		_			_
opposition	6600 Jan 22 15:13	3° <b>Ω</b> 08′56 -13°19′36	conjunction	6606 Jul 28 02:26	9° <b>Ω</b> 17'16 -11°38'04
min. Earth dist.	6600 Jan 22 11:02	3° <b>Ω</b> 09'08 47.98036 AU	minimum elong	6606 Jul 28 02:38	9° <b>Ω</b> 17'17 11°38'06
direct	6600 Apr 14 09:49	2° <b>Ω</b> 10'30	max. Earth dist.	6606 Jul 27 22:28	9° <b>Ω</b> 17'02 49.46340 AU
evening set	6600 Jul 13 08:43	3° <b>Ω</b> 24'37	morning rise	6606 Aug 07 04:46	9° <b>Ω</b> 30'59
			retrograde	6606 Nov 07 14:20	10° <b>Ω</b> 46'15
conjunction	6600 Jul 21 19:02	3° <b>Ω</b> 36′01 -12°42′53	opposition	6607 Jan 29 22:20	9° <b>Ω</b> 46'53 -12°01'13
minimum elong	6600 Jul 21 19:13	3° <b>Ω</b> 36'02 12°42'56	min. Earth dist.	6607 Jan 30 02:06	9° <b>Ω</b> 46'42 47.46113 AU
max. Earth dist.	6600 Jul 22 00:03	3° <b>Ω</b> 36'18 49.90025 AU	direct	6607 Apr 21 13:31	8° <b>Ω</b> 48'05
morning rise	6600 Jul 30 06:22	3° <b>Ω</b> 47'30	evening set	6607 Jul 19 00:43	10° <b>Ω</b> 00'18
retrograde	6600 Nov 01 05:32	5° <b>Ω</b> 04'35	Ü		
opposition	6601 Jan 23 19:29	4°Ω05'26 -13°09'03	conjunction	6607 Jul 29 07:38	10° <b>Ω</b> 14'17 -11°26'32
min. Earth dist.	6601 Jan 23 15:52	4°Ω05'36 47.92086 AU	minimum elong	6607 Jul 29 07:49	10° <b>Ω</b> 14'17 11°26'35
direct	6601 Apr 15 12:31	3°Ω06'59	max. Earth dist.	6607 Jul 29 03:18	10°Ω14'02 49.37454 AU
evening set	6601 Jul 14 07:03	4° <b>Ω</b> 20'49	morning rise	6607 Aug 08 15:55	10°Ω28'20
evening set	0001 Jul 14 07.03	4 0620 49	retrograde	6607 Nov 08 18:12	11° <b>Ω</b> 43'20
	((01 I-1 22 00.05	49 <b>Q</b> 22127 12922127	•		
conjunction	6601 Jul 23 00:05	4° <b>Ω</b> 32'37 -12°32'36	opposition	6608 Jan 31 02:57	10° <b>Ω</b> 43'53 -11°49'08
minimum elong	6601 Jul 23 00:17	4°Ω32'38 12°32'39	min. Earth dist.	6608 Jan 31 08:05	10°Ω43'38 47.36918 AU
max. Earth dist.	6601 Jul 23 02:49	4° <b>Ω</b> 32'46 49.84005 AU	direct	6608 Apr 21 18:19	9° <b>Ω</b> 45'00
morning rise	6601 Jul 31 18:24	4° <b>Ω</b> 44'29	evening set	6608 Jul 19 00:18	10° <b>Ω</b> 57'00
retrograde	6601 Nov 02 14:03	6° <b>Ω</b> 01'15			_
opposition	6602 Jan 24 23:55	5° <b>Ω</b> 02'07 -12°58'16	conjunction	6608 Jul 29 12:58	11° <b>Ω</b> 11'18 -11°14'45
min. Earth dist.	6602 Jan 24 21:31	5° <b>Ω</b> 02'13 47.85698 AU	minimum elong	6608 Jul 29 13:10	11° <b>Ω</b> 11'19 11°14'48
direct	6602 Apr 16 13:01	4° <b>Ω</b> 03'39	max. Earth dist.	6608 Jul 29 07:43	11° <b>Ω</b> 11'00 49.28255 AU
evening set	6602 Jul 15 05:32	5° <b>Ω</b> 17'12	morning rise	6608 Aug 09 03:02	11° <b>Ω</b> 25'41
			retrograde	6608 Nov 08 21:19	12° <b>Ω</b> 40′27
conjunction	6602 Jul 24 05:21	5° <b>Ω</b> 29'23 -12°22'06	opposition	6609 Jan 31 07:23	11° <b>Ω</b> 40'55 -11°36'48
minimum elong	6602 Jul 24 05:32	5° <b>Ω</b> 29'24 12°22'07	min. Earth dist.	6609 Jan 31 12:22	11° <b>Ω</b> 40'41 47.27428 AU
max. Earth dist.	6602 Jul 24 07:18	5° <b>Ω</b> 29'30 49.77494 AU	direct	6609 Apr 22 23:33	10° <b>Ω</b> 41'57
morning rise	6602 Aug 02 06:22	5° <b>Ω</b> 41'38	evening set	6609 Jul 19 23:58	11° <b>Ω</b> 53'45
retrograde	6602 Nov 03 16:57	6° <b>Ω</b> 58'06	Ü		
opposition	6603 Jan 26 04:22	5° <b>Ω</b> 58'57 -12°47'17	conjunction	6609 Jul 30 18:19	12° <b>Ω</b> 08'23 -11°02'45
min. Earth dist.	6603 Jan 26 03:51	5° <b>Ω</b> 58'58 47.78787 AU	minimum elong	6609 Jul 30 18:30	12° <b>Ω</b> 08'23 11°02'47
direct	6603 Apr 17 18:27	5° <b>Ω</b> 00′27	max. Earth dist.	6609 Jul 30 11:35	12° <b>Ω</b> 08'00 49.18759 AU
evening set	6603 Jul 16 04:22	6° <b>Ω</b> 13'44	morning rise	6609 Aug 10 14:17	12° <b>Ω</b> 23'07
evening set	0003 341 10 04.22	0 0013 77	retrograde	6609 Nov 10 02:23	13° <b>Ω</b> 37'38
conjunction	6603 Jul 25 10:38	6° <b>Ω</b> 26'17 -12°11'24	opposition	6610 Feb 01 12:06	12° <b>Ω</b> 38'03 -11°24'14
conjunction minimum elong	6603 Jul 25 10:49	6°Ω26'18 12°11'27	* *	6610 Feb 01 12:00	12° <b>Ω</b> 37'44 47.17658 AU
2			min. Earth dist.		
max. Earth dist.	6603 Jul 25 11:08	6° <b>Ω</b> 26'19 49.70467 AU	direct	6610 Apr 24 05:41	11° <b>Ω</b> 39'00
morning rise	6603 Aug 03 18:07	6° <b>Ω</b> 38'55	evening set	6610 Jul 20 23:46	12° <b>Ω</b> 50'36
retrograde	6603 Nov 04 19:02	7° <b>£</b> 55'04			
opposition	6604 Jan 27 08:50	6°€055'53 -12°36'05	conjunction	6610 Jul 31 23:49	13°Ω05'34 -10°50'30
min. Earth dist.	6604 Jan 27 08:45	6° <b>Ω</b> 55'53 47.71347 AU	minimum elong	6610 Aug 01 00:01	13° <b>Ω</b> 05'35 10°50'32
direct	6604 Apr 18 01:44	5° <b>Ω</b> 57'20	max. Earth dist.	6610 Jul 31 17:14	13° <b>Ω</b> 05'11 49.08995 AU
evening set	6604 Jul 16 03:10	7° <b>Ω</b> 10'21	morning rise	6610 Aug 12 01:13	13° <b>Ω</b> 20'38
			retrograde	6610 Nov 11 08:13	14° <b>Ω</b> 34'57
conjunction	6604 Jul 25 15:47	7° <b>Ω</b> 23'16 -12°00'30	opposition	6611 Feb 02 16:40	13° <b>Ω</b> 35'19 -11°11'24
minimum elong	6604 Jul 25 15:58	7° <b>Ω</b> 23'16 12°00'32	min. Earth dist.	6611 Feb 02 23:30	13° <b>Ω</b> 34'59 47.07610 AU
max. Earth dist.	6604 Jul 25 14:14	7° <b>Ω</b> 23'10 49.62900 AU	direct	6611 Apr 25 10:39	12° <b>Ω</b> 36′12
morning rise	6604 Aug 04 05:47	7° <b>Ω</b> 36'15	evening set	6611 Jul 21 23:51	13° <b>Ω</b> 47'37
retrograde	6604 Nov 05 01:12	8° <b>Ω</b> 52'07			
opposition	6605 Jan 27 13:28	7° <b>Ω</b> 52'53 -12°24'41	conjunction	6611 Aug 02 05:14	14° <b>Ω</b> 02'55 -10°38'01
min. Earth dist.	6605 Jan 27 15:34	7° <b>Ω</b> 52'47 47.63385 AU	minimum elong	6611 Aug 02 05:24	14° <b>Ω</b> 02'56 10°38'03
direct	6605 Apr 19 07:18	6° <b>Ω</b> 54'16	max. Earth dist.	6611 Aug 01 20:43	14° <b>Ω</b> 02'26 48.98961 AU
evening set	6605 Jul 17 02:17	8° <b>Ω</b> 07'00	morning rise	6611 Aug 13 12:16	14° <b>Ω</b> 18'19
8			. 8	6611 Sep 16 08:31	15° <b>Ω</b>
conjunction	6605 Jul 26 21:12	8° <b>Ω</b> 20'16 -11°49'24	retrograde	6611 Nov 12 17:15	15° <b>Ω</b> 32'27
minimum elong	6605 Jul 26 21:23	8°Ω20'16 11°49'27	D.mm	6612 Jan 09 21:44	15°R <b>Ω</b>
max. Earth dist.	6605 Jul 26 19:19	8°Ω20'09 49.54840 AU	opposition	6612 Feb 03 21:26	14°Ω32'46 -10°58'19
morning rise	6605 Aug 05 17:20	8°Ω33'37	min. Earth dist.	6612 Feb 04 05:10	14°Ω32'40 -10 38 19 14°Ω32'24 46.97289 AU
•	-	8 <b>6 6 3</b> 5 3 7 9° <b>Ω</b> 49'11	direct		13° <b>Ω</b> 33'35
retrograde	6605 Nov 06 06:37			6612 Apr 25 11:35	
opposition	6606 Jan 28 17:49	8° <b>Ω</b> 49'53 -12°13'04	evening set	6612 Jul 21 23:56	14° <b>Ω</b> 44'52
min. Earth dist.	6606 Jan 28 20:28	8° <b>Ω</b> 49'45 47.54948 AU		((12 A 02 10 50	150 00000 10005117
direct	6606 Apr 20 11:55	7° <b>Ω</b> 51'11	conjunction	6612 Aug 02 10:50	15° <b>Ω</b> 00'30 -10°25'17
evening set	6606 Jul 18 01:36	9° <b>Ω</b> 03'39	minimum elong	6612 Aug 02 11:02	15° <b>Ω</b> 00'30 10°25'19
			max. Earth dist.	6612 Aug 02 02:03	15° <b>Ω</b> 00'00 48.88616 AU

	6612 Aug 02 02:09	15° <b>Ω</b>	direct	6619 May 02 22:45	20° <b>Ω</b> 22'12
morning rise	6612 Aug 13 23:15	15° <b>Ω</b> 16'13	evening set	6619 Jul 28 08:19	21°Ω32'50
retrograde	6612 Nov 12 22:48	16° <b>Ω</b> 30'11	max. Earth dist.	6619 Aug 09 11:01	21° <b>Ω</b> 49'34 48.03653 AU
opposition	6613 Feb 04 02:18	15°Ω30'28 -10°45'00	max. Earth dist.	0017 Mug 07 11.01	21 6647 54 40.03033 110
min. Earth dist.	6613 Feb 04 11:32	15°Ω30'01 46.86622 AU	conjunction	6619 Aug 10 05:31	21°Ω50'38 -8°50'01
mm. Earm dist.	6613 Mar 04 05:23	15°RΩ	minimum elong	6619 Aug 10 05:41	21°Ω50'39 8°50'02
direct	6613 Apr 26 16:01	14° <b>Ω</b> 31'14	_	6619 Aug 23 04:30	21° <b>θ</b> (30'39 8 30'02 22° <b>Ω</b> 08'32
direct	6613 Jun 18 06:51	14 <b>δι</b> 31 14 15° <b>Ω</b>	morning rise	6619 Nov 20 15:07	23° <b>Ω</b> 21'40
avanina aat	6613 Jul 23 00:34	15° <b>Ω</b> 42'23	retrograde		23° <b>Ω</b> 21'40 22° <b>Ω</b> 21'22 -9°05'20
evening set	0013 Jul 23 00.34	13 8642 23	opposition	6620 Feb 11 14:12	22°Ω20'32 45.99114 AU
	((12 ) 02 1( )0	150 0 50120 10012120	min. Earth dist.	6620 Feb 12 07:48	• • • • • • • • • • • • • • • • • • • •
conjunction	6613 Aug 03 16:40	15° <b>Ω</b> 58'20 -10°12'20	direct	6620 May 03 05:29	21° <b>Ω</b> 21'26
minimum elong	6613 Aug 03 16:50	15° <b>Ω</b> 58'21 10°12'21	evening set	6620 Jul 28 10:08	22° <b>Ω</b> 32′00
max. Earth dist.	6613 Aug 03 06:41	15° <b>Ω</b> 57'46 48.77909 AU			222 0 5 212 5 22 2 2 2 2 2
morning rise	6613 Aug 15 10:19	16° <b>Ω</b> 14'24	conjunction	6620 Aug 10 11:56	22°\O50'05 -8°35'30
retrograde	6613 Nov 14 02:27	17° <b>Ω</b> 28'12	minimum elong	6620 Aug 10 12:06	22°Ω50'06 8°35'31
opposition	6614 Feb 05 07:00	16°Ω28'26 -10°31'27	max. Earth dist.	6620 Aug 09 17:27	22°Ω49'01 47.89844 AU
min. Earth dist.	6614 Feb 05 16:38	$16^{\circ}\Omega$ 27'59 46.75555 AU	morning rise	6620 Aug 23 15:17	23° <b>Ω</b> 08′18
direct	6614 Apr 27 22:16	15° <b>Ω</b> 29'08	retrograde	6620 Nov 20 21:07	24° <b>Ω</b> 21'21
evening set	6614 Jul 24 01:25	16° <b>Ω</b> 40'12	opposition	6621 Feb 11 19:37	23° <b>Ω</b> 20'57 -8°50'08
			min. Earth dist.	6621 Feb 12 13:18	23° <b>Ω</b> 20'06 45.85016 AU
conjunction	6614 Aug 04 22:36	16° <b>Ω</b> 56′28 -9°59′09	direct	6621 May 04 11:54	22° <b>Ω</b> 20'53
minimum elong	6614 Aug 04 22:48	16° <b>Ω</b> 56'29 9°59'12	evening set	6621 Jul 29 12:27	23° <b>Ω</b> 31'25
max. Earth dist.	6614 Aug 04 10:34	16° <b>Ω</b> 55'47 48.66744 AU			
morning rise	6614 Aug 16 21:32	17° <b>Ω</b> 12'50	conjunction	6621 Aug 11 18:27	23° <b>Ω</b> 49'48 -8°20'44
retrograde	6614 Nov 15 08:24	18° <b>Ω</b> 26'32	minimum elong	6621 Aug 11 18:37	23° <b>Ω</b> 49'49 8°20'46
opposition	6615 Feb 06 12:07	17° <b>Ω</b> 26'42 -10°17'40	max. Earth dist.	6621 Aug 10 21:58	23° <b>Ω</b> 48'36 47.75742 AU
min. Earth dist.	6615 Feb 06 23:59	17° <b>Ω</b> 26'08 46.64009 AU	morning rise	6621 Aug 25 02:18	24° <b>Ω</b> 08'18
direct	6615 Apr 29 04:04	16° <b>Ω</b> 27'20	retrograde	6621 Nov 22 07:38	25° <b>Ω</b> 21'18
evening set	6615 Jul 25 02:17	17° <b>Ω</b> 38'17	opposition	6622 Feb 13 01:04	24° <b>Ω</b> 20'47 -8°34'41
			min. Earth dist.	6622 Feb 13 19:48	24° <b>Ω</b> 19'53 45.70650 AU
conjunction	6615 Aug 06 04:36	17° <b>Ω</b> 54'52 -9°45'46	direct	6622 May 05 13:15	23° <b>Ω</b> 20'36
minimum elong	6615 Aug 06 04:47	17° <b>Ω</b> 54'53 9°45'47	evening set	6622 Jul 30 14:48	24° <b>Ω</b> 31'08
max. Earth dist.	6615 Aug 05 16:10	17° <b>Ω</b> 54'09 48.55086 AU	max. Earth dist.	6622 Aug 12 04:30	24° <b>Ω</b> 48'36 47.61369 AU
morning rise	6615 Aug 18 08:24	18° <b>Ω</b> 11'33			
retrograde	6615 Nov 16 14:41	19°Ω25'07	conjunction	6622 Aug 13 01:11	24° <b>Ω</b> 49'48 -8°05'44
opposition	6616 Feb 07 17:14	18° <b>Ω</b> 25'14 -10°03'40	minimum elong	6622 Aug 13 01:20	24°Ω49'49 8°05'46
min. Earth dist.	6616 Feb 08 05:36	18°Ω24'38 46.51943 AU	morning rise	6622 Aug 26 13:11	25° <b>Ω</b> 08'35
direct	6616 Apr 29 09:09	17° <b>Ω</b> 25'46	retrograde	6622 Nov 23 15:35	26°Ω21'33
evening set	6616 Jul 25 03:36	18°Ω36'37	opposition	6623 Feb 14 06:50	25°Ω20'57 -8°18'58
evening set	0010 Jul 25 05.50	10 065057	min. Earth dist.	6623 Feb 15 02:38	25°Ω19'59 45.56014 AU
conjunction	6616 Aug 06 10:42	18° <b>Ω</b> 53'30 -9°32'09	direct	6623 May 06 17:19	24°Ω20'38
minimum elong	6616 Aug 06 10:53	18° <b>Ω</b> 53'31 9°32'12	evening set	6623 Jul 31 17:20	25° <b>Ω</b> 31'11
max. Earth dist.	6616 Aug 05 19:50	18° Ω52'39 48.42913 AU	max. Earth dist.	6623 Aug 13 10:12	25° <b>Ω</b> 48'52 47.46744 AU
morning rise	6616 Aug 18 19:36	$19^{\circ}\Omega 10'30$	max. Earth tist.	0023 Aug 13 10.12	23 <b>6(</b> 46 32 47.40744 AU
•	6616 Nov 16 23:30	20°Ω23'57	conjunction	6623 Aug 14 07:47	25° <b>Ω</b> 50'08 -7°50'28
retrograde opposition	6617 Feb 07 22:21	19° <b>Ω</b> 23'58 -9°49'26	minimum elong	Č	25° <b>Ω</b> 50'09 7°50'31
min. Earth dist.	6617 Feb 07 22:21 6617 Feb 08 12:18	19° <b>Ω</b> 23'18 46.39381 AU	Č	6623 Aug 14 07:57	26° <b>Ω</b> 09'13
		$18^{\circ}\Omega 24'23$	morning rise	6623 Aug 27 23:57 6623 Nov 24 20:48	20° <b>Ω</b> 22'09
direct	6617 Apr 30 11:36 6617 Jul 26 04:58		retrograde		26° <b>Ω</b> 21'27 -8°02'59
evening set	001/Jul 20 04:38	19° <b>Ω</b> 35'09	opposition	6624 Feb 15 12:37	
	6617 4 07 17 01	100 0 50101 0010100	min. Earth dist.	6624 Feb 16 08:28	26° <b>Ω</b> 20'30 45.41115 AU
conjunction	6617 Aug 07 17:01	19° <b>£</b> 52′21 -9°18′20	direct	6624 May 06 23:58	25° <b>Ω</b> 21'01
minimum elong	6617 Aug 07 17:11	19° <b>Ω</b> 52'22 9°18'22	evening set	6624 Jul 31 20:17	26° <b>€</b> 31'36
max. Earth dist.	6617 Aug 07 01:21	19°Ω51'27 48.30245 AU			
morning rise	6617 Aug 20 06:39	20° <b>Ω</b> 09'40	conjunction	6624 Aug 14 14:44	26° <b>Ω</b> 50'51 -7°34'58
retrograde	6617 Nov 18 05:08	21° <b>Ω</b> 22'59	minimum elong	6624 Aug 14 14:53	26° <b>Ω</b> 50′51 7°35′00
opposition	6618 Feb 09 03:37	20° <b>Ω</b> 22'54 -9°34'59	max. Earth dist.	6624 Aug 13 15:31	26° <b>Ω</b> 49'29 47.31816 AU
min. Earth dist.	6618 Feb 09 19:06	20° <b>Ω</b> 22'10 46.26343 AU	morning rise	6624 Aug 28 11:00	27° <b>Ω</b> 10'13
direct	6618 May 01 16:49	19° <b>Ω</b> 23'12	retrograde	6624 Nov 25 02:02	28° <b>Ω</b> 23'10
evening set	6618 Jul 27 06:34	20° <b>Ω</b> 33'54	opposition	6625 Feb 15 18:33	27° <b>Ω</b> 22'22 -7°46'44
			min. Earth dist.	6625 Feb 16 16:23	27° <b>Ω</b> 21'18 45.25897 AU
conjunction	6618 Aug 08 23:13	20° <b>Ω</b> 51'24 -9°04'17	direct	6625 May 08 07:38	26° <b>Ω</b> 21'49
minimum elong	6618 Aug 08 23:24	20° <b>Ω</b> 51'25 9°04'19	evening set	6625 Aug 01 23:31	27° <b>Ω</b> 32′27
max. Earth dist.	6618 Aug 08 06:20	20° <b>Ω</b> 50′25 48.17143 AU			
morning rise	6618 Aug 21 17:33	21° <b>Ω</b> 09′00	conjunction	6625 Aug 15 22:01	27° <b>Ω</b> 51'59 -7°19'14
retrograde	6618 Nov 19 09:48	22° <b>Ω</b> 22′13	minimum elong	6625 Aug 15 22:10	27° <b>Ω</b> 51'59 7°19'16
opposition	6619 Feb 10 08:46	21° <b>Ω</b> 22'02 -9°20'17	max. Earth dist.	6625 Aug 14 22:37	27° <b>Ω</b> 50'36 47.16543 AU
min. Earth dist.	6619 Feb 11 00:27	21° <b>Ω</b> 21'17 46.12903 AU	morning rise	6625 Aug 29 22:02	28° <b>Ω</b> 11'37
iiiii. Lartii dist.					

	((25 N 2( 09-22	209 (024)26	i. Eth di-t	((22 E-L 24 21.57	40 m. 27120	44.0C020 ATT
retrograde	6625 Nov 26 08:23	29° <b>£</b> 24'36	min. Earth dist.	6632 Feb 24 21:57		44.06828 AU
opposition	6626 Feb 17 00:34	28° <b>Ω</b> 23'42 -7°30'		6632 May 15 02:59	3° Mp 37'21	
min. Earth dist.	6626 Feb 17 22:47	28°Ω22'37 45.102	Č	6632 Aug 08 06:26	4° <b>™</b> 48'35	
direct	6626 May 09 14:46	27° <b>Ω</b> 23′02	max. Earth dist.	6632 Aug 21 19:57	5° Mg 08′00	45.96776 AU
evening set	6626 Aug 03 03:11	28° <b>Ω</b> 33'43				
max. Earth dist.	6626 Aug 16 03:28	28° <b>\Omega</b> 52'00 47.008	334 AU conjunction	6632 Aug 23 04:48	5° Mp 09′58 ⋅	-5°22'27
			minimum elong	6632 Aug 23 04:56	5° <b>™</b> 09'59	5°22'28
conjunction	6626 Aug 17 05:16	28°Ω53'31 -7°03'	15 morning rise	6632 Sep 07 04:35	5° Mp 31′28	
minimum elong	6626 Aug 17 05:25	28°Ω53'32 7°03'	-	6632 Dec 03 18:44	6° Mp 44'51	
morning rise	6626 Aug 31 09:12	29° <b>Ω</b> 13'26	opposition	6633 Feb 23 23:07	5° m 42'50	-5°27'50
morning rise	6626 Oct 08 09:23	0° m	min. Earth dist.	6633 Feb 25 05:52		43.88253 AU
, 1		•				43.86233 AU
retrograde	6626 Nov 27 18:13	0° m/26'27	direct	6633 May 16 08:47	4° m/40'52	
	6627 Jan 17 19:14	30°R <b>Ω</b>	evening set	6633 Aug 09 12:04	5° Mp 52'16	
opposition	6627 Feb 18 06:50	29° <b>Ω</b> 25'27 -7°13'3	max. Earth dist.	6633 Aug 23 03:09	6° Mp 11′50	45.78181 AU
min. Earth dist.	6627 Feb 19 06:46	29° <b>Ω</b> 24'17 44.942	221 AU			
direct	6627 May 10 18:35	28° <b>Ω</b> 24'38	conjunction	6633 Aug 24 13:16	6°Mp13'54 ⋅	-5°04'47
evening set	6627 Aug 04 07:00	29° <b>Ω</b> 35′23	minimum elong	6633 Aug 24 13:22	6° Mp 13′54	5°04'48
max. Earth dist.	6627 Aug 17 10:16	29° <b>Ω</b> 53'53 46.846	_	6633 Sep 08 16:00	6° ₩ 35'39	
	0027 100	_, 000000	retrograde	6633 Dec 05 04:12	7° <b>m</b> 49'09	
conjunction	6627 Aug 18 12:53	29°Ω55'28 -6°47'0	_	6634 Feb 25 06:19	6° Mp 46'58	5°00'18
·	6627 Aug 18 12:33	$29^{\circ} \Omega 55'28 = 6^{\circ} 47'0$	Tr			43.69439 AU
minimum elong	- C			6634 Feb 26 13:18	~	43.09439 AU
	6627 Aug 21 17:36	0° <b>m</b>	direct	6634 May 17 15:01	5° <b>m</b> 44'48	
morning rise	6627 Sep 01 20:20	0° <b>™</b> 15'39	evening set	6634 Aug 10 17:54	6° Mp 56′24	
retrograde	6627 Nov 29 03:04	1° <b>m</b> ) 28'42	max. Earth dist.	6634 Aug 24 10:25	7° Mp 16′08 ⋅	45.59337 AU
opposition	6628 Feb 19 13:17	0° My 27'33 -6°56'3	32			
min. Earth dist.	6628 Feb 20 14:40	0° Mp 26'19 44.776	647 AU conjunction	6634 Aug 25 21:49	7° <b>m</b> ∤18'17 -	-4°46'52
	6628 Mar 14 21:22	30° <b>₽</b> Ω	minimum elong	6634 Aug 25 21:56	7° <b>m</b> )18'17	4°46'53
direct	6628 May 10 23:41	29° <b>Ω</b> 26'35	morning rise	6634 Sep 10 03:14	7° <b>™</b> 40'16	
	6628 Jul 06 01:25	0° m)	retrograde	6634 Dec 06 11:30	8° m 53'57	
avaning sat	6628 Aug 04 11:09	0° mp 37'24	opposition	6635 Feb 26 13:50	7° <b>m</b> 51'35 ·	4°50'20
evening set	0028 Aug 04 11.09	U 111/3/24	**			
		003 55145 60201	min. Earth dist.	6635 Feb 27 22:22		43.50396 AU
conjunction	6628 Aug 18 20:32	0° m 57'45 -6°30'3		6635 May 18 23:54	6° Mp 49′14	
minimum elong	6628 Aug 18 20:41	0° To 57'46 6°30'3	evening set	6635 Aug 12 00:03	8° <b>m</b> 01'03	
max. Earth dist.	6628 Aug 17 16:17	0° Mp 56'04 46.679	940 AU max. Earth dist.	6635 Aug 25 19:22	8° Mp 21'02	45.40286 AU
morning rise	6628 Sep 02 07:36	1° <b>m</b> ) 18'13				
retrograde	6628 Nov 29 11:58	2° Mp 31'17	conjunction	6635 Aug 27 06:41	8° Mp 23'11 -	-4°28'41
opposition	6629 Feb 19 19:47	1° m 29'59 -6°39'	•	6635 Aug 27 06:47	8° m 23'12	
min. Earth dist.	6629 Feb 20 21:45	1° m) 28'43 44.605		6635 Sep 11 14:37	8° m 45'25	
direct	6629 May 12 05:33	0° m 28'49	•	6635 Dec 07 18:32	9° <b>m</b> 59'17	
	•	•	retrograde			4021124
evening set	6629 Aug 05 15:41	1° <b>m</b> 39'44	opposition	6636 Feb 27 21:23	8° Mp 56'47	
max. Earth dist.	6629 Aug 18 22:16	1° T 58'33 46.507		6636 Feb 29 05:43	-	43.31139 AU
			direct	6636 May 19 08:57	7° <b>™</b> 54'15	
conjunction	6629 Aug 20 04:28	2° Mp 00'21 -6°13':	55 evening set	6636 Aug 12 06:41	9° <b>™</b> 06'18	
minimum elong	6629 Aug 20 04:36	2° Mp 00'21 6°13':	57 max. Earth dist.	6636 Aug 26 02:21	9° <b>№</b> 26′24	45.21000 AU
morning rise	6629 Sep 03 18:57	2° <b>m</b> 21'04				
retrograde	6629 Nov 30 18:14	3° <b>m</b> 34'12	conjunction	6636 Aug 27 15:40	9° <b>m</b> )28'41 ⋅	-4°10'16
opposition	6630 Feb 21 02:24	2° m/32'43 -6°21':	·	6636 Aug 27 15:46	9° <b>m</b> 28'41	4°10'17
min. Earth dist.	6630 Feb 22 06:39	2° m/31'20 44.430	_	6636 Sep 12 02:12	9° <b>m</b> 51'10	
direct	6630 May 13 13:15	1° m/31'22	retrograde	6636 Dec 08 05:23	11° <b>m</b> 05'16	
	•	-	•		-	4912102
evening set	6630 Aug 06 20:20	2° Mp 42'22	opposition	6637 Feb 28 05:16	10° Mp 02'36	
max. Earth dist.	6630 Aug 20 05:59	3° m 01'24 46.331		6637 Mar 01 15:15		43.11634 AU
			direct	6637 May 20 14:36	8° <b>m</b> 59'54	
conjunction	6630 Aug 21 12:32	3° Mp 03'14 -5°57'0	00 evening set	6637 Aug 13 13:43	10° Mp 12'14	
minimum elong	6630 Aug 21 12:40	3° Mg 03'15 5°57'0	01 max. Earth dist.	6637 Aug 27 11:34	10° m/32'32	45.01420 AU
morning rise	6630 Sep 05 06:09	3° <b>m</b> 24'13				
retrograde	6630 Dec 01 23:36	4° m/37'24	conjunction	6637 Aug 29 01:10	10° Mp 34'51 ⋅	-3°51'34
opposition	6631 Feb 22 09:08	3° m 35'45 -6°04'0	·	6637 Aug 29 01:16	10° <b>m</b> ) 34'51	
min. Earth dist.	6631 Feb 23 13:32	3° m/ 34'21 44.251	=	6637 Sep 13 13:48	10° my 57'34	
		•	•	6637 Dec 09 16:07		
direct	6631 May 14 22:10	2° Mp 34'12	retrograde		12° Mp 11'54	2052125
evening set	6631 Aug 08 01:14	3° m 45'18	opposition	6638 Mar 01 13:14	11° Mp 09'06	
max. Earth dist.	6631 Aug 21 11:43	4° Mp 04'28 46.151		6638 Mar 03 00:10		42.91803 AU
			direct	6638 May 21 21:04	10° Mp 06'12	
conjunction	6631 Aug 22 20:25	4°Mp06'26 -5°39'	51 evening set	6638 Aug 14 21:18	11°Mp18'50	
minimum elong	6631 Aug 22 20:33	4° Mp 06'26 5°39'3	53 max. Earth dist.	6638 Aug 28 19:30	11°Mp39'16	44.81491 AU
morning rise	6631 Sep 06 17:22	4° m/27'40				
retrograde	6631 Dec 03 09:39	5° m/40'57	conjunction	6638 Aug 30 10:47	11° <b>m</b> )41'41	-3°32'38
opposition	6632 Feb 23 16:07	4° mp 39'07 -5°46'0		6638 Aug 30 10:53	11° Mp 41'42	
5pp controll	3032100 23 10.07	, 3707 3 400	minimum ciolig	0000.146 00 10.00	ng 11 72	- 0-0/

morning rise	6638 Sep 15 01:38	12° <b>m</b> 04'38	conjunction	6645 Sep 07 13:18	19° mp 46'33 -1°13'10
•	•	•	3	•	•
retrograde	6638 Dec 11 05:23	13° <b>m</b> 19'14	minimum elong	6645 Sep 07 13:20	19° Mp 46'33 1°13'09
opposition	6639 Mar 02 21:32	12° Mp 16'15 -3°32'31	morning rise	6645 Sep 23 14:08	20° Mp 10'57
min. Earth dist.	6639 Mar 04 09:12	12° Mp 14'27 42.71599 AU	retrograde	6645 Dec 19 08:00	21° <b>m</b> )27'44
direct	6639 May 23 02:43	11° <b>m</b> 13'10	opposition	6646 Mar 10 14:04	20° To 23'06 -1°05'43
evening set	6639 Aug 16 05:06	12° Mp 26'07	min. Earth dist.	6646 Mar 12 08:34	20° Mp 20'53 41.19690 AU
max. Earth dist.	6639 Aug 30 03:47	12° Mp 46'40 44.61136 AU	direct	6646 May 30 19:34	19° <b>m</b> 18'07
	Č	•	evening set	6646 Aug 24 00:15	20° m/33'41
conjunction	6639 Aug 31 20:37	12° m/49'12 -3°13'27	max. Earth dist.	6646 Sep 07 00:04	20° m 55'03 43.08512 AU
minimum elong	6639 Aug 31 20:42	12° mp 49'12 3°13'28	max. Darm dist.	оо ю вер от ос.от	20 10 22 03 12.00312110
· ·		•	. ,.	((4( 0 00 00 57	200 m. 50112 0052114
morning rise	6639 Sep 16 13:23	13° M 12'23	conjunction	6646 Sep 09 00:57	20° m 58'12 -0°52'14
retrograde	6639 Dec 12 15:50	14° <b>m</b> 27'15	minimum elong	6646 Sep 09 00:59	20° Mp 58'12 0°52'15
opposition	6640 Mar 03 06:14	13°m/24'04 -3°12'21	morning rise	6646 Sep 25 02:33	21° Mp 22'47
min. Earth dist.	6640 Mar 04 19:59	13° Mp 22'09 42.50958 AU	retrograde	6646 Dec 20 19:00	22° Mp 40'00
direct	6640 May 23 11:01	12° <b>m</b> 20'45	opposition	6647 Mar 12 00:27	21° m/35'06 -0°43'40
evening set	6640 Aug 16 13:26	13° <b>m</b> 34'01	min. Earth dist.	6647 Mar 13 20:30	21° m 32'47 40.97053 AU
max. Earth dist.	6640 Aug 30 13:20	13° m 54'44 44.40351 AU	direct	6647 Jun 01 05:32	20° m/29'51
max. Darm dist.	00 10 11ug 30 13.20	13 10351110	evening set	6647 Aug 25 11:28	21° m/ 45'54
	((40 C 01 06 52	120m-57l20 2054l02	Č	•	•
conjunction	6640 Sep 01 06:53	13° m 57'20 -2°54'02	max. Earth dist.	6647 Sep 08 12:20	22° Mp 07'27 42.85825 AU
minimum elong	6640 Sep 01 06:58	13° <b>m</b> 57'20 2°54'03			
morning rise	6640 Sep 17 01:25	14° <b>m</b> 20'44	conjunction	6647 Sep 10 12:55	22° Mg 10'35 -0°31'05
retrograde	6640 Dec 12 23:02	15° m 35'52	minimum elong	6647 Sep 10 12:56	22° m/ 10'35 0°31'05
opposition	6641 Mar 04 14:52	14° m 32'29 -2°51'55	morning rise	6647 Sep 26 14:52	22° m/ 35'21
min. Earth dist.	6641 Mar 06 04:54	14° Mg 30'32 42.29887 AU	retrograde	6647 Dec 22 05:01	23° m 53'01
direct	6641 May 24 22:32	13°m/28'55	opposition	6648 Mar 12 11:03	22° m/47'53 -0°21'21
	•	•	min. Earth dist.	6648 Mar 14 07:06	22° Mp 45'33 40.74278 AU
evening set	6641 Aug 17 22:18	14° Mp 42'31			•
max. Earth dist.	6641 Aug 31 21:16	15° Mp 03'17 44.19136 AU	direct	6648 Jun 01 16:45	21° m/42'21
			evening set	6648 Aug 25 23:36	22° <b>m</b> 58'56
conjunction	6641 Sep 02 17:18	15° Mg 06'02 -2°34'21	max. Earth dist.	6648 Sep 08 23:01	23° Mp 20'31 42.62996 AU
minimum elong	6641 Sep 02 17:22	15° Mp 06'03 2°34'22			
morning rise	6641 Sep 18 13:35	15° Mp 29'40	conjunction	6648 Sep 11 01:16	23° Mp 23'48 -0°09'41
retrograde	6641 Dec 14 08:46	16° Mp 45'05	minimum elong	6648 Sep 11 01:16	23° Tp 23'48 0°09'42
opposition	6642 Mar 05 23:56	15° m 41'28 -2°31'13	behind sun begin	6648 Sep 10 19:58	23° m 23'28
min. Earth dist.	6642 Mar 07 15:53	15° mp 39'25 42.08422 AU	behind sun end	6648 Sep 11 06:35	23° m) 24'07
		•			•
direct	6642 May 26 07:21	14° m 37'39	morning rise	6648 Sep 27 03:41	23° <b>m</b> 48'43
evening set	6642 Aug 19 07:16	15° <b>m</b> 51'34	retrograde	6648 Dec 22 19:56	25° Mp 06'53
max. Earth dist.	6642 Sep 02 07:46	16° Mp 12'32 43.97538 AU	asc. node	6649 Feb 21 19:52	24° Mp 26'26
			opposition	6649 Mar 13 21:50	24° Mp 01'31 0°01'15
conjunction	6642 Sep 04 03:56	16° Mp 15'19 -2°14'26	min. Earth dist.	6649 Mar 15 18:48	23° m 59'08 40.51357 AU
minimum elong	6642 Sep 04 03:59	16° Mp 15'19 2°14'27	direct	6649 Jun 03 00:10	22° m 55'43
morning rise	6642 Sep 20 01:28	16° Mp 39'08	evening set	6649 Aug 27 12:16	24° m 12'53
retrograde	6642 Dec 15 18:50	17° m 54'53	max. Earth dist.	6649 Sep 10 11:18	24° m 34'34 42.39965 AU
opposition	6643 Mar 07 09:08	16° Mp 51'01 -2°10'15	max. Lartii dist.	0047 Бер 10 11.10	24 11/3434 42.37703710
		•	. ,.	((40 C 12 14 10	2.40 m- 2.715.4 001.210.2
min. Earth dist.	6643 Mar 09 01:42	16° m 48'55 41.86602 AU	conjunction	6649 Sep 12 14:10	24° m/ 37'54 0°12'03
direct	6643 May 27 15:46	15° <b>m</b> 46'55	minimum elong	6649 Sep 12 14:10	24° m/37′54 0°12′03
evening set	6643 Aug 20 16:50	17° <b>m</b> 01'12	behind sun begin	6649 Sep 12 09:48	24° Mp 37'38
max. Earth dist.	6643 Sep 03 16:51	17° Mp 22'14 43.75629 AU	behind sun end	6649 Sep 12 18:31	24° <b>m</b> 38'10
			morning rise	6649 Sep 28 16:29	25° Mp 02'59
conjunction	6643 Sep 05 14:43	17° Mp 25'08 -1°54'16	retrograde	6649 Dec 24 10:00	26° Mp 21'41
minimum elong	6643 Sep 05 14:46	17° mg 25'08 1°54'15	opposition	6650 Mar 15 09:09	25° mg 16'05 0°24'06
morning rise	6643 Sep 21 13:40	17° <b>m</b> 49'10	min. Earth dist.	6650 Mar 17 07:32	25° m/13'37 40.28209 AU
	6643 Dec 17 08:11	19° <b>m</b> 05'14	direct	6650 Jun 04 09:17	24° m/10'01
retrograde					· · · · · · · · · · · · · · · · · · ·
opposition	6644 Mar 07 18:30	18° Mp 01'07 -1°49'01	evening set	6650 Aug 29 01:29	25° <b>m</b> 27'47
min. Earth dist.	6644 Mar 09 11:50	17° Mp 58'59 41.64516 AU	max. Earth dist.	6650 Sep 11 23:30	25° Mp 49'33 42.16684 AU
direct	6644 May 27 22:34	16° Mp 56'43			
evening set	6644 Aug 21 02:46	18° Mp 11'24	conjunction	6650 Sep 14 03:14	25° m 52'58 0°33'55
max. Earth dist.	6644 Sep 04 03:00	18° m/32'34 43.53449 AU	minimum elong	6650 Sep 14 03:13	25° m 52'58 0°33'55
			morning rise	6650 Sep 30 05:25	26° m/18'12
conjunction	6644 Sep 06 01:52	18° m/35'32 -1°33'50	retrograde	6650 Dec 26 00:38	27° m/ 37′28
minimum elong	6644 Sep 06 01:54	18° mp 35'32 1°33'51	opposition	6651 Mar 16 20:43	26° Mp 31'37 0°47'12
_	*	·	* *		•
morning rise	6644 Sep 22 01:50	18° <b>m</b> 59'45	min. Earth dist.	6651 Mar 18 19:21	26° Mp 29'07 40.04786 AU
retrograde	6644 Dec 17 20:22	20° Mp 16'10	direct	6651 Jun 05 21:19	25° m 25'16
opposition	6645 Mar 09 04:16	19° Mp 11'48 -1°27'30	evening set	6651 Aug 30 15:28	26° Mp 43'41
min. Earth dist.	6645 Mar 10 23:01	19° Mp 09'34 41.42190 AU	max. Earth dist.	6651 Sep 13 10:58	27° Mp 05'26 41.93075 AU
direct	6645 May 29 08:20	18° Mp 07'07			
evening set	6645 Aug 22 13:13	19° <b>m</b> 22'13	conjunction	6651 Sep 15 16:50	27° Mp 09'00 0°56'02
max. Earth dist.		19° to 22'13 19° to 43'32 43.31066 AU	conjunction minimum elong	6651 Sep 15 16:50 6651 Sep 15 16:48	27° m 09'00 0°56'02 27° m 09'00 0°56'01

morning rise	6651 Oct 01 18:37	27° m 34'23		opposition	6658 Mar 25 16:26	5° <b>£</b> 47'21	3°35'47
retrograde	6651 Dec 27 14:33	28° Mp 54'14		min. Earth dist.	6658 Mar 27 21:33		38.32733 AU
opposition	6652 Mar 17 08:46		1°10'34	direct	6658 Jun 14 14:45	4° <b>£</b> 38'33	30.32733710
min. Earth dist.	6652 Mar 19 09:29		39.81029 AU	evening set	6658 Sep 09 11:02	6° <b>£</b> 02′20	
direct	6652 Jun 06 09:40	26° Mp 41'28	37.01027110	max. Earth dist.	6658 Sep 22 13:50		40.19884 AU
evening set	6652 Aug 31 05:59	28° Mp 00'32		max. Earth dist.	0030 БСР 22 13.30	0 -2:02	10.17001710
max. Earth dist.	6652 Sep 14 00:49		41.69121 AU	conjunction	6658 Sep 25 02:55	6° <b>£</b> 28'18	3°36'54
man. Barur dibu	000 <b>2</b> 5 <b>0</b> p 11 00.15	20 .42220		minimum elong	6658 Sep 25 02:48	6° <b>£</b> 28'18	3°36'55
conjunction	6652 Sep 16 06:57	28° m 26'00	1°18'22	morning rise	6658 Oct 10 18:38	6° <b>£</b> 54'17	
minimum elong	6652 Sep 16 06:55		1°18'23	retrograde	6659 Jan 06 02:57	8° <b>£</b> 19'07	
morning rise	6652 Oct 02 08:00	28° m 51'30		opposition	6659 Mar 27 07:15	7° <b>♀</b> 10'49	4°00'45
. 8	6652 Nov 26 22:42	$0 \circ \overline{\mathbf{v}}$		min. Earth dist.	6659 Mar 29 13:36		38.07559 AU
retrograde	6652 Dec 28 03:04	0° <b>ჲ</b> 11'58		direct	6659 Jun 16 04:32	6° <b>₽</b> 01'39	
Ü	6653 Jan 28 14:47	30°R ₪		evening set	6659 Sep 11 06:18	7° <b>£</b> 26'22	
opposition	6653 Mar 18 21:07	29° m 05'35	1°34'10	max. Earth dist.	6659 Sep 24 07:11	7° <b>£</b> 48'06	39.94598 AU
min. Earth dist.	6653 Mar 20 22:06		39.56922 AU				
direct	6653 Jun 07 23:06	27° m 58'36		conjunction	6659 Sep 26 19:50	7° <b>≙</b> 52'22	4°00'38
evening set	6653 Sep 01 21:19	29° m 18'22		minimum elong	6659 Sep 26 19:43	7° <b>≏</b> 52'22	4°00'38
max. Earth dist.	6653 Sep 15 12:50		41.44820 AU	morning rise	6659 Oct 12 08:47	8° <b>≏</b> 18'23	
				retrograde	6660 Jan 07 18:41	9° <b>£</b> 44'06	
conjunction	6653 Sep 17 21:18	29° <b>m</b> 43'57	1°40'56	opposition	6660 Mar 27 22:23	8° <b>≏</b> 35'28	4°25'54
minimum elong	6653 Sep 17 21:15	-	1°40'56	min. Earth dist.	6660 Mar 30 04:47	8° <b>≏</b> 32'24	37.82365 AU
	6653 Sep 27 20:48	$0 \circ \overline{\mathbf{v}}$		direct	6660 Jun 16 18:59	7° <b>£</b> 25'57	
morning rise	6653 Oct 03 21:36	0° <b>ჲ</b> 09'34		evening set	6660 Sep 12 02:34	8° <b>£</b> 51'39	
retrograde	6653 Dec 29 18:16	1° <b>≏</b> 30'40		max. Earth dist.	6660 Sep 24 23:12		39.69298 AU
opposition	6654 Mar 20 09:48	0° <b>ჲ</b> 24'00	1°58'02		1		
min. Earth dist.	6654 Mar 22 12:24		39.32504 AU	conjunction	6660 Sep 27 13:09	9° <b>≙</b> 17'40	4°24'32
	6654 Apr 08 03:56	30°R M⊅		minimum elong	6660 Sep 27 13:01	9° <b>≙</b> 17'39	4°24'34
direct	6654 Jun 09 09:38	29° m 16'40		morning rise	6660 Oct 12 23:22	9° <b>≙</b> 43'41	
	6654 Aug 09 03:51	0∘ <u>⊽</u>		retrograde	6661 Jan 08 13:56	11° <b>≙</b> 10′20	
evening set	6654 Sep 03 13:05	0° <b>₽</b> 37'09		opposition	6661 Mar 29 14:02	10° <b>≙</b> 01'24	4°51'13
max. Earth dist.	6654 Sep 17 03:10		41.20209 AU	min. Earth dist.	6661 Mar 31 21:00		37.57157 AU
	<b>1</b>			direct	6661 Jun 18 07:33	8° <b>≙</b> 51'31	
conjunction	6654 Sep 19 12:09	1° <b>♀</b> 02'50	2°03'44	evening set	6661 Sep 13 23:40	10° <b>≏</b> 18'16	
minimum elong	6654 Sep 19 12:06		2°03'45	max. Earth dist.	6661 Sep 26 16:32		39.43932 AU
morning rise	6654 Oct 05 11:07	1° <b>£</b> 28'34					
retrograde	6654 Dec 31 09:23	2° <b>₽</b> 50′20		conjunction	6661 Sep 29 07:09	10° <b>≏</b> 44'16	4°48'35
opposition	6655 Mar 21 22:57		2°22'08	minimum elong	6661 Sep 29 07:00	10° <b>≏</b> 44'16	4°48'35
min. Earth dist.	6655 Mar 24 02:29		39.07811 AU	morning rise	6661 Oct 14 13:57	11° <b>≏</b> 10'16	
direct	6655 Jun 10 21:12	0° <b>£</b> 35'41		retrograde	6662 Jan 10 09:40	12° <b>≙</b> 37'56	
evening set	6655 Sep 05 05:27	1° <b>£</b> 56'55		opposition	6662 Mar 31 06:14	11° <b>≏</b> 28'40	5°16'43
max. Earth dist.	6655 Sep 18 17:01		40.95362 AU	min. Earth dist.	6662 Apr 02 14:31		37.31872 AU
				direct	6662 Jun 19 21:47	10° <b>£</b> 18′25	
conjunction	6655 Sep 21 03:07	2° <b>£</b> 22'41	2°26'44	evening set	6662 Sep 15 21:42	11° <b>≏</b> 46'17	
minimum elong	6655 Sep 21 03:02		2°26'44	max. Earth dist.	6662 Sep 28 10:34		39.18474 AU
morning rise	6655 Oct 07 00:49	2° <b>£</b> 48'30					
retrograde	6656 Jan 02 03:38	4° <b>£</b> 10'59		conjunction	6662 Oct 01 01:37	12° <b>♀</b> 12'15	5°12'45
opposition	6656 Mar 22 12:22	3° <b>ഫ</b> 03'40	2°46'27	minimum elong	6662 Oct 01 01:28	12° <b>≙</b> 12'15	
min. Earth dist.	6656 Mar 24 16:10		38.82918 AU	morning rise	6662 Oct 16 04:51	12° <b>≏</b> 38'13	
direct	6656 Jun 11 08:46	1° <b>£</b> 55'37		retrograde	6663 Jan 12 06:52	14° <b>≏</b> 06'55	
evening set	6656 Sep 05 22:39	3° <b>≗</b> 17'40		opposition	6663 Apr 01 22:53	12° <b>£</b> 57'19	5°42'21
max. Earth dist.	6656 Sep 19 07:18	3° <b>£</b> 39'27	40.70311 AU	min. Earth dist.	6663 Apr 04 07:04		37.06477 AU
	осто отр			direct	6663 Jun 21 13:56	11° <b>≏</b> 46'41	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
conjunction	6656 Sep 21 18:43	3° <b>£</b> 43'32	2°49'56	evening set	6663 Sep 17 20:38	13° <b>≏</b> 15'43	
minimum elong	6656 Sep 21 18:38		2°49'57	max. Earth dist.	6663 Sep 30 03:44		38.92849 AU
morning rise	6656 Oct 07 14:41	4° <b>£</b> 09'25	2 1737	max. Earth dist.	оооз вер зо оз. 11	15 = 50 55	30.92019110
retrograde	6657 Jan 02 19:41	5° <b>£</b> 32'38		conjunction	6663 Oct 02 20:38	13° <b>≏</b> 41'37	5°37'02
opposition	6657 Mar 24 02:12		3°11'01	minimum elong	6663 Oct 02 20:28	13° <b>⊆</b> 41'37	
min. Earth dist.	6657 Mar 26 07:41		38.57870 AU	morning rise	6663 Oct 17 19:57	14° <b>⊆</b> 07'31	2 2 . 03
direct	6657 Jun 12 22:12	3° <b>£</b> 16'34	23.0,0,010	retrograde	6664 Jan 14 02:35	15° <b>⊆</b> 37'17	
evening set	6657 Sep 07 16:30	4° <b>£</b> 39'28		opposition	6664 Apr 02 16:18	13 <b>=</b> 3717 14° <b>£</b> 27'21	6°08'08
max. Earth dist.	6657 Sep 20 23:24		40.45137 AU	min. Earth dist.	6664 Apr 05 02:22		36.80910 AU
max. Darui Uist.	0037 Bep 20 23.24	J ==01 10 ·	TU.TJ13/ AU	direct	6664 Jun 22 06:54	14 <b>≗</b> 24 00 13° <b>£</b> 16'18	50.00910 AU
conjunction	6657 Sep 23 10:44	5° <b>ഫ</b> 05'23	3°13'19	evening set	6664 Sep 18 20:36	13 <b>≗</b> 10 18 14° <b>£</b> 46'32	
minimum elong	6657 Sep 23 10:38	5° <b>£</b> 05'22		max. Earth dist.	6664 Sep 30 23:32		38.67038 AU
	6657 Oct 09 04:39	5° <b>£</b> 05′22 5° <b>£</b> 31'19	J 1J 17	max. Earth tist.	0004 SEP 30 23.32	15 ==0/30	30.07030 AU
morning rise	6658 Jan 04 10:47	5° <b>ഫ</b> 31′19		conjunction	6664 Oct 03 16:28	15° <b>£</b> 12'22	6001126
retrograde	0030 Jan 04 10.4/	0 ==33 19		conjunction	0004 OCI 03 10.28	15 = 1222	0 01 20

minimum elong	6664 Oct 03 16:16	15° <b>≙</b> 12'21 6°01'28	max. Earth dist.	6671 Oct 13 05:21	26° <b>≙</b> 20'55 36.84415 AU
morning rise	6664 Oct 18 11:19	15° <b>≙</b> 38'10	man. Darin digi.	0071 000 15 00.21	20 -2000 30.01110110
retrograde	6665 Jan 14 21:28	17° <b>♀</b> 09'02	conjunction	6671 Oct 16 02:16	26° <b>£</b> 26'17 8°53'20
opposition	6665 Apr 04 10:02	15° <b>♀</b> 58'44 6°34'02	minimum elong	6671 Oct 16 02:00	26° <b>£</b> 26'16 8°53'21
min. Earth dist.	6665 Apr 06 20:15	15° <b>≏</b> 55'21 36.55160 AU	=	6671 Oct 29 02:52	26° <b>♀</b> 50'32
direct	6665 Jun 24 02:29	14° <b>≏</b> 47'16	retrograde	6672 Jan 27 11:17	28° <b>£</b> 30'47
evening set	6665 Sep 20 21:40	16° <b>≏</b> 18'43	opposition	6672 Apr 15 06:59	27° <b>£</b> 17'36 9°36'42
max. Earth dist.	6665 Oct 02 17:39	16° <b>≏</b> 39'29 38.41047 AU		6672 Apr 17 20:16	27° <b>£</b> 13'52 34.74114 AU
			direct	6672 Jul 04 17:33	26° <b>£</b> 02'53
conjunction	6665 Oct 05 12:42	16° <b>£</b> 44'27 6°25'56	evening set	6672 Oct 04 08:44	27° <b>£</b> 44'49
minimum elong	6665 Oct 05 12:30	16° <b>≏</b> 44'26 6°25'56	max. Earth dist.	6672 Oct 14 04:42	28° <b>≏</b> 03'14 36.58801 AU
morning rise	6665 Oct 20 02:59	17° <b>♀</b> 10'08			
retrograde	6666 Jan 16 18:34	18° <b>≏</b> 42'10	conjunction	6672 Oct 17 02:45	28° <b>£</b> 08'45 9°17'40
opposition	6666 Apr 06 04:27	17° <b>△</b> 31'28 7°00'03	minimum elong	6672 Oct 17 02:27	28° <b>£</b> 08'43 9°17'41
min. Earth dist.	6666 Apr 08 15:58	17° <b>2</b> 27′59 36.29266 AU	morning rise	6672 Oct 29 19:36	28° <b>£</b> 32'37
direct	6666 Jun 25 18:52	16° <b>ჲ</b> 19'33		6672 Dec 27 19:36	0° <b>M</b> ₊
evening set	6666 Sep 22 23:20	17° <b>≏</b> 52'18	retrograde	6673 Jan 28 13:05	0°M₁4'31
max. Earth dist.	6666 Oct 04 14:19	18° <b>≙</b> 12'52 38.14911 AU		6673 Mar 01 13:58	30° <b>₹立</b>
			opposition	6673 Apr 17 05:35	29° <b>≙</b> 00'57 10°02'34
conjunction	6666 Oct 07 09:28	18° <b>♀</b> 17'52 6°50'29	min. Earth dist.	6673 Apr 19 19:18	28° <b>△</b> 57'09 34.48866 AU
minimum elong	6666 Oct 07 09:15	18° <b>£</b> 17'51 6°50'31	direct	6673 Jul 06 13:29	27° <b>≏</b> 45'47
morning rise	6666 Oct 21 18:26	18° <b>£</b> 43'24	evening set	6673 Oct 06 18:22	29° <b>△</b> 29'33
retrograde	6667 Jan 18 13:42	20° <b>£</b> 16'39	max. Earth dist.	6673 Oct 16 06:34	29° <b>△</b> 47'32 36.33408 AU
opposition	6667 Apr 07 23:28	19° <b>£</b> 05'33 7°26'08		((72.0 + 10.04.07	200 0 52102 0041150
min. Earth dist.	6667 Apr 10 11:36	19° <b>£</b> 02'00 36.03260 AU	J	6673 Oct 19 04:07	29° <b>£</b> 53'03 9°41'50
direct	6667 Jun 27 13:01	17° <b>£</b> 53'10	minimum elong	6673 Oct 19 03:50	29° <b>£</b> 53'02 9°41'52
evening set	6667 Sep 25 02:16	19° <b>£</b> 27'15	marning rise	6673 Oct 22 19:26	0°M
max. Earth dist.	6667 Oct 06 10:41	19° <b>≙</b> 47'32 37.88703 AU	Č	6673 Oct 31 12:21 6674 Jan 30 13:21	0°M16'30
agniumation	6667 Oat 00 06:40	19° <b>♀</b> 52'39 7°15'06	retrograde opposition		2°MJ00'07 0°MJ46'11 10°28'16
conjunction minimum elong	6667 Oct 09 06:48 6667 Oct 09 06:34	19° <b>£</b> 52'38 7°15'07	min. Earth dist.	6674 Apr 19 05:07 6674 Apr 21 19:08	0°M42'21 34.23830 AU
morning rise	6667 Oct 23 10:20	19 <b>⊆</b> 3238 / 1307 20° <b>⊆</b> 18'00	min. Earth tist.	6674 May 22 17:34	30°R <u>Ω</u>
retrograde	6668 Jan 20 12:42	20 <b>⊆</b> 18 00 21° <b>⊆</b> 52'31	direct	6674 Jul 08 10:57	29° <b>£</b> 30'36
opposition	6668 Apr 08 18:47	20° <b>£</b> 40'59 7°52'17	direct	6674 Aug 23 08:59	0°M
min. Earth dist.	6668 Apr 11 07:07	20° <b>♀</b> 37'24 35.77231 AU	evening set	6674 Oct 09 05:20	1°ML16'15
direct	6668 Jun 28 06:45	19° <b>£</b> 28'08	max. Earth dist.	6674 Oct 18 08:01	1°M33'41 36.08220 AU
evening set	6668 Sep 26 06:09	21° <b>♀</b> 03'38	man. Darin and	0071 001 10 00.01	1 11055 11 50.00220110
max. Earth dist.	6668 Oct 07 07:49	21° <b>2</b> 23'35 37.62470 AU	conjunction	6674 Oct 21 05:55	1°MJ39'18 10°05'48
			minimum elong	6674 Oct 21 05:35	1°M39'16 10°05'50
conjunction	6668 Oct 10 04:50	21° <b>≏</b> 28'49 7°39'43	morning rise	6674 Nov 02 05:11	2°M02'15
minimum elong	6668 Oct 10 04:35	21° <b>≏</b> 28'48 7°39'45	retrograde	6675 Feb 01 17:35	3°M47'41
morning rise	6668 Oct 24 02:20	21° <b>≏</b> 53'57	opposition	6675 Apr 21 05:13	2°M33'22 10°53'45
retrograde	6669 Jan 21 11:44	23° <b>≙</b> 29'48	min. Earth dist.	6675 Apr 23 18:54	2°M29'32 33.98984 AU
opposition	6669 Apr 10 14:57	22° <b>△</b> 17'50 8°18'27	direct	6675 Jul 10 08:51	1° <b>M</b> 17'21
min. Earth dist.	6669 Apr 13 04:36	22° <b>2</b> 14'10 35.51226 AU	evening set	6675 Oct 11 17:42	3°M05'01
direct	6669 Jun 30 01:21	21° <b>ჲ</b> 04'30	max. Earth dist.	6675 Oct 20 10:18	3°M21'48 35.83169 AU
evening set	6669 Sep 28 11:06	22° <b>º</b> 41'30			
max. Earth dist.	6669 Oct 09 06:39	23° <b>≙</b> 01'10 37.36300 AU	•	6675 Oct 23 08:47	3°M27'31 10°29'33
			minimum elong	6675 Oct 23 08:28	3°M27'29 10°29'35
conjunction	6669 Oct 12 03:21	23° <b>£</b> 06'26 8°04'19	morning rise	6675 Nov 03 22:25	3°M49'56
minimum elong	6669 Oct 12 03:06	23° <b>♀</b> 06'24 8°04'21	retrograde	6676 Feb 03 21:19	5°M37'15
morning rise	6669 Oct 25 18:21	23° <b>△</b> 31'18	opposition	6676 Apr 22 06:11	4°M,22'32 11°19'01
retrograde	6670 Jan 23 11:24	25° <b>№</b> 08'32	min. Earth dist.	6676 Apr 24 21:11	4°M18'36 33.74273 AU
opposition	6670 Apr 12 11:33	23° <b>£</b> 56'10 8°44'36	direct	6676 Jul 11 07:19	3°M06'04
min. Earth dist.	6670 Apr 15 00:26	23° <b>£</b> 52'30 35.25328 AU	-	6676 Oct 13 07:43	4°M55'48
direct	6670 Jul 01 22:50	22° <b>£</b> 42'21	max. Earth dist.	6676 Oct 21 14:15	5°M11'57 35.58251 AU
evening set	6670 Sep 30 17:09	24° \( \Omega \) 20'54	agniumatic=	6676 Oct. 24, 12:20	50 <b>M</b> 17140 10052100
max. Earth dist.	6670 Oct 11 04:29	24° <b>2</b> 40′09 37.10258 AU	conjunction minimum elong	6676 Oct 24 12:29 6676 Oct 24 12:08	5°M17'42 10°53'02 5°M17'40 10°53'04
conjunction	6670 Oct 14 02:27	24° <b>£</b> 45'33 8°28'52	morning rise	6676 Nov 04 15:48	5°M39'31
minimum elong	6670 Oct 14 02:27	24°\(\Omega\)45'33 8°28'54 24°\(\Omega\)45'32 8°28'54	retrograde	6677 Feb 05 03:19	7°M28'45
morning rise	6670 Oct 27 10:37	24 <b>≅</b> 43 32 8 28 34 25° <b>♀</b> 10'08	opposition	6677 Apr 24 07:54	6°M13'40 11°43'59
retrograde	6671 Jan 25 11:49	26° <b>£</b> 48′51	min. Earth dist.	6677 Apr 26 22:15	6°M09'44 33.49689 AU
opposition	6671 Apr 14 08:57	25° <b>£</b> 36'03 9°10'42	direct	6677 Jul 13 10:19	4°M56'44
min. Earth dist.	6671 Apr 16 22:50	25° <b>£</b> 30'03 9 10'42 25° <b>£</b> 32'18 34.99613 AU		6677 Oct 15 22:59	6°M48'36
direct	6671 Jul 03 19:19	24° <b>£</b> 21'46	max. Earth dist.	6677 Oct 23 17:12	7°M03'55 35.33451 AU
			Darin dibt.	22 200 22 17.12	
evening set	6671 Oct 03 00:11	26° <b>♀</b> 01'58			

conjunction	6677 Oct 26 16:48	7° <b>M</b> .09'50	11°16'13	morning rise	6683 Nov 15 16:21	19° <b>M</b> 17'35	
minimum elong	6677 Oct 26 16:28	7°M09'48	11°16'15	Č	6684 Feb 20 05:13	21°M22'56	
Č			11 1013	retrograde			1.4025157
morning rise	6677 Nov 06 09:18	7°M30'58		opposition	6684 May 07 18:04	20°M04'48	14°25'57
retrograde	6678 Feb 07 10:30	9°M22'14		min. Earth dist.	6684 May 10 07:01		31.85160 AU
opposition	6678 Apr 26 10:29	8°M06'42	12°08'38	direct	6684 Jul 26 13:56	18° <b>™</b> 44'25	
min. Earth dist.	6678 Apr 29 01:59		33.25254 AU	evening set	6684 Nov 03 08:27	20°M54'09	
direct	6678 Jul 15 12:27	6°M49'18		max. Earth dist.	6684 Nov 06 23:57	21°M01'52	33.68237 AU
evening set	6678 Oct 18 15:49	8°M43'24					
max. Earth dist.	6678 Oct 25 23:22	8° <b>ጤ</b> 57'59	35.08821 AU	conjunction	6684 Nov 09 20:57	21° <b>M</b> 07'58	13°44'55
				minimum elong	6684 Nov 09 20:35	21°M07'56	13°44'58
conjunction	6678 Oct 28 22:02	9° <b>™</b> 03'52	11°39'02	morning rise	6684 Nov 16 08:23	21° <b>M</b> 21'42	
minimum elong	6678 Oct 28 21:40	9° <b>™</b> 03'51	11°39'04	retrograde	6685 Feb 21 15:59	23°M29'51	
morning rise	6678 Nov 08 02:44	9° <b>M</b> 24'15		opposition	6685 May 10 02:23	22°M11'20	14°46'21
retrograde	6679 Feb 09 15:14	11° <b>M</b> .17'37		min. Earth dist.	6685 May 12 15:36		31.63564 AU
opposition	6679 Apr 28 13:45	10°M01'40	12°32'54	direct	6685 Jul 28 20:09	20°M50'31	
min. Earth dist.	6679 May 01 04:39		33.01011 AU	evening set	6685 Nov 06 14:59	23°M03'25	
direct	6679 Jul 17 16:22	8°M43'46	33.01011110	max. Earth dist.	6685 Nov 09 12:29		33.46665 AU
	6679 Oct 21 10:09	10°ML40'10		max. Lartii dist.	0003 1101 07 12.27	23 1100737	33.40003 AC
evening set			24 04414 411		((05 N 12 07-22	220 <b>m</b> 15127	1.4902122
max. Earth dist.	6679 Oct 28 04:07	10-11653'46	34.84414 AU	conjunction	6685 Nov 12 07:32	23°M15'36	14°03'23
	66 <b>7</b> 0 0 . <b>21</b> 02 <b>5</b> 0	1000 50110	10001107	minimum elong	6685 Nov 12 07:12	23°M15'34	14°03'26
conjunction	6679 Oct 31 03:50	10°M59'48	12°01'27	morning rise	6685 Nov 17 23:06	23°M27'42	
minimum elong	6679 Oct 31 03:30	10° <b>™</b> 59'47	12°01'29	retrograde	6686 Feb 24 04:12	25°M38'53	
morning rise	6679 Nov 09 20:18	11° <b>M</b> 19'21		opposition	6686 May 12 11:26	24°M20'01	15°05'50
retrograde	6680 Feb 11 21:49	13°M14'53		min. Earth dist.	6686 May 14 23:00	24°M16'02	31.42571 AU
opposition	6680 Apr 29 17:49	11° <b>M</b> 58'30	12°56'42	direct	6686 Jul 31 05:44	22°M58'47	
min. Earth dist.	6680 May 02 09:07	11°M54'26	32.77031 AU	evening set	6686 Nov 10 00:56	25° <b>™</b> 15′08	
direct	6680 Jul 18 18:46	10° <b>™</b> 40'05		max. Earth dist.	6686 Nov 11 23:40	25° <b>™</b> 19'20	33.25696 AU
evening set	6680 Oct 23 06:08	12°M38'55					
max. Earth dist.	6680 Oct 29 11:51	12°M51'36	34.60282 AU	conjunction	6686 Nov 14 18:58	25°M25'24	14°20'56
				minimum elong	6686 Nov 14 18:36	25°M25'22	14°21'00
conjunction	6680 Nov 01 10:40	12°M57'38	12°23'23	morning rise	6686 Nov 19 12:07	25°M35'36	
minimum elong	6680 Nov 01 10:17	12°M57'36	12°23'25	retrograde	6687 Feb 26 18:25	27°M50'04	
morning rise	6680 Nov 10 13:44	13°M16'14	12 23 23	opposition	6687 May 14 21:21	26°M30'51	15°24'20
morning rise		15°M			•		
	6681 Jan 14 03:06			min. Earth dist.	6687 May 17 08:53		31.22172 AU
retrograde	6681 Feb 13 03:07	15°M14'03		direct	6687 Aug 02 14:25	25°M09'14	
	6681 Mar 15 13:25	15°RM		evening set	6687 Nov 13 16:33	27°M29'30	
opposition	6681 May 01 22:39	13°M57'13	13°20'00	max. Earth dist.	6687 Nov 14 14:04	27°11L31'27	33.05302 AU
min. Earth dist.	6681 May 04 13:56	13° <b>M</b> 53'07	32.53364 AU				
direct	6681 Jul 20 22:18	12°M38'18		conjunction	6687 Nov 17 07:23	27°M37'23	14°37'32
evening set	6681 Oct 26 03:53	14° <b>™</b> 39'38		minimum elong	6687 Nov 17 07:04	27°M37'22	14°37'36
max. Earth dist.	6681 Oct 31 19:06	14°M51'13	34.36525 AU	morning rise	6687 Nov 20 21:28	27°M45'13	
					6688 Feb 14 23:09	0° <b>∡</b> ¹	
conjunction	6681 Nov 03 18:01	14° <b>M</b> 57'19	12°44'46	retrograde	6688 Feb 29 06:46	0° <b>∡</b> ¹03'26	
minimum elong	6681 Nov 03 17:40	14° <b>M</b> 57'17	12°44'49		6688 Mar 14 15:56	30°RM₁	
C	6681 Nov 05 01:16	15° <b>M</b>		opposition	6688 May 16 08:16	28°M43'53	15°41'47
morning rise	6681 Nov 12 06:59	15°M14'53		min. Earth dist.	6688 May 18 18:52		31.02308 AU
retrograde	6682 Feb 15 11:57	17°M15'05		direct	6688 Aug 04 01:07	27°M21'53	51.02500110
opposition	6682 May 04 04:17	15°M57'49	13°42'41	evening set	6688 Nov 16 20:14	29°M47'05	
min. Earth dist.	6682 May 06 18:40		32.30120 AU	max. Earth dist.	6688 Nov 16 03:02		32.85455 AU
mm. Lattii dist.	•	15°RM	32.30120 AO	max. Lartii dist.	0000 100 10 05.02	27 110-7331	32.03433 AO
11	6682 Jun 14 14:40				((00 N 10 20 22	200 <b>m</b> 51122	1.4052107
direct	6682 Jul 23 01:36	14°M38'23		conjunction	6688 Nov 18 20:33	29°M51'32	14°53'07
	6682 Aug 29 23:58	15°M		minimum elong	6688 Nov 18 20:13	29°M51'30	14°53'10
evening set	6682 Oct 29 03:06	16° <b>™</b> 42′22		morning rise	6688 Nov 20 20:11	29°M55'54	
max. Earth dist.	6682 Nov 03 03:51	16°M52'48	34.13208 AU		6688 Nov 22 16:54	0°⊀	
				retrograde	6689 Mar 02 21:33	2° <b>∡</b> 18'54	
conjunction	6682 Nov 06 02:06	16° <b>™</b> 58'54	13°05'32	opposition	6689 May 18 19:58	0° <b>₮</b> 59'02	15°58'08
minimum elong	6682 Nov 06 01:44	16°M58'52	13°05'34	min. Earth dist.	6689 May 21 05:56	0° <b>₮</b> 55'06	30.82985 AU
morning rise	6682 Nov 13 23:49	17°M15'20			6689 Jun 28 06:47	30°RM	
retrograde	6683 Feb 17 18:51	19°M18'02		direct	6689 Aug 06 11:15	29°M36'39	
opposition	6683 May 06 10:54	18°M00'20	14°04'42		6689 Sep 13 20:23	0° <b>⊼</b> ¹	
min. Earth dist.	6683 May 09 01:28		32.07357 AU	max. Earth dist.	6689 Nov 18 18:49		32.66151 AU
direct	6683 Jul 25 06:41	16°M40'24		Zarar dibt.		_ ,. 0101	
		18°M47'10		conjunction	6680 Nov. 21, 10-20	2° <b>₹</b> 07'46	15°07'36
evening set	6683 Nov 01 04:42		22 00422 411	conjunction	6689 Nov 21 10:39		
max. Earth dist.	6683 Nov 05 14:00	10 11630/22	33.90432 AU	minimum elong	6689 Nov 21 10:22	2°× <b>7</b> 07'44	15°07'39
		100m	1202	retrograde	6690 Mar 05 11:03	4° ₹ 36'26	1.01.01.0
conjunction	6683 Nov 08 11:04	19°M02'25	13°25'37	opposition	6690 May 21 08:43	3° <b>√</b> 16'15	16°13'17
minimum elong	6683 Nov 08 10:44	19°M02'23	13°25'39	min. Earth dist.	6690 May 23 18:19	3° <b>x</b> 12'19	30.64198 AU

direct	6690 Aug 08 22:16	1° <b>∡</b> 753′29		conjunction	6698 Dec 13 21:37	23° <b>х</b> 52'50	16°16'26
max. Earth dist.	6690 Nov 21 09:51		32.47432 AU	minimum elong	6698 Dec 13 21:34	23° × 52'50	16°16'30
max. Earth dist.	00001101 21 00.51	1 7 2001	32.17 132 110	retrograde	6699 Mar 28 01:27	26° <b>₹</b> 32'30'47	10 10 50
conjunction	6690 Nov 24 01:13	4° <b>х</b> 26′00	15°20'56	opposition	6699 Jun 12 11:46	25° <b>₹</b> '08'09	17°22'11
minimum elong	6690 Nov 24 00:55	4° <b>₹</b> 25'58	15°20'59	min. Earth dist.	6699 Jun 14 07:15		29.28819 AU
retrograde	6691 Mar 08 03:18	6° <b>₹</b> 755'56		direct	6699 Aug 30 22:21	23° <b>х</b> 42'43	
opposition	6691 May 23 22:08	5° <b>₹</b> 35'25	16°27'10	max. Earth dist.	6699 Dec 14 19:13	26° <b>₹</b> 20'34	31.14964 AU
min. Earth dist.	6691 May 26 06:09	5° <b>∡</b> ³31'34	30.45995 AU				
direct	6691 Aug 11 10:04	4° <b>∡</b> 12'16		conjunction	6699 Dec 16 17:26	26° <b>₹</b> 25'09	16°15'55
max. Earth dist.	6691 Nov 24 02:41	6° <b>∡</b> ′40′18	32.29317 AU	minimum elong	6699 Dec 16 17:26	26° <b>₹</b> 25'09	16°15'58
				retrograde	6700 Mar 30 22:10	29° <b>х</b> 03′48	
conjunction	6691 Nov 26 16:48	6° <b>х</b> 46′09	15°33'01	opposition	6700 Jun 15 07:08	27° <b>∡</b> ′41′02	17°20'56
minimum elong	6691 Nov 26 16:33	6° <b>₰</b> ¹46'07	15°33'05	min. Earth dist.	6700 Jun 17 00:09	27° <b>х³</b> 38′09	29.18505 AU
retrograde	6692 Mar 09 17:03	9° <b>√</b> 17'18		direct	6700 Sep 02 17:35	26° <b>₹</b> 15′27	
opposition	6692 May 25 12:20	7° <b>∡</b> ¹56′27	16°39'42	max. Earth dist.	6700 Dec 17 18:42	28° <b>₹</b> 54'19	31.05159 AU
min. Earth dist.	6692 May 27 20:18	7° <b>∡</b> 52'35	30.28408 AU				
direct	6692 Aug 12 23:06	6° <b>∡</b> ³32'55		conjunction	6700 Dec 19 13:49	28° <b>₹</b> 58'36	16°13'37
max. Earth dist.	6692 Nov 25 20:21	9° <b>х</b> 02′21	32.11887 AU	minimum elong	6700 Dec 19 13:50	28° <b>₹</b> 58'36	16°13'40
					6701 Jan 14 22:44	0° <b>る</b>	
conjunction	6692 Nov 28 08:58	9° <b>₰</b> 08'07	15°43'48	retrograde	6701 Apr 02 17:42	1° <b>る</b> 37'50	
minimum elong	6692 Nov 28 08:42	9° <b>₰</b> 08'05	15°43'52	opposition	6701 Jun 18 03:19	0° <b>る</b> 14'58	17°17'44
retrograde	6693 Mar 12 09:58	11° <b>∡</b> ¹40′25		min. Earth dist.	6701 Jun 19 19:02	0° <b>る</b> 12'10	29.09141 AU
opposition	6693 May 28 03:18	10° <b>∡</b> 19'14	16°50'48		6701 Jun 27 00:10	30°₽ <b>✓</b>	
min. Earth dist.	6693 May 30 09:06	10° <b>∡</b> 15'31	30.11513 AU	direct	6701 Sep 05 13:04	28° <b>х</b> ⁴49'16	
direct	6693 Aug 15 14:26	8° <b>≯</b> 55'20			6701 Nov 11 01:27	0°る	
max. Earth dist.	6693 Nov 28 14:13	11° <b>≯</b> 26′06	31.95192 AU	max. Earth dist.	6701 Dec 20 16:52	1° <b>る</b> 28'52	30.96343 AU
		=					
conjunction	6693 Dec 01 01:38	11° <b>х</b> 31'47	15°53'12	conjunction	6701 Dec 22 10:12	1°る32'59	16°09'30
minimum elong	6693 Dec 01 01:26	11° <b>х</b> 31'46	15°53'15	minimum elong	6701 Dec 22 10:16	1°る33'00	16°09'32
retrograde	6694 Mar 15 02:16	14° <b>₹</b> 05'11	1.500.010.1	retrograde	6702 Apr 05 15:42	4°る12'43	15010105
opposition	6694 May 30 19:07	12° <b>∡</b> 43'41	17°00'21	opposition	6702 Jun 20 23:45	2° <b>3</b> 49'45	17°12'35
min. Earth dist.	6694 Jun 02 00:32		29.95386 AU	min. Earth dist.	6702 Jun 22 12:27		29.00728 AU
direct	6694 Aug 18 04:16	11° 🖈 19'26	21 70242 ATT	direct	6702 Sep 08 09:32	1°る23'57	20 00405 ATT
max. Earth dist.	6694 Dec 01 10:10	13, X, 21, 22	31.79342 AU	max. Earth dist.	6702 Dec 23 16:28	4 004 10	30.88495 AU
conjunction	6694 Dec 03 18:59	13° <b>∡</b> 57′03	16°01'06	conjunction	6702 Dec 25 07:07	4°₹08'08	16°03'33
minimum elong	6694 Dec 03 18:47	13° × 57'02	16°01'10	minimum elong	6702 Dec 25 07:12	4°る08'08	16°03'37
retrograde	6695 Mar 17 20:07	16° <b>₹</b> 31'29	10 01 10	retrograde	6703 Apr 08 10:15	6° <b>පි</b> 48'14	10 03 37
opposition	6695 Jun 02 11:25	15°× 09'42	17°08'18	opposition	6703 Jun 23 20:33	5° <b>ਰ</b> 25'11	17°05'28
min. Earth dist.	6695 Jun 04 14:18		29.80111 AU	min. Earth dist.	6703 Jun 25 08:15		28.93259 AU
direct	6695 Aug 20 21:59	13° <b>х</b> 45′08		direct	6703 Sep 11 05:16	3° <b>る</b> 59'17	
max. Earth dist.	6695 Dec 04 05:07	16° <b>∡</b> 18'27	31.64407 AU	max. Earth dist.	6703 Dec 26 15:50	6° <b>ප්</b> 40'10	30.81643 AU
conjunction	6695 Dec 06 12:52	16° <b>₹</b> 23'51	16°07'27	conjunction	6703 Dec 28 04:08	6° <b>る</b> 43'49	15°55'47
minimum elong	6695 Dec 06 12:44	16° <b>₹</b> 23'50	16°07'30	minimum elong	6703 Dec 28 04:16	6° <b>る</b> 43'50	15°55'51
retrograde	6696 Mar 19 15:01	18° <b>₹</b> 59'16		retrograde	6704 Apr 10 06:59	9° <b>ප</b> 24'11	
opposition	6696 Jun 04 04:35	17° <b>∡</b> ³37'12	17°14'31	opposition	6704 Jun 25 17:36	8° <b>ප</b> 01'03	16°56'22
min. Earth dist.	6696 Jun 06 06:17	17° <b>∡</b> ³33'44	29.65777 AU	min. Earth dist.	6704 Jun 27 02:04	7° <b>る</b> 58'45	28.86751 AU
direct	6696 Aug 22 14:52	16° <b>≯</b> 12′20		direct	6704 Sep 13 03:52	6° <b>る</b> 35'05	
max. Earth dist.	6696 Dec 06 02:54	18° <b>∡</b> ¹47'00	31.50472 AU	max. Earth dist.	6704 Dec 28 15:15	9° <b>ප</b> 16'25	30.75784 AU
		=:					
conjunction	6696 Dec 08 07:21	18° <b>≯</b> 52'06	16°12'10	conjunction	6704 Dec 30 01:10	9° <b>る</b> 19'49	
minimum elong	6696 Dec 08 07:13	18° <b>≯</b> 52'06	16°12'13	minimum elong	6704 Dec 30 01:19	9° <b>る</b> 19'50	15°46'16
retrograde	6697 Mar 22 09:06	21° <b>₹</b> 28′26		retrograde	6705 Apr 13 02:44	12° <b>る</b> 00'22	
opposition	6697 Jun 06 22:22	20° <b>₹</b> 06'09	17°18'56	opposition	6705 Jun 28 14:58	10°る37'09	16°45'18
min. Earth dist.	6697 Jun 08 21:34		29.52429 AU	min. Earth dist.	6705 Jun 29 22:05		28.81238 AU
direct	6697 Aug 25 09:13	18° 🗷 41'03	21 27500 +**	direct	6705 Sep 15 23:51	9° <b>る</b> 11'08	
max. Earth dist.	6697 Dec 08 23:06	21° <b>×</b> ′16'47	31.37588 AU	aaniuuti	6706 I 01 22 12	11075550	15024146
aamium -+:	6607 D 11 02 14	210.721147	16015110	conjunction	6706 Jan 01 22:12	11°る55'58	15°34'46
conjunction	6697 Dec 11 02:14	21° <b>x</b> <sup>7</sup> 21'47	16°15'10	minimum elong	6706 Jan 01 22:24	11° <b>る</b> 55'59	15°34'49
minimum elong	6697 Dec 11 02:09	21° 🗷 21'47	16°15'14	max. Earth dist.	6705 Dec 31 15:26		30.70985 AU
retrograde	6698 Mar 25 06:05	23° 🗷 58'58	17921120	retrograde	6706 Apr 15 22:29	14°る36'33	16022115
opposition min. Earth dist.	6698 Jun 09 16:45	22° <b>√</b> 36'29	17°21'30	opposition min. Earth dist.	6706 Jul 01 12:18 6706 Jul 02 16:02	13°る13'18	16°32'15 28.76766 AU
direct	6698 Jun 11 14:01 6698 Aug 28 02:52	21° <b>x</b> '33'18	29.40123 AU	direct	6706 Jul 02 16:02 6706 Sep 18 23:05	13° <b>る</b> 11'20	20.70700 AU
max. Earth dist.	6698 Dec 11 22:01		31.25761 AU	uncei	0700 Sep 10 23.03	11 04/14	
max. Datui dist.	0070 DCC 11 22.01	43 X 40 U9	31.23/01 AU	conjunction	6707 Jan 04 18:59	14° <b>る</b> 32'02	15°21'31

6719 Nov 19 22:00

15°**≈** 

6713 Sep 14 08:35

30°Ŗる

evening set	6720 Jan 26 07:29	16° <b>≈</b> 56'56		max. Earth dist.	6726 Feb 21 04:12 6726 Mar 05 20:27	1° <b>光</b> 17'43 1° <b>米</b> 45'45	32.10421 AU
conjunction	6720 Feb 06 20:16	17° <b>≈</b> 23'33	10°06'10	retrograde	6726 Jun 03 07:47	3° <b>¥</b> 41'16	
minimum elong	6720 Feb 06 20:38	17°≈23'35	10°06'12	opposition	6726 Aug 20 22:57	2° <b>H</b> 21'50	6°51'30
max. Earth dist.	6720 Feb 07 06:20		31.25008 AU	min. Earth dist.	6726 Aug 19 19:06		30.20218 AU
morning rise	6720 Feb 18 08:42	17°≈50'08	31.20000110	direct	6726 Nov 09 09:37	1° <b>₩</b> 00'55	30.20210110
retrograde	6720 May 20 07:11	19° <b>≈</b> 56'11		evening set	6727 Feb 08 09:18	2° <b>)</b> 57'04	
opposition	6720 Aug 06 04:53	18° <b>≈</b> 34'56	10°30'20	evening sec	0,2,100 00 0,.10	2 /(5/ 5.	
min. Earth dist.	6720 Aug 05 17:32		29.33818 AU	conjunction	6727 Feb 22 11:42	3° <b>)</b> €28'02	6°08'14
direct	6720 Oct 25 04:56	17° <b>≈</b> 11'42		minimum elong	6727 Feb 22 11:58	3° <b>)</b> €28'04	
evening set	6721 Jan 27 10:45	19° <b>≈</b> 18'54		max. Earth dist.	6727 Feb 23 16:55	3° <b>)</b> € 30'44	32.27735 AU
Ü				morning rise	6727 Mar 08 13:23	3° <b>)</b> 58'57	
conjunction	6721 Feb 08 10:53	19° <b>≈</b> 46'25	9°33'48	retrograde	6727 Jun 05 16:36	5° <b>升</b> 52'58	
minimum elong	6721 Feb 08 11:15	19° <b>≈</b> 46′27	9°33'51	min. Earth dist.	6727 Aug 22 06:12	4° <b>)</b> 35′49	30.37650 AU
max. Earth dist.	6721 Feb 09 00:57	19° <b>≈</b> 47'46	31.36728 AU	opposition	6727 Aug 23 11:38	4° <b>)</b> €33'54	6°13'50
morning rise	6721 Feb 20 10:20	20°≈13'53		direct	6727 Nov 11 22:22	3° <b>)</b> 13′24	
retrograde	6721 May 22 19:38	22° <b>≈</b> 17'59		evening set	6728 Feb 10 13:21	5° <b>)</b> €07'57	
opposition	6721 Aug 08 21:38	20°≈56'59	9°55'15				
min. Earth dist.	6721 Aug 08 07:50	20° <b>≈</b> 57'54	29.45709 AU	conjunction	6728 Feb 24 21:34	5° <b>)</b> 39′13	5°32'58
direct	6721 Oct 28 00:21	19° <b>≈</b> 34'03		minimum elong	6728 Feb 24 21:47	5° <b>)</b> 39′14	5°32'59
evening set	6722 Jan 29 14:20	21° <b>≈</b> 39'13		max. Earth dist.	6728 Feb 26 05:01	5° <b>)</b> 42′06	32.45736 AU
				morning rise	6728 Mar 10 04:51	6° <b>)</b> 10′24	
conjunction	6722 Feb 11 00:43	22° <b>≈</b> 07'32	9°00'44	retrograde	6728 Jun 07 00:24	8° <b>)</b> €03'00	
minimum elong	6722 Feb 11 01:03	22° <b>≈</b> 07'34	9°00'47	opposition	6728 Aug 24 23:43	6° <b>)</b> 44'17	5°36'04
max. Earth dist.	6722 Feb 11 16:37	22° <b>≈</b> 09'03	31.49496 AU	min. Earth dist.	6728 Aug 23 16:06	6° <b>)</b> 46′20	30.55734 AU
morning rise	6722 Feb 23 10:38	22° <b>≈</b> 35'48		direct	6728 Nov 13 11:52	5° <b>)</b> 24′13	
retrograde	6722 May 25 09:53	24° <b>≈</b> 38′01		evening set	6729 Feb 11 17:22	7° <b>∺</b> 17'14	
opposition	6722 Aug 11 13:28	23° <b>≈</b> 17'16	9°19'28				
min. Earth dist.	6722 Aug 10 19:56	23° <b>≈</b> 18′27	29.58675 AU	conjunction	6729 Feb 26 06:29	7° <b>)</b> 48'42	4°57'38
direct	6722 Oct 30 17:16	21° <b>≈</b> 54'42		minimum elong	6729 Feb 26 06:42	7° <b>)</b> 48'43	4°57'40
evening set	6723 Jan 31 17:53	23° <b>≈</b> 57'54		max. Earth dist.	6729 Feb 27 15:19		32.64332 AU
				morning rise	6729 Mar 12 18:58	8° <b>∺</b> 20'07	
conjunction	6723 Feb 13 14:01	24° <b>≈</b> 26′56	8°27'04	retrograde	6729 Jun 09 09:00	10° <b>∺</b> 11'21	
minimum elong	6723 Feb 13 14:21	24° <b>≈</b> 26′58	8°27'06	min. Earth dist.	6729 Aug 26 01:19		30.74430 AU
max. Earth dist.	6723 Feb 14 09:47		31.63309 AU	opposition	6729 Aug 27 11:09	8° <b>¥</b> 52'57	4°58'19
morning rise	6723 Feb 26 09:20	24° <b>≈</b> 55'54		direct	6729 Nov 15 23:00	7° <b>)</b> 33′18	
retrograde	6723 May 27 21:17	26°≈56'19		evening set	6730 Feb 13 21:17	9° <b>∺</b> 24'50	
min. Earth dist.	6723 Aug 13 09:32		29.72671 AU			>/	
opposition	6723 Aug 14 04:53	25°≈35'52	8°43'06	conjunction	6730 Feb 28 14:59	9° <b>₩</b> 56'27	
direct	6723 Nov 02 09:45	24°≈13'41		minimum elong	6730 Feb 28 15:09	9° <b>升</b> 56′28	4°22'21
evening set	6724 Feb 02 21:40	26°≈15'01		max. Earth dist.	6730 Mar 02 02:28		32.83491 AU
. ,.	(704 F. 1 1 ( 02.24	26044120	7052152	morning rise	6730 Mar 15 07:41	10° <b>)</b> €28'01	
conjunction	6724 Feb 16 02:24	26°≈44'39	7°52'53	retrograde min. Earth dist.	6730 Jun 11 15:16	12° <b>升</b> 17'57	20.02 <i>(</i> 72.AII
minimum elong max. Earth dist.	6724 Feb 16 02:42 6724 Feb 16 23:58	26°≈44'41	7°52'54 31.78118 AU	opposition	6730 Aug 28 10:35 6730 Aug 29 21:41	11° <b>X</b> 02'07 10° <b>X</b> 59'52	30.93672 AU 4°20'39
morning rise	6724 Feb 29 06:31	20 ≈40 41 27°≈14'14	31./6116 AU	direct	6730 Nov 18 11:13	9° <b>H</b> 40'36	4 20 39
retrograde	6724 May 29 10:33	27 ≈14 14 29°≈12'56		evening set	6731 Feb 16 01:16	11° <b>H</b> 30'43	
opposition	6724 Aug 15 19:29	27°≈52'49	8°06'14	evening set	0/31100 10 01.10	11 /(3043	
min. Earth dist.	6724 Aug 14 20:22		29.87645 AU	conjunction	6731 Mar 02 22:33	12° <b>)</b> 02′26	3°47'06
direct	6724 Nov 04 02:52	26° <b>≈</b> 31'03	29.070.0110	minimum elong	6731 Mar 02 22:43	12°\tag{02'26}	
evening set	6725 Feb 04 01:26	28° <b>≈</b> 30'35		max. Earth dist.	6731 Mar 04 10:44		33.03167 AU
				morning rise	6731 Mar 17 19:13	12° <b>)</b> (34'04	
conjunction	6725 Feb 17 14:15	29° <b>≈</b> 00'45	7°18'17	retrograde	6731 Jun 13 23:26	14° <b>)</b> €22'44	
minimum elong	6725 Feb 17 14:33	29° <b>≈</b> 00'47	7°18'18	min. Earth dist.	6731 Aug 30 17:43		31.13461 AU
max. Earth dist.	6725 Feb 18 15:14		31.93845 AU	opposition	6731 Sep 01 07:31	13° <b>)</b> €04'58	3°43'07
morning rise	6725 Mar 03 02:13	29° <b>≈</b> 30'51		direct	6731 Nov 20 20:51	11° <b>)</b> 46′04	
<b>U</b> -	6725 Mar 16 17:56	0° <b>∀</b>		evening set	6732 Feb 18 04:52	13° <b>)</b> (34′50	
retrograde	6725 May 31 21:48	1° <b>)</b> 27′56		-			
min. Earth dist.	6725 Aug 17 08:57	0° <b>)</b> 09'47	30.03526 AU	conjunction	6732 Mar 04 05:24	14° <b>)</b> €06'34	3°12'01
opposition	6725 Aug 18 09:39	0° <b>)</b> 08′09	7°29'00	minimum elong	6732 Mar 04 05:32	14° <b>)</b> €06'34	3°12'01
	6725 Aug 23 13:17	30° <b>R</b> ≈		max. Earth dist.	6732 Mar 05 20:27	14° <b>) (</b> 10′01	33.23364 AU
direct	6725 Nov 06 18:04	28° <b>≈</b> 46'48		morning rise	6732 Mar 19 05:03	14° <b>)</b> €38'14	
	6726 Jan 15 15:28	0° <b>)</b> €		retrograde	6732 Jun 15 04:38	16° <b>)</b> €25'42	
evening set	6726 Feb 06 05:17	0° <b>)</b> 44′36		min. Earth dist.	6732 Sep 01 02:06	15° <b>ℋ</b> 10'40	31.33804 AU
				opposition	6732 Sep 02 16:46	15° <b>)</b> €08'13	3°05'47
conjunction	6726 Feb 20 01:15	1° <b>∺</b> 15'13	6°43'22	direct	6732 Nov 22 07:13	13° <b>)</b> 49′42	
minimum elong	6726 Feb 20 01:31	1° <b>∺</b> 15'14	6°43'23	evening set	6733 Feb 19 08:28	15° <b>∺</b> 37'09	

agnismation	6722 Mar 06 11.26	16° <b>₩</b> 08'51	2027107	retrograde	6739 Jun 29 02:42	29° <b>¥</b> 58'22	
conjunction	6733 Mar 06 11:26			0			22 02217 ATT
minimum elong	6733 Mar 06 11:32	16° <b>¥</b> 08'51		min. Earth dist.	6739 Sep 15 09:52		32.92217 AU
max. Earth dist.	6733 Mar 08 03:30		33.44121 AU	opposition	6739 Sep 17 13:09	28° <b>)</b> 43'12	-1°05'16
morning rise	6733 Mar 21 13:45	16° <b>)</b> 40′29		direct	6739 Dec 07 12:30	27° <b>∺</b> 27'31	
retrograde	6733 Jun 17 11:28	18° <b>)</b> € 26'49		evening set	6740 Mar 04 05:16	29° <b>∺</b> 07'42	
min. Earth dist.	6733 Sep 03 07:22		31.54749 AU				
opposition	6733 Sep 05 01:06	17° <b>∺</b> 09'38	2°28'43	conjunction	6740 Mar 19 11:00	29° <b>₩</b> 37'57	
direct	6733 Nov 24 18:28	15° <b>米</b> 51′29		minimum elong	6740 Mar 19 10:57	29° <b>∺</b> 37'56	
evening set	6734 Feb 21 11:46	17° <b>)</b> 37′42		max. Earth dist.	6740 Mar 21 14:38	29° <b>)</b> 42′15	35.04447 AU
					6740 Mar 30 12:29	$0$ ° $\Upsilon$	
conjunction	6734 Mar 08 16:44	18° <b>₩</b> 09'19	2°02'29	morning rise	6740 Apr 03 16:28	0° <b>Υ</b> 08'10	
minimum elong	6734 Mar 08 16:48	18° <b>₩</b> 09'20	2°02'29	retrograde	6740 Jun 30 05:50	1° <b>Ƴ</b> 48'17	
max. Earth dist.	6734 Mar 10 11:31	18° <b>₩</b> 13'03	33.65460 AU	min. Earth dist.	6740 Sep 16 11:27	0° <b>Ƴ</b> 36'42	33.16522 AU
morning rise	6734 Mar 23 21:00	18° <b>)</b> 40′53		opposition	6740 Sep 18 16:59	0° <b>Υ</b> 33'28	-1°39'08
retrograde	6734 Jun 19 16:50	20° <b>)</b> €26'08		rr	6740 Oct 12 13:52	30° <b>₽</b> ₩	
min. Earth dist.	6734 Sep 05 13:54		31.76317 AU	direct	6740 Dec 08 15:44	29° <b>₩</b> 18'10	
opposition	6734 Sep 07 08:53	19° <b>米</b> 09′16		direct	6741 Feb 01 03:33	0°Υ	
direct	6734 Nov 27 03:41	17° <b>X</b> 51'30	1 3137	evening set	6741 Mar 06 07:45	0° <b>Υ</b> 57'32	
				evening set	0/41 Mai 00 07.43	0 13/32	
evening set	6735 Feb 23 15:02	19° <b>)</b> 36′34			(741 M 21 12 05	100007106	1040110
	(505) ( 10 01 04	2001/00/02	1000100	conjunction	6741 Mar 21 12:05	1° <b>Υ</b> 27'26	
conjunction	6735 Mar 10 21:24	20° <b>₩</b> 08'03	1°28'08	minimum elong	6741 Mar 21 12:01	1° <b>Y</b> ′27′26	
minimum elong	6735 Mar 10 21:28	20° <b>₩</b> 08'03	1°28'08	max. Earth dist.	6741 Mar 23 17:36		35.28803 AU
max. Earth dist.	6735 Mar 12 17:46		33.87407 AU	morning rise	6741 Apr 05 16:03	1° <b>Ƴ</b> 57'19	
morning rise	6735 Mar 26 03:05	20° <b>∺</b> 39'29		retrograde	6741 Jul 02 06:26	3° <b>Ƴ</b> 36'45	
retrograde	6735 Jun 21 19:16	22° <b>∺</b> 23'44		min. Earth dist.	6741 Sep 18 14:42	2° <b>Y</b> 25'28	33.41034 AU
min. Earth dist.	6735 Sep 07 18:09	21° <b>ℋ</b> 10′02	31.98486 AU	opposition	6741 Sep 20 20:16	2° <b>Y</b> 22'15	-2°12'25
opposition	6735 Sep 09 15:42	21° <b>)</b> 07'11	1°15'36	direct	6741 Dec 10 19:12	1° <b>Y</b> 07'21	
direct	6735 Nov 29 13:02	19° <b>)</b> 49′50		evening set	6742 Mar 08 10:03	2° <b>Y</b> 45'56	
evening set	6736 Feb 25 18:14	21° <b>)</b> 33′48		Č			
Ü				conjunction	6742 Mar 23 12:32	3° <b>Y</b> 15'27	-2°20'28
conjunction	6736 Mar 12 01:22	22° <b>₩</b> 05'07	0°54'08	minimum elong	6742 Mar 23 12:27	3°Υ15'27	
minimum elong	6736 Mar 12 01:24	22° <b>H</b> 05'07	0°54'08	max. Earth dist.	6742 Mar 25 18:27		35.53325 AU
max. Earth dist.	6736 Mar 13 23:26		34.09920 AU	morning rise	6742 Apr 07 14:42	3° <b>Υ</b> 44'58	33.33323 AO
		22°\(\frac{1}{1}\)36'23	34.09920 AU	•	•	5° <b>Υ</b> 23'44	
morning rise	6736 Mar 27 08:02			retrograde	6742 Jul 04 06:11		33.65684 AU
retrograde	6736 Jun 22 21:42	24° <b>)</b> 19'41	22 212 12 1 7 7	min. Earth dist.	6742 Sep 20 15:33	-	
min. Earth dist.	6736 Sep 08 22:51		32.21243 AU	opposition	6742 Sep 22 22:50	4° <b>Y</b> ′09'32	-2°45'05
opposition	6736 Sep 10 22:08	23° <b>₭</b> 03'29	0°39'39	direct	6742 Dec 13 00:45	2° <b>Y</b> 55'00	
direct	6736 Nov 30 19:54	21° <b>)</b> 46′33		evening set	6743 Mar 10 12:16	4° <b>Ƴ</b> 32'50	
evening set	6737 Feb 26 21:00	23° <b>∺</b> 29′29					
				conjunction	6743 Mar 25 12:23	5° <b>Ƴ</b> 01'58	-2°51'04
conjunction	6737 Mar 14 04:40	24° <b>₭</b> 00'36	0°20'32	minimum elong	6743 Mar 25 12:17	5° <b>Ƴ</b> 01'57	2°51'04
minimum elong	6737 Mar 14 04:41	24° <b>₩</b> 00'36	0°20'33	max. Earth dist.	6743 Mar 27 19:13	5° <b>Y</b> 06′26	35.77948 AU
max. Earth dist.	6737 Mar 16 05:01	24° <b>)</b> €04'43	34.32966 AU	morning rise	6743 Apr 09 12:24	5° <b>Ƴ</b> 31′05	
morning rise	6737 Mar 29 11:37	24° <b>)</b> 31'39		retrograde	6743 Jul 06 05:20	7° <b>Ƴ</b> 09'14	
retrograde	6737 Jun 24 22:34	26° <b>∺</b> 14'05		min. Earth dist.	6743 Sep 22 16:56	5° <b>Ƴ</b> 58'39	33.90466 AU
min. Earth dist.	6737 Sep 11 03:07	25° <b>₩</b> 01'14	32.44495 AU	opposition	6743 Sep 25 00:51	5° <b>Ƴ</b> 55'19	-3°17'07
opposition	6737 Sep 13 03:49	24° <b>)</b> 58'14		direct	6743 Dec 15 04:03	4° <b>Υ</b> 41'08	
desc. node	6737 Oct 26 13:26	24° <b>)</b> €01'18		evening set	6744 Mar 11 14:08	6° <b>Ƴ</b> 18'16	
direct	6737 Dec 03 03:13	23° <b>)</b> 41′43		Č			
evening set	6738 Feb 28 23:58	25° <b>)</b> €23'41		conjunction	6744 Mar 26 11:45	6° <b>Ƴ</b> 46'58	-3°21'05
evening set	0750100 20 25.50	23 /(23 41		minimum elong	6744 Mar 26 11:38	6° <b>Υ</b> 46'57	
conjunction	6738 Mar 16 07:21	25° <b>¥</b> 54'32	0012142	max. Earth dist.	6744 Mar 28 19:50		36.02699 AU
·						7° <b>Υ</b> 15'39	30.02099 AU
minimum elong	6738 Mar 16 07:20	25° <b>¥</b> 54'32	0-12-42	morning rise	6744 Apr 10 09:02		
behind sun begin	6738 Mar 16 03:14	25° <b>)</b> 54'12		retrograde	6744 Jul 07 02:04	8° <b>℃</b> 53'13	
behind sun end	6738 Mar 16 11:27	25° <b>)</b> 54′52		min. Earth dist.	6744 Sep 23 17:33		34.15382 AU
max. Earth dist.	6738 Mar 18 08:27		34.56450 AU	opposition	6744 Sep 26 02:16	7° <b>Ƴ</b> 39'35	-3°48'30
morning rise	6738 Mar 31 14:24	26° <b>∺</b> 25'22		direct	6744 Dec 16 08:00	6° <b>Y</b> 25'44	
retrograde	6738 Jun 27 01:41	28° <b>∺</b> 06'58		evening set	6745 Mar 13 15:45	8° <b>Ƴ</b> 02'12	
min. Earth dist.	6738 Sep 13 05:48	26° <b>)</b> 54'35	32.68187 AU				
opposition	6738 Sep 15 08:41	26° <b>¥</b> 51′28	-0°30'49	conjunction	6745 Mar 28 10:13	8° <b>Y</b> 30'26	-3°50'30
direct	6738 Dec 05 07:29	25° <b>)</b> 35′22		minimum elong	6745 Mar 28 10:05	8° <b>Y</b> '30'26	3°50'30
evening set	6739 Mar 03 02:38	27° <b>)</b> 16′24		max. Earth dist.	6745 Mar 30 18:36		36.27590 AU
<i>3</i>				morning rise	6745 Apr 12 04:45	8° <b>Υ</b> 58'42	
conjunction	6739 Mar 18 09:34	27° <b>)</b> 46′59	-0°45'24	retrograde	6745 Jul 09 00:12	10° <b>Υ</b> 35'43	
minimum elong	6739 Mar 18 09:33	27° <b>H</b> 46'58		min. Earth dist.	6745 Sep 25 16:39		34.40495 AU
=						9° <b>Υ</b> 22'22	
max. Earth dist.	6739 Mar 20 13:03		34.80305 AU	opposition	6745 Sep 28 03:04		-4 1714
morning rise	6739 Apr 02 15:55	28° <b>∺</b> 17'31		direct	6745 Dec 18 08:33	8° <b>Ƴ</b> 08'50	

evening set	6746 Mar 15 17:06	9° <b>Υ'</b> 44'40	min. Earth dist.	6752 Oct 07 00:16	20° <b>Y</b> ′50′18 36.21777 AU
C			opposition	6752 Oct 09 17:12	20° <b>Y</b> 46'37 -7°34'52
conjunction	6746 Mar 30 08:23	10° <b>Y</b> 12'27 -4°19'19		6752 Dec 30 02:05	19° <b>Ƴ</b> '35'39
minimum elong	6746 Mar 30 08:15	10° <b>Y</b> 12'27 4°19'20	0 evening set	6753 Mar 27 21:36	21° <b>Y</b> ′08'26
max. Earth dist.	6746 Apr 01 18:56	10° <b>Υ</b> 17'08 36.5268	81 AU		
morning rise	6746 Apr 13 23:28	10° <b>Ƴ</b> 40'14	conjunction	6753 Apr 10 05:05	21° <b>Y</b> '32'33 -7°23'09
retrograde	6746 Jul 10 21:08	12° <b>Ƴ</b> 16'47	minimum elong	6753 Apr 10 04:53	21° <b>Y</b> '32'32 7°23'10
min. Earth dist.	6746 Sep 27 16:29	11° <b>Υ</b> 07'08 34.6583	30 AU max. Earth dist.	6753 Apr 12 21:25	21° <b>Υ</b> '37'27 38.33229 AU
opposition	6746 Sep 30 03:08	11° <b>Υ</b> 03'42 -4°49'1'	7 morning rise	6753 Apr 23 12:41	21° <b>Y</b> ′56'41
direct	6746 Dec 20 09:00	9° <b>Ƴ</b> 50'31	retrograde	6753 Jul 21 16:32	23° <b>Y</b> '30'56
evening set	6747 Mar 17 18:24	11° <b>Y</b> 25'48	min. Earth dist.	6753 Oct 08 21:44	22° <b>Y</b> 23'41 36.47883 AU
			opposition	6753 Oct 11 13:58	22° <b>Y</b> '20'03 -8°00'01
conjunction	6747 Apr 01 05:53	11° <b>Υ</b> 53'06 -4°47'30	0 direct	6753 Dec 31 22:49	21° <b>Y</b> ′09'26
minimum elong	6747 Apr 01 05:43	11° <b>Υ</b> 53'05 4°47'30	0 evening set	6754 Mar 29 21:46	22° <b>Y</b> '41'54
max. Earth dist.	6747 Apr 03 16:31	11° <b>Υ</b> '57'44 36.7800	04 AU		
morning rise	6747 Apr 15 17:26	12° <b>Ƴ</b> 20′24	conjunction	6754 Apr 11 23:34	23° <b>Y</b> ′05'26 -7°46'51
retrograde	6747 Jul 12 19:55	13° <b>Y</b> ′56′30	minimum elong	6754 Apr 11 23:22	23° <b>Y</b> ′05'25 7°46'53
min. Earth dist.	6747 Sep 29 13:44	12° <b>Y</b> 47′16 34.9141	15 AU max. Earth dist.	6754 Apr 14 15:09	23° <b>Υ</b> 10'15 38.59076 AU
opposition	6747 Oct 02 02:42	12° <b>Y</b> 43'43 -5°18'38	8 morning rise	6754 Apr 25 01:39	23° <b>Y</b> ′29'00
direct	6747 Dec 22 07:13	11° <b>Ƴ</b> 30′54	retrograde	6754 Jul 23 12:20	25° <b>Y</b> ′03′02
evening set	6748 Mar 18 19:17	13° <b>Y</b> 05′39	min. Earth dist.	6754 Oct 10 16:32	23° <b>Υ</b> ′56'06 36.73846 AU
			opposition	6754 Oct 13 10:00	23° <b>Y</b> ′52'26 -8°24'30
conjunction	6748 Apr 02 02:49	13° <b>Y</b> 32'27 -5°15'03		6755 Jan 02 18:04	22° <b>Y</b> '42'07
minimum elong	6748 Apr 02 02:39	13° <b>Y</b> 32′26 5°15′0∶	5 evening set	6755 Mar 31 21:41	24° <b>Ƴ</b> 14'18
max. Earth dist.	6748 Apr 04 15:24	13° <b>Y</b> 37'13 37.0355	58 AU		
morning rise	6748 Apr 16 10:23	13° <b>Ƴ</b> 59'16	conjunction	6755 Apr 13 17:42	24° <b>Ƴ</b> '37'15 -8°09'56
retrograde	6748 Jul 13 16:56	15° <b>Ƴ</b> 34'58	minimum elong	6755 Apr 13 17:30	24° <b>Y</b> '37'14 8°09'57
min. Earth dist.	6748 Sep 30 12:48	$14^{\circ}$ <b>Y</b> 26'02 35.1723		6755 Apr 16 10:01	24° <b>Y</b> 42'04 38.84751 AU
opposition	6748 Oct 03 01:55	14° <b>Y</b> 22'30 -5°47'1′	7 morning rise	6755 Apr 26 14:01	25° <b>Y</b> 00′15
direct	6748 Dec 23 07:02	13° <b>Y</b> 10′03	retrograde	6755 Jul 25 07:25	26° <b>Ƴ</b> 34'03
evening set	6749 Mar 20 20:05	14° <b>Ƴ</b> 44′20	min. Earth dist.	6755 Oct 12 13:07	25° <b>Y</b> 27'19 36.99641 AU
			opposition	6755 Oct 15 05:56	25° <b>Y</b> 23'42 -8°48'18
conjunction	6749 Apr 03 23:22	15° <b>Y</b> 10'37 -5°41'58		6756 Jan 04 13:47	24° <b>Ƴ</b> 13'41
minimum elong	6749 Apr 03 23:12	15° <b>Y</b> 10'37 5°41'58	C	6756 Apr 01 21:14	25° <b>Y</b> 45'35
max. Earth dist.	6749 Apr 06 12:29	15° <b>Y</b> 15′24 37.2932			
morning rise	6749 Apr 18 02:40	15° <b>Y</b> 36'55	conjunction	6756 Apr 14 11:16	26° <b>Y</b> 07'57 -8°32'23
retrograde	6749 Jul 15 13:32	17° <b>Y</b> 12'15	minimum elong	6756 Apr 14 11:03	26° <b>Y</b> 07'56 8°32'25
min. Earth dist.	6749 Oct 02 09:36	16° <b>Y</b> 03'44 35.432⁴		6756 Apr 17 03:36	26° <b>Y</b> 12'44 39.10263 AU
opposition	6749 Oct 05 00:20	16° <b>Υ</b> '00'07 -6°15'14	_	6756 Apr 27 01:27	26° <b>Y</b> 30′20
direct	6749 Dec 25 07:04	14° <b>Y</b> 48′02	retrograde	6756 Jul 26 00:18	28° <b>Y</b> 03'56
evening set	6750 Mar 22 20:43	16° <b>Ƴ</b> 21'55	min. Earth dist.	6756 Oct 13 07:50	26° <b>Y</b> 57'28 37.25268 AU
			opposition	6756 Oct 16 01:15	26° <b>Y</b> 53'50 -9°11'27
conjunction	6750 Apr 05 19:22	16° <b>Υ</b> 47'41 -6°08'14		6757 Jan 05 10:32	25° <b>Y</b> 44'05
minimum elong	6750 Apr 05 19:11	16° <b>Υ</b> 47'40 6°08'10	•	6757 Apr 03 20:43	27° <b>Y</b> 15'43
max. Earth dist.	6750 Apr 08 09:23	16° <b>Υ</b> '52'29 37.5524		(555 ) 16 04 00	2500025120 005412
morning rise	6750 Apr 19 18:17	17° <b>Υ</b> 13'28	conjunction	6757 Apr 16 04:22	27° <b>Y</b> 37'29 -8°54'13
retrograde	6750 Jul 17 09:46	18° <b>Υ</b> 48'29	minimum elong	6757 Apr 16 04:10	27° <b>Y</b> '37'28 8°54'14
min. Earth dist.	6750 Oct 04 07:04	17° <b>Υ</b> 40'17 35.6939		6757 Apr 18 20:41	27° <b>Υ</b> 42'14 39.35621 AU 27° <b>Υ</b> 59'16
opposition	6750 Oct 06 22:28	17° <b>Υ</b> 36'39 -6°42'29	•	6757 Apr 28 12:29	
direct	6750 Dec 27 05:27	16° <b>Y</b> 24'58	retrograde	6757 Jul 27 16:39	29° <b>Υ</b> 32'41
evening set	6751 Mar 24 21:06	17° <b>Ƴ</b> 58′27	min. Earth dist.	6757 Oct 15 02:16	28° <b>Y</b> 26'27 37.50795 AU
. ,.	(751 A 07 15 02	1000000140 (00015)	opposition	6757 Oct 17 20:06	28° <b>Y</b> ′22'48 -9°33'55
conjunction	6751 Apr 07 15:03	18° <b>Υ</b> ′23'40 -6°33'5		6758 Jan 07 06:05	27° <b>Υ</b> 13'19
minimum elong	6751 Apr 07 14:52	18° <b>Υ</b> 23'39 6°33'52	C	6758 Apr 05 19:51	28° <b>Ƴ</b> 44'43
max. Earth dist.	6751 Apr 10 06:17	18° <b>Y</b> 28'32 37.8124 18° <b>Y</b> 48'55		6750 A 17 21 11	29° <b>Y</b> ′05'52 -9°15'25
morning rise	6751 Apr 21 08:59		conjunction	6758 Apr 17 21:11	
retrograde	6751 Jul 19 02:32	20° <b>Y</b> 23'39	minimum elong	6758 Apr 17 20:58	29° <b>Y</b> 05'51 9°15'28
min. Earth dist.	6751 Oct 06 04:16	19° <b>Y</b> 15'47 35.9558 19° <b>Y</b> 12'09 -7°09'0		6758 Apr 20 14:44	29° <b>Υ</b> 10'41 39.60900 AU 29° <b>Υ</b> 27'03
opposition	6751 Oct 08 20:00 6751 Dec 29 05:21	19° <b>γ</b> 12'09 -/°09'0 18° <b>Υ</b> 00'50	1 morning rise	6758 Apr 29 22:40	0° <b>8</b>
direct	6751 Dec 29 05:21 6752 Mar 25 21:32	18° <b>γ</b> ′00′50 19° <b>γ</b> ′33′57	ratragrada	6758 May 19 19:47 6758 Jul 29 05:49	0° <b>ろ</b> 1° <b>ろ</b> 00'18
evening set	0/32 IVIAI 23 21:32	17   333/	retrograde		<del>-</del>
aaming-ti	6752 A 00 10 12	100000000	ni E. 4 114	6758 Oct 12 12:36	30°R <b>Υ</b> 29° <b>Υ</b> 54'16 37.76249 AU
conjunction	6752 Apr 08 10:13	19° <b>Y</b> 58'37 -6°58'4' 19° <b>Y</b> 58'36 6°58'5		6758 Oct 16 20:49	29° <b>Υ</b> '50'38 -9°55'42
minimum elong	6752 Apr 11 01:05	19°°γ′38′36 6°58′3 20° <b>°</b> γ′03′26 38.0726	11	6758 Oct 19 14:30	28° <b>Y</b> 41'26
max. Earth dist.	6752 Apr 11 01:05		62 AU direct	6759 Jan 09 03:47	
morning rise	6752 Apr 21 23:15 6752 Jul 19 22:02	20° <b>Ƴ</b> 23'19 21° <b>Ƴ</b> 57'48	avanine+	6759 Mar 31 09:02	0° <b>と</b> 0° <b>と</b> 12'37
retrograde	0/34 Jul 19 44:04	41 13/40	evening set	6759 Apr 07 18:55	0 0123/

agniumation	6759 Apr 19 13:23	0° <b>8</b> 33'09	0026100	direct	6766 Jan 19 03:00	8° <b>8</b> 32'54	
conjunction	1					_	
minimum elong	6759 Apr 19 13:10		9°36'02	evening set	6766 Apr 19 08:02	10° <b>8</b> 03'30	
max. Earth dist.	6759 Apr 22 06:21		39.86131 AU		(7.66 ) 20 20 21	1001 11012	11040150
morning rise	6759 May 01 08:17	0° <b>8</b> 53'43		conjunction	6766 Apr 28 22:21	10° <b>8</b> 19'36	
retrograde	6759 Jul 30 22:37	2° <b>8</b> 26'51		minimum elong	6766 Apr 28 22:09	10° <b>8</b> 19'35	
min. Earth dist.	6759 Oct 18 13:20		38.01685 AU	max. Earth dist.	6766 May 01 16:26	_	41.60518 AU
opposition	6759 Oct 21 08:28	1° <b>8</b> 17'26	-10°16'49	morning rise	6766 May 08 12:58	10° <b>8</b> 35'45	
direct	6760 Jan 10 21:23	0° <b>8</b> 08'30		retrograde	6766 Aug 09 09:19	12° <b>8</b> 08'48	
evening set	6760 Apr 08 17:41	1° <b>8</b> 39'30		min. Earth dist.	6766 Oct 28 08:28	11° <b>8</b> 04'48	39.76948 AU
				opposition	6766 Oct 31 04:01	11° <b>8</b> 01'13	-12°26'35
conjunction	6760 Apr 20 05:24	1° <b>8</b> 59'25	-9°55'57	direct	6767 Jan 20 16:52	9° <b>8</b> 54'20	
minimum elong	6760 Apr 20 05:10	1° <b>8</b> 59'24	9°55'59	evening set	6767 Apr 21 06:03	11° <b>8</b> 24'56	
max. Earth dist.	6760 Apr 22 23:48	2° <b>8</b> 04'14	40.11349 AU				
morning rise	6760 May 01 17:23	2° <b>8</b> 19'22		conjunction	6767 Apr 30 12:11	11° <b>8</b> 40'23	-11°58'51
retrograde	6760 Jul 31 14:50	3° <b>8</b> 52'25		minimum elong	6767 Apr 30 11:59	11° <b>8</b> 40'23	11°58'54
min. Earth dist.	6760 Oct 19 07:38	2° <b>8</b> 46'53	38.27108 AU	max. Earth dist.	6767 May 03 06:29	11° <b>8</b> 45'01	41.84491 AU
opposition	6760 Oct 22 02:10	2° <b>8</b> 43'14		morning rise	6767 May 09 18:35	11° <b>8</b> 55'52	
direct	6761 Jan 11 14:56	1° <b>8</b> 34'36	10 57 10	retrograde	6767 Aug 10 23:55	13° <b>8</b> 28'59	
evening set	6761 Apr 10 16:20	3° <b>8</b> 05'27		min. Earth dist.	6767 Oct 30 01:07	_	40.00951 AU
evening set	0701 Apr 10 10.20	3 00327		opposition	6767 Nov 01 19:19	12° <b>8</b> 21'37	
agniumation	6761 Apr. 21 20:56	3° <b>8</b> 24'45	10015117	direct	6768 Jan 22 07:18	11° <b>8</b> 15'00	-12 42 43
conjunction	6761 Apr 21 20:56	· ·	10°15'19				
minimum elong	6761 Apr 21 20:44	T.		evening set	6768 Apr 22 04:11	12° <b>8</b> 45'37	
max. Earth dist.	6761 Apr 24 15:08		40.36551 AU				
morning rise	6761 May 03 01:49	3° <b>8</b> 44'05		conjunction	6768 May 01 01:49	13° <b>8</b> 00'24	
retrograde	6761 Aug 02 07:19	5° <b>8</b> 17'03		minimum elong	6768 May 01 01:37	13° <b>8</b> 00'23	
min. Earth dist.	6761 Oct 20 23:29		38.52485 AU	max. Earth dist.	6768 May 03 19:42	_	42.08122 AU
opposition	6761 Oct 23 19:18	4° <b>8</b> 08'09	-10°57'03	morning rise	6768 May 09 23:35	13° <b>8</b> 15'13	
direct	6762 Jan 13 07:18	2° <b>8</b> 59'48		retrograde	6768 Aug 11 12:41	14° <b>8</b> 48'23	
evening set	6762 Apr 12 14:51	4° <b>8</b> 30'33		min. Earth dist.	6768 Oct 30 15:41	13° <b>8</b> 44'44	40.24601 AU
				opposition	6768 Nov 02 10:05	13° <b>8</b> 41'14	-12°58'19
conjunction	6762 Apr 23 12:11	4° <b>8</b> 49'14	-10°34'00	direct	6769 Jan 22 22:47	12° <b>8</b> 34'50	
minimum elong	6762 Apr 23 11:57	4° <b>8</b> 49'13	10°34'01	evening set	6769 Apr 24 02:01	14° <b>8</b> 05'28	
max. Earth dist.	6762 Apr 26 06:50	4° <b>8</b> 54'01	40.61680 AU				
morning rise	6762 May 04 09:55	5° <b>8</b> 07'56		conjunction	6769 May 02 14:54	14° <b>8</b> 19'35	-12°28'59
retrograde	6762 Aug 03 23:41	6° <b>8</b> 40'52		minimum elong	6769 May 02 14:43	14° <b>8</b> 19'35	
min. Earth dist.	6762 Oct 22 16:32		38.77784 AU	max. Earth dist.	6769 May 05 08:06	_	42.31417 AU
opposition	6762 Oct 25 12:05	5° <b>8</b> 32'14		morning rise	6769 May 11 04:05	14° <b>8</b> 33'43	
direct	6763 Jan 14 23:10	4° <b>8</b> 24'12	11 10 11	morning rise	6769 May 27 14:49	15° <b>8</b>	
evening set	6763 Apr 14 13:15	5° <b>8</b> 54'52		retrograde	6769 Aug 13 01:26	16° <b>8</b> 06'58	
evening set	0703 Apr 14 13.13	3 03432		min. Earth dist.	6769 Nov 01 06:23		40.47958 AU
agniumation	6763 Apr 25 03:13	6° <b>8</b> 12'55	10052106			15° <b>8</b> 00'00	
conjunction				opposition	6769 Nov 04 00:35	_	-13 13 21
minimum elong	6763 Apr 25 03:01	6° <b>8</b> 12'54		1.	6769 Nov 04 00:36	15°R <b>8</b>	
max. Earth dist.	6763 Apr 27 22:24	_	40.86711 AU	direct	6770 Jan 24 13:36	13° <b>8</b> 53'49	
morning rise	6763 May 05 17:21	6° <b>8</b> 30'59			6770 Apr 10 14:24	15° <b>8</b>	
retrograde	6763 Aug 05 12:59	8° <b>8</b> 03'55		evening set	6770 Apr 25 23:52	15° <b>8</b> 24'31	
min. Earth dist.	6763 Oct 24 09:01		39.02935 AU				
opposition	6763 Oct 27 04:34	6° <b>8</b> 55'33	-11°34'41	conjunction	6770 May 04 03:53	15° <b>8</b> 37'56	
direct	6764 Jan 16 17:23	5° <b>8</b> 47'49		minimum elong	6770 May 04 03:42	15° <b>8</b> 37'56	
evening set	6764 Apr 15 11:30	7° <b>8</b> 18'27		max. Earth dist.	6770 May 06 21:47	15° <b>8</b> 42'28	42.54450 AU
				morning rise	6770 May 12 07:59	15° <b>8</b> 51'22	
conjunction	6764 Apr 25 17:41	7° <b>8</b> 35'51	-11°09'38	retrograde	6770 Aug 14 11:24	17° <b>8</b> 24'44	
minimum elong	6764 Apr 25 17:28	7° <b>8</b> 35'50	11°09'40	min. Earth dist.	6770 Nov 02 21:05	16° <b>8</b> 21'24	40.71065 AU
max. Earth dist.	6764 Apr 28 12:09	7° <b>8</b> 40'35	41.11564 AU	opposition	6770 Nov 05 14:32	16° <b>8</b> 17'57	-13°27'49
morning rise	6764 May 06 00:17	7° <b>8</b> 53'17		direct	6771 Jan 26 06:16	15° <b>8</b> 11'59	
retrograde	6764 Aug 06 03:29	9° <b>8</b> 26'15		evening set	6771 Apr 27 21:43	16° <b>8</b> 42'45	
min. Earth dist.	6764 Oct 25 00:45		39.27897 AU	<b>3</b>	r		
opposition	6764 Oct 27 20:48	8° <b>8</b> 18'09		conjunction	6771 May 05 16:22	16° <b>8</b> 55'29	-12°57'01
direct	6765 Jan 17 09:48	7° <b>8</b> 10'43	-1 0200	minimum elong	6771 May 05 16:10	16° <b>8</b> 55'28	
evening set	6765 Apr 17 09:43	8° <b>8</b> 41'20		max. Earth dist.	6771 May 08 09:15		42.77277 AU
evening set	0702 Apr 17 03.43	0 041 20				10 <b>8</b> 3933	72.11211 AU
agniumation	6765 A 27 00.12	00 <b>2</b> 5010 5	11026125	morning rise	6771 May 13 11:12		
conjunction	6765 Apr 27 08:12	8° <b>8</b> 58'05		retrograde	6771 Aug 15 23:51	18° <b>8</b> 41'42	40.02000 433
minimum elong	6765 Apr 27 08:00	8° <b>8</b> 58'04		min. Earth dist.	6771 Nov 04 09:54		40.93999 AU
max. Earth dist.	6765 Apr 30 03:39		41.36188 AU	opposition	6771 Nov 07 04:18	17° <b>8</b> 35'07	-15~41'44
morning rise	6765 May 07 06:53	9° <b>8</b> 14'52		direct	6772 Jan 27 20:51	16° <b>8</b> 29'22	
retrograde	6765 Aug 07 17:08	10° <b>8</b> 47'53		evening set	6772 Apr 28 19:19	18° <b>8</b> 00'14	
min. Earth dist.	6765 Oct 26 17:43		39.52586 AU				
opposition	6765 Oct 29 12:34	9° <b>8</b> 40'02	-12°09'52	conjunction	6772 May 06 04:33	18° <b>8</b> 12'15	-13°10'14

minimum elong	6772 May 06 04:23	18° <b>8</b> 12'14	13°10'16	evening set	6779 May 11 10:44	26° <b>8</b> 45'37	
max. Earth dist.	6772 May 08 22:27	18° <b>8</b> 16'44	42.99940 AU				
morning rise	6772 May 13 13:54	18° <b>8</b> 24'17		conjunction	6779 May 15 11:56	26° <b>8</b> 51'59	-14°28'43
retrograde	6772 Aug 16 13:49	19° <b>8</b> 57'56		minimum elong	6779 May 15 11:47	26° <b>8</b> 51'59	14°28'46
min. Earth dist.	6772 Nov 05 00:26	18° <b>8</b> 54'57	41.16772 AU	max. Earth dist.	6779 May 18 03:13	26° <b>8</b> 56'09	44.52462 AU
opposition	6772 Nov 07 17:53	18° <b>8</b> 51'32		morning rise	6779 May 19 13:02	26° <b>8</b> 58'22	
direct	6773 Jan 28 09:55	17° <b>8</b> 46'01	15 00 00	retrograde	6779 Aug 25 23:21	28° <b>8</b> 34'11	
evening set	6773 Apr 30 17:15	19° <b>8</b> 17'02		min. Earth dist.	6779 Nov 14 17:40		42.69406 AU
evening set	07/3 Apr 30 17.13	19 01/02					
				opposition	6779 Nov 17 08:34	27° <b>8</b> 29'14	-13-14-01
conjunction	6773 May 07 16:35	19° <b>8</b> 28'19		direct	6780 Feb 06 22:46	26° <b>8</b> 25'15	
minimum elong	6773 May 07 16:25	19° <b>8</b> 28'18	13°22'58	evening set	6780 May 12 12:57	27° <b>8</b> 58'34	
max. Earth dist.	6773 May 10 10:01	19° <b>8</b> 32'45	43.22458 AU				
morning rise	6773 May 14 16:00	19° <b>8</b> 39'38		conjunction	6780 May 15 22:28	28° <b>8</b> 03'54	-14°38'07
retrograde	6773 Aug 18 02:59	21° <b>8</b> 13'27		minimum elong	6780 May 15 22:21	28° <b>8</b> 03'53	14°38'10
min. Earth dist.	6773 Nov 06 12:39	20° <b>8</b> 10'43	41.39378 AU	morning rise	6780 May 19 07:52	28° <b>8</b> 09'13	
opposition	6773 Nov 09 06:51	20° <b>8</b> 07'17		max. Earth dist.	6780 May 18 13:30	28° <b>8</b> 08'01	44.72845 AU
direct	6774 Jan 29 21:13	19° <b>8</b> 01'59	1.0,00	retrograde	6780 Aug 26 08:02	29° <b>8</b> 45'37	,20.0110
	6774 May 02 15:08	20° <b>8</b> 33'10		min. Earth dist.	6780 Nov 15 05:34		42.89710 AU
evening set	07/4 May 02 13.06	20 033 10					
				opposition	6780 Nov 17 19:57	28° <b>8</b> 40'49	-15°23'25
conjunction	6774 May 09 04:18	20° <b>8</b> 43'44		direct	6781 Feb 07 11:29	27° <b>8</b> 37'00	
minimum elong	6774 May 09 04:08	20° <b>8</b> 43'43		evening set	6781 May 14 17:53	29° <b>8</b> 11'03	
max. Earth dist.	6774 May 11 21:29	20° <b>8</b> 48'06	43.44798 AU				
morning rise	6774 May 15 17:36	20° <b>8</b> 54'17		conjunction	6781 May 17 08:42	29° <b>8</b> 15'09	-14°47'05
retrograde	6774 Aug 19 15:11	22° <b>8</b> 28'21		minimum elong	6781 May 17 08:34	29° <b>8</b> 15'08	14°47'08
min. Earth dist.	6774 Nov 08 02:09	21° <b>8</b> 25'46	41.61804 AU	morning rise	6781 May 19 23:21	29° <b>8</b> 19'13	
opposition	6774 Nov 10 19:49	21° <b>8</b> 22'23	-14°20'09	max. Earth dist.	6781 May 19 22:14	29° <b>8</b> 19'09	44.92812 AU
direct	6775 Jan 31 09:24	20° <b>8</b> 17'19			6781 Jun 16 02:28	0°II	
evening set	6775 May 04 13:12	21° <b>8</b> 48'43		retrograde	6781 Aug 27 17:02	0° <b>П</b> 56'23	
evening set	0775 May 04 15.12	21 04043		retrograde	•	30°R <b>B</b>	
	(777.) ( ) ( ) ( ) ( )	010115000	10046145		6781 Nov 12 11:18		12 00 (20 177
conjunction	6775 May 10 15:47	21° <b>8</b> 58'32		min. Earth dist.	6781 Nov 16 16:52	_	43.09639 AU
minimum elong	6775 May 10 15:37	21° <b>8</b> 58'31		opposition	6781 Nov 19 06:58	29° <b>8</b> 51'44	-15°32'22
max. Earth dist.	6775 May 13 09:35	22° <b>8</b> 02'56	43.66944 AU	direct	6782 Feb 08 23:16	28° <b>8</b> 48'06	
morning rise	6775 May 16 18:20	22° <b>8</b> 08'19			6782 May 02 00:47	$\Pi$ $\circ 0$	
retrograde	6775 Aug 20 23:55	23° <b>8</b> 42'38		evening set	6782 May 17 06:16	0° <b>Ⅲ</b> 23'23	
min. Earth dist.	6775 Nov 09 15:12	22° <b>8</b> 40'15	41.83990 AU				
opposition	6775 Nov 12 08:27	22° <b>8</b> 36'53		conjunction	6782 May 18 18:47	0° <b>Ⅱ</b> 25'45	-14°55'37
direct	6776 Feb 01 23:52	21° <b>8</b> 32'03		minimum elong	6782 May 18 18:41	0° <b>Ⅱ</b> 25'45	14°55'41
evening set	6776 May 05 11:40	23° <b>8</b> 03'43		morning rise	6782 May 20 07:08	0° <b>П</b> 28'07	1.00.11
evening set	0770 Way 03 11.40	23 003 43		max. Earth dist.	6782 May 21 09:01		45.12430 AU
	(77( M 11 02 01	220 🗸 12144	12057156		•		43.12430 AU
conjunction	6776 May 11 03:01	23° <b>8</b> 12'44		retrograde	6782 Aug 29 01:04	2° <b>Ⅱ</b> 06'32	
minimum elong	6776 May 11 02:53	23° <b>8</b> 12'44		min. Earth dist.	6782 Nov 18 05:01		43.29238 AU
max. Earth dist.	6776 May 13 19:36		43.88839 AU	opposition	6782 Nov 20 17:51	1° <b>Ⅱ</b> 02'02	-15°40'53
morning rise	6776 May 16 18:28	23° <b>8</b> 21'45			6783 Jan 30 11:08	30° <b>₹</b> 8	
retrograde	6776 Aug 21 11:23	24° <b>8</b> 56'21		direct	6783 Feb 10 12:52	29° <b>8</b> 58'33	
min. Earth dist.	6776 Nov 10 03:14	23° <b>8</b> 54'11	42.05912 AU		6783 Feb 21 09:17	$\Pi$ $^{\circ}0$	
opposition	6776 Nov 12 20:50	23° <b>8</b> 50'49	-14°43'07				
direct	6777 Feb 02 12:17	22° <b>8</b> 46'13		conjunction	6783 May 20 04:24	1° <b>Ⅱ</b> 35'44	-15°03'44
evening set	6777 May 07 10:29	24° <b>8</b> 18'11		minimum elong	6783 May 20 04:18	1° <b>Ⅱ</b> 35'44	15°03'47
<i>5</i>				max. Earth dist.	6783 May 22 17:28		45.31766 AU
conjunction	6777 May 12 14:11	24° <b>8</b> 26'23	-14°08'30	retrograde	6783 Aug 30 11:42	3° <b>Ⅱ</b> 16′05	
minimum elong	6777 May 12 14:11	24° <b>8</b> 26'22		min. Earth dist.	6783 Nov 19 14:46		43.48578 AU
-	•						
max. Earth dist.	6777 May 15 07:18		44.10431 AU	opposition	6783 Nov 22 04:25	2° <b>Ⅱ</b> 11'44	-15°48'5/
morning rise	6777 May 17 17:49	24° <b>8</b> 34'35		direct	6784 Feb 11 23:17	1° <b>Ⅱ</b> 08′26	
retrograde	6777 Aug 22 21:39	26° <b>8</b> 09'32					
min. Earth dist.	6777 Nov 11 17:03	25° <b>8</b> 07'29	42.27487 AU	conjunction	6784 May 20 13:57	2° <b>Ⅱ</b> 45'10	-15°11'25
opposition	6777 Nov 14 09:01	25° <b>8</b> 04'12	-14°53'53	minimum elong	6784 May 20 13:51	2° <b>∏</b> 45′09	15°11'29
direct	6778 Feb 04 02:23	23° <b>8</b> 59'50		max. Earth dist.	6784 May 23 03:11	2° <b>Ⅱ</b> 49'05	45.50861 AU
evening set	6778 May 09 10:13	25° <b>8</b> 32'09		retrograde	6784 Aug 30 22:48	4° <b>Ⅱ</b> 25'05	
Č	•	-		min. Earth dist.	6784 Nov 20 02:26		43.67695 AU
conjunction	6778 May 14 01:10	25° <b>8</b> 39'28	-14°18'54	opposition	6784 Nov 22 14:51	3° <b>Ⅱ</b> 20'55	
minimum elong	6778 May 14 01:10	25° <b>8</b> 39'28		direct	6785 Feb 12 08:30	2° <b>Ⅱ</b> 17'48	10 0000
•	-			ancei	0700100 12 00.30	∠ ц1/40	
max. Earth dist.	6778 May 16 16:58		44.31658 AU		(705.) 5 01 02 05	2017 5 410 5	15010140
morning rise	6778 May 18 16:05	25° <b>8</b> 46'48		conjunction	6785 May 21 23:22	3° <b>Ⅱ</b> 54'06	
retrograde	6778 Aug 24 10:04	27° <b>8</b> 22'09		minimum elong	6785 May 21 23:17	3° <b>Ⅱ</b> 54'05	
min. Earth dist.	6778 Nov 13 04:31		42.48660 AU	max. Earth dist.	6785 May 24 12:33		45.69754 AU
opposition	6778 Nov 15 20:45	26° <b>8</b> 17'01	-15°04'10	retrograde	6785 Sep 01 08:18	5° <b>Ⅱ</b> 33'36	
direct	6779 Feb 05 13:25	25° <b>8</b> 12'50		min. Earth dist.	6785 Nov 21 12:16	4° <b>Ⅱ</b> 32'39	43.86580 AU

opposition	6785 Nov 24 00:53	4° <b>Ⅱ</b> 29'37 -16°03'43	conjunction	6794 Jun 01 04:46	13° <b>∏</b> 57'01 -16°06'26
direct	6786 Feb 13 17:05	3°П26'42	minimum elong	6794 Jun 01 04:43	13° <b>Д</b> 57'00 16°06'29
direct	0780 Feb 13 17.03	3 Д2042	max. Earth dist.	6794 Jun 03 11:42	13 <b>Π</b> 3700 10 00 29 14° <b>Π</b> 00'24 47.24857 AU
conjunction	6786 May 23 08:26	5° <b>П</b> 02'35 -15°25'29	retrograde	6794 Sep 11 11:41	15° <b>I</b> 33'15
minimum elong	6786 May 23 08:21	5°II02'35 -15°25'33	min. Earth dist.	6794 Dec 02 06:34	14° <b>I</b> I33'18 45.40715 AU
2	6786 May 25 20:35	5°П06'25 45.88411 AU		6794 Dec 02 06.34 6794 Dec 04 11:46	14 <b>П</b> 33 18 43.40/13 AU 14° <b>П</b> 30'42 -16°50'22
max. Earth dist.	,		11		14°Щ3042 -16°3022 13°Щ29'15
retrograde	6786 Sep 02 18:08	6° <b>Ⅱ</b> 41'43	direct	6795 Feb 24 07:45	13-Щ2915
min. Earth dist.	6786 Nov 22 22:25	5° <b>I</b> I40'55 44.05235 AU		(705 I 02 12 25	150\(\Pi\) 146 1600050
opposition	6786 Nov 25 10:45	5° <b>I</b> 37'55 -16°10'26	conjunction	6795 Jun 02 12:35	15° <b>Ⅱ</b> 01'46 -16°09'59
direct	6787 Feb 15 01:35	4° <b>Ⅱ</b> 35'11	minimum elong	6795 Jun 02 12:34	15° <b>Ⅲ</b> 01'46 16°10'03
			max. Earth dist.	6795 Jun 04 18:54	15° <b>I</b> 05'07 47.40005 AU
conjunction	6787 May 24 17:32	6° <b>Ⅱ</b> 10'42 -15°31'54	retrograde	6795 Sep 12 20:52	16° <b>Ⅲ</b> 37'39
minimum elong	6787 May 24 17:27	6° <b>Ⅱ</b> 10'41 15°31'57	min. Earth dist.	6795 Dec 03 14:32	15° <b>I</b> 37'49 45.55756 AU
max. Earth dist.	6787 May 27 06:18	6° <b>Ⅱ</b> 14'33 46.06831 AU	opposition	6795 Dec 05 19:59	15° <b>Ⅱ</b> 35'12 -16°53'45
retrograde	6787 Sep 04 00:19	7° <b>Ⅱ</b> 49'27	direct	6796 Feb 25 15:22	14° <b>Ⅱ</b> 33'53
min. Earth dist.	6787 Nov 24 09:15	6° <b>Ⅱ</b> 48'48 44.23613 AU			
opposition	6787 Nov 26 20:32	6° <b>Ⅱ</b> 45'51 -16°16'45	conjunction	6796 Jun 02 20:04	16° <b>Ⅲ</b> 06′02 -16°13′12
direct	6788 Feb 16 13:53	5° <b>Ⅱ</b> 43'19	minimum elong	6796 Jun 02 20:02	16° <b>Ⅲ</b> 06′02 16°13′15
			max. Earth dist.	6796 Jun 05 01:24	16° <b>Ⅲ</b> 09'18 47.54838 AU
conjunction	6788 May 25 02:15	7° <b>Ⅱ</b> 18'27 -15°37'54	retrograde	6796 Sep 13 06:50	17° <b>Ⅲ</b> 41'34
minimum elong	6788 May 25 02:10	7° <b>Ⅱ</b> 18'26 15°37'58	min. Earth dist.	6796 Dec 03 23:36	16° <b>耳</b> 41'48 45.70511 AU
max. Earth dist.	6788 May 27 13:37	7° <b>Ⅲ</b> 22'12 46.24964 AU	opposition	6796 Dec 06 04:10	16° <b>Ⅱ</b> 39'15 -16°56'46
retrograde	6788 Sep 04 09:27	8° <b>耳</b> 56′51	direct	6797 Feb 25 20:29	15° <b>Ⅲ</b> 38′03
min. Earth dist.	6788 Nov 24 18:32	7° <b>Ц</b> 56'23 44.41677 AU			
opposition	6788 Nov 27 06:05	7° <b>I</b> I53'26 -16°22'38	conjunction	6797 Jun 04 03:41	17° <b>Ⅱ</b> 09'52 -16°16'03
direct	6789 Feb 17 00:36	6° <b>Ц</b> 51'07	minimum elong	6797 Jun 04 03:40	17° <b>Д</b> 09'52 16°16'07
uncet	0707160 17 00.50	0 113107	max. Earth dist.	6797 Jun 06 09:23	17° <b>Д</b> 13'09 47.69398 AU
conjunction	6789 May 26 11:03	8° <b>Д</b> 25'52 -15°43'31	retrograde	6797 Sep 14 12:01	18° <b>I</b>  45'04
minimum elong	6789 May 26 11:00	8° <b>П</b> 25'52 15°43'35	min. Earth dist.	6797 Dec 05 08:06	17° <b>Ц</b> 45'23 45.84973 AU
max. Earth dist.	6789 May 28 22:23	8°П29'36 46.42744 AU		6797 Dec 03 08:00	17° <b>II</b> 42'53 -16°59'26
	•	8 <b>П</b> 2936 46.42744 AO 10° <b>П</b> 03'55	11		16° <b>II</b> 42 33 - 16 39 26
retrograde	6789 Sep 05 21:08		direct	6798 Feb 27 05:48	10°Щ41′48
min. Earth dist.	6789 Nov 26 05:42	9° <b>I</b> 03'33 44.59357 AU		6700 I 05 10 50	1001112110 16010124
opposition	6789 Nov 28 15:26	9° <b>Ⅱ</b> 00'42 -16°28'09	conjunction	6798 Jun 05 10:58	18° <b>Ⅲ</b> 13'19 -16°18'34
direct	6790 Feb 18 09:27	7° <b>Ⅱ</b> 58'34	minimum elong	6798 Jun 05 10:58	18° <b>Ⅲ</b> 13'19 16°18'37
		_	max. Earth dist.	6798 Jun 07 15:06	18° <b>Ⅱ</b> 16'29 47.83685 AU
conjunction	6790 May 27 19:48	9° <b>Ⅱ</b> 32'57 -15°48'47	retrograde	6798 Sep 15 17:49	19° <b>Ⅱ</b> 48'12
minimum elong	6790 May 27 19:43	9° <b>Ⅱ</b> 32'57 15°48'51	min. Earth dist.	6798 Dec 06 15:44	18° <b>Ⅱ</b> 48'40 45.99162 AU
max. Earth dist.	6790 May 30 06:13	9° <b>Ⅱ</b> 36'37 46.60121 AU	opposition	6798 Dec 08 19:41	18° <b>Ⅱ</b> 46′09 -17°01′44
retrograde	6790 Sep 07 06:23	11° <b>Ⅱ</b> 10′39	direct	6799 Feb 28 14:08	17° <b>Ⅱ</b> 45′13
min. Earth dist.	6790 Nov 27 15:04	10° <b>I</b> 10′26 44.76584 AU			
opposition	6790 Nov 30 00:36	10° <b>Ⅱ</b> 07'36 -16°33'17	conjunction	6799 Jun 06 18:04	19° <b>Ⅱ</b> 16′26 -16°20′44
direct	6791 Feb 19 17:14	9° <b>Ⅲ</b> 05'39	minimum elong	6799 Jun 06 18:05	19° <b>Ⅱ</b> 16′26 16°20′49
			max. Earth dist.	6799 Jun 08 22:32	19° <b>Ⅱ</b> 19'37 47.97679 AU
conjunction	6791 May 29 04:09	10° <b>Ⅲ</b> 39'40 -15°53'42	retrograde	6799 Sep 17 01:02	20° <b>Ⅲ</b> 51′03
minimum elong	6791 May 29 04:07	10° <b>Ⅲ</b> 39'40 15°53'46	min. Earth dist.	6799 Dec 08 01:06	19° <b>Ⅲ</b> 51'34 46.13036 AU
max. Earth dist.	6791 May 31 13:04	10° <b>Ⅱ</b> 43'13 46.77019 AU	opposition	6799 Dec 10 03:27	19° <b>Ⅱ</b> 49'08 -17°03'42
retrograde	6791 Sep 08 15:42	12° <b>Ⅲ</b> 17′00	direct	6800 Feb 29 23:29	18° <b>Ⅲ</b> 48′21
min. Earth dist.	6791 Nov 29 01:28	11° <b>Ⅱ</b> 16'52 44.93326 AU			
opposition	6791 Dec 01 09:49	11° <b>Ⅱ</b> 14'06 -16°38'04	conjunction	6800 Jun 07 01:14	20° <b>Ⅱ</b> 19'17 -16°22'35
direct	6792 Feb 21 00:43	10° <b>Ⅱ</b> 12'18	minimum elong	6800 Jun 07 01:15	20° <b>Ⅱ</b> 19'17 16°22'38
			max. Earth dist.	6800 Jun 09 04:45	20° <b>耳</b> 22′24 48.11362 AU
conjunction	6792 May 29 12:40	11° <b>Ⅱ</b> 45'57 -15°58'17	retrograde	6800 Sep 17 09:24	21° <b>I</b> I53'38
minimum elong	6792 May 29 12:37	11° <b>Ц</b> 45'57 15°58'20	min. Earth dist.	6800 Dec 08 08:15	20° <b>I</b> 54′19 46.26563 AU
max. Earth dist.	6792 May 31 21:36	11° <b>Д</b> 49'30 46.93430 AU		6800 Dec 10 10:48	20° <b>Д</b> 51'53 -17°05'19
retrograde	6792 Sep 08 20:46	13° <b>II</b> 22'55	direct	6801 Mar 02 06:22	19° <b>∏</b> 51'14
min. Earth dist.	6792 Nov 29 11:42	13 <b>П</b> 2233 12° <b>П</b> 22'51 45.09561 AU		0001 Wiai 02 00.22	15 1131 14
opposition	6792 Dec 01 18:40	12° <b>Д</b> 22'31 ч3.07301 AC	conjunction	6801 Jun 08 08:14	21° <b>Ⅲ</b> 21'54 -16°24'06
* *	6792 Dec 01 18:40 6793 Feb 21 11:33	12 <b>H</b> 2009 -16 4231 11° <b>H</b> 18'28	•	6801 Jun 08 08:14	21° <b>I</b> [21'54 -16'24'11
direct	0735 FCU 21 11:33	11 11020	minimum elong		
aomine-+:	6702 M 20 20 40	120 1144 16000121	max. Earth dist.	6801 Jun 10 10:30	21° <b>II</b> 24'56 48.24662 AU
conjunction	6793 May 30 20:48	12°II51'44 -16°02'31	retrograde	6801 Sep 18 18:39	22° <b>I</b> 56'00
minimum elong	6793 May 30 20:47	12°II51'44 16°02'35	min. Earth dist.	6801 Dec 09 17:19	21° <b>I</b> 56'44 46.39685 AU
max. Earth dist.	6793 Jun 02 03:51	12° <b>I</b> 55'10 47.09362 AU	11	6801 Dec 11 18:14	21°II54'23 -17°06'38
retrograde	6793 Sep 10 04:04	14° <b>Ⅲ</b> 28′20	direct	6802 Mar 03 11:33	20° <b>Ⅲ</b> 53'54
min. Earth dist.	6793 Nov 30 20:20	13° <b>Ⅱ</b> 28'23 45.25340 AU			
opposition	6793 Dec 03 03:18	13° <b>Ⅱ</b> 25'41 -16°46'37	conjunction	6802 Jun 09 15:17	22° <b>I</b> 24'19 -16°25'20
direct	6794 Feb 22 20:43	12° <b>Ⅱ</b> 24′07	minimum elong	6802 Jun 09 15:20	22° <b>I</b> [24'19 16°25'23
			max. Earth dist.	6802 Jun 11 17:29	22° <b>Ⅱ</b> 27'20 48.37528 AU

Tranetary Trienc	incha of Fluto Itol	ii 0000 tiii0ugii 7102 (	(O1), Astrodictist AO	16-1-0-2023 14.23,	page 10
retrograde	6802 Sep 20 00:07	23° <b>II</b> 58'09	minimum elong	6810 Jun 17 18:52	0°532'54 16°25'08
min. Earth dist.	6802 Dec 11 01:33	22° <b>I</b> 58'59 46.52322 AU		6810 Jun 19 13:30	0°\$35'25 49.24033 AU
opposition	6802 Dec 13 01:24	22° <b>耳</b> 56'41 -17°07'39	retrograde	6810 Sep 28 00:58	2°504'44
direct	6803 Mar 04 18:25	21° <b>Ⅲ</b> 56′20	min. Earth dist.	6810 Dec 19 12:32	1°506'01 47.37239 AU
			opposition	6810 Dec 21 06:15	1°504'02 -17°05'24
conjunction	6803 Jun 10 22:09	23° <b>Ⅱ</b> 26'30 -16°26'17	direct	6811 Mar 13 03:20	0°504'26
minimum elong	6803 Jun 10 22:10	23° <b>II</b> 26'30 16°26'20			
max. Earth dist.	6803 Jun 12 22:08	23° <b>Ⅱ</b> 29'23 48.49899 AU	J conjunction	6811 Jun 19 00:39	1°532'37 -16°23'43
retrograde	6803 Sep 21 06:49	25° <b>Ⅲ</b> 00′05	minimum elong	6811 Jun 19 00:44	1°532'38 16°23'47
min. Earth dist.	6803 Dec 12 09:14	24° <b>Ⅱ</b> 01'00 46.64454 AU	J max. Earth dist.	6811 Jun 20 18:27	1°535'05 49.33330 AU
opposition	6803 Dec 14 08:34	23° <b>Ⅱ</b> 58'44 -17°08'22	retrograde	6811 Sep 29 09:22	3°504'15
direct	6804 Mar 05 01:01	22° <b>Ⅲ</b> 58'31	min. Earth dist.	6811 Dec 20 20:11	2°505'34 47.46371 AU
			opposition	6811 Dec 22 12:25	2°503'40 -17°03'47
conjunction	6804 Jun 11 04:59	24° <b>Ⅱ</b> 28'25 -16°26'57	direct	6812 Mar 13 08:24	1°504'10
minimum elong	6804 Jun 11 05:02	24° <b>II</b> 28'25 16°27'00			
max. Earth dist.	6804 Jun 13 04:38	24° <b>Ⅲ</b> 31'16 48.61745 AU	J conjunction	6812 Jun 19 06:32	2°532'09 -16°22'05
retrograde	6804 Sep 21 11:57	26° <b>Ⅲ</b> 01'44	minimum elong	6812 Jun 19 06:37	2°532'10 16°22'10
min. Earth dist.	6804 Dec 12 18:25	25° <b>Ⅲ</b> 02'40 46.76046 AU	J max. Earth dist.	6812 Jun 21 00:31	2°534'37 49.42331 AU
opposition	6804 Dec 14 15:39	25° <b>耳</b> 00'30 -17°08'50	retrograde	6812 Sep 29 16:01	4° <b>©</b> 03'35
direct	6805 Mar 06 11:05	24° <b>Ⅱ</b> 00′23	min. Earth dist.	6812 Dec 21 02:40	3°504'59 47.55160 AU
			opposition	6812 Dec 22 18:21	3°503'06 -17°01'52
conjunction	6805 Jun 12 11:44	25° <b>耳</b> 30′01 -16°27′21	direct	6813 Mar 14 12:29	2°503'42
minimum elong	6805 Jun 12 11:45	25° <b>耳</b> 30′01 16°27′24			
max. Earth dist.	6805 Jun 14 09:57	25° <b>Ⅲ</b> 32'47 48.73084 AU	J conjunction	6813 Jun 20 12:20	3°531'31 -16°20'11
retrograde	6805 Sep 22 19:31	27° <b>Ⅱ</b> 03'04	minimum elong	6813 Jun 20 12:26	3°531'32 16°20'14
min. Earth dist.	6805 Dec 14 01:11	26° <b>Ⅱ</b> 04'05 46.87143 AU	- C	6813 Jun 22 04:20	3°533'52 49.50971 AU
opposition	6805 Dec 15 22:16	26° <b>Π</b> 01'56 -17°09'00	retrograde	6813 Sep 30 22:40	5°502'45
direct	6806 Mar 07 18:38	25° <b>I</b> I01'54	min. Earth dist.	6813 Dec 22 09:04	4°504'13 47.63568 AU
ancer	0000 11111 07 10.50	23 10131	opposition	6813 Dec 24 00:05	4°502'23 -16°59'40
conjunction	6806 Jun 13 18:11	26° <b>I</b> [31'16 -16°27'29	direct	6814 Mar 15 16:04	3°503'05
minimum elong	6806 Jun 13 18:15	26° <b>I</b> [31'16 16°27'33	direct	0014 Wiai 13 10.04	3 303 03
max. Earth dist.	6806 Jun 15 15:13	26°II33'57 48.83952 AU	J conjunction	6814 Jun 21 18:13	4°\$30'44 -16°18'02
retrograde	6806 Sep 24 05:35	28° <b>I</b> I04'03	minimum elong	6814 Jun 21 18:17	4°\$30'44 16°18'06
min. Earth dist.	6806 Dec 15 09:31	27° <b>I</b> 105'05 46.97815 AU	- C	6814 Jun 23 10:01	4°\$33'03 49.59189 AU
opposition	6806 Dec 17 05:03	27° <b>I</b> 103'00 -17°08'53	retrograde	6814 Oct 02 01:51	6°901'47
direct	6807 Mar 08 22:23	26°II03'03	min. Earth dist.	6814 Dec 23 16:55	5°903'15 47.71515 AU
direct	0007 Wai 00 22.23	20 103 03	opposition	6814 Dec 25 05:58	5°901'30 -16°57'13
agniumation	6807 Jun 15 00:29	27° <b>Ⅲ</b> 32'09 -16°27'19	direct	6815 Mar 16 23:58	4°902'18
conjunction			direct	0813 Mai 10 25.38	4 902 18
minimum elong max. Earth dist.	6807 Jun 15 00:32 6807 Jun 16 21:35	27°П32'09 16°27'23 27°П34'50 48.94437 AU	I conjugation	6015 Jun 22 22:54	5°\$29'45 -16°15'37
		29° <b>I</b> 04'41		6815 Jun 22 23:54	
retrograde	6807 Sep 25 10:44	28° <b>I</b> 05'46 47.08117 AU	minimum elong	6815 Jun 23 00:00	5°529'46 16°15'41
min. Earth dist.	6807 Dec 16 16:32			6815 Jun 24 14:13	5°532'00 49.66934 AU
opposition	6807 Dec 18 11:35	28° <b>I</b> 03'43 -17°08'29	retrograde	6815 Oct 03 06:44	7°500'38
direct	6808 Mar 09 05:09	27° <b>Ⅱ</b> 03'50	min. Earth dist.	6815 Dec 24 22:50	6°502'10 47.78954 AU
	(000 I 15 0( 40	200 <b>T</b> 22142 17027152	opposition	6815 Dec 26 11:43	6°500'26 -16°54'32
conjunction	6808 Jun 15 06:40	28°II32'42 -16°26'52 28°II32'42 16°26'56	direct	6816 Mar 17 07:44	5° <b>©</b> 01'18
minimum elong	6808 Jun 15 06:44		T	(016 I 22 05.20	6°\$28'35 -16°12'59
max. Earth dist.	6808 Jun 17 02:09	28°耳35'17 49.04590 AU 0°©	3	6816 Jun 23 05:38	
. 1	6808 Sep 03 23:25		minimum elong	6816 Jun 23 05:43	6°528'35 16°13'03
retrograde	6808 Sep 25 14:58	0°504'59	max. Earth dist.	6816 Jun 24 18:23	6°530'43 49.74147 AU
i matri	6808 Oct 17 10:39	30°RII	retrograde	6816 Oct 03 15:16	7°959'16
min. Earth dist.	6808 Dec 16 23:11	29° <b>I</b> 106'07 47.18117 AU		6816 Dec 25 06:35	7°500'47 47.85865 AU
opposition	6808 Dec 18 17:54	29° <b>I</b> 04'06 -17°07'46	opposition	6816 Dec 26 17:23	6°\$59'09 -16°51'36
direct	6809 Mar 10 11:09	28° <b>Ⅱ</b> 04'18	direct	6817 Mar 18 12:48	6° <b>©</b> 00'04
	(000 I 1/ 12 7	200T2255 150255		(017.1 04.11.01	70607110 1701017
conjunction	6809 Jun 16 12:51	29° <b>I</b> 32'56 -16°26'07	conjunction	6817 Jun 24 11:24	7°527'10 -16°10'07
minimum elong	6809 Jun 16 12:54	29°II32'56 16°26'10	minimum elong	6817 Jun 24 11:31	7°527'10 16°10'11
max. Earth dist.	6809 Jun 18 08:33	29° <b>Ⅱ</b> 35'31 49.14448 AU		6817 Jun 25 23:43	7°529'16 49.80851 AU
_	6809 Jul 05 21:37	0°9	retrograde	6817 Oct 04 20:47	8°\$57'39
retrograde	6809 Sep 26 18:34	1°504'59	opposition	6817 Dec 27 22:51	7°\$57'35 -16°48'27
min. Earth dist.	6809 Dec 18 06:55	0°506'09 47.27819 AU		6817 Dec 26 12:46	7°559'11 47.92261 AU
opposition	6809 Dec 20 00:12	0°904'11 -17°06'44	direct	6818 Mar 19 17:51	6°\$58'33
	6809 Dec 23 16:34	30°RⅡ			
direct	6810 Mar 11 20:20	29° <b>Ⅱ</b> 04'29	conjunction	6818 Jun 25 16:44	8°\$25'28 -16°07'00
	6810 May 24 23:00	0ంత	minimum elong	6818 Jun 25 16:50	8°\$25'29 16°07'04
			max. Earth dist.	6818 Jun 27 03:02	8°527'27 49.87073 AU
conjunction	6810 Jun 17 18:47	0°\$32'54 -16°25'04	retrograde	6818 Oct 06 02:06	9° <b>9</b> 55'46

min. Earth dist.	6818 Dec 27 19:00	8°957'19 47.98221 AU	,	6827 Jul 04 15:35	17° <b>©</b> 03'11 -15°27'39
opposition	6818 Dec 29 04:15	8°\$55'45 -16°45'02	minimum elong	6827 Jul 04 15:43	17°503'12 15°27'43
direct	6819 Mar 20 21:55	7° <b>9</b> 56'46	max. Earth dist.	6827 Jul 05 18:51	17° <b>©</b> 04'45 50.27495 AU
			retrograde	6827 Oct 15 02:39	18° <b>9</b> 32'24
conjunction	6819 Jun 26 22:12	9° <b>5</b> 23'31 -16°03'39	min. Earth dist.	6828 Jan 06 00:38	17°534'12 48.36291 AU
minimum elong	6819 Jun 26 22:20	9° <b>5</b> 23'31 16°03'43	opposition	6828 Jan 07 01:37	17°933'03 -16°02'38
max. Earth dist.	6819 Jun 28 08:32	9°\$25'30 49.92885 AU	J direct	6828 Mar 28 19:40	16°934'38
retrograde	6819 Oct 07 04:33	10°953'38			
min. Earth dist.	6819 Dec 29 01:53	9°555'09 48.03794 AU	J conjunction	6828 Jul 04 20:40	18°900'27 -15°22'06
opposition	6819 Dec 30 09:36	9°553'40 -16°41'22	minimum elong	6828 Jul 04 20:50	18°900'27 15°22'10
direct	6820 Mar 21 05:32	8°954'44	max. Earth dist.	6828 Jul 05 21:34	18°901'52 50.29919 AU
			retrograde	6828 Oct 15 09:06	19° <b>5</b> 29'33
conjunction	6820 Jun 27 03:29	10°521'19 -16°00'02	min. Earth dist.	6829 Jan 06 06:51	18°931'20 48.38349 AU
minimum elong	6820 Jun 27 03:35	10°921'20 16°00'06	opposition	6829 Jan 07 06:31	18°930'14 -15°56'45
max. Earth dist.	6820 Jun 28 12:35	10°523'14 49.98357 AU	J direct	6829 Mar 29 22:24	17° <b>©</b> 31'51
retrograde	6820 Oct 07 09:23	11° <b>9</b> 51'17			
min. Earth dist.	6820 Dec 29 06:45	10°552'53 48.09038 AU	J conjunction	6829 Jul 06 01:52	18°957'34 -15°16'21
opposition	6820 Dec 30 14:45	10°951'23 -16°37'26	minimum elong	6829 Jul 06 02:00	18°\$57'34 15°16'25
direct	6821 Mar 22 11:42	9° <b>©</b> 52'29	max. Earth dist.	6829 Jul 07 02:12	18°\$58'57 50.31789 AU
	0021111111 22 111.12	, 2022,	retrograde	6829 Oct 16 10:31	20° <b>\$</b> 26'33
conjunction	6821 Jun 28 08:44	11° <b>©</b> 18'57 -15°56'10	opposition	6830 Jan 08 11:13	19° <b>©</b> 27'15 -15°50'39
minimum elong	6821 Jun 28 08:52	11°518'57 15°56'14	min. Earth dist.	6830 Jan 07 13:22	19°528'16 48.39861 AU
max. Earth dist.	6821 Jun 29 16:51	11°S20'48 50.03502 AU		6830 Mar 31 04:46	18°\$28'52
retrograde	6821 Oct 08 16:29	12°548'46	direct	0030 Wai 31 04.40	10 320 32
opposition	6821 Dec 31 19:51	11°548'56 -16°33'14	conjunction	6830 Jul 07 06:52	19° <b>©</b> 54'29 -15°10'24
min. Earth dist.	6821 Dec 30 13:34	11°S50'21 48.13976 AU	·	6830 Jul 07 00:32	19°954'30 15°10'27
			max. Earth dist.		
direct	6822 Mar 23 16:44	10° <b>©</b> 50'06		6830 Jul 08 05:40	19°555'47 50.33164 AU
	(022 I 20 14.01	12061/12/ 15052102	retrograde	6830 Oct 17 13:17	21°523'22
conjunction	6822 Jun 29 14:01	12°5516'26 -15°52'02	opposition	6831 Jan 09 15:51	20°524'04 -15°44'19
minimum elong	6822 Jun 29 14:08	12°5516'26 15°52'05	min. Earth dist.	6831 Jan 08 18:07	20°525'05 48.40905 AU
max. Earth dist.	6822 Jun 30 22:13	12°S18'17 50.08364 AU	J direct	6831 Apr 01 10:52	19° <b>©</b> 25'42
retrograde	6822 Oct 09 22:41	13°546'07		(021 X 1 00 11 20	200
min. Earth dist.	6822 Dec 31 18:45	12°5647'46 48.18613 AU	,	6831 Jul 08 11:39	20°951'13 -15°04'13
opposition	6823 Jan 02 00:54	12°546'22 -16°28'45	minimum elong	6831 Jul 08 11:48	20°951'13 15°04'16
direct	6823 Mar 24 20:14	11° <b>©</b> 47'37	max. Earth dist.	6831 Jul 09 09:13	20°S52'26 50.34087 AU
			retrograde	6831 Oct 18 19:05	22° <b>©</b> 20'00
conjunction	6823 Jun 30 18:56	13° <b>©</b> 13'50 -15°47'39	opposition	6832 Jan 10 20:35	21° <b>©</b> 20'42 -15°37'46
minimum elong	6823 Jun 30 19:04	13° <b>©</b> 13'50 15°47'43	min. Earth dist.	6832 Jan 10 00:49	21°9521'37 48.41536 AU
max. Earth dist.	6823 Jul 02 01:23	13°515'35 50.12932 AU	J direct	6832 Apr 01 16:58	20° <b>©</b> 22'19
retrograde	6823 Oct 11 05:07	14°9543'24	evening set	6832 Jul 07 14:43	21° <b>9</b> 46'16
min. Earth dist.	6824 Jan 02 00:29	13°545'06 48.22956 AU	J		
opposition	6824 Jan 03 06:00	13°5643'44 -16°24'01	conjunction	6832 Jul 08 16:39	21°547'44 -14°57'48
direct	6824 Mar 24 22:03	12° <b>©</b> 45'03	minimum elong	6832 Jul 08 16:49	21° <b>©</b> 47'45 14°57'53
			morning rise	6832 Jul 09 18:58	21° <b>5</b> 49'14
conjunction	6824 Jul 01 00:10	14°5511'11 -15°43'00	max. Earth dist.	6832 Jul 09 14:08	21°5648'58 50.34634 AU
minimum elong	6824 Jul 01 00:18	14° <b>©</b> 11'12 15°43'04	retrograde	6832 Oct 19 00:34	23° <b>©</b> 16'25
max. Earth dist.	6824 Jul 02 06:41	14°5612'56 50.17181 AU	J min. Earth dist.	6833 Jan 10 05:27	22°518'03 48.41800 AU
retrograde	6824 Oct 11 08:14	15° <b>©</b> 40'40	opposition	6833 Jan 11 00:57	22°\$17'08 -15°30'59
min. Earth dist.	6825 Jan 02 07:00	14°542'22 48.26950 AU	J direct	6833 Apr 02 21:35	21° <b>©</b> 18'45
opposition	6825 Jan 03 10:56	14°5541'04 -16°19'01	evening set	6833 Jul 07 16:36	22° <b>©</b> 41'07
direct	6825 Mar 26 03:58	13° <b>5</b> 42'29			
			conjunction	6833 Jul 09 21:27	22°5644'06 -14°51'10
conjunction	6825 Jul 02 05:19	15°908'32 -15°38'07	minimum elong	6833 Jul 09 21:36	22°9544'07 14°51'13
minimum elong	6825 Jul 02 05:27	15°508'32 15°38'11	max. Earth dist.	6833 Jul 10 16:56	22°5045'13 50.34839 AU
max. Earth dist.	6825 Jul 03 10:30	15°5510'12 50.21075 AU	J morning rise	6833 Jul 12 02:42	22°5947'07
retrograde	6825 Oct 12 11:52	16° <b>©</b> 37'55	retrograde	6833 Oct 20 07:37	24°512'41
opposition	6826 Jan 04 15:47	15°538'25 -16°13'47	min. Earth dist.	6834 Jan 11 10:45	23°514'17 48.41748 AU
min. Earth dist.	6826 Jan 03 12:00	15°539'43 48.30551 AU	J opposition	6834 Jan 12 05:28	23°\$13'25 -15°23'57
direct	6826 Mar 27 11:14	14° <b>©</b> 39'54	direct	6834 Apr 03 22:41	22° <b>©</b> 15'03
			evening set	6834 Jul 08 03:42	23° <b>©</b> 36'21
conjunction	6826 Jul 03 10:19	16°905'52 -15°32'59	Č		
minimum elong	6826 Jul 03 10:29	16°905'52 15°33'03	conjunction	6834 Jul 11 02:13	23°540'20 -14°44'17
max. Earth dist.	6826 Jul 04 14:06	16°907'27 50.24527 AU	·	6834 Jul 11 02:23	23°540'21 14°44'21
retrograde	6826 Oct 13 19:49	17° <b>©</b> 35'11	max. Earth dist.	6834 Jul 11 21:51	23°5641'27 50.34730 AU
opposition	6827 Jan 05 20:47	16°535'45 -16°08'19	morning rise	6834 Jul 14 01:11	23°5644'21
min. Earth dist.	6827 Jan 04 19:02	16°536'57 48.33686 AU	•	6834 Oct 21 11:10	25° <b>©</b> 08'51
direct	6827 Mar 28 16:22	15° <b>©</b> 37'18	opposition	6835 Jan 13 09:59	24°\$09'36 -15°16'40
		•	11		

min. Earth dist. direct evening set	6835 Jan 12 16:35 6835 Apr 05 03:24 6835 Jul 08 18:06	24°©10'25 48.41378 AU 23°©11'14 24°©31'41	conjunction minimum elong max. Earth dist. morning rise	6841 Jul 17 12:25 6841 Jul 17 12:37 6841 Jul 17 23:26 6841 Jul 23 16:38	0°Ω14'00 -13°49'43 0°Ω14'00 13°49'47 0°Ω14'37 50.23605 AU 0°Ω22'22
conjunction	6835 Jul 12 07:00	24°\$36'29 -14°37'09	retrograde	6841 Oct 27 20:26	1° <b>Ω</b> 42'23
minimum elong	6835 Jul 12 07:10	24°536'30 14°37'13	opposition	6842 Jan 19 16:54	0°Ω43'19 -14°19'13
max. Earth dist.	6835 Jul 13 01:29	24°537'32 50.34334 AU	min. Earth dist.	6842 Jan 19 07:24	0° <b>Ω</b> 43'46 48.27878 AU
morning rise	6835 Jul 15 20:24	24°9541'20		6842 Mar 04 09:56	30°Rூ
retrograde	6835 Oct 22 13:40	26° <b>©</b> 04'57	direct	6842 Apr 11 12:28	29°5645'03
opposition	6836 Jan 14 14:21	25°505'44 -15°09'08		6842 May 18 22:42	$0^{\circ}\Omega$
min. Earth dist.	6836 Jan 13 20:47	25°506'33 48.40715 AU	evening set	6842 Jul 12 05:28	1° <b>Ω</b> 01'31
direct	6836 Apr 05 09:13	24° <b>5</b> 07'23			
evening set	6836 Jul 08 10:14	25° <b>©</b> 27'06	conjunction	6842 Jul 18 17:17	1° <b>Ω</b> 10'18 -13°41'06
			minimum elong	6842 Jul 18 17:27	1° <b>Ω</b> 10'19 13°41'09
conjunction	6836 Jul 12 11:46	25°\$32'37 -14°29'48	max. Earth dist.	6842 Jul 19 03:55	1°Ω10'54 50.20090 AU
minimum elong	6836 Jul 12 11:56	25°S32'38 14°29'52	morning rise	6842 Jul 25 05:51	1° <b>Ω</b> 19'09
max. Earth dist.	6836 Jul 13 05:00	25°533'36 50.33616 AU	retrograde	6842 Oct 29 01:40	2° <b>Ω</b> 38'41
morning rise	6836 Jul 16 13:53 6836 Oct 22 19:26	25°\$38'10 27°\$01'04	opposition min. Earth dist.	6843 Jan 20 21:14 6843 Jan 20 12:03	1° <b>Ω</b> 39'36 -14°10'10 1° <b>Ω</b> 40'02 48.24003 AU
retrograde opposition	6837 Jan 14 18:52	26°\$01'52 -15°01'22	direct	6843 Apr 12 17:05	0°Ω41'18
min. Earth dist.	6837 Jan 14 03:09	26°\$02'36 48.39715 AU	evening set	6843 Jul 13 02:14	1° <b>Ω</b> 57'19
direct	6837 Apr 06 14:44	25°\$03'34	evening set	0045 Jul 15 02.14	1 0637 17
evening set	6837 Jul 09 03:45	26°\$22'38	conjunction	6843 Jul 19 22:04	2°Ω06'34 -13°32'16
<i>3</i>			minimum elong	6843 Jul 19 22:15	2° <b>Ω</b> 06'35 13°32'20
conjunction	6837 Jul 13 16:42	26°\$28'47 -14°22'12	max. Earth dist.	6843 Jul 20 06:37	2° <b>Ω</b> 07'03 50.16139 AU
minimum elong	6837 Jul 13 16:53	26°\$28'47 14°22'15	morning rise	6843 Jul 26 18:52	2° <b>Ω</b> 15'52
max. Earth dist.	6837 Jul 14 09:49	26°529'45 50.32551 AU	retrograde	6843 Oct 30 09:20	3° <b>Ω</b> 34'56
morning rise	6837 Jul 18 06:13	26° <b>ॐ</b> 34'59	opposition	6844 Jan 22 01:32	2° <b>Q</b> 35'50 -14°00'54
retrograde	6837 Oct 24 01:46	27° <b>©</b> 57'12	min. Earth dist.	6844 Jan 21 17:30	2° <b>Ω</b> 36'12 48.19735 AU
opposition	6838 Jan 15 23:08	26°\$58'04 -14°53'21	direct	6844 Apr 12 17:37	1° <b>Ω</b> 37′29
min. Earth dist.	6838 Jan 15 07:50	26°\$58'46 48.38326 AU	evening set	6844 Jul 12 23:11	2° <b>Ω</b> 53'05
direct	6838 Apr 07 18:06	25°\$59'47			
evening set	6838 Jul 09 22:05	27° <b>©</b> 18'16	conjunction	6844 Jul 20 02:59	3° <b>Ω</b> 02'47 -13°23'13
	(020 I-1 14 21.20	279625101 14914122	minimum elong	6844 Jul 20 03:10 6844 Jul 20 11:26	3°Ω02'48 13°23'15 3°Ω03'16 50.11810 AU
conjunction minimum elong	6838 Jul 14 21:30 6838 Jul 14 21:40	27°\$25'01 -14°14'23 27°\$25'01 14°14'27	max. Earth dist. morning rise	6844 Jul 27 07:41	3°Ω12'31
max. Earth dist.	6838 Jul 15 12:27	27°\$25'51 50.31071 AU	retrograde	6844 Oct 30 13:26	4° <b>Ω</b> 31'09
morning rise	6838 Jul 19 21:34	27° <b>9</b> 31'47	opposition	6845 Jan 22 05:52	3°Ω32'01 -13°51'23
retrograde	6838 Oct 25 09:02	28°\$53'25	min. Earth dist.	6845 Jan 21 23:10	3°Ω32'20 48.15106 AU
opposition	6839 Jan 17 03:36	27°954'20 -14°45'08	direct	6845 Apr 13 21:34	2° <b>Ω</b> 33'39
min. Earth dist.	6839 Jan 16 13:39	27°954'58 48.36502 AU	evening set	6845 Jul 13 20:31	3° <b>Ω</b> 48'51
direct	6839 Apr 08 19:51	26°\$56'04	-		
evening set	6839 Jul 10 17:07	28°9514'00	conjunction	6845 Jul 21 07:48	3° <b>Ω</b> 58′58 -13°13′55
			minimum elong	6845 Jul 21 08:00	3°N 58'58 13°13'59
conjunction	6839 Jul 16 02:25	28°521'19 -14°06'22	max. Earth dist.	6845 Jul 21 15:04	3° <b>Ω</b> 59'22 50.07160 AU
minimum elong	6839 Jul 16 02:36	28°521'19 14°06'25	morning rise	6845 Jul 28 20:05	4° <b>Ω</b> 09'07
max. Earth dist.	6839 Jul 16 16:54	28°\$22'08 50.29110 AU	retrograde	6845 Oct 31 15:21	5° <b>Ω</b> 27'20
morning rise	6839 Jul 21 12:25	28°\$28'39	opposition	6846 Jan 23 10:00	4°Ω28'12 -13°41'38
retrograde	6839 Oct 26 11:39	29°549'43	min. Earth dist.	6846 Jan 23 03:13	4° <b>Ω</b> 28'31 48.10172 AU
opposition min. Earth dist.	6840 Jan 18 08:08 6840 Jan 17 19:53	28°\$50'39 -14°36'42 28°\$51'13 48.34158 AU	direct	6846 Apr 15 03:01 6846 Jul 14 17:54	3° <b>Ω</b> 29'47 4° <b>Ω</b> 44'37
direct	6840 Apr 09 01:08	27°952'24	evening set	0840 Jul 14 17.34	4 8 (44 3 /
evening set	6840 Jul 10 12:57	29°\$09'50	conjunction	6846 Jul 22 12:36	4° <b>Ω</b> 55'08 -13°04'24
evening set	0040 Jul 10 12.37	2) 30) 30	minimum elong	6846 Jul 22 12:47	4°Ω55'09 13°04'27
conjunction	6840 Jul 16 07:27	29°517'39 -13°58'08	max. Earth dist.	6846 Jul 22 18:39	4°Ω55'29 50.02209 AU
minimum elong	6840 Jul 16 07:37	29°517'40 13°58'12	morning rise	6846 Jul 30 08:25	5° <b>Ω</b> 05'44
max. Earth dist.	6840 Jul 16 20:10	29°518'22 50.26630 AU	retrograde	6846 Nov 01 19:34	6° <b>£</b> 23'33
morning rise	6840 Jul 22 02:41	29° <b>5</b> 25'31	opposition	6847 Jan 24 14:26	5° <b>Ω</b> 24'23 -13°31'38
-	6840 Aug 17 20:21	$0^{\circ}\Omega$	min. Earth dist.	6847 Jan 24 09:14	5° <b>Ω</b> 24'38 48.04957 AU
retrograde	6840 Oct 26 14:39	0° <b>Ω</b> 46′03	direct	6847 Apr 16 09:49	4° <b>Ω</b> 25'58
	6841 Jan 06 17:38	30° <b>₹</b> 5	evening set	6847 Jul 15 15:29	5° <b>Ω</b> 40'26
opposition	6841 Jan 18 12:24	29°\$46'59 -14°28'04			
min. Earth dist.	6841 Jan 18 00:39	29°547'32 48.31281 AU	conjunction	6847 Jul 23 17:26	5° <b>Ω</b> 51'22 -12°54'39
direct	6841 Apr 10 06:53	28°5048'44	minimum elong	6847 Jul 23 17:37	5° <b>Q</b> 51'22 12°54'42
	6841 Jul 07 03:38	0° <b>Ω</b>	max. Earth dist.	6847 Jul 23 23:39	5° <b>Ω</b> 51'43 49.96992 AU
evening set	6841 Jul 11 09:05	0° <b>Ω</b> 05'41	morning rise	6847 Jul 31 20:23	6° <b>Ω</b> 02'22 7° <b>Ω</b> 10'40
			retrograde	6847 Nov 03 02:04	7° <b>Ω</b> 19'49

J		υ	<i>"</i>		, 18
opposition	6848 Jan 25 18:43	6° <b>Ω</b> 20'39 -13°21'24	max. Earth dist.	6854 Jul 30 02:56	12° <b>Ω</b> 27'48 49.49596 AU
min. Earth dist.	6848 Jan 25 13:37	6° <b>Ω</b> 20'53 47.99454		6854 Aug 09 06:32	12° <b>Ω</b> 41'35
direct	6848 Apr 16 14:00	5° <b>Ω</b> 22'12	retrograde	6854 Nov 09 16:30	13° <b>Ω</b> 56'52
evening set	6848 Jul 15 13:27	6° <b>Ω</b> 36′20	opposition	6855 Feb 01 01:53	12° <b>Q</b> 57'31 -12°03'23
-			min. Earth dist.	6855 Feb 01 05:31	12° <b>Ω</b> 57'21 47.49505 AU
conjunction	6848 Jul 23 22:19	6° <b>Ω</b> 47'40 -12°44'39	direct	6855 Apr 23 17:19	11° <b>Ω</b> 58'45
minimum elong	6848 Jul 23 22:31	6° <b>Ω</b> 47'41 12°44'42	evening set	6855 Jul 21 05:08	13° <b>Ω</b> 10′59
max. Earth dist.	6848 Jul 24 02:36	6° <b>Ω</b> 47'55 49.91484	AU		
morning rise	6848 Aug 01 08:25	6° <b>Ω</b> 59'04	conjunction	6855 Jul 31 10:43	13° <b>Ω</b> 24'53 -11°28'40
retrograde	6848 Nov 03 10:15	8° <b>Ω</b> 16′10	minimum elong	6855 Jul 31 10:54	13° <b>Ω</b> 24'54 11°28'42
opposition	6849 Jan 25 22:59	7° <b>Ω</b> 17'00 -13°10'55	max. Earth dist.	6855 Jul 31 06:43	13° <b>Ω</b> 24'39 49.40923 AU
min. Earth dist.	6849 Jan 25 18:58	7° <b>Ω</b> 17'11 47.93657	AU morning rise	6855 Aug 10 17:43	13° <b>Ω</b> 38'51
direct	6849 Apr 17 14:57	6° <b>Ω</b> 18'32	retrograde	6855 Nov 10 20:23	14° <b>£</b> 53′53
evening set	6849 Jul 16 11:33	7° <b>Ω</b> 32′22	opposition	6856 Feb 02 06:24	13° <b>Q</b> 54′28 -11°51′23
			min. Earth dist.	6856 Feb 02 10:15	13° <b>Ω</b> 54'17 47.40482 AU
conjunction	6849 Jul 25 03:24	7° <b>Ω</b> 44'05 -12°34'26		6856 Apr 23 21:53	12° <b>Ω</b> 55'37
minimum elong	6849 Jul 25 03:35	7° <b>Ω</b> 44'06 12°34'29	evening set	6856 Jul 21 04:40	14° <b>Ω</b> 07'38
max. Earth dist.	6849 Jul 25 07:27	7° <b>Ω</b> 44'19 49.85647	AU		
morning rise	6849 Aug 02 20:22	7° <b>Ω</b> 55'53	conjunction	6856 Jul 31 16:06	14° <b>Ω</b> 21'52 -11°16'58
retrograde	6849 Nov 04 14:14	9° <b>Ω</b> 12'39	minimum elong	6856 Jul 31 16:18	14° <b>Ω</b> 21'52 11°17'01
opposition	6850 Jan 27 03:23	8° <b>Ω</b> 13'29 -13°00'12		6856 Jul 31 10:37	14° <b>Ω</b> 21'33 49.31843 AU
min. Earth dist.	6850 Jan 27 00:46	8° <b>Ω</b> 13'36 47.87495	AU morning rise	6856 Aug 11 05:05	14° <b>Ω</b> 36'11
direct	6850 Apr 18 18:59	7° <b>Ω</b> 15'00		6856 Aug 29 12:55	15° <b>Ω</b>
evening set	6850 Jul 17 09:54	8° <b>Ω</b> 28′33	retrograde	6856 Nov 11 00:13	15° <b>Ω</b> 50'58
				6857 Jan 25 20:55	15°R <b>Ω</b>
conjunction	6850 Jul 26 08:19	8° <b>Ω</b> 40'39 -12°23'59	1.1	6857 Feb 02 10:57	14°Ω51'28 -11°39'08
minimum elong	6850 Jul 26 08:31	8° <b>Ω</b> 40'40 12°24'02		6857 Feb 02 16:45	14°Ω51'12 47.31089 AU
max. Earth dist.	6850 Jul 26 11:05	8° <b>Ω</b> 40'48 49.79432	AU direct	6857 Apr 25 04:42	13° <b>Ω</b> 52'33
morning rise	6850 Aug 04 07:57	8° <b>Ω</b> 52'49		6857 Jul 18 22:26	15° <b>Ω</b>
retrograde	6850 Nov 05 17:14	10° <b>Ω</b> 09'17	evening set	6857 Jul 22 04:23	15° <b>Ω</b> 04'21
opposition	6851 Jan 28 07:45	9° <b>Ω</b> 10'06 -12°49'15		C057 A 01 21 25	150 0 10155 11005102
min. Earth dist.	6851 Jan 28 05:28	9° <b>Ω</b> 10'13 47.80918	3	6857 Aug 01 21:35	15° <b>Ω</b> 18'55 -11°05'03
direct	6851 Apr 20 00:07 6851 Jul 18 08:32	8° <b>Ω</b> 11'36 9° <b>Ω</b> 24'53	minimum elong max. Earth dist.	6857 Aug 01 21:47	15° <b>Ω</b> 18'56 11°05'05 15° <b>Ω</b> 18'36 49.22427 AU
evening set	0831 Jul 18 08:32	9-812433		6857 Aug 01 16:05 6857 Aug 12 16:09	15° <b>Ω</b> 33'35
agnismation	6851 Jul 27 13:31	9° <b>Ω</b> 37'21 -12°13'20	morning rise	6857 Nov 12 05:51	16° <b>Ω</b> 48'08
conjunction minimum elong	6851 Jul 27 13:41	$9^{\circ}\Omega_{37'22}$ $12^{\circ}13'23$	•	6858 Feb 03 15:32	15° <b>Ω</b> 48'36 -11°26'39
max. Earth dist.	6851 Jul 27 14:31	$9^{\circ}\Omega_{37'24}$ 49.72749	* *	6858 Feb 03 13:32 6858 Feb 03 21:23	15°Ω48'19 47.21369 AU
morning rise	6851 Aug 05 19:49	9° <b>Ω</b> 49'54	AO IIIII. Eartii dist.	6858 Mar 26 01:18	15°RΩ
retrograde	6851 Nov 06 22:03	11° <b>Ω</b> 06'04	direct	6858 Apr 26 09:55	14° <b>Ω</b> 49'36
opposition	6852 Jan 29 12:17	10° <b>Ω</b> 06'52 -12°38'06		6858 May 27 08:53	15° <b>Ω</b>
min. Earth dist.	6852 Jan 29 12:17	$10^{\circ} \Omega 06'52 - 12'38'00'$		6858 Jul 23 04:08	16° <b>Ω</b> 01'12
direct	6852 Apr 20 05:48	9° <b>Ω</b> 08'19	AC evening set	0030 Jul 23 04.00	10 0001 12
evening set	6852 Jul 18 07:30	10° <b>Ω</b> 21'19	conjunction	6858 Aug 03 02:48	16°Ω16'06 -10°52'53
evening sec	0002001 10 07.50	10 0021 19	minimum elong	6858 Aug 03 02:59	16°Ω16'07 10°52'56
conjunction	6852 Jul 27 18:54	10° <b>Ω</b> 34'09 -12°02'28	2	6858 Aug 02 19:22	16° <b>Ω</b> 15'41 49.12702 AU
minimum elong	6852 Jul 27 19:06	10° <b>Ω</b> 34'10 12°02'31		6858 Aug 14 03:06	16° <b>Ω</b> 31'06
max. Earth dist.	6852 Jul 27 19:17	10° <b>Ω</b> 34'11 49.65559	•	6858 Nov 13 14:39	17° <b>Ω</b> 45'28
morning rise	6852 Aug 06 07:30	10° <b>Ω</b> 47'04	opposition	6859 Feb 04 20:17	16° <b>Ω</b> 45'52 -11°13'55
retrograde	6852 Nov 07 03:00	12° <b>Ω</b> 02'57	min. Earth dist.	6859 Feb 05 03:11	16° <b>Ω</b> 45'32 47.11364 AU
opposition	6853 Jan 29 16:46	11° <b>Ω</b> 03'43 -12°26'44	direct	6859 Apr 27 11:02	15° <b>Ω</b> 46'48
min. Earth dist.	6853 Jan 29 17:19	11° <b>Ω</b> 03'41 47.66242	AU evening set	6859 Jul 24 04:05	16° <b>Ω</b> 58'15
direct	6853 Apr 21 11:25	10° <b>Ω</b> 05′06			
evening set	6853 Jul 19 06:38	11° <b>Ω</b> 17'50	conjunction	6859 Aug 04 08:23	17° <b>Ω</b> 13'29 -10°40'29
			minimum elong	6859 Aug 04 08:34	17° <b>Ω</b> 13'29 10°40'31
conjunction	6853 Jul 29 00:08	11° <b>Ω</b> 31'02 -11°51'25	max. Earth dist.	6859 Aug 04 00:52	17° <b>Ω</b> 13'03 49.02691 AU
minimum elong	6853 Jul 29 00:19	11° <b>Ω</b> 31'02 11°51'27		6859 Aug 15 14:08	17° <b>Ω</b> 28'49
max. Earth dist.	6853 Jul 28 22:01	11° <b>Ω</b> 30'55 49.57831	AU retrograde	6859 Nov 14 19:56	18° <b>Ω</b> 42'59
morning rise	6853 Aug 07 19:06	11° <b>Ω</b> 44'19	opposition	6860 Feb 06 01:01	17° <b>Ω</b> 43'20 -11°00'56
retrograde	6853 Nov 08 11:14	12° <b>Ω</b> 59'53	min. Earth dist.	6860 Feb 06 08:56	17° <b>Ω</b> 42'58 47.01066 AU
opposition	6854 Jan 30 21:17	12° <b>Ω</b> 00'36 -12°15'10		6860 Apr 27 15:18	16° <b>Ω</b> 44'13
min. Earth dist.	6854 Jan 30 23:25	12° <b>Ω</b> 00'30 47.58116	AU evening set	6860 Jul 24 04:23	17° <b>Ω</b> 55'32
direct	6854 Apr 22 13:18	11° <b>Ω</b> 01'55			
evening set	6854 Jul 20 05:47	12° <b>Ω</b> 14′23	conjunction	6860 Aug 04 13:59	18° <b>Ω</b> 11'05 -10°27'51
		_	minimum elong	6860 Aug 04 14:10	18° <b>Ω</b> 11'06 10°27'54
conjunction	6854 Jul 30 05:30	12° <b>Ω</b> 27'57 -11°40'09		6860 Aug 04 05:19	18°Ω10'35 48.92401 AU
minimum elong	6854 Jul 30 05:42	12° <b>Ω</b> 27'57 11°40'12	2 morning rise	6860 Aug 16 01:09	18° <b>Ω</b> 26'44

Tranctary Tricin	mena or riuto noi	11 0000 tillough /102 (	O 1), Astrodictist AC	10-100-2023 14.2	5, page 20
retrograde	6860 Nov 14 23:54	19° <b>Ω</b> 40'44	minimum elong	6867 Aug 12 08:38	25° <b>Ω</b> 02'02 8°53'11
opposition	6861 Feb 06 05:47	18° <b>Ω</b> 41'04 -10°47'42	max. Earth dist.	6867 Aug 11 15:07	25°Ω01'01 48.08388 AU
min. Earth dist.	6861 Feb 06 13:53	18° <b>Ω</b> 40'41 46.90473 AU		6867 Aug 25 06:10	25°Ω19'52
direct	6861 Apr 28 20:41	17° <b>Ω</b> 41'54	retrograde	6867 Nov 22 17:22	26° <b>Ω</b> 33'01
	•		•		$25^{\circ} \Omega 32'47 - 9^{\circ} 08'37$
evening set	6861 Jul 25 04:47	18° <b>Ω</b> 53'05	opposition	6868 Feb 13 17:48	
	(0(1)) 05 10 20	100 00050 1001450	min. Earth dist.	6868 Feb 14 10:31	25° <b>Ω</b> 31'59 46.03856 AU
conjunction	6861 Aug 05 19:38	19°Ω08'58 -10°14'59	direct	6868 May 05 10:17	24° <b>Ω</b> 32'55
minimum elong	6861 Aug 05 19:50	19° <b>Ω</b> 08'59 10°15'00	evening set	6868 Jul 30 14:21	25° <b>Ω</b> 43'28
max. Earth dist.	6861 Aug 05 09:32	19° <b>Ω</b> 08'23 48.81774 AU			•
morning rise	6861 Aug 17 12:11	19° <b>Ω</b> 24'57	conjunction	6868 Aug 12 14:50	26° <b>Ω</b> 01'29 -8°38'43
retrograde	6861 Nov 16 04:41	20° <b>Ω</b> 38'49	minimum elong	6868 Aug 12 15:00	26°Ω01'30 8°38'45
opposition	6862 Feb 07 10:43	19° <b>Ω</b> 39'06 -10°34'14	max. Earth dist.	6868 Aug 11 19:15	26° <b>Ω</b> 00'21 47.94532 AU
min. Earth dist.	6862 Feb 07 20:49	19° <b>Ω</b> 38'37 46.79526 AU	morning rise	6868 Aug 25 17:13	26° <b>Ω</b> 19'37
direct	6862 Apr 30 02:50	18° <b>Ω</b> 39'53	retrograde	6868 Nov 23 02:34	27° <b>Ω</b> 32'41
evening set	6862 Jul 26 05:26	19° <b>Ω</b> 50'58	opposition	6869 Feb 13 23:16	26° <b>£</b> 32′19 -8°53′32
			min. Earth dist.	6869 Feb 14 17:24	26° <b>Ω</b> 31'27 45.89692 AU
conjunction	6862 Aug 07 01:32	20° <b>Ω</b> 07'10 -10°01'52	direct	6869 May 06 13:14	25° <b>Ω</b> 32′18
minimum elong	6862 Aug 07 01:42	20° <b>Ω</b> 07'11 10°01'55	evening set	6869 Jul 31 16:22	26° <b>Ω</b> 42'48
max. Earth dist.	6862 Aug 06 15:08	20° <b>Ω</b> 06'34 48.70778 AU			
morning rise	6862 Aug 18 23:05	20° <b>Ω</b> 23′28	conjunction	6869 Aug 13 21:22	27° <b>Ω</b> 01'06 -8°24'04
retrograde	6862 Nov 17 10:20	21° <b>Ω</b> 37'13	minimum elong	6869 Aug 13 21:32	27° <b>Ω</b> 01'07 8°24'06
opposition	6863 Feb 08 15:39	20° <b>Ω</b> 37'28 -10°20'31	max. Earth dist.	6869 Aug 13 01:39	26° <b>Ω</b> 59'58 47.80329 AU
min. Earth dist.	6863 Feb 09 02:03	20° <b>Ω</b> 36'58 46.68167 AU	morning rise	6869 Aug 27 03:57	27° <b>Ω</b> 19'31
direct	6863 May 01 08:36	19° <b>Ω</b> 38'11	retrograde	6869 Nov 24 09:25	28° <b>£</b> 32'30
evening set	6863 Jul 27 06:25	20° <b>Ω</b> 49'10	opposition	6870 Feb 15 04:46	27° <b>Ω</b> 32'01 -8°38'11
8			min. Earth dist.	6870 Feb 15 23:48	27° <b>Ω</b> 31'06 45.75205 AU
conjunction	6863 Aug 08 07:23	21° <b>Ω</b> 05'41 -9°48'33	direct	6870 May 07 18:20	26° <b>Ω</b> 31'51
minimum elong	6863 Aug 08 07:35	21° <b>Ω</b> 05'42 9°48'35	evening set	6870 Aug 01 18:46	27° <b>Ω</b> 42'19
max. Earth dist.	6863 Aug 07 18:39	$21^{\circ}\Omega04'57$ 48.59328 AU	max. Earth dist.	6870 Aug 14 07:03	27° <b>Ω</b> 59'41 47.65847 AU
morning rise	6863 Aug 20 10:11	21° <b>Ω</b> 22'18	max. Earth tist.	007071ug 14 07.03	2/ 0(3) 41 4/.0304/ 110
retrograde	6863 Nov 18 19:57	22°Ω35'56	conjunction	6870 Aug 15 03:55	28° <b>Ω</b> 00'54 -8°09'10
opposition	6864 Feb 09 20:49	21° <b>Ω</b> 36'08 -10°06'35	minimum elong	6870 Aug 15 04:05	28° <b>Ω</b> 00'55 8°09'11
min. Earth dist.	6864 Feb 10 08:58	21°Ω35'33 46.56327 AU	_	6870 Aug 28 14:49	28° <b>Ω</b> 19'37
			Č	=	29° <b>Ω</b> 32'31
direct	6864 May 01 10:45	20° <b>Ω</b> 36'46	retrograde	6870 Nov 25 16:09	= =
evening set	6864 Jul 27 07:37	21° <b>Ω</b> 47'39	opposition	6871 Feb 16 10:21	28° \Q31'55 -8°22'35
	6064 4 00 12 40	220 00 4120 002 510 1	min. Earth dist.	6871 Feb 17 05:30	28° <b>Q</b> 30'59 45.60460 AU
conjunction	6864 Aug 08 13:40	22°Ω04'29 -9°35'01	direct	6871 May 08 22:59	27° <b>Ω</b> 31'36
minimum elong	6864 Aug 08 13:51	22°Ω04'30 9°35'03	evening set	6871 Aug 02 21:14	28° <b>Ω</b> 42'04
max. Earth dist.	6864 Aug 08 00:09	22° <b>Ω</b> 03'42 48.47357 AU			
morning rise	6864 Aug 20 21:17	22° <b>Ω</b> 21'25	conjunction	6871 Aug 16 10:34	29° <b>Ω</b> 00'56 -7°54'01
retrograde	6864 Nov 19 03:25	23° <b>Ω</b> 34'55	minimum elong	6871 Aug 16 10:44	29° <b>Ω</b> 00'57 7°54'04
opposition	6865 Feb 10 01:56	22° <b>Q</b> 35′02 -9°52′26	max. Earth dist.	6871 Aug 15 12:26	28° <b>Ω</b> 59'38 47.51096 AU
min. Earth dist.	6865 Feb 10 15:42	22° <b>Ω</b> 34'23 46.43945 AU	morning rise	6871 Aug 30 01:41	29° <b>Ω</b> 19'55
direct	6865 May 02 14:13	21° <b>Ω</b> 35'34		6871 Oct 01 02:31	0° <b>m</b> p
evening set	6865 Jul 28 09:07	22° <b>Ω</b> 46′23	retrograde	6871 Nov 26 21:35	0° m/32′48
				6872 Jan 23 15:11	30°R <b>Ω</b>
conjunction	6865 Aug 09 19:53	23° <b>Ω</b> 03'30 -9°21'17	opposition	6872 Feb 17 16:13	29° <b>Ω</b> 32'04 -8°06'43
minimum elong	6865 Aug 09 20:04	23° <b>Ω</b> 03'31 9°21'19	min. Earth dist.	6872 Feb 18 13:03	29° <b>Ω</b> 31'04 45.45457 AU
max. Earth dist.	6865 Aug 09 04:35	23° <b>Ω</b> 02'38 48.34862 AU	direct	6872 May 09 05:48	28° <b>Ω</b> 31'37
morning rise	6865 Aug 22 08:21	23° <b>Ω</b> 20'45	evening set	6872 Aug 03 00:05	29° <b>Ω</b> 42'06
retrograde	6865 Nov 20 10:02	24° <b>Ω</b> 34′07		6872 Aug 15 20:06	0° <b>m</b>
opposition	6866 Feb 11 07:09	23° <b>Ω</b> 34'08 -9°38'04			
min. Earth dist.	6866 Feb 11 21:27	23° <b>Ω</b> 33'27 46.31046 AU	conjunction	6872 Aug 16 17:33	0°m/01'16 -7°38'38
direct	6866 May 03 18:17	22° <b>Ω</b> 34'33	minimum elong	6872 Aug 16 17:42	0° <b>m</b> 01'16 7°38'39
evening set	6866 Jul 29 10:33	23° <b>Ω</b> 45′16	max. Earth dist.	6872 Aug 15 19:22	29° <b>Ω</b> 59'57 47.36100 AU
max. Earth dist.	6866 Aug 10 08:59	24° <b>Ω</b> 01'43 48.21848 AU	morning rise	6872 Aug 30 12:34	0° m/20'32
	-		retrograde	6872 Nov 27 02:49	1° m 33'24
conjunction	6866 Aug 11 02:01	24° <b>Ω</b> 02'42 -9°07'19	opposition	6873 Feb 17 21:55	0° m/32'34 -7°50'36
minimum elong	6866 Aug 11 02:11	24° <b>Ω</b> 02'42 9°07'21	min. Earth dist.	6873 Feb 18 18:38	0° m/31'33 45.30194 AU
morning rise	6866 Aug 23 19:16	24° <b>Ω</b> 20'14		6873 Mar 19 09:44	30°RΩ
retrograde	6866 Nov 21 13:08	25° <b>Ω</b> 33'30	direct	6873 May 10 13:08	29° <b>Ω</b> 31'59
opposition	6867 Feb 12 12:35	24° <b>Ω</b> 33'23 -9°23'28	<b>* * *</b>	6873 Jun 30 16:21	0° m/y
min. Earth dist.	6867 Feb 13 05:01	24° <b>Ω</b> 32'36 46.17662 AU	evening set	6873 Aug 04 03:16	0° <b>m</b> ) 42'30
direct	6867 May 05 02:28	23° <b>Ω</b> 33'40	max. Earth dist.	6873 Aug 17 00:22	1° Mp 00'31 47.20827 AU
411001				JULI 1145 11 UU.44	1 my 00 01 T1.2002/ AU
evening set	•				
evening set	6867 Jul 30 12:17	24° <b>Ω</b> 44'18		-	1°m01'56 -7°22'50
evening set conjunction	•		conjunction minimum elong	6873 Aug 18 00:30 6873 Aug 18 00:39	1° mp 01'56 -7°22'59 1° mp 01'57 7°23'02

morning rise	6873 Aug 31 23:36	1° Mp 21'30	conjunction	6880 Aug 25 06:44	8° mo 18'43 -5°26'50
retrograde	6873 Nov 28 11:58	2° Mp 34'24	minimum elong	6880 Aug 25 06:52	8° Mp 18'44 5°26'51
opposition	6874 Feb 19 04:00	1° mp 33'27 -7°34'12	morning rise	6880 Sep 09 05:44	8° mp 40'09
min. Earth dist.	6874 Feb 20 02:15	1° mp 32'22 45.14645 AU	retrograde	6880 Dec 05 22:15	9° m 53'33
direct	6874 May 11 17:11	0° m 32'46	opposition	6881 Feb 26 02:06	8° m 51'37 -5°32'27
evening set	6874 Aug 05 06:27	1° Mp 43'20	min. Earth dist.	6881 Feb 27 07:57	8° m 50'08 43.93929 AU
max. Earth dist.	6874 Aug 18 07:19	2° Mp 01'37 47.05226 AU	direct	6881 May 18 10:34	7° m/ 49'46
max. Lattii dist.	00/4/lug 10 0/.1)	2 11/0137 47.03220710	evening set	6881 Aug 11 14:51	9° <b>m</b> )01'08
conjunction	6874 Aug 19 07:38	2° m 03'03 -7°07'06	max. Earth dist.	6881 Aug 25 05:11	9° m/20'39 45.83863 AU
minimum elong	6874 Aug 19 07:48	2° Mg 03'04 7°07'08	max. Earth dist.	0001 Aug 23 03.11	) III 2037 43.03003 NO
morning rise	6874 Sep 02 10:23	2° m/ 22'53	conjunction	6881 Aug 26 15:08	9° mp 22'42 -5°09'16
retrograde	6874 Nov 29 20:44	3° m/ 35'50	minimum elong	6881 Aug 26 15:15	9° m/22'43 5°09'17
opposition	6875 Feb 20 10:12	2° mp 34'47 -7°17'34	morning rise	6881 Sep 10 16:58	9° mp 44'23
min. Earth dist.	6875 Feb 21 09:32	2° mp 33'39 44.98728 AU	retrograde	6881 Dec 07 06:06	10° <b>m</b> 57'54
direct	6875 May 12 21:45	1° m) 33'58	opposition	6882 Feb 27 09:23	9° <b>m</b> 55'47 -5°14'01
evening set	6875 Aug 06 10:18	2° mp 44'38	min. Earth dist.	6882 Feb 28 16:49	9° m 54'13 43.75182 AU
evening set	00/3 Aug 00 10.10	2 III 77 30	direct	6882 May 19 18:42	8° Mp 53'44
conjunction	6875 Aug 20 15:04	3° Mp 04'38 -6°50'59	evening set	6882 Aug 12 20:24	10° Mp 05'17
minimum elong	6875 Aug 20 15:12	3° Mg 04'38 6°51'01	evening set	0002 Aug 12 20.24	10 110/03/17
max. Earth dist.	6875 Aug 19 13:02	3°Mp03'05 46.89235 AU	conjunction	6882 Aug 27 23:32	10° mb 27'06 -4°51'27
morning rise	6875 Sep 03 21:35	3° m/ 24'44	minimum elong	6882 Aug 27 23:39	10° Mg 27'07 4°51'29
•	-	·	•	•	•
retrograde	6875 Dec 01 06:33	4° Mp 37'44	max. Earth dist.	6882 Aug 26 13:32	10° Mp 25'02 45.65097 AU
opposition	6876 Feb 21 16:24	3° Mp 36'34 -7°00'40	morning rise	6882 Sep 12 04:05	10° Mp 49'02
min. Earth dist.	6876 Feb 22 16:26	3°m/35'24 44.82393 AU	retrograde	6882 Dec 08 12:20	12° Mp 02'41
direct	6876 May 13 01:52	2° m/35'37	opposition	6883 Feb 28 16:42	11° Mp 00'24 -4°55'19
evening set	6876 Aug 06 14:26	3° Mp 46'23	min. Earth dist.	6883 Mar 01 23:51	10° m 58'51 43.56202 AU
			direct	6883 May 21 04:06	9° m 58'09
conjunction	6876 Aug 20 22:47	4° Mp 06'39 -6°34'37	evening set	6883 Aug 14 02:37	11° <b>m</b> 09'54
minimum elong	6876 Aug 20 22:56	4° m 06'39 6°34'39	max. Earth dist.	6883 Aug 27 20:23	11°Mp29'46 45.46100 AU
max. Earth dist.	6876 Aug 19 19:00	4° Mp 05'00 46.72771 AU			
morning rise	6876 Sep 04 08:51	4° <b>m</b> 27′02	conjunction	6883 Aug 29 08:16	11° <b>m</b> <sub>2</sub> 31'58 -4°33'23
retrograde	6876 Dec 01 12:35	5° <b>m</b> 40′05	minimum elong	6883 Aug 29 08:22	11° Mg 31'58 4°33'24
opposition	6877 Feb 21 23:00	4° mg 38'48 -6°43'32	morning rise	6883 Sep 13 15:33	11° <b>m</b> 54'08
min. Earth dist.	6877 Feb 23 01:14	4° Mp 37'31 44.65570 AU	retrograde	6883 Dec 09 21:14	13° <b>m</b> 07'58
direct	6877 May 14 09:35	3° m 37'42	opposition	6884 Mar 01 00:14	12° Mp 05'31 -4°36'20
evening set	6877 Aug 07 18:43	4° m/48'33	min. Earth dist.	6884 Mar 02 08:56	12° Mp 03'52 43.37016 AU
max. Earth dist.	6877 Aug 21 02:10	5° mp 07'24 46.55827 AU	direct	6884 May 21 10:54	11° <b>m</b> 03'04
			evening set	6884 Aug 14 09:02	12° <b>m</b> 15'02
conjunction	6877 Aug 22 06:34	5° mg 09'05 -6°18'02	max. Earth dist.	6884 Aug 28 05:34	12°m/35'09 45.26893 AU
minimum elong	6877 Aug 22 06:42	5° <b>m</b> 09'06 6°18'03			
morning rise	6877 Sep 05 19:56	5° <b>m</b> 29'45	conjunction	6884 Aug 29 17:23	12° Mg 37'20 -4°15'03
retrograde	6877 Dec 02 17:48	6° Mp 42'52	minimum elong	6884 Aug 29 17:29	12° <b>m</b> 37'20 4°15'05
opposition	6878 Feb 23 05:33	5° Mp 41'26 -6°26'09	morning rise	6884 Sep 14 02:58	12° <b>m</b> 59'45
min. Earth dist.	6878 Feb 24 08:07	5°Mp40'08 44.48266 AU	retrograde	6884 Dec 10 06:55	14° <b>m</b> 13'47
direct	6878 May 15 18:36	4° <b>™</b> 40'10	opposition	6885 Mar 02 08:01	13°Mp11'10 -4°17'05
evening set	6878 Aug 08 23:23	5° m 51'07	min. Earth dist.	6885 Mar 03 17:10	13° Mp 09'30 43.17610 AU
max. Earth dist.	6878 Aug 22 07:33	6° Mp 10'05 46.38413 AU	direct	6885 May 22 17:35	12° <b>m</b> 08'32
			evening set	6885 Aug 15 15:54	13° <b>m</b> 20'45
conjunction	6878 Aug 23 14:25	$6^{\circ}$ Mp 11'55 $-6^{\circ}$ 01'12	max. Earth dist.	6885 Aug 29 13:08	13°Mp41'00 45.07466 AU
minimum elong	6878 Aug 23 14:34	6° m 11'56 6°01'14			
morning rise	6878 Sep 07 07:15	6° <b>m</b> 32′50	conjunction	6885 Aug 31 02:27	13° <b>m</b> 43'17 -3°56'28
retrograde	6878 Dec 04 03:38	7° <b>m</b> 46'02	minimum elong	6885 Aug 31 02:32	13° <b>m</b> 43'18 3°56'28
opposition	6879 Feb 24 12:20	6° m 44'28 -6°08'30	morning rise	6885 Sep 15 14:28	14° Mp 05'56
min. Earth dist.	6879 Feb 25 16:42	6° m 43'04 44.30529 AU	retrograde	6885 Dec 11 19:58	15° <b>m</b> 20'12
direct	6879 May 16 23:19	5° m 43'00	opposition	6886 Mar 03 15:57	14° <b>m</b> 17'25 -3°57'33
evening set	6879 Aug 10 04:07	6° Mp 54'04	min. Earth dist.	6886 Mar 05 01:40	14° <b>m</b> 15'43 42.97974 AU
Č	C	•	direct	6886 May 23 21:37	13° <b>m</b> 14'35
conjunction	6879 Aug 24 22:32	7° mp 15'08 -5°44'08	evening set	6886 Aug 16 23:11	14° m) 27'06
minimum elong	6879 Aug 24 22:40	7° mp 15'08 5°44'09	max. Earth dist.	6886 Aug 30 21:38	14° m) 47'31 44.87756 AU
max. Earth dist.	6879 Aug 23 15:22	7° mp 13'16 46.20579 AU			
morning rise	6879 Sep 08 18:23	7° m/36'18	conjunction	6886 Sep 01 11:58	14° m/49'52 -3°37'37
retrograde	6879 Dec 05 12:05	8° Mp 49'36	minimum elong	6886 Sep 01 12:03	14° mp 49'53 3°37'38
opposition	6880 Feb 25 19:14	7° Mp 47'51 -5°50'37	morning rise	6886 Sep 17 02:05	15° Mp 12'45
min. Earth dist.	6880 Feb 27 00:28	7° Mp 46'24 44.12391 AU	retrograde	6886 Dec 13 06:10	16° Mp 27'16
direct	6880 May 17 05:29	6° Mp 46'12	opposition	6887 Mar 05 00:13	15° Mp 24'19 -3°37'45
evening set	6880 Aug 10 09:23	7° Mp 57'25	min. Earth dist.	6887 Mar 06 11:44	15° Mp 22'31 42.78030 AU
max. Earth dist.	6880 Aug 23 22:01	8° Mp 16'45 46.02381 AU	direct	6887 May 25 04:56	13 my 22 31 42.78030 AO 14° my 21'17
max. Larm uist.	5000 11ug 25 22.01	∪ 10.02301 AU	uncet	0001 111ay 23 04.30	17 11/2 LI I

ovening set	6887 Aug 18 06:54	15° <b>m</b> 34'06	opposition	6894 Mar 12 16:39	23° <b>m</b> 29'40 -1°11'41	
evening set max. Earth dist.	6887 Sep 01 06:49	15° m/ 54'41 44.67713 AU	**	6894 Mar 14 11:54	23° m) 27'24 41.27382 A	AII
max. Earm dist.	088/ Sep 01 00.49	13 IIJ 3441 44.0//13 AC	direct		•	10
:	(007 C 02 21.40	1.50 m, 5710 ( 2010122		6894 Jun 01 21:51	22° Mp 24'49	
conjunction	6887 Sep 02 21:49	15° Mp 57'06 -3°18'32	evening set	6894 Aug 26 01:21	23° Mp 40'12	ATT
minimum elong	6887 Sep 02 21:54	15° m 57'07 3°18'32	max. Earth dist.	6894 Sep 09 02:22	24° Mp 01'36 43.16166 A	ΑU
morning rise	6887 Sep 18 13:55	16° Mp 20'13		(004.0 11.01.50	2.40 m 0.4120 00.50100	
retrograde	6887 Dec 14 14:31	17° <b>m</b> 34'59	conjunction	6894 Sep 11 01:52	24° Mp 04'39 -0°58'00	
opposition	6888 Mar 05 08:38	16° m/31'51 -3°17'41	minimum elong	6894 Sep 11 01:54	24° m 04'39 0°57'59	
min. Earth dist.	6888 Mar 06 20:27	16° m/30'02 42.57710 AU	Č	6894 Sep 27 03:03	24° <b>m</b> 29'11	
direct	6888 May 25 15:49	15° <b>m</b> 28'37	retrograde	6894 Dec 22 17:48	25° Mp 46'17	
evening set	6888 Aug 18 15:17	16° <b>m</b> 41'45	opposition	6895 Mar 14 02:46	24° m/41'29 -0°49'45	
max. Earth dist.	6888 Sep 01 14:24	17° mg 02'23 44.47242 AU		6895 Mar 15 22:02	24° Mp 39'12 41.04660 A	<b>A</b> U
			direct	6895 Jun 03 09:01	23° Mp 36'21	
conjunction	6888 Sep 03 07:56	17° <b>m</b> 04'59 -2°59'11	evening set	6895 Aug 27 12:43	24° <b>m</b> 52'14	
minimum elong	6888 Sep 03 08:01	17° <b>m</b> 04'59 2°59'12	max. Earth dist.	6895 Sep 10 12:24	25° Mp 13'40 42.93386 A	<b>A</b> U
morning rise	6888 Sep 19 01:57	17° <b>m</b> 28'19				
retrograde	6888 Dec 14 23:56	18° <b>m</b> 43'22	conjunction	6895 Sep 12 13:44	25° Mp 16'51 -0°36'56	
opposition	6889 Mar 06 17:22	17° Mp 40'02 -2°57'21	minimum elong	6895 Sep 12 13:45	25° mg 16'51 0°36'56	
min. Earth dist.	6889 Mar 08 07:20	17° Mp 38'05 42.36957 AU	_	6895 Sep 28 15:38	25° <b>m</b> 41'33	
direct	6889 May 27 00:48	16° m 36'33	retrograde	6895 Dec 24 08:00	26° ₩ 59'07	
evening set	6889 Aug 19 23:53	17° <b>m</b> 50'00	opposition	6896 Mar 14 13:19	25° m 54'04 -0°27'32	
max. Earth dist.	6889 Sep 03 00:32	18° m 10'50 44.26328 AU	J min. Earth dist.	6896 Mar 16 09:29	25° m 51'44 40.81787 A	<b>A</b> U
			direct	6896 Jun 03 16:03	24° <b>m</b> 48'39	
conjunction	6889 Sep 04 18:26	18° m 13'28 -2°39'36	evening set	6896 Aug 28 00:34	26° Mp 05'04	
minimum elong	6889 Sep 04 18:30	18° m 13'28 2°39'37	max. Earth dist.	6896 Sep 11 00:27	26° m 26'38 42.70438 A	<b>A</b> U
morning rise	6889 Sep 20 13:57	18° m 37'00				
retrograde	6889 Dec 16 09:12	19° <b>m</b> 52'21	conjunction	6896 Sep 13 02:06	26° m/29'51 -0°15'38	
opposition	6890 Mar 08 02:24	18° mp 48'48 -2°36'45	minimum elong	6896 Sep 13 02:06	26° m/29'51 0°15'38	
min. Earth dist.	6890 Mar 09 16:59	18° <b>m</b> 46'49 42.15758 AU	J behind sun begin	6896 Sep 13 01:11	26° <b>m</b> 29'48	
direct	6890 May 28 10:09	17° <b>m</b> 45'04	behind sun end	6896 Sep 13 03:01	26° <b>m</b> 29'55	
evening set	6890 Aug 21 08:53	18° <b>m</b> 58'51	morning rise	6896 Sep 29 04:09	26° <b>m</b> 54'44	
max. Earth dist.	6890 Sep 04 08:53	19° <b>m</b> 19'45 44.04984 AU	J retrograde	6896 Dec 24 21:06	28° <b>m</b> 12'47	
			opposition	6897 Mar 16 00:08	27° Mp 07'30 -0°05'04	
conjunction	6890 Sep 06 04:51	19° <b>m</b> 22'31 -2°19'47	min. Earth dist.	6897 Mar 17 21:14	27° <b>m</b> 05'06 40.58758 A	<b>A</b> U
minimum elong	6890 Sep 06 04:54	19° <b>m</b> 22'31 2°19'47	direct	6897 Jun 05 00:59	26° № 01'49	
morning rise	6890 Sep 22 02:02	19° <b>m</b> 46'17	asc. node	6897 Jun 05 22:48	26° Mp 01'50	
retrograde	6890 Dec 17 22:08	21° Mp 01'55	evening set	6897 Aug 29 12:59	27° <b>m</b> 18'47	
opposition	6891 Mar 09 11:37	19° m 58'08 -2°15'54	max. Earth dist.	6897 Sep 12 12:21	27° m/40'28 42.47351 A	<b>4</b> U
min. Earth dist.	6891 Mar 11 03:25	19° m 56'05 41.94157 AU	J			
direct	6891 May 29 16:47	18° <b>m</b> 54'08	conjunction	6897 Sep 14 14:40	27° m 43'45 0°06'00	
evening set	6891 Aug 22 18:22	20° <b>m</b> 08'17	minimum elong	6897 Sep 14 14:40	27° m 43'45 0°06'00	
max. Earth dist.	6891 Sep 05 18:42	20°m/29'18 43.83233 AU	J behind sun begin	6897 Sep 14 08:29	27° <b>m</b> 43'22	
			behind sun end	6897 Sep 14 20:51	27° <b>m</b> 44'08	
conjunction	6891 Sep 07 15:49	20° m 32'09 -1°59'42	morning rise	6897 Sep 30 16:56	28° <b>m</b> 08'47	
minimum elong	6891 Sep 07 15:52	20° m/32'09 1°59'43	retrograde	6897 Dec 26 11:57	29° <b>m</b> 27'21	
morning rise	6891 Sep 23 14:14	20° m 56'06	opposition	6898 Mar 17 11:14	28° Mp 21'50 0°17'40	
retrograde	6891 Dec 19 10:15	22° m/ 12'04	min. Earth dist.	6898 Mar 19 08:23	28° m 19'26 40.35582 A	<b>4</b> U
opposition	6892 Mar 09 21:01	21°Mp08'02 -1°54'46	direct	6898 Jun 06 12:02	27° m 15'54	
min. Earth dist.	6892 Mar 11 14:28	21° m 05'53 41.72182 AU	J evening set	6898 Aug 31 01:56	28° m 33'28	
direct	6892 May 30 01:28	20° m 03'46	max. Earth dist.	6898 Sep 13 23:36	28° m 55'11 42.24067 A	<b>4</b> U
evening set	6892 Aug 23 04:18	21° m/ 18'18				
max. Earth dist.	6892 Sep 06 05:06	21° m/39'27 43.61150 AU	J conjunction	6898 Sep 16 03:33	28° m 58'36 0°27'45	
			minimum elong	6898 Sep 16 03:32	28° m 58'36 0°27'45	
conjunction	6892 Sep 08 02:58	21° m/42'22 -1°39'23	morning rise	6898 Oct 02 05:45	29° <b>m</b> 23'48	
minimum elong	6892 Sep 08 03:01	21° m/42'22 1°39'23		6898 Oct 27 13:57	0∘ <b>亚</b>	
morning rise	6892 Sep 24 02:33	22° Mp 06'31	retrograde	6898 Dec 28 02:06	0° <b>£</b> 42'56	
retrograde	6892 Dec 19 22:09	23° m 22'49		6899 Feb 28 18:37	30° <b>₽,™</b>	
opposition	6893 Mar 11 06:37	22° m 18'32 -1°33'22	opposition	6899 Mar 18 22:50	29° m/37'10 0°40'40	
min. Earth dist.	6893 Mar 13 00:06	22° m/16'23 41.49907 AU	J min. Earth dist.	6899 Mar 20 21:53	29° m/34'39 40.12192 A	<b>A</b> U
direct	6893 May 31 11:35	21° m 13'58	direct	6899 Jun 07 23:53	28° m/30'58	
evening set	6893 Aug 24 14:38	22° m 28'55	evening set	6899 Sep 01 15:37	29° <b>m</b> 49'11	
max. Earth dist.	6893 Sep 07 14:30	22° m 50'08 43.38769 AU	J	6899 Sep 08 14:11	0∘ <b>⊽</b>	
	-		max. Earth dist.	6899 Sep 15 13:03	0° <b>£</b> 11'01 42.00534 A	<b>A</b> U
conjunction	6893 Sep 09 14:11	22°m/53'11 -1°18'49				
minimum elong	6893 Sep 09 14:13	22° m 53'11 1°18'49	conjunction	6899 Sep 17 17:07	0° <b>£</b> 14'28 0°49'45	
morning rise	6893 Sep 25 14:45	23° m 17'31	minimum elong	6899 Sep 17 17:05	0° <b>£</b> 14'28 0°49'45	
retrograde	6893 Dec 21 08:13	24° m/34'13	morning rise	6899 Oct 03 18:52	0° <b>ჲ</b> 39'48	

retrograde	6899 Dec 29 14:09	1° <b>≏</b> 59'31		max. Earth dist.	6906 Sep 25	14:34	9° <b>≏</b> 28'11	40.27421 AU
opposition	6900 Mar 20 10:34	0° <b>ჲ</b> 53'31 1	°03'55		•			
min. Earth dist.	6900 Mar 22 09:47	0° <b>ჲ</b> 50'59 39	9.88522 AU	conjunction	6906 Sep 28	02:24	9° <b>≏</b> 32'21	3°29'58
	6900 May 07 15:35	30°R, <b>m</b> p		minimum elong	6906 Sep 28	02:17	9° <b>≏</b> 32'21	3°29'59
direct	6900 Jun 09 13:03	29° <b>m</b> 47'01		morning rise	6906 Oct 13	18:36	9° <b>≏</b> 58'19	
	6900 Jul 11 23:45	0∘ <b>⊽</b>		retrograde	6907 Jan 09	01:09 11	1° <b>≏</b> 22'54	
evening set	6900 Sep 03 06:10	1° <b>≏</b> 05'54		opposition	6907 Mar 30	08:20 10	)° <b>≙</b> 14'38	3°53'23
max. Earth dist.	6900 Sep 17 00:34	1° <b>≏</b> 27'41 41	1.76683 AU	min. Earth dist.	6907 Apr 01	14:06 10	)° <b>≏</b> 11'38	38.14991 AU
				direct	6907 Jun 19	06:54	9° <b>ഫ</b> 05'34	
conjunction	6900 Sep 19 06:59	1° <b>മ</b> 31'19 1	°12'00	evening set	6907 Sep 14	05:00 10	)° <b>≏</b> 29'55	
minimum elong	6900 Sep 19 06:57	1° <b>≏</b> 31'19 1	°12'01	max. Earth dist.	6907 Sep 27	05:54 10	)° <b>£</b> 51'36	40.02004 AU
morning rise	6900 Oct 05 08:18	1° <b>≏</b> 56'48						
retrograde	6900 Dec 31 04:06	3° <b>≙</b> 17′08		conjunction	6907 Sep 29	19:03 10	)° <b>≙</b> 55'54	3°53'37
opposition	6901 Mar 21 22:54	2° <b>≙</b> 10'52 1	°27'25	minimum elong	6907 Sep 29	18:56 10	)° <b>£</b> 55'53	3°53'38
min. Earth dist.	6901 Mar 23 23:53	2° <b>₾</b> 08'13 39	9.64531 AU	morning rise	6907 Oct 15	08:55	1° <b>≏</b> 21'53	
direct	6901 Jun 10 23:26	1° <b>ഫ</b> 04'03		retrograde	6908 Jan 10		2° <b>≏</b> 47'19	
evening set	6901 Sep 04 21:01	2° <b>₽</b> 23'37		opposition	6908 Mar 30		1° <b>≏</b> 38'43	
max. Earth dist.	6901 Sep 18 14:18	2° <b>≏</b> 45'28 41	1.52479 AU	min. Earth dist.	6908 Apr 02			37.89668 AU
				direct	6908 Jun 19		)° <b>≏</b> 29'15	
conjunction	6901 Sep 20 21:15		.°34'28	evening set	6908 Sep 15		1° <b>≙</b> 54'33	
minimum elong	6901 Sep 20 21:12		.°34'28	max. Earth dist.	6908 Sep 27	22:45 12	2° <b>≏</b> 16'12	39.76567 AU
morning rise	6901 Oct 06 21:33	3° <b>≙</b> 14'45						
retrograde	6902 Jan 01 18:18	4° <b>Ω</b> 35'44		conjunction	6908 Sep 30		2° <b>≏</b> 20'33	4°17'27
opposition	6902 Mar 23 11:37		°51'10	minimum elong	6908 Sep 30		2° <b>≏</b> 20'32	4°17'27
min. Earth dist.	6902 Mar 25 13:35	3° <b>£</b> 26′28 39	9.40190 AU	morning rise	6908 Oct 15		2° <b>≏</b> 46'33	
direct	6902 Jun 12 10:22	2° <b>£</b> 22'02		retrograde	6909 Jan 11		1° <b>≙</b> 12'53	
evening set	6902 Sep 06 12:42	3° <b>Ω</b> 42'18		opposition	6909 Apr 01		3° <b>ഫ</b> 03'56	
max. Earth dist.	6902 Sep 20 03:20	4° <b>£</b> 04'08 41	1.27951 AU	min. Earth dist.	6909 Apr 03			37.64348 AU
	(000 G 00 11 50	40.000	0.55100	direct	6909 Jun 21		1° <b>£</b> 54'06	
conjunction	6902 Sep 22 11:52		°57'09	evening set	6909 Sep 16		3° <b>Ω</b> 20'26	20.51150.411
minimum elong	6902 Sep 22 11:48		°57'10	max. Earth dist.	6909 Sep 29	16:06 13	3° <b>32</b> 42'01	39.51150 AU
morning rise	6902 Oct 08 11:14	4° <b>£</b> 33'39		:	(000 0-4 02	05.40 13	00 0 46105	49.4112.5
retrograde	6903 Jan 03 11:37	5° <b>£</b> 55'17	0015110	conjunction	6909 Oct 02		8° <b>Ω</b> 46'25 8° <b>Ω</b> 46'24	4°41'25 4°41'26
opposition min. Earth dist.	6903 Mar 25 00:29 6903 Mar 27 03:04	4° <b>£</b> 48'25 2 4° <b>£</b> 45'39 39	2°15'10	minimum elong	6909 Oct 02 6909 Oct 17		1° <b>2</b> 12'24	4 41 20
direct	6903 Mai 27 03:04 6903 Jun 13 20:14	4 <b>≗</b> 43 39 35 3° <b>£</b> 40'54	9.13333 AU	morning rise retrograde	6910 Jan 13		5° <b>£</b> 39'42	
evening set	6903 Sep 08 05:01	5° <b>£</b> 01'55		opposition	6910 Apr 03		1° <b>⊆</b> 3942	5°09'06
max. Earth dist.	6903 Sep 21 16:58	5° <b>£</b> 23'43 41	1 03115 ATT	min. Earth dist.	6910 Apr 05			37.39050 AU
max. Earth dist.	0903 Sep 21 10.38	3 == 23 43 41	1.03113 AO	direct	6910 Jun 22		3° <u>₽</u> 20'13	37.39030 AU
conjunction	6903 Sep 24 02:58	5° <b>£</b> 27'40 2	2°20'04	evening set	6910 Sep 18		1° <b>ユ</b> 2013	
minimum elong	6903 Sep 24 02:54		2°20'04	max. Earth dist.	6910 Oct 01			39.25715 AU
morning rise	6903 Oct 10 00:58	5° <b>£</b> 53'27		man. Barar alge.	0,10 000 01	00.02	_0,0.	33.20710110
retrograde	6904 Jan 05 03:29	7° <b>≙</b> 15'46		conjunction	6910 Oct 04	00:01 1:	5° <b>≏</b> 13'36	5°05'30
opposition	6904 Mar 25 13:57	6° <b>£</b> 08'33 2	2°39'23	minimum elong	6910 Oct 03			5°05'31
min. Earth dist.	6904 Mar 27 18:18	6° <b>£</b> 05'41 38	8.90645 AU	morning rise	6910 Oct 19		5° <b>≏</b> 39'34	
direct	6904 Jun 14 09:39	5° <b>ഫ</b> 00'40		retrograde	6911 Jan 15	04:17 17	7° <b>≏</b> 07'53	
evening set	6904 Sep 08 21:58	6° <b>₽</b> 22'28		opposition	6911 Apr 04	23:18 15	5° <b>≙</b> 58'17	5°34'39
max. Earth dist.	6904 Sep 22 08:14	6° <b>£</b> 44'18 40	0.78042 AU	min. Earth dist.	6911 Apr 07			37.13729 AU
				direct	6911 Jun 24	15:31 14	<b>1°≏</b> 47'42	
conjunction	6904 Sep 24 18:27	6° <b>≏</b> 48'17 2	2°43'10	evening set	6911 Sep 20	17:41 16	6° <b>മ</b> 16'16	
minimum elong	6904 Sep 24 18:22	6° <b>≏</b> 48'17 2	2°43'11	max. Earth dist.	6911 Oct 03	04:05 16	5° <b>≏</b> 37'39	39.00220 AU
morning rise	6904 Oct 10 14:47	7° <b>≏</b> 14'09						
retrograde	6905 Jan 05 19:02	8° <b>≏</b> 37'10		conjunction	6911 Oct 05	18:56 16	5° <b>≏</b> 42'12	5°29'43
opposition	6905 Mar 27 03:33		3°03'50	minimum elong	6911 Oct 05	18:46 16	5° <b>ഫ</b> 42'11	5°29'45
min. Earth dist.	6905 Mar 29 07:49	7° <b>≙</b> 26'44 38	8.65537 AU	morning rise	6911 Oct 20	19:21 17	7° <b>ഫ</b> 08'06	
direct	6905 Jun 16 01:53	6° <b>≏</b> 21'20		retrograde	6912 Jan 16	22:57 18	3° <b>≏</b> 37'30	
evening set	6905 Sep 10 15:39	7° <b>≏</b> 43'57		opposition	6912 Apr 05		7° <b>م</b> 27'34	
max. Earth dist.	6905 Sep 23 22:01	8° <b>£</b> 05'41 40	0.52786 AU	min. Earth dist.	6912 Apr 08			36.88319 AU
				direct	6912 Jun 25		5° <b>≏</b> 16'37	
conjunction	6905 Sep 26 10:12		3°06'28	evening set	6912 Sep 21		7° <b>Ω</b> 46'23	
minimum elong	6905 Sep 26 10:06		3°06'29	max. Earth dist.	6912 Oct 03	21:22 18	ദ° <b>ഫ</b> 07'30	38.74598 AU
morning rise	6905 Oct 12 04:44	8° <b>Ω</b> 35'45						
retrograde	6906 Jan 07 10:58	9° <b>£</b> 59'32	00000	conjunction	6912 Oct 06		3° <b>£</b> 12'14	
opposition	6906 Mar 28 17:45		3°28'30	minimum elong	6912 Oct 06		3° <b>£</b> 12'13	5°54'04
min. Earth dist.	6906 Mar 30 23:32	8° <b>Ω</b> 48'38 38	8.40304 AU	morning rise	6912 Oct 21		3° <b>£</b> 38'04	
direct	6906 Jun 17 15:50	7° <b>£</b> 42'57		retrograde	6913 Jan 17		)° <b>Ω</b> 08'36	(02(100
evening set	6906 Sep 12 09:46	9° <b>≏</b> 06'24		opposition	6913 Apr 07	U9:36 18	3° <b>≏</b> 58′20	0-20:09

: E 4 E 4	(012 A 00 10 44	100 0 5 4150	27 (2702 ATT		(010 N 01 02 06	200 0 40100	
min. Earth dist.	6913 Apr 09 19:44		36.62782 AU	morning rise	6919 Nov 01 02:06	29° <b>Ω</b> 48'08	
direct	6913 Jun 27 01:02	17° <b>Ω</b> 46'59		_	6919 Nov 07 15:15	0°M	
evening set	6913 Sep 23 17:50	19° <b>≏</b> 18'00		retrograde	6920 Jan 30 09:09	1°M27'58	
max. Earth dist.	6913 Oct 05 17:16	19° <b>≏</b> 38'57	38.48818 AU	opposition	6920 Apr 18 05:34	0° <b>™</b> 14'56	9°28'27
				min. Earth dist.	6920 Apr 20 18:56	0°M11'12	34.82232 AU
conjunction	6913 Oct 08 10:25	19° <b>≏</b> 43'45	6°18'27		6920 Apr 28 12:48	30° <b>₹</b> Ω	
minimum elong	6913 Oct 08 10:13	19° <b>≙</b> 43'44	6°18'29	direct	6920 Jul 07 15:01	29° <b>♀</b> 00'25	
morning rise	6913 Oct 23 01:57	20° <b>≏</b> 09'28			6920 Sep 13 03:34	0°M	
retrograde	6914 Jan 19 14:23	21° <b>≏</b> 41'10		evening set	6920 Oct 07 02:35	0°M41'47	
opposition	6914 Apr 09 04:12	20° <b>£</b> 30'33	6°52'05	max. Earth dist.	6920 Oct 17 02:14	1°M,00'26	36.66936 AU
min. Earth dist.	6914 Apr 11 14:40		36.37091 AU				
direct	6914 Jun 28 18:07	19° <b>£</b> 18'47	30.37071710	conjunction	6920 Oct 19 23:16	1°M05'51	9°09'56
evening set	6914 Sep 25 19:21	20° <b>£</b> 51'05		minimum elong	6920 Oct 19 22:59	1°M05'50	9°09'57
•			20 22000 411	C			9 09 37
max. Earth dist.	6914 Oct 07 12:31	21°==11'46	38.22899 AU	morning rise	6920 Nov 01 18:31	1°M29'51	
		<u>_</u>		retrograde	6921 Jan 31 07:50	3°M11'18	
conjunction	6914 Oct 10 06:53	21° <b>≏</b> 16'42	6°42'56	opposition	6921 Apr 20 04:08	1°M57'52	
minimum elong	6914 Oct 10 06:41	21° <b>≏</b> 16'41	6°42'57	min. Earth dist.	6921 Apr 22 17:38	1°M54'06	34.56875 AU
morning rise	6914 Oct 24 17:36	21° <b>≏</b> 42'18		direct	6921 Jul 09 11:33	0° <b>™</b> 42'54	
retrograde	6915 Jan 21 13:15	23° <b>≙</b> 15′13		evening set	6921 Oct 09 11:54	2°M26'02	
opposition	6915 Apr 10 22:56	22° <b>₽</b> 04'13	7°18'05	max. Earth dist.	6921 Oct 19 02:56	2°M44'12	36.41472 AU
min. Earth dist.	6915 Apr 13 09:46	22° <b>ჲ</b> 00'46	36.11280 AU				
direct	6915 Jun 30 10:39	20° <b>£</b> 52'01		conjunction	6921 Oct 22 00:13	2°M49'42	9°34'06
evening set	6915 Sep 27 21:56	22° <b>₽</b> 25'40		minimum elong	6921 Oct 21 23:55	2°M49'40	9°34'09
max. Earth dist.	6915 Oct 09 08:43	22° <b>£</b> 46'05	37.96845 AU	morning rise	6921 Nov 03 11:17	3°M13'17	
				retrograde	6922 Feb 02 10:45	4°ጤ56'24	
conjunction	6915 Oct 12 04:14	22° <b>ჲ</b> 51'08	7°07'29	opposition	6922 Apr 22 03:15	3°M42'35	10°20'02
minimum elong	6915 Oct 12 04:01	22° <b>⊆</b> 51'07	7°07'31	min. Earth dist.	6922 Apr 24 16:10		34.31788 AU
morning rise	6915 Oct 26 09:27	23° <b>⊆</b> 16'33	7 07 31	direct	6922 Jul 11 07:48	2°M27'10	34.31766 AC
-	6916 Jan 23 11:31	24° <b>£</b> 50'44		evening set	6922 Oct 11 22:19	4°M12'10	
retrograde			7044110	•			26 16244 AII
opposition	6916 Apr 11 18:16	23° <b>Ω</b> 39'21	7°44'10	max. Earth dist.	6922 Oct 21 04:19	4*11629'48	36.16244 AU
min. Earth dist.	6916 Apr 14 06:41		35.85375 AU		6000 O . 04 O1 50	40 <b>m</b> 25122	00.5010.6
direct	6916 Jul 01 04:01	22° <b>Ω</b> 26'42		conjunction	6922 Oct 24 01:58	4°M35'22	9°58'06
evening set	6916 Sep 29 01:34	24° <b>Ω</b> 01'46		minimum elong	6922 Oct 24 01:39	4°M35'21	9°58'08
max. Earth dist.	6916 Oct 10 06:31	24° <b>£</b> 21'55	37.70733 AU	morning rise	6922 Nov 05 04:12	4°M58'30	
				retrograde	6923 Feb 04 13:35	6°M43'23	
conjunction	6916 Oct 13 02:04	24° <b>£</b> 27′01	7°32'03	opposition	6923 Apr 24 03:17	5° <b>™</b> 29'10	10°45'32
minimum elong	6916 Oct 13 01:49	24° <b>≙</b> 27'00	7°32'04	min. Earth dist.	6923 Apr 26 17:16	5° <b>™</b> 25'20	34.06929 AU
morning rise	6916 Oct 27 01:25	24° <b>≏</b> 52'14		direct	6923 Jul 13 05:23	4° <b>ጤ</b> 13'19	
retrograde	6917 Jan 24 10:42	26° <b>≏</b> 27'44		evening set	6923 Oct 14 10:23	6° <b>™</b> 00'17	
opposition	6917 Apr 13 14:08	25° <b>≙</b> 15'57	8°10'17	max. Earth dist.	6923 Oct 23 07:28	6°M17′23	35.91228 AU
min. Earth dist.	6917 Apr 16 02:06	25° <b>£</b> 12'23	35.59452 AU				
direct	6917 Jul 03 01:04	24° <b>₽</b> 02'50		conjunction	6923 Oct 26 04:35	6°M22'58	10°21'52
evening set	6917 Oct 01 06:04	25° <b>Ω</b> 39'23		minimum elong	6923 Oct 26 04:16	6°M22'56	10°21'55
max. Earth dist.	6917 Oct 12 03:11		37.44613 AU	morning rise	6923 Nov 06 21:23	6°M45'34	
				retrograde	6924 Feb 06 18:47	8°M32'17	
conjunction	6917 Oct 15 00:15	26° <b>₽</b> 04'24	7°56'37	opposition	6924 Apr 25 03:51	7°M17'42	11°10'48
minimum elong	6917 Oct 15 00:19	26° <b>⊆</b> 04'23	7°56'39	min. Earth dist.	6924 Apr 27 17:13		33.82264 AU
morning rise	6917 Oct 28 17:25	26° <b>⊆</b> 29'22	7 3037	direct	6924 Jul 14 07:17	6°M01'24	33.02204710
retrograde	6918 Jan 26 10:40	28° <b>⊆</b> 06'15		evening set	6924 Oct 15 23:47	7°M50'24	
opposition		26° <b>£</b> 54'02	0026122	max. Earth dist.			35.66368 AU
	6918 Apr 15 10:43			max. Earth dist.	6924 Oct 24 09:28	8 11600 40	33.00308 AU
min. Earth dist.	6918 Apr 18 00:01		35.33575 AU		(004.0 + 07.07.57	00 <b>m</b> 10121	10045100
direct	6918 Jul 04 21:31	25° <b>Ω</b> 40'28		conjunction	6924 Oct 27 07:57	8°M12'31	10°45'22
evening set	6918 Oct 03 11:42	27° <b>Ω</b> 18'33		minimum elong	6924 Oct 27 07:38	8°M12'29	10°45'24
max. Earth dist.	6918 Oct 14 03:03	27° <b>£</b> 38'02	37.18564 AU	morning rise	6924 Nov 07 14:50	8°M34'32	
				retrograde	6925 Feb 08 01:00	10°M23'10	
conjunction	6918 Oct 16 23:19	27° <b>≏</b> 43'18	8°21'08	opposition	6925 Apr 27 05:28	9° <b>™</b> 08'11	11°35'48
minimum elong	6918 Oct 16 23:03	27° <b>≏</b> 43'16	8°21'10	min. Earth dist.	6925 Apr 29 20:02	9° <b>M</b> 04'16	33.57755 AU
morning rise	6918 Oct 30 09:34	28° <b>≏</b> 07'59		direct	6925 Jul 16 07:57	7°M51'26	
retrograde	6919 Jan 28 09:09	29° <b>≏</b> 46'18		evening set	6925 Oct 18 14:29	9°M42'33	
opposition	6919 Apr 17 07:46	28° <b>≏</b> 33'41	9°02'27	max. Earth dist.	6925 Oct 26 14:22	9° <b>M</b> 58'16	35.41644 AU
min. Earth dist.	6919 Apr 19 20:37	28° <b>ჲ</b> 30′00	35.07809 AU				
direct	6919 Jul 06 19:22	27° <b>≏</b> 19'38		conjunction	6925 Oct 29 12:04	10°M04'01	11°08'35
evening set	6919 Oct 05 18:39	28° <b>≙</b> 59'19		minimum elong	6925 Oct 29 11:44	10°M03'59	11°08'38
max. Earth dist.	6919 Oct 16 01:24		36.92655 AU	morning rise	6925 Nov 09 08:08	10°M25'23	
				retrograde	6926 Feb 10 04:46	12°M16'01	
conjunction	6919 Oct 18 22:55	29° <b>£</b> 23'45	8°45'35	opposition	6926 Apr 29 07:50	11°ML00'37	12°00'29
minimum elong	6919 Oct 18 22:39	29° <b>⊆</b> 23'44		min. Earth dist.	6926 May 01 21:59		33.33374 AU
minimum clong	5717 500 10 22.39	27 -23 74	5 15 50	min. Durin dist.	5720 May 01 21.59	10 11030 71	55.55517 AU

direct	6926 Jul 18 10:38	9°M43'24		conjunction	6932 Nov 12 14:59	23°M58'03	13°38'15
evening set	6926 Oct 21 06:53	11°M36'42		minimum elong	6932 Nov 12 14:38	23°M58'01	13°38'18
max. Earth dist.	6926 Oct 28 17:59	11°M51'32	35.17058 AU	morning rise	6932 Nov 19 08:46	24°M12'19	
				retrograde	6933 Feb 24 11:53	26°M19'33	
conjunction	6926 Oct 31 16:59	11°M57'26	11°31'27	opposition	6933 May 12 22:13	25°M01'08	14°39'19
minimum elong	6926 Oct 31 16:38	11°M57'25	11°31'29	min. Earth dist.	6933 May 15 10:52		31.70278 AU
morning rise	6926 Nov 11 01:50	12°M18'05		direct	6933 Jul 31 18:03	23°M40'29	
retrograde	6927 Feb 12 10:48	14°M10'46		evening set	6933 Nov 09 01:18	25°M52'15	
opposition	6927 May 01 10:49	12°M54'58	12°24'48	max. Earth dist.	6933 Nov 12 04:34	25°M58'56	33.53289 AU
min. Earth dist.	6927 May 04 01:34		33.09153 AU				
direct	6927 Jul 20 11:59	11°M37'15		conjunction	6933 Nov 15 01:09	26°M05'03	13°56'59
evening set	6927 Oct 24 00:46	13°M32'51		minimum elong	6933 Nov 15 00:48	26°M05'01	13°57'03
max. Earth dist.	6927 Oct 31 00:23	13°IIL46'51	34.92628 AU	morning rise	6933 Nov 21 00:02	26°M17'45	
				retrograde	6934 Feb 27 00:53	28°M27'56	
conjunction	6927 Nov 02 22:53	13°M52'47	11°53'56	opposition	6934 May 15 07:02	27°M09'09	14°59'05
minimum elong	6927 Nov 02 22:32	13°M52'45	11°54'00	min. Earth dist.	6934 May 17 19:26		31.48917 AU
morning rise	6927 Nov 12 19:31	14°M 12'37		direct	6934 Aug 03 01:34	25°M48'04	
_	6927 Dec 07 17:33	15°M		evening set	6934 Nov 12 10:03	28°M03'11	
retrograde	6928 Feb 14 15:40	16°M07'27		max. Earth dist.	6934 Nov 14 17:58	28°M08'12	33.31963 AU
	6928 Apr 26 21:21	15°RM₊					
opposition	6928 May 02 14:49	14°M51'13	12°48'42	conjunction	6934 Nov 17 12:28	28°M14'10	14°14'50
min. Earth dist.	6928 May 05 05:54		32.85110 AU	minimum elong	6934 Nov 17 12:08	28°M14'08	14°14'52
direct	6928 Jul 21 14:27	13°M33'00		morning rise	6934 Nov 22 13:58	28°M25'05	
	6928 Oct 10 01:41	15° <b>M</b> ₊			6935 Jan 11 06:26	0° <b>∡</b>	
evening set	6928 Oct 25 20:16	15°M30'58		retrograde	6935 Mar 01 11:38	0° <b>≯</b> 38'26	
max. Earth dist.	6928 Nov 01 06:20	15°M43'59	34.68422 AU		6935 Apr 21 02:37	30°RML	
				opposition	6935 May 17 16:37	29°M19'19	15°17'53
conjunction	6928 Nov 04 05:15	15°M50'00	12°15'58	min. Earth dist.	6935 May 20 04:00		31.28178 AU
minimum elong	6928 Nov 04 04:54	15°M49'58	12°16'01	direct	6935 Aug 05 10:43	27°M57'50	
morning rise	6928 Nov 13 13:01	16°M08'56			6935 Nov 08 06:11	0°⊀	
retrograde	6929 Feb 15 23:12	18°M06'02		evening set	6935 Nov 15 23:12	0° <b>≯</b> 16'39	
opposition	6929 May 04 19:25	16°M49'21	13°12'07	max. Earth dist.	6935 Nov 17 06:05	0° <b>∡</b> 19'27	33.11275 AU
min. Earth dist.	6929 May 07 09:56		32.61331 AU				
direct	6929 Jul 23 17:13	15°M30'38		conjunction	6935 Nov 20 00:30	0° <b>≯</b> 25'29	14°31'43
evening set	6929 Oct 28 17:17	17°M31'05		minimum elong	6935 Nov 20 00:09	0° <b>≯</b> 25'27	14°31'47
max. Earth dist.	6929 Nov 03 13:41	17°M43'03	34.44493 AU	morning rise	6935 Nov 24 01:00	0° <b>∡</b> ³34'14	
				retrograde	6936 Mar 03 01:14	2° <b>≯</b> 51'08	
conjunction	6929 Nov 06 12:33	17° <b>M</b> 49'07	12°37'30	opposition	6936 May 19 03:08	1° <b>≯</b> 31'41	15°35'39
minimum elong	6929 Nov 06 12:11	17°M49'06	12°37'34	min. Earth dist.	6936 May 21 13:42		31.08063 AU
morning rise	6929 Nov 15 06:29	18°M07'05		direct	6936 Aug 06 19:19	0° <b>√</b> 09'49	
retrograde	6930 Feb 18 05:44	20°M06'31		evening set	6936 Nov 18 20:37	2° <b>₹</b> 33'04	
opposition	6930 May 07 00:55	18°M49'23	13°34'57	max. Earth dist.	6936 Nov 18 20:37	2° <b>҂</b> ′33'04	32.91186 AU
min. Earth dist.	6930 May 09 16:05		32.37874 AU				
direct	6930 Jul 25 21:23	17°M30'10		conjunction	6936 Nov 21 13:23	2°×39'00	14°47'35
evening set	6930 Oct 31 16:15	19°M33'13		minimum elong	6936 Nov 21 13:04	2°×38'58	14°47'38
max. Earth dist.	6930 Nov 05 22:34	19°11L44'06	34.20943 AU	morning rise	6936 Nov 24 05:26	2° <b>×</b> <sup>7</sup> 44'52	
	(020 ) 00 20 22	100 <b>M</b> 50100	12050126	retrograde	6937 Mar 05 13:55	5°×706'01	15052110
conjunction	6930 Nov 08 20:32	19°M50'09		opposition	6937 May 21 14:41	3° <b>х</b> 46′14	
minimum elong	6930 Nov 08 20:11	19°M50'07	12°58'29	min. Earth dist.	6937 May 24 01:00		30.88522 AU
morning rise	6930 Nov 16 23:37	20°M07'00		direct	6937 Aug 09 04:23	2°×724'00	22.71.605.444
retrograde	6931 Feb 20 15:13	22°M08'54	12057110	max. Earth dist.	6937 Nov 21 10:51	4° <b>×</b> '48'43	32.71695 AU
opposition	6931 May 09 07:07	20°M51'20		· · · · · · · · · · · ·	(027 N 24 02-02	49.754120	15002122
min. Earth dist.	6931 May 11 20:57		32.14826 AU	conjunction	6937 Nov 24 03:02	4° 🗷 54'39	15°02'22
direct	6931 Jul 28 03:55	19°M31'36		minimum elong	6937 Nov 24 02:43	4° 🖈 54'37	15°02'27
evening set	6931 Nov 03 17:00	21°M37'24	22 07027 ATT	retrograde	6938 Mar 08 04:53	7°×122'59	1.6907147
max. Earth dist.	6931 Nov 08 07:08	21 IIL4039	33.97827 AU	opposition	6938 May 24 02:51	6° ₹ 02'54	16°07'47 30.69562 AU
. ,.	(021 N 11 05 21	210M 52106	12010142	min. Earth dist.	6938 May 26 11:40		30.09302 AU
conjunction	6931 Nov 11 05:21	21°M.53'06	13°18'43	direct	6938 Aug 11 14:47	4° <b>×</b> <sup>7</sup> 40'16	22 52701 417
minimum elong	6931 Nov 11 04:59	21°M53'05	13°18'47	max. Earth dist.	6938 Nov 24 02:17	/°×'06'2'/	32.52781 AU
morning rise	6931 Nov 18 16:34	22°M08'45			6020 N 26 17 20	70.711000	15017102
retrograde	6932 Feb 23 00:50	24°MJ3'14	14010120	conjunction	6938 Nov 26 17:38	7° ₹ 12'22	15°16'02
opposition	6932 May 10 14:13	22°M55'14		minimum elong	6938 Nov 26 17:21	7°×12'20	15°16'05
min. Earth dist.	6932 May 13 04:34		31.92268 AU	retrograde	6939 Mar 10 18:09	9° <b>×</b> 741'59	1.0000100
direct	6932 Jul 29 09:17	21°M35'01		opposition	6939 May 26 16:07	8°×21'34	16°22'02
evening set	6932 Nov 05 20:04	23°M43'42	22 75255 433	min. Earth dist.	6939 May 29 01:02		30.51170 AU
max. Earth dist.	6932 Nov 09 18:36	25°11L52'01	33.75255 AU	direct	6939 Aug 14 02:49	6° 🖈 58'33	22 24400 433
				max. Earth dist.	6939 Nov 26 19:02	9° <b>x</b> °26'12	32.34480 AU

conjunction	6939 Nov 29 08:54	9° <b>∡</b> 32'01	15°28'28	retrograde	6948 Apr 01 11:42	1° <b>る</b> 44'38	
minimum elong	6939 Nov 29 08:38	9° 🖈 32'00	15°28'32	opposition	6948 Jun 16 22:57	0°る21'49	17°20'23
retrograde	6940 Mar 12 10:14	12° <b>₹</b> 02'52	13 2032	min. Earth dist.	6948 Jun 18 17:00	0° <b>る</b> 18'51	
opposition	6940 May 28 06:01	10° <b>x</b> 42'07	16°34'57	iiiii. Latui dist.	6948 Jun 29 23:05	30°R.★	29.20734 AU
min. Earth dist.	6940 May 30 13:01		30.33385 AU	direct	6948 Sep 04 08:15	28° <b>×</b> 756'11	
direct	6940 Aug 15 17:02	9°×18'43	30.33303 110	uncet	6948 Nov 06 10:20	0°중	
max. Earth dist.	6940 Nov 28 11:35		32.16821 AU	max. Earth dist.	6948 Dec 19 08:17		31.07279 AU
max. Bartii dist.	0) 10 1101 20 11.55	11 7 17 13	32.10021710	max. Earth dist.	0) 10 Bec 1) 00.17	1 03130	31.07277110
conjunction	6940 Dec 01 00:53	11° <b>₹</b> 53'31	15°39'37	conjunction	6948 Dec 21 04:13	1° <b>る</b> 39'00	16°13'24
minimum elong	6940 Dec 01 00:39	11° <b>₹</b> ′53'30	15°39'41	minimum elong	6948 Dec 21 04:12	1° <b>る</b> 39'00	16°13'28
retrograde	6941 Mar 15 02:14	14° <b>₹</b> 25'32		retrograde	6949 Apr 04 09:17	4° <b>ට</b> 18'01	
opposition	6941 May 30 20:51	13° <b>∡</b> 04'27	16°46'28	opposition	6949 Jun 19 18:39	2°る55'05	17°17'44
min. Earth dist.	6941 Jun 02 03:43	13° <b>₹</b> 00'40	30.16264 AU	min. Earth dist.	6949 Jun 21 09:33	2°る52'20	29.11146 AU
direct	6941 Aug 18 05:50	11° <b>∡</b> ′40'41		direct	6949 Sep 07 03:29	1° <b>る</b> 29'20	
max. Earth dist.	6941 Dec 01 06:30	14° <b>∡</b> °11′06	31.99882 AU	max. Earth dist.	6949 Dec 22 07:12	4° <b>ට</b> 8'41	30.98242 AU
conjunction	6941 Dec 03 17:25	14° <b>∡</b> 16'43	15°49'25	conjunction	6949 Dec 24 00:36	4° <b>る</b> 12'49	16°09'48
minimum elong	6941 Dec 03 17:11	14° <b>₹</b> 16'42	15°49'29	minimum elong	6949 Dec 24 00:40	4° <b>る</b> 12'49	16°09'53
retrograde	6942 Mar 17 19:23	16° <b>х</b> 49′50		retrograde	6950 Apr 07 03:57	6° <b>る</b> 52'22	
opposition	6942 Jun 02 12:17	15° <b>∡</b> 28'25	16°56'28	opposition	6950 Jun 22 14:59	5° <b>る</b> 29'22	17°13'08
min. Earth dist.	6942 Jun 04 17:07	15° <b>∡</b> ¹24'46	29.99856 AU	min. Earth dist.	6950 Jun 24 04:54	5° <b>පි</b> 26'41	29.02546 AU
direct	6942 Aug 20 23:00	14° <b>₰</b> 04'17		direct	6950 Sep 09 22:13	4° <b>る</b> 03'32	
max. Earth dist.	6942 Dec 04 00:13	16° <b>₹</b> 35'55	31.83714 AU	max. Earth dist.	6950 Dec 25 06:34	6° <b>る</b> 43'39	30.90224 AU
conjunction	6942 Dec 06 10:36	16° <b>≯</b> 41'31	15°57'46	conjunction	6950 Dec 26 21:21	6° <b>る</b> 47'32	16°04'22
minimum elong	6942 Dec 06 10:24	16° <b>≯</b> 41'30	15°57'49	minimum elong	6950 Dec 26 21:25	6° <b>る</b> 47'32	16°04'26
retrograde	6943 Mar 20 13:33	19° <b>∡</b> 15'40		retrograde	6951 Apr 10 00:36	9° <b>ප</b> 27'31	
opposition	6943 Jun 05 04:22	17° <b>∡</b> 53′56	17°04'54	opposition	6951 Jun 25 11:31	8° <b>る</b> 04'28	17°06'34
min. Earth dist.	6943 Jun 07 08:18		29.84251 AU	min. Earth dist.	6951 Jun 26 22:22		28.94913 AU
direct	6943 Aug 23 15:04	16° <b>₹</b> 29'27		direct	6951 Sep 12 20:04	6° <b>ප</b> 38'34	
max. Earth dist.	6943 Dec 06 21:05	19° <b>₹</b> 02'27	31.68408 AU	max. Earth dist.	6951 Dec 28 05:32	9° <b>⋜</b> 19'18	30.83195 AU
	(0.42 D 00 04.2)	100 707140	1.600.412.6		(051 D 20 10 20	00=202150	15057107
conjunction	6943 Dec 09 04:26	19° <b>₹</b> 07'48	16°04'36	conjunction	6951 Dec 29 18:20	9° <b>る</b> 22'59	15°57'07
minimum elong	6943 Dec 09 04:17	19° <b>₹</b> 07'47	16°04'40	minimum elong	6951 Dec 29 18:28	9°る23'00 12°る03'19	15°57'11
retrograde	6944 Mar 22 06:43	21° 🖈 42'55	17011120	retrograde	6952 Apr 11 20:52		1,0050101
opposition	6944 Jun 06 21:17	20° ₹ 20'53	17°11'39	opposition	6952 Jun 27 08:37	10°る40'12	16°58'01
min. Earth dist.	6944 Jun 08 23:13		29.69515 AU	min. Earth dist.	6952 Jun 28 18:09		28.88256 AU
direct	6944 Aug 25 08:29 6944 Dec 08 16:17	18° ₹ 56'04	21 54052 ATT	direct	6952 Sep 14 15:34 6952 Dec 30 05:43	9° <b>る</b> 14'16	20 77192 AII
max. Earth dist.	6944 Dec 08 16:17	21° <b>X</b> '30'11	31.54053 AU	max. Earth dist.	6952 Dec 30 05:43	11-03333	30.77182 AU
conjunction	6944 Dec 10 22:27	21° <b>∡</b> ³35'27	16°09'49	conjunction	6952 Dec 31 15:18	11° <b>⋜</b> 58'57	15°48'01
minimum elong	6944 Dec 10 22:19	21° 🖈 35'26	16°09'53	minimum elong	6952 Dec 31 15:16	11° <b>る</b> 58'58	15°48'05
retrograde	6945 Mar 25 02:48	24° 🖈 11'29	10 07 33	retrograde	6953 Apr 14 17:09	14° <b>る</b> 39'31	13 40 03
opposition	6945 Jun 09 14:49	22° <b>х</b> 49'11	17°16'39	opposition	6953 Jun 30 05:51	13° <b>る</b> 16'22	16°47'29
min. Earth dist.	6945 Jun 11 14:41		29.55756 AU	min. Earth dist.	6953 Jul 01 12:23		28.82572 AU
direct	6945 Aug 28 01:48	21° <b>×</b> <sup>7</sup> 24'05	29.00700110	direct	6953 Sep 17 14:14	11°る50'24	20.02072110
max. Earth dist.	6945 Dec 11 14:31		31.40728 AU	max. Earth dist.	6954 Jan 02 04:27		30.72181 AU
					v		
conjunction	6945 Dec 13 17:17	24° <b>₹</b> '04'26	16°13'22	conjunction	6954 Jan 03 12:23	14° <b>る</b> 35'15	15°37'06
minimum elong	6945 Dec 13 17:12	24° <b>₹</b> '04'26	16°13'26	minimum elong	6954 Jan 03 12:35	14° <b>⋜</b> 35'16	15°37'11
retrograde	6946 Mar 27 20:47	26° <b>х</b> 41′19		retrograde	6954 Apr 17 14:02	17° <b>る</b> 15'55	
opposition	6946 Jun 12 08:56	25° <b>∡</b> 18'47	17°19'48	opposition	6954 Jul 03 03:06	15° <b>る</b> 52'43	16°35'00
min. Earth dist.	6946 Jun 14 07:07	25° <b>≯</b> 15'32	29.43022 AU	min. Earth dist.	6954 Jul 04 07:44	15° <b>る</b> 50'42	28.77899 AU
direct	6946 Aug 30 19:45	23° <b>₹</b> 53′28		direct	6954 Sep 20 11:57	14° <b>る</b> 26'44	
max. Earth dist.	6946 Dec 14 11:18	26° <b>х</b> 29′53	31.28496 AU	max. Earth dist.	6955 Jan 05 05:16	17° <b>る</b> 08'47	30.68235 AU
conjunction	6946 Dec 16 12:28	26° <b>≯</b> 34'43	16°15'10	conjunction	6955 Jan 06 09:34	17° <b>る</b> 11'38	15°24'23
minimum elong	6946 Dec 16 12:24	26° <b>х</b> 34′43	16°15'14	minimum elong	6955 Jan 06 09:46	17° <b>る</b> 11'39	15°24'27
retrograde	6947 Mar 30 17:01	29° <b>х</b> 12′23		retrograde	6955 Apr 20 09:38	19° <b>る</b> 52'18	
opposition	6947 Jun 15 03:35	27° <b>₹</b> 49'41	17°21'03	opposition	6955 Jul 06 00:35	18° <b>ろ</b> 29'05	16°20'33
min. Earth dist.	6947 Jun 16 22:56		29.31356 AU	min. Earth dist.	6955 Jul 07 02:39		28.74255 AU
direct	6947 Sep 02 14:11	26° <b>≯</b> 24'10		direct	6955 Sep 23 11:04	17° <b>පි</b> 03'06	
max. Earth dist.	6947 Dec 17 10:08	29° <b>∡</b> 01'43	31.17346 AU	max. Earth dist.	6956 Jan 08 03:55	19° <b>る</b> 45'15	30.65375 AU
	(0.47 D 10 00 15	200 7004	1.001.511.1		(05(1 00 0010	1007475	1.5000151
conjunction	6947 Dec 19 08:12	29° ₹ 06'16	16°15'11	conjunction	6956 Jan 09 06:19	19°₹47'54	15°09'51
minimum elong	6947 Dec 19 08:11	29° <b>₹</b> 06'16	16°15'16	minimum elong	6956 Jan 09 06:35	19°₹47'56	15°09'55
	6948 Jan 11 10:06	0°ප		retrograde	6956 Apr 22 06:58	22° <b>る</b> 28'28	

	(05( I-1 07 22.02	210705115	1.690.411.0	J: 4	(0(2,0-4, 11, 22-00	590 005152	
opposition	6956 Jul 07 22:02	21° <b>る</b> 05'15		direct	6962 Oct 11 22:09	5°≈05'53	
min. Earth dist.	6956 Jul 08 21:15		28.71717 AU	evening set	6963 Jan 18 14:44	7° <b>≈</b> 27'17	
direct	6956 Sep 25 08:53	19° <b>る</b> 39'17					
evening set	6957 Jan 09 05:54	22° <b>る</b> 19'20		conjunction	6963 Jan 27 00:27	7° <b>≈</b> 47'15	12°41'03
max. Earth dist.	6957 Jan 10 04:51	22° <b>る</b> 21'39	30.63671 AU	minimum elong	6963 Jan 27 00:50	7° <b>≈</b> 47'17	12°41'06
				max. Earth dist.	6963 Jan 26 20:29	7° <b>≈</b> 46'51	30.79153 AU
conjunction	6957 Jan 11 03:04	22° <b>る</b> 23'53	14°53'33	morning rise	6963 Feb 04 10:11	8° <b>≈</b> 07'11	
minimum elong	6957 Jan 11 03:20	22° <b>る</b> 23'54	14°53'37	retrograde	6963 May 10 20:05	10° <b>≈</b> 24'39	
morning rise	6957 Jan 13 00:43	22° <b>ろ</b> 28'28		opposition	6963 Jul 26 23:57	9° <b>≈</b> 02'19	13°19'15
retrograde	6957 Apr 25 02:36	25° <b>♂</b> 04'14		min. Earth dist.	6963 Jul 27 03:16		28.87321 AU
opposition	6957 Jul 10 19:28	23°る41'01	15°45'52	direct	6963 Oct 14 17:20	7°≈37'37	20.07321 AU
**							
min. Earth dist.	6957 Jul 11 16:16		28.70334 AU	evening set	6964 Jan 20 16:16	9° <b>≈</b> 56'37	
direct	6957 Sep 28 08:39	22° <b>る</b> 15'08					
evening set	6958 Jan 10 07:19	24° <b>る</b> 50'34		conjunction	6964 Jan 29 18:34	10° <b>≈</b> 18′07	12°13'55
				minimum elong	6964 Jan 29 18:57	10° <b>≈</b> 18′09	12°13'58
conjunction	6958 Jan 13 23:21	24° <b>る</b> 59'24	14°35'30	max. Earth dist.	6964 Jan 29 17:40	10° <b>≈</b> 18′01	30.85706 AU
minimum elong	6958 Jan 13 23:40	24° <b>る</b> 59'26	14°35'33	morning rise	6964 Feb 07 20:44	10° <b>≈</b> 39'36	
max. Earth dist.	6958 Jan 13 03:19	24° <b>る</b> 57'24	30.63186 AU	retrograde	6964 May 12 12:19	12° <b>≈</b> 54'46	
morning rise	6958 Jan 17 15:53	25° <b>る</b> 08'17		opposition	6964 Jul 28 19:40	11° <b>≈</b> 32'38	12°49'32
retrograde	6958 Apr 27 22:59	27° <b>る</b> 39'28		min. Earth dist.	6964 Jul 28 19:44		28.93992 AU
opposition	6958 Jul 13 16:41		15°25'42	direct	6964 Oct 16 15:07	10° <b>≈</b> 08'12	20.75772 110
min. Earth dist.	6958 Jul 14 09:42		28.70174 AU		6965 Jan 21 18:26	10 ≈06 12 12°≈24'52	
			28.70174 AU	evening set	0905 Jan 21 18:20	12***24*32	
direct	6958 Oct 01 07:02	24°る50'31					
evening set	6959 Jan 11 21:52	27° <b>る</b> 22'36		conjunction	6965 Jan 31 12:11	12° <b>≈</b> 47'46	11°45'37
				minimum elong	6965 Jan 31 12:34	12° <b>≈</b> 47'48	11°45'41
conjunction	6959 Jan 16 19:34	27° <b>る</b> 34'23	14°15'44	max. Earth dist.	6965 Jan 31 13:23	12° <b>≈</b> 47'53	30.93240 AU
minimum elong	6959 Jan 16 19:53	27° <b>る</b> 34'25	14°15'47	morning rise	6965 Feb 10 05:50	13° <b>≈</b> 10'40	
max. Earth dist.	6959 Jan 16 03:39	27° <b>る</b> 32'48	30.63949 AU		6965 Apr 08 06:30	15° <b>≈</b>	
morning rise	6959 Jan 21 17:36	27° <b>ප්</b> 46'13		retrograde	6965 May 15 04:24	15° <b>≈</b> 23'36	
C	6959 Apr 02 16:08	0° <b>≈</b>		· ·	6965 Jun 22 08:53	15°R <b>≈</b>	
retrograde	6959 Apr 30 17:48	0°≈14'04		opposition	6965 Jul 31 14:52	14° <b>≈</b> 01'41	12°18'36
retrograde	6959 May 29 10:22	30°Rる		min. Earth dist.	6965 Jul 31 12:40		29.01646 AU
omnosition	6959 Jul 16 13:51	30 KG 28° <b>る</b> 51'01	15°03'42		6965 Oct 19 10:15	12°≈37'31	29.01040 AU
opposition				direct			
min. Earth dist.	6959 Jul 17 04:42		28.71247 AU	evening set	6966 Jan 23 21:09	14°≈51'54	
direct	6959 Oct 04 04:57	27° <b>る</b> 25'23			6966 Jan 27 08:41	15° <b>≈</b>	
evening set	6960 Jan 13 17:07	29° <b>る</b> 54'32					
	6960 Jan 15 23:46	0° <b>≈</b>		conjunction	6966 Feb 03 05:20	15° <b>≈</b> 16′05	11°16'14
				minimum elong	6966 Feb 03 05:43	15° <b>≈</b> 16′07	11°16'16
conjunction	6960 Jan 19 15:19	0° <b>≈</b> 08'46	13°54'19	max. Earth dist.	6966 Feb 03 09:53	15° <b>≈</b> 16'32	31.01735 AU
minimum elong	6960 Jan 19 15:41	0° <b>≈</b> 08'48	13°54'22	morning rise	6966 Feb 13 13:06	15° <b>≈</b> 40'15	
max. Earth dist.	6960 Jan 19 01:55	0°≈07'25	30.65981 AU	retrograde	6966 May 17 19:18	17° <b>≈</b> 51'01	
morning rise	6960 Jan 25 13:55	0° <b>≈</b> 23'01		opposition	6966 Aug 03 09:35	16° <b>≈</b> 29'19	11°46'33
retrograde	6960 May 02 14:45	2°≈47'59		min. Earth dist.	6966 Aug 03 04:56		29.10222 AU
opposition	6960 Jul 18 10:47	1°≈25'05	14°39'57	direct	6966 Oct 22 06:49		27.10222 110
min. Earth dist.	6960 Jul 18 21:34					15°2205'26	
iiiii. Eartii tiist.	0900 Jul 16 21.34	1 ~~~24 17				15°≈05'26	
	(0(0,0) + 01, 12,15		28.73556 AU	evening set	6967 Jan 26 00:16	15°≈05'26 17°≈17'35	
	6960 Oct 01 12:15	30°R₹	28.73556 AU	evening set	6967 Jan 26 00:16	17° <b>≈</b> 17'35	10045151
direct	6960 Oct 06 03:25	30°Rる 29°る59'38	28.73556 AU	evening set	6967 Jan 26 00:16 6967 Feb 05 21:41	17°≈17'35 17°≈42'55	10°45'51
	6960 Oct 06 03:25 6960 Oct 10 16:48	30°Rる 29°る59'38 0°≈	28.73556 AU	evening set  conjunction  minimum elong	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04	17°≈17'35 17°≈42'55 17°≈42'57	10°45'54
direct evening set	6960 Oct 06 03:25	30°Rる 29°る59'38	28.73556 AU	evening set  conjunction minimum elong max. Earth dist.	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31	
	6960 Oct 06 03:25 6960 Oct 10 16:48	30°Rる 29°る59'38 0°≈	28.73556 AU	evening set  conjunction  minimum elong	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04	17°≈17'35 17°≈42'55 17°≈42'57	10°45'54
	6960 Oct 06 03:25 6960 Oct 10 16:48	30°R♂ 29°♂59'38 0°≈ 2°≈26'05	28.73556 AU 13°31'20	evening set  conjunction minimum elong max. Earth dist.	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31	10°45'54
evening set	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39	30°R♂ 29°♂59'38 0°≈ 2°≈26'05		evening set  conjunction minimum elong max. Earth dist. morning rise	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51	17°≈17'35 17°≈42'55 17°≈42'57 17°≈43'31 18°≈08'13	10°45'54
evening set	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42	30°R♂ 29°♂559'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28	13°31'20	evening set  conjunction minimum elong max. Earth dist. morning rise retrograde	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'24	10°45'54 31.11146 AU
evening set  conjunction  minimum elong  max. Earth dist.	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04	30°R♂ 29°♂559'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28	13°31'20 13°31'24	evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'24  18°≈55'55	10°45'54 31.11146 AU 11°13'29
evening set  conjunction minimum elong max. Earth dist. morning rise	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55	30°R♂ 29°♂559'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47	13°31'20 13°31'24	evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'24  18°≈55'55  17°≈31'48	10°45'54 31.11146 AU 11°13'29
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03	30°R♂ 29°♂59'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47 5°≈21'08	13°31'20 13°31'24 30.69230 AU	evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'24  18°≈55'55	10°45'54 31.11146 AU 11°13'29
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33	30°R♂ 29°♂59'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47 5°≈21'08 3°≈58'24	13°31'20 13°31'24 30.69230 AU 14°14'34	evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'24  18°≈55'55  17°≈31'48  19°≈41'46	10°45'54 31.11146 AU 11°13'29 29.19733 AU
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30	30°R♂ 29°♂59'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47 5°≈21'08 3°≈58'24 3°≈57'46	13°31'20 13°31'24 30.69230 AU	evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set  conjunction	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'52  18°≈55'55  17°≈31'48  19°≈41'46  20°≈08'09	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30 6961 Oct 08 23:58	30°R♂ 29°♂559'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47 5°≈21'08 3°≈58'24 3°≈57'46 2°≈33'11	13°31'20 13°31'24 30.69230 AU 14°14'34	evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set  conjunction minimum elong	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:32 6968 Feb 08 13:55	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'52  18°≈55'55  17°≈31'48  19°≈41'46  20°≈08'09  20°≈08'11	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30	30°R♂ 29°♂59'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47 5°≈21'08 3°≈58'24 3°≈57'46	13°31'20 13°31'24 30.69230 AU 14°14'34	evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set  conjunction minimum elong max. Earth dist.	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:32 6968 Feb 08 13:55 6968 Feb 08 23:29	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'52  18°≈55'55  17°≈31'48  19°≈41'46  20°≈08'09  20°≈08'11  20°≈09'07	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30 6961 Oct 08 23:58 6962 Jan 16 14:09	30°R♂ 29°♂559'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47 5°≈21'08 3°≈55'46 2°≈33'11 4°≈57'03	13°31'20 13°31'24 30.69230 AU 14°14'34 28.77045 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	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:55 6968 Feb 08 23:29 6968 Feb 19 22:50	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'24  18°≈55'55  17°≈31'48  19°≈41'46  20°≈08'09  20°≈08'11  20°≈09'07  20°≈34'29	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set  conjunction	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30 6961 Oct 08 23:58 6962 Jan 16 14:09	30°R♂ 29°♂559'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47 5°≈21'08 3°≈58'24 3°≈57'46 2°≈33'11 4°≈57'03	13°31'20 13°31'24 30.69230 AU 14°14'34 28.77045 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	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:55 6968 Feb 08 23:29 6968 Feb 19 22:50 6968 May 22 01:07	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'55  17°≈31'48  19°≈41'46  20°≈08'09  20°≈08'11  20°≈09'07  20°≈34'29  22°≈41'08	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36 31.21486 AU
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set  conjunction minimum elong	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30 6961 Oct 08 23:58 6962 Jan 16 14:09	30°R♂ 29°♂559'38 0°≈ 2°≈26'05 2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47 5°≈21'08 3°≈55'46 2°≈33'11 4°≈57'03	13°31'20 13°31'24 30.69230 AU 14°14'34 28.77045 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	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:55 6968 Feb 08 23:29 6968 Feb 19 22:50	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'24  18°≈55'55  17°≈31'48  19°≈41'46  20°≈08'09  20°≈08'11  20°≈09'07  20°≈34'29	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set  conjunction	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30 6961 Oct 08 23:58 6962 Jan 16 14:09	30°R\$\frac{1}{5}29°\$\frac{1}{5}59'38\$ 0°\$\approx\$2°\$\approx\$26'05\$ 2°\$\approx\$42'26\$ 2°\$\approx\$42'28\$ 2°\$\approx\$41'28\$ 2°\$\approx\$58'47\$ 5°\$\approx\$21'08\$ 3°\$\approx\$58'24\$ 3°\$\approx\$57'46\$ 2°\$\approx\$33'11\$ 4°\$\approx\$57'03\$ 5°\$\approx\$15'18\$ 5°\$\approx\$15'20	13°31'20 13°31'24 30.69230 AU 14°14'34 28.77045 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	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:55 6968 Feb 08 23:29 6968 Feb 19 22:50 6968 May 22 01:07	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'55  17°≈31'48  19°≈41'46  20°≈08'09  20°≈08'11  20°≈09'07  20°≈34'29  22°≈41'08	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36 31.21486 AU
evening set  conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set  conjunction minimum elong	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30 6961 Oct 08 23:58 6962 Jan 16 14:09 6962 Jan 24 05:45 6962 Jan 24 06:08	30°R\$\frac{1}{5}29°\$\frac{1}{5}59'38\$ 0°\$\approx\$2°\$\approx\$26'05\$ 2°\$\approx\$42'26\$ 2°\$\approx\$42'28\$ 2°\$\approx\$41'28\$ 2°\$\approx\$58'47\$ 5°\$\approx\$21'08\$ 3°\$\approx\$58'24\$ 3°\$\approx\$57'46\$ 2°\$\approx\$33'11\$ 4°\$\approx\$57'03\$ 5°\$\approx\$15'18\$ 5°\$\approx\$15'20	13°31'20 13°31'24 30.69230 AU 14°14'34 28.77045 AU 13°06'53 13°06'56	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	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:32 6968 Feb 08 13:55 6968 Feb 08 23:29 6968 Feb 19 22:50 6968 May 22 01:07 6968 Aug 07 21:20	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'55  17°≈31'48  19°≈41'46  20°≈08'09  20°≈08'11  20°≈09'07  20°≈34'29  22°≈41'08  21°≈19'51	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36 31.21486 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.	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30 6961 Oct 08 23:58 6962 Jan 16 14:09 6962 Jan 24 05:45 6962 Jan 24 06:08 6962 Jan 23 22:53	30°R\$\overline{\	13°31'20 13°31'24 30.69230 AU 14°14'34 28.77045 AU 13°06'53 13°06'56	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.	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:32 6968 Feb 08 13:55 6968 Feb 08 23:29 6968 Feb 19 22:50 6968 May 22 01:07 6968 Aug 07 21:20 6968 Aug 07 11:43	17°≈17'35  17°≈42'55  17°≈42'57  17°≈43'31  18°≈08'13  20°≈16'54  18°≈55'52  18°≈55'55  17°≈31'48  19°≈41'46  20°≈08'09  20°≈08'11  20°≈09'07  20°≈34'29  22°≈41'08  21°≈19'51  21°≈20'30	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36 31.21486 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	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39  6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30 6961 Oct 08 23:58 6962 Jan 16 14:09  6962 Jan 24 05:45 6962 Jan 24 06:08 6962 Jan 23 22:53 6962 Jan 31 21:29	30°R\$\overline{\sigma} 29°\$\overline{\sigma} 59'38 \\ 0°\approx 2°\approx 26'05 \\ 2°\approx 42'26 \\ 2°\approx 41'28 \\ 2°\approx 58'47 \\ 5°\approx 21'08 \\ 3°\approx 57'46 \\ 2°\approx 33'11 \\ 4°\approx 57'03 \\ 5°\approx 15'18 \\ 5°\approx 15'20 \\ 5°\approx 14'37 \\ 5°\approx 33'33	13°31'20 13°31'24 30.69230 AU 14°14'34 28.77045 AU 13°06'53 13°06'56	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	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:32 6968 Feb 08 13:55 6968 Feb 08 23:29 6968 Feb 19 22:50 6968 May 22 01:07 6968 Aug 07 21:20 6968 Aug 07 11:43 6968 Oct 26 21:42	17°≈17'35  17°≈42'55 17°≈42'57 17°≈43'31 18°≈08'13 20°≈16'54 18°≈55'52 18°≈55'55 17°≈31'48 19°≈41'46  20°≈08'09 20°≈08'11 20°≈09'07 20°≈34'29 22°≈41'08 21°≈19'51 21°≈20'30 19°≈56'32	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36 31.21486 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	6960 Oct 06 03:25 6960 Oct 10 16:48 6961 Jan 14 14:39 6961 Jan 21 10:42 6961 Jan 21 11:03 6961 Jan 21 01:04 6961 Jan 28 06:55 6961 May 05 08:03 6961 Jul 21 07:33 6961 Jul 21 16:30 6961 Oct 08 23:58 6962 Jan 16 14:09 6962 Jan 24 05:45 6962 Jan 24 06:08 6962 Jan 23 22:53 6962 Jan 31 21:29 6962 May 08 02:22	30°R♂ 29°♂559'38 0°≈ 2°≈26'05  2°≈42'26 2°≈42'28 2°≈41'28 2°≈58'47 5°≈21'08 3°≈58'24 3°≈57'46 2°≈33'11 4°≈57'03  5°≈15'18 5°≈15'20 5°≈14'37 5°≈33'33 7°≈53'24 6°≈30'51	13°31'20 13°31'24 30.69230 AU 14°14'34 28.77045 AU 13°06'53 13°06'56 30.73649 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	6967 Jan 26 00:16 6967 Feb 05 21:41 6967 Feb 05 22:04 6967 Feb 06 03:54 6967 Feb 16 18:51 6967 May 20 11:13 6967 Aug 06 03:43 6967 Aug 05 20:07 6967 Oct 25 01:16 6968 Jan 28 03:36 6968 Feb 08 13:32 6968 Feb 08 13:55 6968 Feb 08 23:29 6968 Feb 19 22:50 6968 May 22 01:07 6968 Aug 07 21:20 6968 Aug 07 11:43 6968 Oct 26 21:42	17°≈17'35  17°≈42'55 17°≈42'57 17°≈43'31 18°≈08'13 20°≈16'54 18°≈55'52 18°≈55'55 17°≈31'48 19°≈41'46  20°≈08'09 20°≈08'11 20°≈09'07 20°≈34'29 22°≈41'08 21°≈19'51 21°≈20'30 19°≈56'32	10°45'54 31.11146 AU 11°13'29 29.19733 AU 10°14'34 10°14'36 31.21486 AU

minimum elong	6969 Feb 10 04:41	22° <b>≈</b> 31'43 9°4	12'32	min. Earth dist.	6975 Aug 24 00:45	7° <b>¥</b> 25'02	30.30881 AU
max. Earth dist.	6969 Feb 10 15:57	22°≈32'48 31.3		opposition	6975 Aug 25 05:19	7° <b>∺</b> 23'09	6°24'16
morning rise	6969 Feb 22 01:11	22°≈58'57		direct	6975 Nov 13 15:42	6° <b>)</b> €02'30	
retrograde	6969 May 24 16:11	25°≈03'37		evening set	6976 Feb 12 09:59	7° <b>)</b> €57'35	
opposition	6969 Aug 10 14:10	23°≈42'33 10°	°04'42	C			
min. Earth dist.	6969 Aug 10 00:56	23°≈43'27 29.4	41601 AU	conjunction	6976 Feb 26 16:43	8° <b>)</b> 28'48	5°42'43
direct	6969 Oct 29 16:18	22°≈19'32		minimum elong	6976 Feb 26 16:57	8° <b>)</b> 28'49	5°42'44
evening set	6970 Jan 31 10:37	24°≈25'20		max. Earth dist.	6976 Feb 27 22:44	8° <b>)</b> 31′33	32.38789 AU
				morning rise	6976 Mar 11 22:48	8° <b>¥</b> 59'57	
conjunction	6970 Feb 12 18:39	24°≈53′29 9°0	09'40	retrograde	6976 Jun 08 20:06	10° <b>)</b> 53′00	
minimum elong	6970 Feb 12 19:00	24° <b>≈</b> 53'31 9°0	)9'42	min. Earth dist.	6976 Aug 25 10:26	9° <b>)</b> 36′10	30.48754 AU
max. Earth dist.	6970 Feb 13 10:03	24°≈54'57 31.4	45031 AU	opposition	6976 Aug 26 17:32	9° <b>)</b> 34′09	5°46'32
morning rise	6970 Feb 25 01:56	25° <b>≈</b> 21'34		direct	6976 Nov 15 03:43	8° <b>)</b> 13′54	
retrograde	6970 May 27 04:20	27° <b>≈</b> 24'20		evening set	6977 Feb 13 13:50	10° <b>)</b> €07'26	
opposition	6970 Aug 13 06:21	26° <b>≈</b> 03'31 9°2	29'11				
min. Earth dist.	6970 Aug 12 15:22	26°≈04'31 29.5	54029 AU	conjunction	6977 Feb 28 02:00	10° <b>)</b> 38′53	5°07'25
direct	6970 Nov 01 09:59	24°≈40′50		minimum elong	6977 Feb 28 02:12	10° <b>)</b> 38′54	5°07'27
evening set	6971 Feb 02 14:29	26° <b>≈</b> 44'39		max. Earth dist.	6977 Mar 01 11:01	10° <b>)</b> 41′54	32.57205 AU
				morning rise	6977 Mar 14 13:10	11° <b>)</b> 10′16	
conjunction	6971 Feb 15 08:07	27° <b>≈</b> 13'31 8°3	36'13	retrograde	6977 Jun 11 03:29	13° <b>∺</b> 01'57	
minimum elong	6971 Feb 15 08:27	27° <b>≈</b> 13'33 8°3	36'16	min. Earth dist.	6977 Aug 27 20:39	11° <b>)</b> 45′31	30.67268 AU
max. Earth dist.	6971 Feb 16 01:32	27°≈15'11 31.5	58309 AU	opposition	6977 Aug 29 05:06	11° <b>)</b> 43′26	5°08'48
morning rise	6971 Feb 28 01:11	27° <b>≈</b> 42′20		direct	6977 Nov 17 16:33	10° <b>)</b> €23'36	
retrograde	6971 May 29 18:12	29° <b>≈</b> 43'17		evening set	6978 Feb 15 17:59	12° <b>)</b> 15′38	
opposition	6971 Aug 15 21:53	28° <b>≈</b> 22'45 8°5	53'02				
min. Earth dist.	6971 Aug 15 02:59	28° <b>≈</b> 24'01 29.6	67491 AU	conjunction	6978 Mar 02 10:32	12° <b>)</b> 47′16	4°32'07
direct	6971 Nov 04 04:17	27° <b>≈</b> 00′26		minimum elong	6978 Mar 02 10:43	12° <b>) (</b> 47′17	4°32'07
evening set	6972 Feb 04 18:09	29° <b>≈</b> 02'22		max. Earth dist.	6978 Mar 03 20:18		32.76210 AU
				morning rise	6978 Mar 17 02:24	13° <b>∺</b> 18'48	
conjunction	6972 Feb 17 20:50	29° <b>≈</b> 31'52 8°0	02'13	retrograde	6978 Jun 13 12:24	15° <b>∺</b> 09'09	
minimum elong	6972 Feb 17 21:09	29° <b>≈</b> 31'54 8°0	02'15	min. Earth dist.	6978 Aug 30 04:30		30.86374 AU
max. Earth dist.	6972 Feb 18 17:44	29°≈33′50 31.7	72595 AU	opposition	6978 Aug 31 15:46	13° <b>¥</b> 50′57	4°31'06
morning rise	6972 Mar 01 22:45	0° <b>∺</b> 01'19		direct	6978 Nov 20 03:03	12° <b>∺</b> 31'31	
	6972 Mar 01 08:38	0° <b>∀</b>		evening set	6979 Feb 17 21:55	14° <b>∺</b> 22'08	
retrograde	6972 May 31 06:05	2° <b>₩</b> 00'33					
opposition	6972 Aug 17 12:54		16'21	conjunction	6979 Mar 04 18:31	14° <b>)</b> 53′51	3°56'52
min. Earth dist.	6972 Aug 16 16:03	0° <b>∺</b> 41'42 29.8	81974 AU	minimum elong	6979 Mar 04 18:41	14° <b>)</b> 53′52	3°56'54
	6972 Sep 12 21:44	30° <b>R</b> ≈		max. Earth dist.	6979 Mar 06 07:02		32.95755 AU
direct	6972 Nov 05 20:11	29°≈18′23		morning rise	6979 Mar 19 14:11	15° <b>∺</b> 25'30	
_	6972 Dec 27 08:19	0° <b>\</b>		retrograde	6979 Jun 15 18:58	17° <b> ★</b> 14'35	
evening set	6973 Feb 05 22:03	1° <b>∺</b> 18'30		min. Earth dist.	6979 Sep 01 14:00		31.06022 AU
				opposition	6979 Sep 03 02:02	15° <b>¥</b> 56'41	3°53'32
conjunction	6973 Feb 19 08:53	1° <b>¥</b> 48'33 7°2		direct	6979 Nov 22 14:53	14° <b>)</b> € 37'38	
minimum elong	6973 Feb 19 09:11	1° <b>¥</b> 48'35 7°2		evening set	6980 Feb 20 01:44	16° <b>∺</b> 26′52	
max. Earth dist.	6973 Feb 20 08:13	1° <b>¥</b> 50'44 31.8	87870 AU		(000) ( 00 01 00	1.60\/.50125	2021115
morning rise	6973 Mar 04 18:56	2° <b> </b>		conjunction	6980 Mar 06 01:32	16° <b>¥</b> 58'37	3°21'45
retrograde	6973 Jun 02 16:11	4° <b>光</b> 16'07	27416 444	minimum elong	6980 Mar 06 01:40	16° <b>¥</b> 58'38	3°21'46
min. Earth dist.	6973 Aug 19 02:41	2° <b>H</b> 57'49 29.9		max. Earth dist.	6980 Mar 07 14:55		33.15817 AU
opposition	6973 Aug 20 02:53	2° <b>米</b> 56'13 7°3 1° <b>米</b> 34'42	59 16	morning rise	6980 Mar 21 00:37	17° <b>∺</b> 30′18 19° <b>∺</b> 18′09	
direct	6973 Nov 08 12:26	3° <b>∺</b> 33'05		retrograde min. Earth dist.	6980 Jun 17 02:48		31.26199 AU
evening set	6974 Feb 08 01:58	3° X 33'03			6980 Sep 02 20:31		
aaniumatian	6974 Feb 21 20:12	4° <b>₩</b> 03'36 6°5	52'59	opposition direct	6980 Sep 04 11:22 6980 Nov 24 03:17	18° <b>米</b> 00'33 16° <b>米</b> 41'52	3-10-10
conjunction minimum elong	6974 Feb 21 20:12 6974 Feb 21 20:29	4° <b>∺</b> 03'38 6°5			6981 Feb 21 05:24	18° <b>H</b> 29'46	
max. Earth dist.	6974 Feb 21 20:29 6974 Feb 22 21:57	4° <del>\</del> 06'00 32.0		evening set	0981 Feb 21 03.24	18 X2940	
	6974 Mar 07 13:42	4° <del>)(</del> 34'04	04043 AU	agniumation	6981 Mar 08 07:57	19° <b>)</b> €01'30	2016110
morning rise retrograde	6974 Mar 07 13:42 6974 Jun 05 01:59	6° <b>∺</b> 30'03		conjunction minimum elong	6981 Mar 08 07:37	19° <b>X</b> 01'30	
opposition	6974 Aug 22 16:28		)1'52	max. Earth dist.	6981 Mar 09 23:46		2 46 30 33.36378 AU
min. Earth dist.	6974 Aug 21 14:12	5°\(\frac{1}{12}\)'14 30.1		morning rise	6981 Mar 23 09:44	19 <b>X</b> 0301	55.505 / 6 AU
direct	6974 Nov 11 01:39	3° <b>)</b> (49′25	13132 AU	retrograde	6981 Jun 19 08:30	21° <b>H</b> 19'51	
evening set	6974 Nov 11 01.39 6975 Feb 10 05:53	5° <b>)</b> 46′07		min. Earth dist.	6981 Sep 05 04:05		31.46923 AU
evening set	07/0100 10 00.00	J /(400/		opposition	6981 Sep 05 04:05 6981 Sep 06 19:57	20°\(\text{\tin}\ext{\ti}}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\texi}\text{\text{\text{\texi}}\tint{\tiint{\text{\text{\text{\text{\text{\text{\tirit}\text{\text{\t	
conjunction	6975 Feb 24 06:51	6° <b>升</b> 17'02 6°1	17'56	direct	6981 Nov 26 13:20	18° <b>)</b> (44'12	2 37 02
minimum elong	6975 Feb 24 07:06		17'58	evening set	6982 Feb 23 08:53	20°\(\frac{44}{30}\)'49	
max. Earth dist.	6975 Feb 25 11:22	6° <b>)</b> 19'40 32.2		o, oning set	0,02100 25 00.55	20 <b>/(</b> 30 <b>7</b> )	
morning rise	6975 Mar 10 06:51	6° <b>)</b> 47′52	-1010710	conjunction	6982 Mar 10 13:35	21° <b>)</b> 02′29	2°12'07
retrograde	6975 Jun 07 10:39	8° <b>)</b> (42'21		minimum elong	6982 Mar 10 13:41	21° <b>H</b> 02'30	
	57, 5 Cuii 0, 10.57	· /(1221			5,02ui 10 15.71		01

max. Earth dist.	6982 Mar 12 07:02		33.57485 AU	morning rise	6988 Apr 05 14:45	3° <b>Y</b> 03′12	
morning rise	6982 Mar 25 17:29	21° <b>)</b> 34'06		retrograde	6988 Jul 02 03:25	4° <b>Ƴ</b> 43'32	
retrograde	6982 Jun 21 11:36	23° <b>升</b> 19′39		min. Earth dist.	6988 Sep 18 09:00	3° <b>Ƴ</b> 31'43	33.07633 AU
min. Earth dist.	6982 Sep 07 09:25	22° <b>ℋ</b> 05'17	31.68213 AU	opposition	6988 Sep 20 13:13	3° <b>Y</b> 28'33	-1°29'40
opposition	6982 Sep 09 03:47	22° <b>₩</b> 02'37	2°02'13	direct	6988 Dec 10 11:38	2° <b>Y</b> 13′05	
direct	6982 Nov 29 00:04	20° <b>) (</b> 44′39		evening set	6989 Mar 08 05:11	3° <b>Y</b> 52'45	
evening set	6983 Feb 25 12:14	22° <b>ℋ</b> 30'05					
				conjunction	6989 Mar 23 10:08	4° <b>Ƴ</b> 22'47	-1°40'26
conjunction	6983 Mar 12 18:20	23° <b>)</b> €01'38	1°37'42	minimum elong	6989 Mar 23 10:04	4° <b>Y</b> 22'46	1°40'26
minimum elong	6983 Mar 12 18:24	23° <b>¥</b> 01'38	1°37'42	max. Earth dist.	6989 Mar 25 14:56	4° <b>Y</b> 27'09	35.19983 AU
max. Earth dist.	6983 Mar 14 13:33		33.79148 AU	morning rise	6989 Apr 07 14:40	4°Υ52'47	30.13300110
morning rise	6983 Mar 27 23:53	23° <b>)</b> 33'07	33.771.0110	retrograde	6989 Jul 04 04:11	6° <b>Ƴ</b> 32'25	
retrograde	6983 Jun 23 14:55	25° <b>)</b> 17'38		min. Earth dist.	6989 Sep 20 10:22		33.32237 AU
min. Earth dist.	6983 Sep 09 14:45		31.90121 AU	opposition	6989 Sep 22 16:23	5° <b>Υ</b> 17'48	
	•	24°\(\)(00'55		**	•	3 1 1 / 48 4°Υ02'45	-2 03 00
opposition	6983 Sep 11 11:05		1°25'45	direct	6989 Dec 12 17:39		
direct	6983 Dec 01 08:03	22° <b>)</b> (43'20		evening set	6990 Mar 10 07:43	5° <b>Ƴ</b> 41'39	
evening set	6984 Feb 27 15:21	24° <b>)</b> €27'37				500011110	
				conjunction	6990 Mar 25 10:48	6° <b>Y</b> 11'19	
conjunction	6984 Mar 13 22:37	24° <b>)</b> 59'01	1°03'37	minimum elong	6990 Mar 25 10:43	6° <b>Ƴ</b> 11'19	
minimum elong	6984 Mar 13 22:39	24° <b>¥</b> 59′01	1°03'36	max. Earth dist.	6990 Mar 27 16:39		35.44618 AU
max. Earth dist.	6984 Mar 15 20:18	25° <b>₩</b> 02'57	34.01415 AU	morning rise	6990 Apr 09 13:40	6° <b>Ƴ</b> 40'58	
morning rise	6984 Mar 29 05:04	25° <b>)</b> 30′21		retrograde	6990 Jul 06 04:39	8° <b>Ƴ</b> 19'58	
retrograde	6984 Jun 24 16:39	27° <b>∺</b> 13'53		min. Earth dist.	6990 Sep 22 12:30	7° <b>Ƴ</b> 08'59	33.57035 AU
min. Earth dist.	6984 Sep 10 19:35	26° <b>)</b> €00'21	32.12628 AU	opposition	6990 Sep 24 19:16	7° <b>Y</b> 05'42	-2°35'55
opposition	6984 Sep 12 17:34	25° <b>升</b> 57′29	0°49'41	direct	6990 Dec 14 21:21	5° <b>Y</b> 51′03	
direct	6984 Dec 02 16:14	24° <b>)</b> 40′18		evening set	6991 Mar 12 09:51	7° <b>Y</b> 29'13	
evening set	6985 Feb 28 18:24	26° <b>)</b> €23'32		Č			
8				conjunction	6991 Mar 27 10:53	7° <b>Y</b> 58'29	-2°42'28
conjunction	6985 Mar 16 02:01	26° <b>)</b> 54'43	0°29'54	minimum elong	6991 Mar 27 10:48	7° <b>Υ</b> 58'29	
minimum elong	6985 Mar 16 02:02	26° <b>)</b> 54'44		max. Earth dist.	6991 Mar 29 17:59		35.69402 AU
max. Earth dist.	6985 Mar 18 00:42		34.24248 AU	morning rise	6991 Apr 11 11:29	8° <b>Υ</b> 27'45	33.09402 AU
		20 \(\)3843 27°\(\)25'52	34.24246 AU	•	6991 Jul 08 02:12	10° <b>Υ</b> 06'09	
morning rise	6985 Mar 31 09:12			retrograde			22 01050 ATT
retrograde	6985 Jun 26 20:20	29° <b>)</b> (08'31	22 25 70 2 4 7 7	min. Earth dist.	6991 Sep 24 14:01		33.81950 AU
min. Earth dist.	6985 Sep 12 22:47		32.35709 AU	opposition	6991 Sep 26 21:32	8°Υ52'12	-3°08'0'/
opposition	6985 Sep 14 23:22	27° <b>∺</b> 52′28	0°14'04	direct	6991 Dec 17 01:53	7° <b>Y</b> 37'56	
direct	6985 Dec 04 21:29	26° <b>)</b> ₹35'42		evening set	6992 Mar 13 12:03	9° <b>Ƴ</b> 15′25	
desc. node	6986 Feb 08 10:18	27° <b>∺</b> 36′09					
evening set	6986 Mar 02 21:14	28° <b>升</b> 17′57		conjunction	6992 Mar 28 10:23	9° <b>Ƴ</b> 44'15	
				minimum elong	6992 Mar 28 10:17	9° <b>Ƴ</b> 44'15	
conjunction	6986 Mar 18 05:01	28° <b>)</b> 48′54	-0°03'29	max. Earth dist.	6992 Mar 30 17:27	9° <b>Ƴ</b> 48'44	35.94275 AU
minimum elong	6986 Mar 18 05:00	28° <b>)</b> 48′54	0°03'29	morning rise	6992 Apr 12 08:41	10° <b>Y</b> 13′06	
behind sun begin	6986 Mar 17 22:40	28° <b>) (</b> 48′23					
behind sun end				retrograde	6992 Jul 09 01:07	11° <b>Y</b> 50'56	
max. Earth dist.	6986 Mar 18 11:20	28° <b>)(</b> 49'24		min. Earth dist.	6992 Jul 09 01:07 6992 Sep 25 14:11		34.06978 AU
	6986 Mar 18 11:20 6986 Mar 20 06:25		34.47595 AU	•			
	6986 Mar 20 06:25		34.47595 AU	min. Earth dist.	6992 Sep 25 14:11	10° <b>Υ</b> 40'40 10° <b>Υ</b> 37'18	
morning rise	6986 Mar 20 06:25 6986 Apr 02 12:03	28° <b>米</b> 53′05 29° <b>米</b> 19′48	34.47595 AU	min. Earth dist. opposition direct	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08	10° <b>Y</b> 40'40 10° <b>Y</b> 37'18 9° <b>Y</b> 23'23	
morning rise	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17	28°¥53'05 29°¥19'48 0° <b>°</b>	34.47595 AU	min. Earth dist.	6992 Sep 25 14:11 6992 Sep 27 23:07	10° <b>Υ</b> 40'40 10° <b>Υ</b> 37'18	
	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14	28°¥53'05 29°¥19'48 0° <b>°</b> 1° <b>°</b> Y01'37	34.47595 AU	min. Earth dist. opposition direct evening set	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46	10° <b>Y</b> 40'40 10° <b>Y</b> 37'18 9° <b>Y</b> 23'23 11° <b>Y</b> 00'11	-3°39'40
morning rise	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43	28°¥53'05 29°¥19'48 0°° 1°°Y01'37 30°°R¥		min. Earth dist. opposition direct evening set conjunction	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46 6993 Mar 30 09:24	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11	-3°39'40 -3°42'13
morning rise retrograde min. Earth dist.	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13	28°\£53'05 29°\£19'48 0°\Y 1°\Y01'37 30°\R\£ 29°\£48'57	32.59281 AU	min. Earth dist. opposition direct evening set  conjunction minimum elong	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46 6993 Mar 30 09:24 6993 Mar 30 09:17	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35	-3°39'40 -3°42'13 3°42'14
morning rise retrograde min. Earth dist. opposition	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32	28°\£53'05 29°\£19'48 0°\Y 1°\Y01'37 30°\£ 29°\£48'57 29°\£48'57	32.59281 AU	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist.	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46 6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11	-3°39'40 -3°42'13
morning rise retrograde min. Earth dist.	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10	28° <del>\</del> 53'05 29° <del>\</del> 19'48 0° <b>\</b> 1° <b>\</b> 701'37 30° <del>\</del> <del>\</del> 29° <del>\</del> <del>\</del> 48'57 29° <del>\</del> <del>\</del> 45'55 28° <del>\</del> <del>\</del> 29'35	32.59281 AU	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46 6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00	-3°39'40 -3°42'13 3°42'14
morning rise retrograde min. Earth dist. opposition direct	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13	28°\\$53'05 29°\\$19'48 0°\\$\Cappa 1°\\$01'37 30°\\$\\$\ 29°\\$48'57 29°\\$45'55 28°\\$29'35 0°\\$\\$	32.59281 AU	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46 6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18	-3°39'40 -3°42'13 3°42'14 36.19238 AU
morning rise retrograde min. Earth dist. opposition	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10	28° <del>\</del> 53'05 29° <del>\</del> 19'48 0° <b>\</b> 1° <b>\</b> 701'37 30° <del>\</del> <del>\</del> 29° <del>\</del> <del>\</del> 48'57 29° <del>\</del> <del>\</del> 45'55 28° <del>\</del> <del>\</del> 29'35	32.59281 AU	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist.	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46 6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y57'00 13°Y34'18 12°Y24'17	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU
morning rise retrograde min. Earth dist. opposition direct evening set	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05	28°\£53'05 29°\£19'48 0°\Y 1°\Y01'37 30°\£ 29°\£48'57 29°\£48'55 28°\£29'35 0°\Y 0°\Y10'55	32.59281 AU -0°21'03	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU
morning rise retrograde min. Earth dist. opposition direct evening set conjunction	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05	28°\£53'05 29°\£19'48 0°\Y 1°\Y01'37 30°\\£29°\£48'57 29°\£48'57 29°\£45'55 28°\£29'35 0°\Y 0°\Y10'55	32.59281 AU -0°21'03 -0°36'15	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05 6987 Mar 20 07:15 6987 Mar 20 07:14	28°\£53'05 29°\£19'48 0°\Y 1°\Y01'37 30°\£29°\£48'57 29°\£48'55 28°\£29'35 0°\Y 0°\Y10'55 0°\Y41'35 0°\Y41'35	32.59281 AU -0°21'03 -0°36'15 0°36'15	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist.	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05 6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 22 09:10	28°\£53'05 29°\£19'48 0°\Y 1°\Y01'37 30°\\£29°\£48'57 29°\£45'55 28°\£29'35 0°\Y 0°\Y10'55 0°\Y41'35 0°\Y41'35 0°\Y45'48	32.59281 AU -0°21'03 -0°36'15	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Mar 17 15:25	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU -4°10'34
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05 6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 22 09:10 6987 Apr 04 14:01	28°\£53'05 29°\£19'48 0°\Y 1°\Y01'37 30°\\£29°\£48'57 29°\£48'57 29°\£45'55 28°\£29'35 0°\Y 0°\Y10'55 0°\Y41'35 0°\Y41'35 0°\Y45'48 1°\Y12'13	32.59281 AU -0°21'03 -0°36'15 0°36'15	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Mar 17 15:25	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU -4°10'34
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist.	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05 6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 22 09:10	28°\£53'05 29°\£19'48 0°\Y 1°\Y01'37 30°\\£29°\£48'57 29°\£45'55 28°\£29'35 0°\Y 0°\Y10'55 0°\Y41'35 0°\Y41'35 0°\Y45'48	32.59281 AU -0°21'03 -0°36'15 0°36'15	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Mar 17 15:25	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU -4°10'34
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist. morning rise	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05 6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 22 09:10 6987 Apr 04 14:01	28°\\$53'05 29°\\$19'48 0°\Y 1°\Y01'37 30°\\\$\\ 29°\\$\\$48'57 29°\\$\\$45'55 28°\\$\\$29'35 0°\Y 0°\Y10'55 0°\Y41'35 0°\Y41'35 0°\Y45'48 1°\Y12'13 2°\Y53'16	32.59281 AU -0°21'03 -0°36'15 0°36'15	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Mar 17 15:25	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32 13°Y11'28 13°Y11'28	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU -4°10'34
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05 6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 22 09:10 6987 Apr 04 14:01 6987 Jul 01 02:06	28°\\$53'05 29°\\$19'48 0°\Y 1°\Y01'37 30°\\\$\\ 29°\\$\\$48'57 29°\\$\\$45'55 28°\\$\\$29'35 0°\Y 0°\Y10'55 0°\Y41'35 0°\Y41'35 0°\Y45'48 1°\Y12'13 2°\Y53'16	32.59281 AU -0°21'03 -0°36'15 0°36'15 34.71388 AU 32.83285 AU	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Mar 17 15:25  6994 Apr 01 07:39 6994 Apr 01 07:31	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32 13°Y11'28 13°Y11'28	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU -4°10'34 -4°11'11 4°11'13
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist.	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05 6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 22 09:10 6987 Apr 04 14:01 6987 Jul 01 02:06 6987 Sep 17 05:13	28°\\$53'05 29°\\$19'48 0°\\$\Colored{1}'\\$701'37 30°\\$\\$29°\\$48'57 29°\\$48'55 28°\\$29'35 0°\\$\Colored{1}'0'55 0°\\$\Colored{4}1'35 0°\\$\Y41'35 0°\\$\Y41'35 1°\\$\T2'13 2°\\$\\$53'16 1°\\$\Y41'06	32.59281 AU -0°21'03 -0°36'15 0°36'15 34.71388 AU 32.83285 AU	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist.	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Apr 01 07:39 6994 Apr 01 07:31 6994 Apr 01 07:31 6994 Apr 03 16:29	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32 13°Y11'28 13°Y11'28 13°Y11'28	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU -4°10'34 -4°11'11 4°11'13
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05 6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 22 09:10 6987 Apr 04 14:01 6987 Jul 01 02:06 6987 Sep 17 05:13 6987 Sep 19 09:07	28°\\$53'05 29°\\$19'48 0°\\$\Colored{19'137} 30°\R\\$\Colored{29'}\\$48'57 29°\\$48'55 28°\\$29'35 0°\\$\Colored{19'155} 0°\\$\Colored{41'35} 0°\\$\Colored{41'35} 0°\\$\Colored{45'48} 1°\\$\Colored{12'13} 2°\\$\S3'16 1°\\$\Colored{41'06} 1°\\$\S3'56	32.59281 AU -0°21'03 -0°36'15 0°36'15 34.71388 AU 32.83285 AU	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Apr 01 07:39 6994 Apr 01 07:31 6994 Apr 01 07:31 6994 Apr 03 16:29 6994 Apr 15 23:53	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32 13°Y11'28 13°Y11'28 13°Y16'01 13°Y39'25 15°Y16'12	-3°39'40 -3°42'13 3°42'14 36.19238 AU 34.32099 AU -4°10'34 -4°11'11 4°11'13
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05  6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 22 09:10 6987 Apr 04 14:01 6987 Jul 01 02:06 6987 Sep 17 05:13 6987 Sep 19 09:07 6987 Dec 09 07:05	28°\\$53'05 29°\\$19'48 0°\\$\Colombias* 1°\\$\O1'37 30°\\$\\$29°\\$\\$48'57 29°\\$\\$48'55 28°\\$\\$29'35 0°\\$\O^\\$\O^\\$\1'35 0°\\$\\$41'35 0°\\$\\$45'48 1°\\$\\$12'13 2°\\$\\$53'16 1°\\$\\$41'06 1°\\$\\$37'56 0°\\$\\$2'02	32.59281 AU -0°21'03 -0°36'15 0°36'15 34.71388 AU 32.83285 AU	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Mar 17 15:25  6994 Apr 01 07:39 6994 Apr 01 07:31 6994 Apr 03 16:29 6994 Apr 15 23:53 6994 Jul 12 21:49	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32 13°Y11'28 13°Y11'28 13°Y16'01 13°Y39'25 15°Y16'12	-3°39'40  -3°42'13 3°42'14 36.19238 AU  34.32099 AU -4°10'34  -4°11'11 4°11'13 36.44302 AU  34.57365 AU
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05  6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 20 07:14 6987 Mar 20 09:10 6987 Apr 04 14:01 6987 Jul 01 02:06 6987 Sep 17 05:13 6987 Sep 19 09:07 6987 Dec 09 07:05 6988 Mar 06 02:37	28°\\$53'05 29°\\$19'48 0°\\$\Colombias* 1°\\$\O1'37 30°\\$\\$29°\\$\\$48'57 29°\\$\\$48'55 28°\\$\\$29'35 0°\\$\O^\\$\O^\\$\1'35 0°\\$\\$41'35 0°\\$\\$45'48 1°\\$\\$12'13 2°\\$\\$53'16 1°\\$\\$41'06 1°\\$\\$37'56 0°\\$\\$2'02	32.59281 AU -0°21'03 -0°36'15 0°36'15 34.71388 AU 32.83285 AU -0°55'38	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist.	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Mar 17 15:25  6994 Apr 01 07:39 6994 Apr 01 07:31 6994 Apr 03 16:29 6994 Apr 15 23:53 6994 Jul 12 21:49 6994 Sep 29 13:30	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y33'11 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32 13°Y11'28 13°Y11'28 13°Y16'01 13°Y39'25 15°Y16'12 14°Y06'34	-3°39'40  -3°42'13 3°42'14 36.19238 AU  34.32099 AU -4°10'34  -4°11'11 4°11'13 36.44302 AU  34.57365 AU
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set conjunction	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05  6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 20 07:14 6987 Mar 20 07:14 6987 Mar 20 07:14 6987 Mar 20 07:15 6988 Mar 06 02:37	28°\\$53'05 29°\\$19'48 0°\Y 1°\Y01'37 30°\\\$\\ 29°\\$\\$48'57 29°\\$\\$45'55 28°\\$\\$29'35 0°\Y 0°\Y10'55  0°\Y\\$1'35 0°\Y\\$1'35 0°\Y\\$1'35 0°\Y\\$1'35 0°\Y\\$1'35 0°\Y\\$1'35 0°\Y\\$2'13 2°\Y\\$3'16 1°\Y\\$1'06 1°\Y\\$7'56 0°\Y\\$2'02 2°\Y\\$2'52	32.59281 AU -0°21'03 -0°36'15 0°36'15 34.71388 AU 32.83285 AU -0°55'38	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. morning rise retrograde min. Earth dist. opposition direct	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Mar 17 15:25  6994 Apr 01 07:39 6994 Apr 01 07:31 6994 Apr 03 16:29 6994 Apr 15 23:53 6994 Jul 12 21:49 6994 Sep 29 13:30 6994 Oct 02 00:30 6994 Dec 22 04:14	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32 13°Y11'28 13°Y11'28 13°Y16'01 13°Y39'25 15°Y16'12 14°Y06'34 14°Y03'07 12°Y49'52	-3°39'40  -3°42'13 3°42'14 36.19238 AU  34.32099 AU -4°10'34  -4°11'11 4°11'13 36.44302 AU  34.57365 AU
morning rise retrograde min. Earth dist. opposition direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6986 Mar 20 06:25 6986 Apr 02 12:03 6986 Apr 24 00:17 6986 Jun 28 22:14 6986 Sep 07 13:43 6986 Sep 15 03:13 6986 Sep 17 04:32 6986 Dec 07 03:10 6987 Feb 27 09:13 6987 Mar 05 00:05  6987 Mar 20 07:15 6987 Mar 20 07:14 6987 Mar 20 07:14 6987 Mar 20 09:10 6987 Apr 04 14:01 6987 Jul 01 02:06 6987 Sep 17 05:13 6987 Sep 19 09:07 6987 Dec 09 07:05 6988 Mar 06 02:37	28°\\$53'05 29°\\$19'48 0°\Y 1°\Y01'37 30°\\\$\\ 29°\\$\\$48'57 29°\\$\\$48'57 29°\\$\\$45'55 28°\\$\\$29'35 0°\Y 0°\Y10'55 0°\Y41'35 0°\Y41'35 0°\Y41'35 0°\Y45'48 1°\Y12'13 2°\Y53'16 1°\Y41'06 1°\Y37'56 0°\Y22'02 2°\Y02'30 2°\Y32'52 2°\Y32'52	32.59281 AU -0°21'03 -0°36'15 0°36'15 34.71388 AU 32.83285 AU -0°55'38	min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. morning rise retrograde min. Earth dist. opposition	6992 Sep 25 14:11 6992 Sep 27 23:07 6992 Dec 18 03:08 6993 Mar 15 13:46  6993 Mar 30 09:24 6993 Mar 30 09:17 6993 Apr 01 18:19 6993 Apr 14 04:43 6993 Jul 10 22:41 6993 Sep 27 15:16 6993 Sep 27 15:16 6993 Sep 30 00:10 6993 Dec 20 04:31 6994 Mar 17 15:25  6994 Apr 01 07:39 6994 Apr 01 07:31 6994 Apr 03 16:29 6994 Apr 15 23:53 6994 Jul 12 21:49 6994 Sep 29 13:30 6994 Oct 02 00:30	10°Y40'40 10°Y37'18 9°Y23'23 11°Y00'11 11°Y28'36 11°Y28'35 11°Y57'00 13°Y34'18 12°Y24'17 12°Y20'56 11°Y07'22 12°Y43'32 13°Y11'28 13°Y11'28 13°Y16'01 13°Y39'25 15°Y16'12 14°Y06'34 14°Y03'07	-3°39'40  -3°42'13 3°42'14 36.19238 AU  34.32099 AU -4°10'34  -4°11'11 4°11'13 36.44302 AU  34.57365 AU

	(005 4 02 05-20	14° <b>Y</b> 52'54	4020122	J:	7002 1 02 21-14	24° <b>Y</b> 11'50	
conjunction	6995 Apr 03 05:28			direct	7002 Jan 03 21:14	25°\cdot\cdot\cdot\cdot\cdot\cdot\cdot\cdot	
minimum elong	6995 Apr 03 05:19	14° <b>Y</b> 52'54		evening set	7002 Apr 01 20:48	25 1 44 26	
max. Earth dist.	6995 Apr 05 16:12		36.69521 AU			• •••••	
morning rise	6995 Apr 17 18:06	15° <b>Y</b> 20′23		conjunction	7002 Apr 15 00:20	26° <b>Y</b> ′08′08	
retrograde	6995 Jul 14 19:51	16° <b>Ƴ</b> 56'41		minimum elong	7002 Apr 15 00:07	26° <b>Ƴ</b> 08'08	7°40'07
min. Earth dist.	6995 Oct 01 13:22		34.82828 AU	max. Earth dist.	7002 Apr 17 16:15		38.50102 AU
opposition	6995 Oct 04 00:30	15° <b>Ƴ</b> 43'52	-5°10'21	morning rise	7002 Apr 28 04:05	26° <b>Ƴ</b> 31'53	
direct	6995 Dec 24 04:57	14° <b>Ƴ</b> 30'58		retrograde	7002 Jul 26 13:27	28° <b>Ƴ</b> 05'57	
evening set	6996 Mar 20 17:48	16° <b>Y</b> 06′00		min. Earth dist.	7002 Oct 13 16:49	26° <b>Y</b> 58'51	36.64852 AU
				opposition	7002 Oct 16 09:06	26° <b>Ƴ</b> 55'14	-8°17'30
conjunction	6996 Apr 04 02:38	16° <b>Ƴ</b> 32'58	-5°07'16	direct	7003 Jan 05 17:00	25° <b>Ƴ</b> 44'47	
minimum elong	6996 Apr 04 02:28	16° <b>Ƴ</b> 32'57	5°07'17	evening set	7003 Apr 03 20:49	27° <b>Ƴ</b> 17′05	
max. Earth dist.	6996 Apr 06 13:55	16° <b>Ƴ</b> 37'38	36.94946 AU	Z .	1		
morning rise	6996 Apr 18 11:23	16° <b>Ƴ</b> 59'56		conjunction	7003 Apr 16 18:37	27° <b>Y</b> 40'13	-8°03'19
retrograde	6996 Jul 15 17:42	18° <b>Y</b> 35'48		minimum elong	7003 Apr 16 18:25	27° <b>Υ</b> 40'12	
min. Earth dist.	6996 Oct 02 10:51		35.08497 AU	max. Earth dist.	7003 Apr 10 10:23		38.75855 AU
opposition	6996 Oct 04 23:45	$17^{\circ}$ <b>Y</b> 23'17		morning rise	7003 Apr 29 16:33	28°\mathcal{Y}03'23	36.73633 AU
			-3 3911	-	=		
direct	6996 Dec 25 05:31	16° <b>Y</b> 10'43		retrograde	7003 Jul 28 07:19	29° <b>Y</b> 37'14	2600700 444
evening set	6997 Mar 22 18:49	17° <b>Ƴ</b> 45'16		min. Earth dist.	7003 Oct 15 12:12		36.90708 AU
				opposition	7003 Oct 18 05:05	28° <b>Y</b> 26'48	-8°41'29
conjunction	6997 Apr 05 23:22	18° <b>Ƴ</b> 11'43		direct	7004 Jan 07 13:57	27° <b>Y</b> 16'39	
minimum elong	6997 Apr 05 23:12	18° <b>Ƴ</b> 11'42	5°34'22	evening set	7004 Apr 04 20:37	28° <b>Ƴ</b> 48'41	
max. Earth dist.	6997 Apr 08 11:41	18° <b>Ƴ</b> 16′26	37.20560 AU				
morning rise	6997 Apr 20 04:05	18° <b>Ƴ</b> 38'11		conjunction	7004 Apr 17 12:21	29° <b>Ƴ</b> 11'14	-8°25'55
retrograde	6997 Jul 17 13:55	20° <b>Ƴ</b> 13'39		minimum elong	7004 Apr 17 12:08	29° <b>Ƴ</b> 11'13	8°25'57
min. Earth dist.	6997 Oct 04 08:44	19° <b>Ƴ</b> 04'59	35.34373 AU	max. Earth dist.	7004 Apr 20 03:57	29° <b>Ƴ</b> 15'58	39.01412 AU
opposition	6997 Oct 06 22:25	19° <b>Ƴ</b> 01'26	-6°07'20	morning rise	7004 Apr 30 04:29	29° <b>Ƴ</b> 33'48	
direct	6997 Dec 27 04:33	17° <b>Ƴ</b> 49'14		3 2	7004 May 15 14:02	0°8	
evening set	6998 Mar 24 19:31	19° <b>Υ</b> 23'19		retrograde	7004 Jul 29 00:24	1° <b>8</b> 07'28	
evening sec	0))0 Mai 21 1).51	17 (251)		min. Earth dist.	7004 Oct 16 07:41	_	37.16378 AU
conjunction	6998 Apr 07 19:44	19° <b>Ƴ</b> 49'14	6000147	iiiii. Lartii dist.	7004 Oct 16 07:41 7004 Oct 16 23:49	30°RΥ	37.10376 AC
	-	19 <b>γ</b> 49 14 19° <b>γ</b> 49'13	6°00'49	annagition		30 K I 29° <b>Υ</b> 57'17	0004147
minimum elong	6998 Apr 07 19:33			opposition	7004 Oct 19 00:42		-9-044/
max. Earth dist.	6998 Apr 10 09:27		37.46357 AU	direct	7005 Jan 08 10:24	28° <b>Y</b> 47'25	
morning rise	6998 Apr 21 19:50	20° <b>℃</b> 15'11			7005 Mar 26 14:36	0° <b>8</b>	
retrograde	6998 Jul 19 06:55	21° <b>Y</b> 50'18		evening set	7005 Apr 06 20:12	0° <b>8</b> 19'12	
min. Earth dist.	6998 Oct 06 06:18		35.60397 AU				
opposition	6998 Oct 08 20:40	20° <b>Ƴ</b> 38'23	-6°34'46	conjunction	7005 Apr 19 05:54	0° <b>8</b> 41'09	-8°47'55
direct	6998 Dec 29 05:46	19° <b>Ƴ</b> 26'33		minimum elong	7005 Apr 19 05:42	0° <b>8</b> 41'08	8°47'58
evening set	6999 Mar 26 20:04	21° <b>Y</b> 00'12		max. Earth dist.	7005 Apr 21 22:22	0° <b>8</b> 45'56	39.26776 AU
				morning rise	7005 May 01 15:42	1° <b>8</b> 03'07	
conjunction	6999 Apr 09 15:20	21° <b>Υ</b> 25'36	-6°26'35	•	7005 May 01 15:42 7005 Jul 30 14:36	1° <b>8</b> 03'07 2° <b>8</b> 36'36	
3	1	21° <b>Υ</b> 25'36 21° <b>Υ</b> 25'35		retrograde	7005 Jul 30 14:36	2° <b>8</b> 36'36	37.41846 AU
minimum elong	6999 Apr 09 15:10	21° <b>Y</b> 25'35	6°26'36	retrograde min. Earth dist.	7005 Jul 30 14:36 7005 Oct 18 03:02	2° <b>8</b> 36'36 1° <b>8</b> 30'14	37.41846 AU -9°27'26
minimum elong max. Earth dist.	6999 Apr 09 15:10 6999 Apr 12 05:02	21° <b>Υ</b> 25'35 21° <b>Υ</b> 30'22		retrograde min. Earth dist. opposition	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37	2°\d36'36 1°\d30'14 1°\d26'39	
minimum elong max. Earth dist. morning rise	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53	21°Y25'35 21°Y30'22 21°Y51'00	6°26'36	retrograde min. Earth dist. opposition direct	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32	2°836'36 1°830'14 1°826'39 0°817'04	
minimum elong max. Earth dist. morning rise retrograde	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49	6°26'36 37.72269 AU	retrograde min. Earth dist. opposition	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37	2°\d36'36 1°\d30'14 1°\d26'39	
minimum elong max. Earth dist. morning rise retrograde min. Earth dist.	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52	6°26'36 37.72269 AU 35.86532 AU	retrograde min. Earth dist. opposition direct evening set	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36	-9°27'26
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13	6°26'36 37.72269 AU 35.86532 AU	retrograde min. Earth dist. opposition direct evening set conjunction	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40 7006 Apr 20 22:47	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36	-9°27′26 -9°09′18
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44	6°26'36 37.72269 AU 35.86532 AU	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40 7006 Apr 20 22:47 7006 Apr 20 22:34	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56	-9°27'26 -9°09'18 9°09'20
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13	6°26'36 37.72269 AU 35.86532 AU	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist.	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40 7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39	-9°27′26 -9°09′18
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00	6°26'36 37.72269 AU 35.86532 AU -7°01'30	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40 7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19	-9°27'26 -9°09'18 9°09'20
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24 7000 Apr 11 10:49	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51	6°26'36 37.72269 AU 35.86532 AU -7°01'30	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40 7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Aug 01 07:57	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39	-9°27'26 -9°09'18 9°09'20 39.51964 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24 7000 Apr 11 10:49 7000 Apr 11 10:37	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y00'50	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40 7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Aug 01 07:57 7006 Oct 19 20:26	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39 2°858'34	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24 7000 Apr 11 10:49	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y00'50	6°26'36 37.72269 AU 35.86532 AU -7°01'30	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40 7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Aug 01 07:57	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24 7000 Apr 11 10:49 7000 Apr 11 10:37	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y00'50	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist.	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40 7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Aug 01 07:57 7006 Oct 19 20:26	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39 2°858'34	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist.	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24 7000 Apr 11 10:49 7000 Apr 11 10:37 7000 Apr 14 02:11	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y00'50 23°Y05'42	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Aug 01 07:57 7006 Oct 19 20:26 7006 Oct 22 14:12	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39 2°858'34 2°858'34	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Apr 11 10:49 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y05'42 23°Y25'42 25°Y00'15	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Aug 01 07:57 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39 2°858'34 2°854'56 1°845'37	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist.	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y05'42 23°Y25'42 25°Y00'15	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39 2°858'34 2°854'56 1°845'37	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 20 15:14	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39 2°858'34 2°858'34 2°858'34 3°816'56 3°837'39	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24  7000 Apr 11 10:49 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 12 15:48 7001 Jan 02 01:29	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57 22°Y37'49	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37  7007 Apr 22 15:14 7007 Apr 22 15:01	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39 2°858'34 2°854'56 1°845'37 3°816'56 3°837'39 3°837'38	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03 9°30'06
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24 7000 Apr 11 10:37 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 12 15:48	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist.	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Apr 10 18:37  7007 Apr 22 15:14 7007 Apr 25 08:17	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39 2°858'34 2°854'56 1°845'37 3°816'56 3°837'39 3°837'38 3°842'25	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24  7000 Apr 11 10:49 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 10 00:26 7000 Oct 12 15:48 7001 Jan 02 01:29 7001 Mar 30 20:42	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'50 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57 22°Y37'49 24°Y10'44	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU 36.12700 AU -7°27'31	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Aug 01 07:57 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37  7007 Apr 22 15:01 7007 Apr 25 08:17 7007 May 04 12:05	2°836'36 1°830'14 1°826'39 0°817'04 1°848'36 2°809'57 2°809'56 2°814'39 2°831'19 4°804'39 2°858'34 2°854'56 1°845'37 3°816'56 3°837'39 3°837'38 3°842'25 3°858'25	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03 9°30'06
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24  7000 Apr 11 10:49 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 12 15:48 7001 Jan 02 01:29 7001 Mar 30 20:42	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57 22°Y37'49 24°Y10'44	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU 36.12700 AU -7°27'31	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37  7007 Apr 22 15:01 7007 Apr 25 08:17 7007 Aug 03 00:11	2°\dash36'36 1°\dash30'14 1°\dash26'39 0°\dash17'04 1°\dash48'36 2°\dash909'57 2°\dosh9'56 2°\dash31'19 4°\dash304'39 2°\dash34'20\dash337'39 3°\dash37'38 3°\dash42'25 3°\dash31'38	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03 9°30'06 39.77038 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24  7000 Apr 11 10:37 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 10 00:26 7000 Oct 12 15:48 7001 Jan 02 01:29 7001 Apr 13 05:45 7001 Apr 13 05:45 7001 Apr 13 05:33	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'51 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57 22°Y37'49 24°Y10'44	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU 36.12700 AU -7°27'31 -7°16'13 7°16'15	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist.	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37  7007 Apr 22 15:01 7007 Apr 25 08:17 7007 Aug 03 00:11 7007 Oct 21 15:25	2°\dash36'36 1°\dash30'14 1°\dash26'39 0°\dash17'04 1°\dash48'36 2°\dash909'57 2°\dosh9'57 2°\dosh9'56 2°\dash14'39 2°\dash31'19 4°\dash45'37 3°\dash54'56 1°\dash45'37 3°\dash37'38 3°\dash42'25 3°\dash58'25 5°\dash31'38 4°\dash25'43	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03 9°30'06 39.77038 AU 37.92435 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist.	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24  7000 Apr 11 10:37 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 10 00:26 7000 Oct 12 15:48 7001 Jan 02 01:29 7001 Apr 13 05:45 7001 Apr 13 05:45 7001 Apr 13 05:33 7001 Apr 15 20:39	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'50 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57 22°Y37'49 24°Y10'44 24°Y35'01 24°Y35'00 24°Y39'49	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU 36.12700 AU -7°27'31	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. morning rise retrograde min. Earth dist. opposition	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37  7007 Apr 22 15:14 7007 Apr 22 15:01 7007 Apr 25 08:17 7007 Aug 03 00:11 7007 Oct 21 15:25 7007 Oct 24 08:29	2°\dash36'36 1°\dash30'14 1°\dash26'39 0°\dash17'04 1°\dash48'36 2°\dash909'57 2°\dosh9'57 2°\dosh9'56 2°\dash4'39 2°\dash31'19 4°\dash43'39 2°\dash54'56 1°\dash45'37 3°\dash54'56 1°\dash45'37 3°\dash45'37 3°\dash45'38 3°\dash45'25 3°\dash58'25 5°\dash31'38 4°\dash22'08	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03 9°30'06 39.77038 AU 37.92435 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. opposition direct evening set	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24  7000 Apr 11 10:37 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 10 00:26 7000 Oct 12 15:48 7001 Apr 13 05:45 7001 Apr 13 05:45 7001 Apr 13 05:33 7001 Apr 15 20:39 7001 Apr 26 15:01	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'50 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57 22°Y37'49 24°Y10'44 24°Y35'01 24°Y35'00 24°Y39'49 24°Y59'20	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU 36.12700 AU -7°27'31 -7°16'13 7°16'15	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde retrograde min. Earth dist. morning rise retrograde min. Earth dist. opposition direct	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37  7007 Apr 22 15:14 7007 Apr 22 15:01 7007 Apr 25 08:17 7007 Aug 03 00:11 7007 Oct 21 15:25 7007 Oct 24 08:29 7008 Jan 13 21:26	2°\dash36'36 1°\dash30'14 1°\dash30'14 1°\dash30'14 1°\dash326'39 0°\dash17'04 1°\dash48'36 2°\dash309'57 2°\dosh9'57 2°\dosh9'56 2°\dash31'19 4°\dash39 2°\dash31'19 4°\dash393 2°\dash3'37'38 3°\dash3'38 3°\dash3'38 3°\dash3'38 4°\dash2'25 5°\dash3'38 4°\dash2'28 3°\dash3'06	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03 9°30'06 39.77038 AU 37.92435 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. opposition direct evening set	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24  7000 Apr 11 10:49 7000 Apr 11 10:37 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 10 00:26 7000 Oct 12 15:48 7001 Jan 02 01:29 7001 Apr 13 05:45 7001 Apr 13 05:33 7001 Apr 15 20:39 7001 Jul 24 17:30	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'50 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57 22°Y37'49 24°Y10'44 24°Y35'00 24°Y35'00 24°Y39'49 24°Y59'20 26°Y33'37	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU 36.12700 AU -7°27'31 -7°16'13 7°16'15 38.24220 AU	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. morning rise retrograde min. Earth dist. opposition	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37  7007 Apr 22 15:14 7007 Apr 22 15:01 7007 Apr 25 08:17 7007 Aug 03 00:11 7007 Oct 21 15:25 7007 Oct 24 08:29	2°\dash36'36 1°\dash30'14 1°\dash26'39 0°\dash17'04 1°\dash48'36 2°\dash909'57 2°\dosh9'57 2°\dosh9'56 2°\dash4'39 2°\dash31'19 4°\dash43'39 2°\dash54'56 1°\dash45'37 3°\dash54'56 1°\dash45'37 3°\dash45'37 3°\dash45'38 3°\dash45'25 3°\dash58'25 5°\dash31'38 4°\dash22'08	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03 9°30'06 39.77038 AU 37.92435 AU
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. opposition direct evening set	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24  7000 Apr 11 10:37 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 10 00:26 7000 Oct 12 15:48 7001 Apr 13 05:45 7001 Apr 13 05:45 7001 Apr 13 05:33 7001 Apr 15 20:39 7001 Apr 26 15:01	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'50 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57 22°Y37'49 24°Y10'44 24°Y35'01 24°Y35'01 24°Y39'49 24°Y39'49 24°Y59'20 26°Y33'37 25°Y26'17	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU 36.12700 AU -7°27'31 -7°16'13 7°16'15 38.24220 AU	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde retrograde min. Earth dist. morning rise retrograde min. Earth dist. opposition direct	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37  7007 Apr 22 15:14 7007 Apr 22 15:01 7007 Apr 25 08:17 7007 May 04 12:05 7007 Aug 03 00:11 7007 Oct 21 15:25 7007 Oct 24 08:29 7008 Apr 11 17:37	2°\dash36'36 1°\dash30'14 1°\dash26'39 0°\dash17'04 1°\dash48'36 2°\dash90'57 2°\dosh9'57 2°\dosh9'56 2°\dash4'39 2°\dash31'19 4°\dosh43'39 2°\dash54'56 1°\dash45'37 3°\dash56'56 3°\dash37'39 3°\dash37'39 3°\dash37'38 3°\dash42'25 3°\dash58'25 5°\dash31'38 4°\dash22'08 3°\dash13'06 4°\dash4'13	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03 9°30'06 39.77038 AU 37.92435 AU -10°10'44
minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. opposition direct evening set	6999 Apr 09 15:10 6999 Apr 12 05:02 6999 Apr 23 10:53 6999 Jul 21 02:34 6999 Oct 08 02:40 6999 Oct 10 18:30 6999 Dec 31 03:32 7000 Mar 28 20:24  7000 Apr 11 10:49 7000 Apr 11 10:37 7000 Apr 11 10:37 7000 Apr 14 02:11 7000 Apr 25 01:14 7000 Jul 22 20:59 7000 Oct 10 00:26 7000 Oct 10 00:26 7000 Oct 12 15:48 7001 Jan 02 01:29 7001 Apr 13 05:45 7001 Apr 13 05:33 7001 Apr 15 20:39 7001 Jul 24 17:30	21°Y25'35 21°Y30'22 21°Y51'00 23°Y25'49 22°Y17'52 22°Y14'13 21°Y02'44 22°Y36'00 23°Y00'50 23°Y05'42 23°Y25'42 25°Y00'15 23°Y52'33 23°Y48'57 22°Y37'49 24°Y10'44 24°Y35'00 24°Y35'00 24°Y39'49 24°Y59'20 26°Y33'37	6°26'36 37.72269 AU 35.86532 AU -7°01'30 -6°51'43 6°51'45 37.98248 AU 36.12700 AU -7°27'31 -7°16'13 7°16'15 38.24220 AU	retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct evening set  conjunction minimum elong max. Earth dist. morning rise retrograde retrograde min. Earth dist. morning rise retrograde min. Earth dist. opposition direct	7005 Jul 30 14:36 7005 Oct 18 03:02 7005 Oct 20 19:37 7006 Jan 10 08:32 7006 Apr 08 19:40  7006 Apr 20 22:47 7006 Apr 20 22:34 7006 Apr 23 14:25 7006 May 03 02:17 7006 Oct 19 20:26 7006 Oct 19 20:26 7006 Oct 22 14:12 7007 Jan 12 02:46 7007 Apr 10 18:37  7007 Apr 22 15:14 7007 Apr 22 15:01 7007 Apr 25 08:17 7007 Aug 03 00:11 7007 Oct 21 15:25 7007 Oct 24 08:29 7008 Jan 13 21:26	2°\dash36'36 1°\dash30'14 1°\dash30'14 1°\dash30'14 1°\dash326'39 0°\dash17'04 1°\dash48'36 2°\dash309'57 2°\dosh9'57 2°\dosh9'56 2°\dash31'19 4°\dash39 2°\dash31'19 4°\dash393 2°\dash3'37'38 3°\dash3'38 3°\dash3'38 3°\dash3'38 4°\dash2'25 5°\dash3'38 4°\dash2'28 3°\dash3'06	-9°27'26 -9°09'18 9°09'20 39.51964 AU 37.67182 AU -9°49'25 -9°30'03 9°30'06 39.77038 AU 37.92435 AU -10°10'44

minimum elong	7008 Apr 23 07:07	5° <b>8</b> 04'19	9°50'13	opposition	7014 Nov 03 04:37	14° <b>8</b> 08'09	-12°21'41
max. Earth dist.	7008 Apr 26 00:05		40.02064 AU	direct	7015 Jan 23 17:53	13° <b>8</b> 01'09	
morning rise	7008 May 04 21:19	5° <b>8</b> 24'29		evening set	7015 Apr 24 05:55	14° <b>8</b> 31'49	
retrograde	7008 Aug 03 17:24	6° <b>8</b> 57'35			, , , , , , , , , , , , , , , , , , ,		
min. Earth dist.	7008 Oct 22 07:34	_	38.17653 AU	conjunction	7015 May 03 14:32	14° <b>8</b> 47'29	-11°54'10
opposition	7008 Oct 25 02:01	5° <b>8</b> 48'20	-10°31'23	minimum elong	7015 May 03 14:19	14° <b>8</b> 47'28	
direct	7009 Jan 14 14:02	4° <b>8</b> 39'34		max. Earth dist.	7015 May 06 08:43	14° <b>8</b> 52'07	41.75013 AU
evening set	7009 Apr 13 16:19	6° <b>8</b> 10'33			7015 May 11 01:37	15° <b>8</b>	
C	1			morning rise	7015 May 12 23:17	15° <b>8</b> 03'10	
conjunction	7009 Apr 24 23:02	6° <b>8</b> 30'03	-10°09'42	retrograde	7015 Aug 14 01:31	16° <b>8</b> 36'17	
minimum elong	7009 Apr 24 22:49	6° <b>8</b> 30'02		min. Earth dist.	7015 Nov 02 01:05	_	39.91504 AU
max. Earth dist.	7009 Apr 27 16:32	6° <b>8</b> 34'47	40.27056 AU	opposition	7015 Nov 04 19:52	15° <b>8</b> 28'50	-12°37'57
morning rise	7009 May 06 06:07	6° <b>8</b> 49'35		11	7015 Nov 28 04:11	15° <b>₹</b> 8	
retrograde	7009 Aug 05 10:38	8° <b>8</b> 22'36		direct	7016 Jan 25 08:20	14° <b>8</b> 22'05	
min. Earth dist.	7009 Oct 24 01:05	7° <b>8</b> 17'13	38.42850 AU		7016 Mar 21 02:36	15° <b>8</b>	
opposition	7009 Oct 26 19:24	7° <b>8</b> 13'36	-10°51'22	evening set	7016 Apr 25 04:01	15° <b>8</b> 52'47	
direct	7010 Jan 16 06:00	6° <b>8</b> 05'08		C	•		
evening set	7010 Apr 15 14:50	7° <b>8</b> 36'01		conjunction	7016 May 04 04:11	16° <b>ප</b> 07'47	-12°09'37
C	1			minimum elong	7016 May 04 03:59	16° <b>8</b> 07'46	12°09'40
conjunction	7010 Apr 26 14:23	7° <b>8</b> 54'53	-10°28'36	max. Earth dist.	7016 May 06 21:41	16° <b>8</b> 12'20	41.98842 AU
minimum elong	7010 Apr 26 14:10	7° <b>8</b> 54'52	10°28'38	morning rise	7016 May 13 04:40	16° <b>8</b> 22'48	
max. Earth dist.	7010 Apr 29 08:30	7° <b>8</b> 59'38	40.52026 AU	retrograde	7016 Aug 14 15:46	17° <b>8</b> 55'58	
morning rise	7010 May 07 14:06	8° <b>8</b> 13'47		min. Earth dist.	7016 Nov 02 16:24	_	40.15370 AU
retrograde	7010 Aug 06 23:54	9° <b>8</b> 46'46		opposition	7016 Nov 05 10:45	16° <b>8</b> 48'44	
min. Earth dist.	7010 Oct 25 17:30	8° <b>8</b> 41'39	38.67994 AU	direct	7017 Jan 25 22:36	15° <b>8</b> 42'13	
opposition	7010 Oct 28 12:18	8° <b>8</b> 38'02		evening set	7017 Apr 27 01:59	17° <b>8</b> 12'56	
direct	7011 Jan 18 00:53	7° <b>8</b> 29'52		8		. •	
evening set	7011 Apr 17 13:17	9° <b>8</b> 00'39		conjunction	7017 May 05 17:39	17° <b>8</b> 27'15	-12°24'32
8	r			minimum elong	7017 May 05 17:27	17° <b>8</b> 27'15	
conjunction	7011 Apr 28 05:20	9° <b>8</b> 18'54	-10°46'52	max. Earth dist.	7017 May 08 11:31	17° <b>8</b> 31'49	42.22333 AU
minimum elong	7011 Apr 28 05:07		10°46'56	morning rise	7017 May 14 09:24	17° <b>8</b> 41'35	
max. Earth dist.	7011 Apr 30 23:03	_	40.76935 AU	retrograde	7017 Aug 16 01:34	19° <b>8</b> 14'50	
morning rise	7011 May 08 21:47	9° <b>8</b> 37'10		min. Earth dist.	7017 Nov 04 07:50	_	40.38877 AU
retrograde	7011 Aug 08 13:55	11° <b>8</b> 10'08		opposition	7017 Nov 07 01:20	18° <b>8</b> 07'48	
min. Earth dist.	7011 Oct 27 09:27	_	38.93078 AU	direct	7018 Jan 27 16:27	17° <b>8</b> 01'30	
opposition	7011 Oct 30 04:56	10° <b>8</b> 01'40		evening set	7018 Apr 28 23:51	18° <b>8</b> 32'14	
direct	7012 Jan 19 18:27	8° <b>8</b> 53'48			, , , , , , , , , , , , , , , , , , ,		
evening set	7012 Apr 18 11:27	10° <b>8</b> 24'32		conjunction	7018 May 07 06:30	18° <b>8</b> 45'52	-12°38'56
e venning see	, 01211p1 10 11.27	10 02.32		minimum elong	7018 May 07 06:19	18° <b>8</b> 45'52	
conjunction	7012 Apr 28 20:04	10° <b>8</b> 42'08	-11°04'34	max. Earth dist.	7018 May 09 23:05		42.45494 AU
minimum elong	7012 Apr 28 19:52	10° <b>8</b> 42'07		morning rise	7018 May 15 13:24	18° <b>8</b> 59'32	
max. Earth dist.	7012 May 01 15:05		41.01752 AU	retrograde	7018 Aug 17 13:32	20° <b>8</b> 32'51	
morning rise	7012 May 09 04:51	10° <b>8</b> 59'46	.1.01702110	min. Earth dist.	7018 Nov 05 21:27		40.62093 AU
retrograde	7012 Aug 09 03:14	12° <b>8</b> 32'46		opposition	7018 Nov 08 15:35	19° <b>8</b> 25'59	
min. Earth dist.	7012 Oct 28 02:27		39.18025 AU	direct	7019 Jan 29 08:09	18° <b>8</b> 19'54	
opposition	7012 Oct 30 21:12	11° <b>8</b> 24'33		evening set	7019 Apr 30 21:34	19° <b>8</b> 50'41	
direct	7013 Jan 20 12:40	10° <b>8</b> 16'59			, , , , , -p , , - , , , , , , , , ,	., 0.,	
evening set	7013 Apr 20 09:46	11° <b>8</b> 47'41		conjunction	7019 May 08 19:13	20° <b>8</b> 03'37	-12°52'48
<i>3</i>	r	<u> </u>		minimum elong	7019 May 08 19:01	20° <b>8</b> 03'37	
conjunction	7013 Apr 30 10:28	12° <b>8</b> 04'38	-11°21'40	max. Earth dist.	7019 May 11 12:43		42.68391 AU
minimum elong	7013 Apr 30 10:15	12° <b>8</b> 04'38		morning rise	7019 May 16 16:58	20° <b>8</b> 16'35	
max. Earth dist.	7013 May 03 04:31		41.26410 AU	retrograde	7019 Aug 19 02:26	21° <b>8</b> 50'01	
morning rise	7013 May 10 11:29	12° <b>8</b> 21'38	20110110	min. Earth dist.	7019 Nov 07 12:33		40.85075 AU
retrograde	7013 Aug 10 19:07	13° <b>8</b> 54'39		opposition	7019 Nov 10 05:33	20° <b>8</b> 43'19	
min. Earth dist.	7013 Oct 29 17:12		39.42787 AU	direct	7020 Jan 30 22:54	19° <b>8</b> 37'26	10 0, 20
opposition	7015 000 27 17.12						
direct	7013 Nov 01 12:54	12° <b>X</b> 46'43	-12°04'51	evening set	7020 May 01 19 23	21°0008'18	
evening set	7013 Nov 01 12:54 7014 Jan 22 03:27	12° <b>8</b> 46'43	-12°04'51	evening set	7020 May 01 19:23	21° <b>8</b> 08'18	
CACHILIA SCI	7014 Jan 22 03:27	11° <b>8</b> 39'26	-12°04'51	-	-		-13°06'09
evening set			-12°04'51	conjunction	7020 May 09 07:32	21° <b>8</b> 20'32	
	7014 Jan 22 03:27 7014 Apr 22 07:52	11° <b>8</b> 39'26 13° <b>8</b> 10'07		conjunction minimum elong	7020 May 09 07:32 7020 May 09 07:22	21° <b>8</b> 20'32 21° <b>8</b> 20'31	13°06'13
conjunction	7014 Jan 22 03:27 7014 Apr 22 07:52 7014 May 02 00:40	11°839'26 13°810'07 13°826'26	-11°38'12	conjunction minimum elong max. Earth dist.	7020 May 09 07:32 7020 May 09 07:22 7020 May 12 00:30	21° <b>8</b> 20'32 21° <b>8</b> 20'31 21° <b>8</b> 24'57	
conjunction minimum elong	7014 Jan 22 03:27 7014 Apr 22 07:52 7014 May 02 00:40 7014 May 02 00:28	11°\delta39'26 13°\delta10'07 13°\delta26'26 13°\delta26'25	-11°38'12 11°38'14	conjunction minimum elong max. Earth dist. morning rise	7020 May 09 07:32 7020 May 09 07:22 7020 May 12 00:30 7020 May 16 19:48	21°820'32 21°820'31 21°824'57 21°832'47	13°06'13
conjunction minimum elong max. Earth dist.	7014 Jan 22 03:27 7014 Apr 22 07:52 7014 May 02 00:40 7014 May 02 00:28 7014 May 04 19:18	11°839'26 13°810'07 13°826'26 13°826'25 13°831'07	-11°38'12	conjunction minimum elong max. Earth dist. morning rise retrograde	7020 May 09 07:32 7020 May 09 07:22 7020 May 12 00:30 7020 May 16 19:48 7020 Aug 19 15:24	21°820'32 21°820'31 21°824'57 21°832'47 23°806'21	13°06'13 42.91095 AU
conjunction minimum elong	7014 Jan 22 03:27 7014 Apr 22 07:52 7014 May 02 00:40 7014 May 02 00:28 7014 May 04 19:18 7014 May 11 17:45	11°839'26 13°810'07 13°826'26 13°826'25 13°831'07 13°842'46	-11°38'12 11°38'14	conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist.	7020 May 09 07:32 7020 May 09 07:22 7020 May 12 00:30 7020 May 16 19:48 7020 Aug 19 15:24 7020 Nov 08 01:07	21°\20'32 21°\20'31 21°\24'57 21°\32'47 23°\306'21 22°\303'17	13°06'13 42.91095 AU 41.07870 AU
conjunction minimum elong max. Earth dist. morning rise	7014 Jan 22 03:27 7014 Apr 22 07:52 7014 May 02 00:40 7014 May 02 00:28 7014 May 04 19:18 7014 May 11 17:45 7014 Jul 07 15:32	11°839'26 13°810'07 13°826'26 13°826'25 13°831'07 13°842'46 15°8	-11°38'12 11°38'14	conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition	7020 May 09 07:32 7020 May 09 07:22 7020 May 12 00:30 7020 May 16 19:48 7020 Aug 19 15:24 7020 Nov 08 01:07 7020 Nov 10 19:02	21°820'32 21°820'31 21°824'57 21°832'47 23°806'21 22°803'17 21°859'51	13°06'13 42.91095 AU 41.07870 AU
conjunction minimum elong max. Earth dist.	7014 Jan 22 03:27 7014 Apr 22 07:52 7014 May 02 00:40 7014 May 02 00:28 7014 May 04 19:18 7014 May 11 17:45 7014 Jul 07 15:32 7014 Aug 12 10:43	11°839'26 13°810'07 13°826'26 13°826'25 13°831'07 13°842'46 15°8 15°815'50	-11°38'12 11°38'14	conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition direct	7020 May 09 07:32 7020 May 09 07:22 7020 May 12 00:30 7020 May 16 19:48 7020 Aug 19 15:24 7020 Nov 08 01:07 7020 Nov 10 19:02 7021 Jan 31 11:36	21°820'32 21°820'31 21°824'57 21°832'47 23°806'21 22°803'17 21°859'51 20°854'10	13°06'13 42.91095 AU 41.07870 AU
conjunction minimum elong max. Earth dist. morning rise	7014 Jan 22 03:27 7014 Apr 22 07:52 7014 May 02 00:40 7014 May 02 00:28 7014 May 04 19:18 7014 May 11 17:45 7014 Jul 07 15:32	11°839'26 13°810'07 13°826'26 13°826'25 13°831'07 13°842'46 15°8 15°815'50 15°88	-11°38'12 11°38'14	conjunction minimum elong max. Earth dist. morning rise retrograde min. Earth dist. opposition	7020 May 09 07:32 7020 May 09 07:22 7020 May 12 00:30 7020 May 16 19:48 7020 Aug 19 15:24 7020 Nov 08 01:07 7020 Nov 10 19:02	21°820'32 21°820'31 21°824'57 21°832'47 23°806'21 22°803'17 21°859'51	13°06'13 42.91095 AU 41.07870 AU

conjunction	7021 May 10 19:35	22° <b>8</b> 36'40 -13°18	3'58 retrograde	7027 Aug 29 00:54	1° <b>Ⅱ</b> 43'19
minimum elong	7021 May 10 19:24	22° <b>8</b> 36'39 13°19	· ·	7027 Nov 17 18:53	0°П41'34 42.61605 AU
max. Earth dist.	7021 May 13 12:30	22° <b>8</b> 41'04 43.136		7027 Nov 20 10:18	0° <b>Д</b> 38'20 -15°10'37
morning rise	7021 May 17 22:13	22° <b>8</b> 48'12	11	7027 Dec 23 23:55	30° <b>₹</b> 8
retrograde	7021 Aug 21 04:33	24° <b>8</b> 21'56	direct	7028 Feb 10 01:26	29° <b>8</b> 34'19
min. Earth dist.	7021 Nov 09 14:53	23° <b>8</b> 19'01 41.305	511 AU	7028 Mar 27 16:17	$\Pi^{\circ}0$
opposition	7021 Nov 12 08:15	23° <b>8</b> 15'38 -14°03	8'54 evening set	7028 May 15 10:36	1° <b>Ⅲ</b> 07'30
direct	7022 Feb 01 23:34	22° <b>8</b> 10'10	•	•	
evening set	7022 May 05 15:03	23° <b>8</b> 41'18	conjunction	7028 May 19 01:53	1° <b>Ⅱ</b> 13'14 -14°34'49
			minimum elong	7028 May 19 01:44	1° <b>Ⅱ</b> 13'13 14°34'54
conjunction	7022 May 12 07:30	23° <b>8</b> 52'06 -13°31	'16 morning rise	7028 May 22 17:04	1° <b>Ⅱ</b> 18′56
minimum elong	7022 May 12 07:21	23° <b>8</b> 52'06 13°31	'20 max. Earth dist.	7028 May 21 16:15	1° <b>Ⅱ</b> 17'19 44.65240 AU
max. Earth dist.	7022 May 15 00:59	23° <b>8</b> 56'31 43.360	010 AU retrograde	7028 Aug 29 10:45	2° <b>Ⅱ</b> 55′09
morning rise	7022 May 18 23:58	24° <b>8</b> 02'54	min. Earth dist.	7028 Nov 18 07:05	1° <b>I</b> 53'34 42.82193 AU
retrograde	7022 Aug 22 14:27	25° <b>8</b> 36'50	opposition	7028 Nov 20 21:54	1° <b>I</b> I50′23 -15°20′05
min. Earth dist.	7022 Nov 11 03:55	24° <b>8</b> 34'07 41.529	983 AU direct	7029 Feb 10 13:09	0° <b>Ⅱ</b> 46'33
opposition	7022 Nov 13 21:13	24° <b>8</b> 30'44 -14°16	o'17 evening set	7029 May 17 14:19	2° <b>Ⅲ</b> 20′25
direct	7023 Feb 03 13:35	23° <b>8</b> 25'31			
evening set	7023 May 07 12:55	24° <b>8</b> 56'51	conjunction	7029 May 20 12:25	2° <b>Ⅲ</b> 25′00 -14°43′52
			minimum elong	g 7029 May 20 12:19	2° <b>Ⅲ</b> 24'59 14°43'55
conjunction	7023 May 13 18:53	25° <b>8</b> 06'54 -13°43	Č	7029 May 23 10:24	2° <b>Ⅱ</b> 29'34
minimum elong	7023 May 13 18:43	25° <b>8</b> 06'54 13°43		7029 May 23 03:03	2° <b>Ⅱ</b> 29'05 44.85448 AU
max. Earth dist.	7023 May 16 11:28	25° <b>8</b> 11'14 43.582	229 AU retrograde	7029 Aug 30 18:39	4° <b>Ⅱ</b> 06′28
morning rise	7023 May 20 00:55	25° <b>8</b> 16'57	min. Earth dist.	7029 Nov 19 19:49	3° <b>耳</b> 04′58 43.02310 AU
retrograde	7023 Aug 24 02:23	26° <b>8</b> 51'08	opposition	7029 Nov 22 09:07	3° <b>Ⅱ</b> 01'52 -15°29'08
min. Earth dist.	7023 Nov 12 16:07	25° <b>8</b> 48'40 41.752	282 AU direct	7030 Feb 12 03:12	1° <b>Ⅱ</b> 58'13
opposition	7023 Nov 15 09:58	25° <b>8</b> 45'16 -14°28	8'09 evening set	7030 May 19 22:44	3° <b>Ⅲ</b> 33′04
direct	7024 Feb 05 02:01	24° <b>8</b> 40'17			
evening set	7024 May 08 11:12	26° <b>8</b> 11'52	conjunction	7030 May 21 22:34	3° <b>I</b> I36′10 -14°52′30
			minimum elong	•	3° <b>Ⅱ</b> 36'10 14°52'34
conjunction	7024 May 14 06:20	26° <b>8</b> 21'09 -13°54	Č	7030 May 23 22:12	3° <b>Ⅱ</b> 39'16
minimum elong	7024 May 14 06:11	26° <b>8</b> 21'08 13°54		7030 May 24 11:37	3° <b>П</b> 40'08 45.05224 AU
max. Earth dist.	7024 May 16 23:49	26° <b>8</b> 25'31 43.802	•	7030 Sep 01 05:05	5° <b>Ⅱ</b> 17'11
morning rise	7024 May 20 01:28	26° <b>8</b> 30'25	min. Earth dist.	7030 Nov 21 06:25	4° <b>I</b> 15'51 43.22020 AU
retrograde	7024 Aug 24 12:25	28° <b>8</b> 04'54	opposition	7030 Nov 23 20:08	4° <b>Ⅱ</b> 12'44 -15°37'44
min. Earth dist.	7024 Nov 13 05:47	27° <b>8</b> 02'34 41.973		7031 Feb 13 14:43	3° <b>Ⅱ</b> 09'16
opposition	7024 Nov 15 22:19	26° <b>8</b> 59'15 -14°39		702111 22 00 22	10T14111 15000112
direct	7025 Feb 05 16:35	25° <b>8</b> 54'31	conjunction	7031 May 23 08:22	4°II46'44 -15°00'43
evening set	7025 May 10 09:56	27° <b>8</b> 26'25	minimum elong	•	4°II46'43 15°00'46
	7025 M 15 17 20	270 4152 14005	max. Earth dist.	7031 May 25 21:33	4° <b>П</b> 50'41 45.24614 AU
conjunction	7025 May 15 17:30	27° <b>8</b> 34'52 -14°05	_	7031 Sep 02 16:38 7031 Nov 22 18:45	6° <b>Ⅱ</b> 27'18
minimum elong	7025 May 15 17:21 7025 May 18 09:47	27° <b>8</b> 34'52 14°05		7031 Nov 22 18:45 7031 Nov 25 07:00	5° <b>I</b> I26'02 43.41380 AU
max. Earth dist.	,	27° <b>8</b> 39'09 44.020 27° <b>8</b> 43'21		7032 Feb 15 01:25	5°Ⅱ23'00 -15°45'55 4°Ⅱ19'41
morning rise retrograde	7025 May 21 01:03 7025 Aug 26 01:34	29° <b>8</b> 18'10	direct	7032 Feb 13 01.23	4 <b>H</b> 1941
min. Earth dist.	7025 Aug 20 01:34 7025 Nov 14 17:22	28° <b>8</b> 16'05 42.191	131 AU conjunction	7032 May 23 18:09	5° <b>Ц</b> 56'40 -15°08'30
opposition	7025 Nov 14 17:22 7025 Nov 17 10:28	28° <b>8</b> 12'45 -14°50	•	•	5° <b>Ц</b> 56'40 15°08'34
direct	7026 Feb 07 03:29	27° <b>8</b> 08'16	max. Earth dist.	7032 May 26 06:54	6°П00'35 45.43700 AU
evening set	7026 May 12 09:00	28° <b>8</b> 40'31	retrograde	7032 Sep 03 03:44	7° <b>II</b> 36'48
e venning see	7020 May 12 07.00	20 0 1031	min. Earth dist.	7032 Nov 23 04:52	6° <b>Д</b> 35'40 43.60442 AU
conjunction	7026 May 17 04:22	28° <b>8</b> 48'08 -14°15		7032 Nov 25 17:16	6° <b>Ц</b> 32'39 -15°53'39
minimum elong	7026 May 17 04:13	28° <b>8</b> 48'07 14°15	11	7033 Feb 15 09:38	5° <b>П</b> 29'29
max. Earth dist.	7026 May 19 20:40	28° <b>8</b> 52'23 44.234		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
morning rise	7026 May 21 23:42	28° <b>8</b> 55'45	conjunction	7033 May 25 03:33	7° <b>П</b> 06'02 -15°15'52
morning not	7026 Jul 06 08:27	0°II	minimum elong	•	7° <b>I</b> 106'02 15°15'56
retrograde	7026 Aug 27 15:16	0° <b>П</b> 30'58	max. Earth dist.	7033 May 27 15:28	7° <b>П</b> 09'53 45.62510 AU
renograde	7026 Oct 20 13:13	30°R <b>∀</b>	retrograde	7033 Sep 04 14:07	8° <b>П</b> 45'44
min. Earth dist.	7026 Nov 16 06:52	29° <b>8</b> 29'02 42.405	•	7033 Nov 24 15:35	7° <b>Д</b> 44'44 43.79259 AU
opposition	7026 Nov 18 22:36	29° <b>8</b> 25'47 -15°00		7033 Nov 27 03:35	7° <b>П</b> 41'44 -16°00'56
direct	7027 Feb 08 13:02	28° <b>8</b> 21'32	direct	7034 Feb 16 18:26	6° <b>Ⅱ</b> 38'45
evening set	7027 May 14 09:12	29° <b>8</b> 54'12	/		
<i>5</i>		= -	conjunction	7034 May 26 12:47	8° <b>Ⅱ</b> 14'51 -15°22'49
conjunction	7027 May 18 15:17	0° <b>П</b> 00'55 -14°25	v	•	8°Щ14'51 15°22'53
minimum elong	7027 May 18 15:10	0° <b>П</b> 00'55 14°25	_	7034 May 29 01:21	8° <b>Ⅱ</b> 18'43 45.81087 AU
3	7027 May 18 01:15	0° <b>I</b> I	retrograde	7034 Sep 05 19:27	9° <b>Ⅱ</b> 54′08
max. Earth dist.	7027 May 21 07:14	0° <b>Д</b> 05'08 44.445	_	7034 Nov 26 02:24	8° <b>Д</b> 53'15 43.97821 AU
morning rise	7027 May 22 21:17	0° <b>Ⅲ</b> 07'38	opposition	7034 Nov 28 13:41	8° <b>Ⅱ</b> 50'18 -16°07'47
-	-		= =		

direct	7035 Feb 18 07:19	7° <b>Ⅱ</b> 47'29	minimum elong	7043 Jun 05 17:16	18° <b>Ⅱ</b> 14'33 16°08'12
direct	7033 1 0 18 07.19	/ 114/29	max. Earth dist.	7043 Jun 07 22:48	18° <b>I</b> 17'51 47.33047 AU
conjunction	7035 May 27 21:50	9° <b>Д</b> 23'11 -15°29'20	retrograde	7043 Sep 16 03:05	19° <b>Ц</b> 50'33
minimum elong	7035 May 27 21:36 7035 May 27 21:46	9°II23'10 15°29'25	min. Earth dist.	7043 Dec 06 19:04	18° <b>Д</b> 50'37 45.48756 AU
max. Earth dist.	7035 May 27 21:10 7035 May 30 09:02	9° <b>I</b> I26'57 45.99428 AU		7043 Dec 08 23:34	18°II48'04 -16°51'55
retrograde	7035 Sep 07 03:36	11° <b>I</b> I02'03	direct	7044 Feb 28 17:05	17° <b>I</b> I46'38
min. Earth dist.	7035 Nov 27 11:44	10° <b>П</b> 01'21 44.16142 AU		7011100 20 17.00	1, 2.000
opposition	7035 Nov 29 23:27	9° <b>Ц</b> 58'23 -16°14'12	conjunction	7044 Jun 06 01:05	19° <b>Ⅱ</b> 18'58 -16°11'25
direct	7036 Feb 19 18:25	8° <b>Ⅱ</b> 55'45	minimum elong	7044 Jun 06 01:05	19° <b>Ⅱ</b> 18'58 16°11'30
			max. Earth dist.	7044 Jun 08 06:46	19° <b>Ⅱ</b> 22'16 47.47838 AU
conjunction	7036 May 28 06:45	10° <b>Ⅱ</b> 31'02 -15°35'28	retrograde	7044 Sep 16 08:36	20° <b>Ⅱ</b> 54'36
minimum elong	7036 May 28 06:40	10° <b>耳</b> 31′02 15°35′32	min. Earth dist.	7044 Dec 07 03:40	19° <b>耳</b> 54'46 45.63436 AU
max. Earth dist.	7036 May 30 18:19	10° <b>耳</b> 34'49 46.17505 AU	opposition	7044 Dec 09 07:39	19° <b>I</b> 52'14 -16°55'02
retrograde	7036 Sep 07 13:34	12° <b>Ⅱ</b> 09'33	direct	7045 Mar 01 02:14	18° <b>Ⅱ</b> 50'57
min. Earth dist.	7036 Nov 27 23:00	11° <b>Ⅱ</b> 08'56 44.34174 AU			
opposition	7036 Nov 30 09:10	11° <b>Ⅱ</b> 06′03 -16°20′13	conjunction	7045 Jun 07 08:29	20° <b>Ⅱ</b> 22'56 -16°14'23
direct	7037 Feb 20 05:05	10° <b>Ⅱ</b> 03'36	minimum elong	7045 Jun 07 08:28	20° <b>Ⅱ</b> 22'56 16°14'27
			max. Earth dist.	7045 Jun 09 12:35	20° <b>Ⅱ</b> 26'08 47.62322 AU
conjunction	7037 May 29 15:33	11° <b>Ⅱ</b> 38'29 -15°41'11	retrograde	7045 Sep 17 14:30	21° <b>Ⅱ</b> 58'15
minimum elong	7037 May 29 15:29	11° <b>Ⅱ</b> 38'29 15°41'16	min. Earth dist.	7045 Dec 08 11:34	20°II58'32 45.77838 AU
max. Earth dist.	7037 Jun 01 02:25	11° <b>Ⅱ</b> 42'12 46.35287 AU	11	7045 Dec 10 15:34	20° <b>I</b> 56'01 -16°57'48
retrograde	7037 Sep 08 23:06	13° <b>Ⅱ</b> 16'37	direct	7046 Mar 02 10:31	19° <b>Ⅱ</b> 54'51
min. Earth dist.	7037 Nov 29 08:05	12° <b>Ⅱ</b> 16'11 44.51871 AU			—
opposition	7037 Dec 01 18:28	12° <b>Ⅱ</b> 13'18 -16°25'49	conjunction	7046 Jun 08 15:53	21°II26'32 -16°17'00
direct	7038 Feb 21 13:36	11° <b>Ⅱ</b> 11′02	minimum elong	7046 Jun 08 15:54	21° <b>II</b> 26'32 16°17'04
	<b>5020.16</b> 21 00.06	100 T 45100 15046100	max. Earth dist.	7046 Jun 10 20:31	21° <b>II</b> 29'45 47.76541 AU
conjunction	7038 May 31 00:06	12°II45'32 -15°46'32	retrograde	7046 Sep 18 20:49	23° <b>I</b> 101'33
minimum elong	7038 May 31 00:02	12° <b>II</b> 45'32 15°46'36	min. Earth dist.	7046 Dec 09 20:50	22° <b>I</b> 01'54 45.91975 AU
max. Earth dist.	7038 Jun 02 09:51	12°II49'10 46.52711 AU	11	7046 Dec 11 23:28	21° <b>I</b> 59'26 -17°00'13
retrograde min. Earth dist.	7038 Sep 10 10:01 7038 Nov 30 18:37	14° <b>Ⅱ</b> 23'19 13° <b>Ⅱ</b> 22'59 44.69196 AU	direct	7047 Mar 03 20:18	20° <b>Ⅱ</b> 58'25
opposition	7038 Nov 30 18.57 7038 Dec 03 03:51	13° <b>Д</b> 22'39 44.69196 AO 13° <b>Д</b> 20'09 -16°31'02	conjunction	7047 Jun 09 23:03	22° <b>Ⅱ</b> 29'47 -16°19'15
direct	7039 Feb 22 20:17	13 <b>H</b> 2009 -10 31 02 12° <b>H</b> 18'04	minimum elong	7047 Jun 09 23:02	22° <b>I</b> 29'47 -10 19'13 22° <b>I</b> 29'47 16°19'19
direct	7039 Feb 22 20.17	12 11004	max. Earth dist.	7047 Jun 12 02:45	22° <b>I</b> 32'56 47.90517 AU
conjunction	7039 Jun 01 08:41	13° <b>I</b> 52'13 -15°51'31	retrograde	7047 Sep 20 05:01	24° <b>I</b> 04'32
minimum elong	7039 Jun 01 08:38	13°II52'12 15°51'36	min. Earth dist.	7047 Dec 11 03:54	23° <b>I</b> 105'03 46.05849 AU
max. Earth dist.	7039 Jun 03 18:34	13° <b>I</b> 55'50 46.69733 AU		7047 Dec 11 03:34 7047 Dec 13 07:04	23°II02'34 -17°02'16
retrograde	7039 Sep 11 16:55	15° <b>Д</b> 29'37	direct	7048 Mar 04 04:15	22° <b>I</b>  01'41
min. Earth dist.	7039 Dec 02 04:58	14° <b>П</b> 29'23 44.86064 AU		7010111111 01 01.11	22 201 11
opposition	7039 Dec 04 12:58	14° <b>Ⅱ</b> 26'38 -16°35'54	conjunction	7048 Jun 10 06:09	23° <b>Ⅲ</b> 32'47 -16°21'10
direct	7040 Feb 24 06:03	13° <b>Ⅲ</b> 24′42	minimum elong	7048 Jun 10 06:10	23° <b>Ⅲ</b> 32'47 16°21'15
			max. Earth dist.	7048 Jun 12 09:07	23° <b>Ⅱ</b> 35'52 48.04215 AU
conjunction	7040 Jun 01 17:07	14° <b>Ⅱ</b> 58'29 -15°56'10	retrograde	7048 Sep 20 15:13	25° <b>Ⅱ</b> 07'15
minimum elong	7040 Jun 01 17:05	14° <b>Ⅱ</b> 58'29 15°56'13	min. Earth dist.	7048 Dec 11 12:45	24° <b>Ⅱ</b> 07'50 46.19440 AU
max. Earth dist.	7040 Jun 04 00:58	15° <b>耳</b> 01'58 46.86283 AU	opposition	7048 Dec 13 14:32	24° <b>I</b> 105′26 -17°03′58
retrograde	7040 Sep 12 00:44	16° <b>Ⅱ</b> 35'32	direct	7049 Mar 05 09:31	23° <b>Ⅱ</b> 04'43
min. Earth dist.	7040 Dec 02 14:01	15° <b>耳</b> 35'25 45.02447 AU			
opposition	7040 Dec 04 21:47	15° <b>耳</b> 32'41 -16°40'25	conjunction	7049 Jun 11 13:14	24° <b>Д</b> 35'32 -16°22'46
direct	7041 Feb 24 15:06	14° <b>Ⅱ</b> 30′54	minimum elong	7049 Jun 11 13:15	24° <b>I</b> 35'32 16°22'50
		_	max. Earth dist.	7049 Jun 13 16:19	24° <b>I</b> 38'37 48.17623 AU
conjunction	7041 Jun 03 01:29	16° <b>I</b> 04'19 -16°00'29	retrograde	7049 Sep 21 22:28	26° <b>Ⅱ</b> 09'44
minimum elong	7041 Jun 03 01:27	16° <b>Ⅱ</b> 04'19 16°00'33	min. Earth dist.	7049 Dec 12 20:39	25° <b>I</b> 10'26 46.32696 AU
max. Earth dist.	7041 Jun 05 09:07	16° <b>Ⅱ</b> 07'46 47.02332 AU	11	7049 Dec 14 21:53	25° <b>Ⅱ</b> 08'04 -17°05'20
retrograde	7041 Sep 13 07:51	17° <b>I</b> [41'01	direct	7050 Mar 06 14:41	24° <b>Ⅱ</b> 07'30
min. Earth dist.	7041 Dec 04 00:53	16° <b>I</b> I40′56 45.18321 AU		5050 Y 10 10 55	050W0004 1600400
opposition	7041 Dec 06 06:38	16° <b>Ⅱ</b> 38'18 -16°44'35	conjunction	7050 Jun 12 19:57	25° <b>II</b> 38'04 -16°24'02
direct	7042 Feb 26 02:41	15° <b>Ⅱ</b> 36′38	minimum elong	7050 Jun 12 19:59	25° <b>П</b> 38'04 16°24'07 25° <b>П</b> 41'03 48.30678 AU
conjunction	7042 Jun 04 09:28	17° <b>Ⅱ</b> 09'40 -16°04'28	max. Earth dist.	7050 Jun 14 21:23 7050 Sep 23 06:00	25°II41'03 48.306/8 AU 27°II12'01
conjunction	7042 Jun 04 09:28 7042 Jun 04 09:27	17° <b>Д</b> 09'40 -16°04'28 17° <b>Д</b> 09'40 16°04'32	retrograde min. Earth dist.	7050 Sep 23 06:00 7050 Dec 14 04:27	26° <b>I</b> 12'01 26° <b>I</b> 12'50 46.45582 AU
minimum elong max. Earth dist.	7042 Jun 04 09:27 7042 Jun 06 15:54	17° <b>Д</b> 13'03 47.17907 AU		7050 Dec 14 04:27 7050 Dec 16 05:14	26° II 12'30 46.45582 AU 26° II 10'30 -17°06'23
retrograde	7042 Jun 06 15:54 7042 Sep 14 17:11	1/°Щ1303 47.17907 AO 18°Щ46'01	direct	7050 Dec 16 05:14 7051 Mar 07 20:50	26° II 10'30 -17'06 23 25° II 10'04
min. Earth dist.	7042 Sep 14 17.11 7042 Dec 05 09:20	18 <b>П</b> 4601 17° <b>П</b> 46'03 45.33732 AU		/031 Wiai 0/ 20.30	2J 110 VT
opposition	7042 Dec 03 09:20 7042 Dec 07 15:11	17° <b>Д</b> 43'25 -16°48'26	conjunction	7051 Jun 14 02:56	26° <b>Ⅱ</b> 40'23 -16°25'01
direct	7042 Bec 07 13:11 7043 Feb 27 10:56	16° <b>I</b> [41'53	minimum elong	7051 Jun 14 02:57	26°II40'23 16°25'05
<del></del>			max. Earth dist.	7051 Jun 16 04:19	26° <b>I</b> I43'22 48.43323 AU
conjunction	7043 Jun 05 17:18	18° <b>耳</b> 14'33 -16°08'07	retrograde	7051 Sep 24 09:22	28°II14'05
-			<b>5</b>	–	

min. Earth dist.	7051 Dec 15 13:29	27° <b>Ⅱ</b> 14'57 46	6 59015 ATT	max. Earth dist.	7059 Jun 24 00:30	100310152	49.28266 AU
opposition	7051 Dec 13 13:29 7051 Dec 17 12:22	27° <b>I</b> I14'37' 40		retrograde	7059 Oct 02 13:47	6°9519'01	49.28200 AU
direct	7051 Dec 17 12:22 7052 Mar 08 07:23	26° <b>I</b> I12'24	17 07 08	min. Earth dist.	7059 Dec 24 00:05		47.41317 AU
uncer	7032 Will 00 07.23	20 11224		opposition	7059 Dec 25 16:38	5°918'21	
conjunction	7052 Jun 14 09:48	27° <b>∏</b> 42′28 -1	16°25'42	direct	7060 Mar 16 12:24	4°918'45	17 02 33
minimum elong	7052 Jun 14 09:51		16°25'47		,000 10 12.2 .	10.0	
max. Earth dist.	7052 Jun 16 09:33	27° <b>II</b> 45'20 48		conjunction	7060 Jun 22 11:50	5°946'50	-16°21'13
retrograde	7052 Sep 24 16:28	29° <b>Ⅱ</b> 15'54	0.00000110	minimum elong	7060 Jun 22 11:53	5°946'50	
min. Earth dist.	7052 Dec 15 20:39	28° <b>Ⅱ</b> 16'53 46	6.69944 AU	max. Earth dist.	7060 Jun 24 04:37		49.37338 AU
opposition	7052 Dec 17 19:21	28° <b>∏</b> 14'39 -1		retrograde	7060 Oct 02 21:26	7° <b>©</b> 18'17	.,,
direct	7053 Mar 09 15:53	27° <b>∏</b> 14′28	., 0,50	min. Earth dist.	7060 Dec 24 06:44		47.50209 AU
				opposition	7060 Dec 25 22:42	6°917'44	
conjunction	7053 Jun 15 16:28	28° <b>Ⅱ</b> 44'15 -1	16°26'08	direct	7061 Mar 17 15:59	5°518'15	
minimum elong	7053 Jun 15 16:30		16°26'11				
max. Earth dist.	7053 Jun 17 14:58	28° <b>II</b> 47'03 48		conjunction	7061 Jun 23 17:39	6°5946'08	-16°19'22
	7053 Aug 16 08:18	0° <b>©</b>		minimum elong	7061 Jun 23 17:45	6°5946'09	16°19'27
retrograde	7053 Sep 26 02:05	0° <b>©</b> 17'26		max. Earth dist.	7061 Jun 25 10:41	6°548'33	49.46086 AU
	7053 Nov 06 11:54	30°R <b>Ⅱ</b>		retrograde	7061 Oct 04 00:19	8°917'25	
min. Earth dist.	7053 Dec 17 05:34	29° <b>Ⅱ</b> 18'25 46	6.81351 AU	min. Earth dist.	7061 Dec 25 14:08		47.58744 AU
opposition	7053 Dec 19 02:20	29° <b>Ⅱ</b> 16'17 -1		opposition	7061 Dec 27 04:38	7°916'59	
direct	7054 Mar 10 22:04	28° <b>Ⅱ</b> 16'12		direct	7062 Mar 18 23:44	6°917'36	
conjunction	7054 Jun 16 23:09	29° <b>∏</b> 45'42 -1	16°26'17	conjunction	7062 Jun 24 23:25	7° <b>9</b> 45'20	-16°17'14
minimum elong	7054 Jun 16 23:11	29° <b>∏</b> 45'43 1	16°26'22	minimum elong	7062 Jun 24 23:30	7°545'20	16°17'19
max. Earth dist.	7054 Jun 18 21:14	29° <b>I</b> I48'27 48		max. Earth dist.	7062 Jun 26 14:59		49.54479 AU
	7054 Jun 26 23:27	0° <b>©</b>		retrograde	7062 Oct 05 05:31	9°516'27	
retrograde	7054 Sep 27 08:05	1° <b>©</b> 18'37		min. Earth dist.	7062 Dec 26 20:01		47.66892 AU
min. Earth dist.	7054 Dec 18 12:54	0° <b>©</b> 19'38 46	6.92260 AU	opposition	7062 Dec 28 10:27	8°916'08	
opposition	7054 Dec 20 09:03	0°9517'32 -1		direct	7063 Mar 20 06:48	7°916'52	
rr	7055 Jan 04 22:02	30°R <b>Ⅱ</b>					
direct	7055 Mar 12 04:28	29° <b>∏</b> 17'32		conjunction	7063 Jun 26 05:09	8°544'26	-16°14'52
	7055 May 14 18:37	0°30		minimum elong	7063 Jun 26 05:15	8°544'27	
	, , , , , , , , , , , , , , , , , , , ,			max. Earth dist.	7063 Jun 27 19:43		49.62435 AU
conjunction	7055 Jun 18 05:26	0° <b>5</b> 46'46 -1	16°26'09	retrograde	7063 Oct 06 14:09	10°915'24	
minimum elong	7055 Jun 18 05:30		16°26'13	min. Earth dist.	7063 Dec 28 04:03		47.74572 AU
max. Earth dist.	7055 Jun 20 01:36	0°\$549'24 48		opposition	7063 Dec 29 16:20	9° <b>©</b> 15'12	
retrograde	7055 Sep 28 14:17	2° <b>©</b> 19'23		direct	7064 Mar 20 12:33	8°916'02	
min. Earth dist.	7055 Dec 19 20:13	1° <b>©</b> 20'27 47	7 02746 AU				
opposition	7055 Dec 21 15:40	1° <b>©</b> 18'23 -1		conjunction	7064 Jun 26 11:03	9° <b>5</b> 43'27	-16°12'15
direct	7056 Mar 12 09:13	0°\$18'27	., 0,20	minimum elong	7064 Jun 26 11:09	9°543'27	16°12'18
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			max. Earth dist.	7064 Jun 28 00:53		49.69902 AU
conjunction	7056 Jun 18 11:50	1° <b>5</b> 47'26 -1	16°25'45	retrograde	7064 Oct 06 20:12	11°914'15	.,,,,,,
minimum elong	7056 Jun 18 11:53	1° <b>©</b> 47'26 1		min. Earth dist.	7064 Dec 28 10:13		47.81717 AU
max. Earth dist.	7056 Jun 20 08:13	1°950'04 48		opposition	7064 Dec 29 21:53	10°514'09	
retrograde	7056 Sep 28 17:49	3° <b>©</b> 19'47		direct	7065 Mar 21 17:29	9°515'04	
min. Earth dist.	7056 Dec 20 04:10	2° <b>©</b> 20'50 47	7 12849 AU		, , , , , , , , , , , , , , , , , , , ,		
opposition	7056 Dec 21 22:01	2° <b>©</b> 18'51 -1		conjunction	7065 Jun 27 16:44	10°542'20	-16°09'24
direct	7057 Mar 13 17:32	1° <b>©</b> 18'59		minimum elong	7065 Jun 27 16:50	10°542'20	
				max. Earth dist.	7065 Jun 29 04:15		49.76823 AU
conjunction	7057 Jun 19 18:00	2° <b>©</b> 47'43 -1	16°25'03	retrograde	7065 Oct 08 03:09	12° <b>©</b> 12'57	
minimum elong	7057 Jun 19 18:05		16°25'07	min. Earth dist.	7065 Dec 29 17:16		47.88320 AU
max. Earth dist.	7057 Jun 21 13:07	2°\$50'16 49		opposition	7065 Dec 31 03:37	11°©12'56	
retrograde	7057 Sep 29 22:58	4° <b>©</b> 19'49		direct	7066 Mar 22 20:22	10°9513'56	
min. Earth dist.	7057 Dec 21 10:01	3° <b>©</b> 20'59 47	7.22634 AU				
opposition	7057 Dec 23 04:18	3°\$18'58 -1		conjunction	7066 Jun 28 22:18	11°5541'02	-16°06'20
direct	7058 Mar 15 01:01	2° <b>©</b> 19'11	, , , , , , , , , , , , , , , , , , , ,	minimum elong	7066 Jun 28 22:25	11°5541'02	
				max. Earth dist.	7066 Jun 30 09:41		49.83205 AU
conjunction	7058 Jun 20 23:54	3° <b>5</b> 47'40 -1	16°24'04	retrograde	7066 Oct 09 05:56	13° <b>©</b> 11'29	
minimum elong	7058 Jun 20 23:57	3°547'40 1		min. Earth dist.	7066 Dec 31 00:35		47.94386 AU
max. Earth dist.	7058 Jun 22 18:20	3°\$50'10 49		opposition	7067 Jan 01 09:15	12°511'31	
retrograde	7058 Oct 01 06:43	5° <b>©</b> 19'33		direct	7067 Mar 24 03:20	11°912'34	==
min. Earth dist.	7058 Dec 22 17:54	4° <b>©</b> 20'43 47	7 32125 AII		. 00, 1.1ai 21 03.20	1237	
opposition	7058 Dec 22 17:34 7058 Dec 24 10:40	4°9518'47 -1		conjunction	7067 Jun 30 03:50	12° <b>©</b> 39'30	-16°03'01
direct	7059 Mar 16 07:52	3°9519'05	., 0.2/	minimum elong	7067 Jun 30 03:56	12 <b>3</b> 3930	
ancet	,057 IVIGI 10 U1.32	5 -21703		max. Earth dist.	7067 Jul 01 13:28		49.89095 AU
conjunction	7059 Jun 22 05:59	4°9547'21 -1	16°22'47	retrograde	7067 Oct 10 09:45	12 \$341 27 14°\$09'46	77.07073 AU
	7059 Jun 22 05:59 7059 Jun 22 06:05			min. Earth dist.	7067 Oct 10 09:45 7068 Jan 01 05:59		47 00001 ATT
minimum elong	1039 Juli 22 00.03	4° <b>5</b> 647'22 1	10 44 34	mm. Earth tist.	1000 Jan 01 03.39	22 11 <b>الات</b> ر1	47.99991 AU

opposition	7068 Jan 02 14:31	13°509'51 -16°40'47	conjunction	7076 Jul 08 02:25	21°©17'03 -15°22'05
direct	7068 Mar 24 09:34	12°©10'56	minimum elong max. Earth dist.	7076 Jul 08 02:34 7076 Jul 09 04:39	21°©17'04 15°22'10 21°©18'33 50.26015 AU
conjunction	7068 Jun 30 09:14	13° <b>©</b> 37'42 -15°59'29	retrograde	7076 Oct 18 11:04	22°\$46'09
minimum elong	7068 Jun 30 09:22	13°S37'42 15°59'33	opposition	7077 Jan 10 11:40	21°\$\frac{9}{6}\delta -15°56'46
max. Earth dist.	7068 Jul 01 17:53	13°S39'35 49.94541 AU	min. Earth dist.	7077 Jan 09 12:12	21°547'51 48.34549 AU
retrograde	7068 Oct 10 15:53	15° <b>©</b> 07'49	direct	7077 Apr 02 05:45	20°548'17
opposition	7069 Jan 02 19:54	14°907'56 -16°36'55		, , , , , - <b>- p</b>	
min. Earth dist.	7069 Jan 01 13:14	14°909'23 48.05187 AU	conjunction	7077 Jul 09 07:25	22°514'01 -15°16'21
direct	7069 Mar 25 17:13	13°909'04	minimum elong	7077 Jul 09 07:34	22°514'02 15°16'25
			max. Earth dist.	7077 Jul 10 07:39	22°515'24 50.28100 AU
conjunction	7069 Jul 01 14:31	14°535'40 -15°55'42	retrograde	7077 Oct 19 14:41	23°543'01
minimum elong	7069 Jul 01 14:37	14°935'40 15°55'46	opposition	7078 Jan 11 16:27	22°543'39 -15°50'41
max. Earth dist.	7069 Jul 02 23:01	14°537'33 49.99620 AU	min. Earth dist.	7078 Jan 10 17:17	22°544'44 48.36270 AU
retrograde	7069 Oct 11 22:54	16° <b>©</b> 05'37	direct	7078 Apr 03 10:31	21° <b>9</b> 45'12
min. Earth dist.	7070 Jan 02 18:29	15°507'13 48.10026 AU			
opposition	7070 Jan 04 01:01	15°905'48 -16°32'48	conjunction	7078 Jul 10 12:28	23°910'51 -15°10'26
direct	7070 Mar 26 21:38	14° <b>©</b> 06'58	minimum elong	7078 Jul 10 12:37	23°9510'52 15°10'31
			max. Earth dist.	7078 Jul 11 11:24	23°©12'10 50.29649 AU
conjunction	7070 Jul 02 19:38	15° <b>©</b> 33'25 -15°51'39	retrograde	7078 Oct 20 19:17	24° <b>9</b> 39'45
minimum elong	7070 Jul 02 19:47	15° <b>©</b> 33'26 15°51'43	opposition	7079 Jan 12 21:16	23°540'24 -15°44'24
max. Earth dist.	7070 Jul 04 02:25	15°S35'11 50.04371 AU	min. Earth dist.	7079 Jan 12 00:20	23°5641'23 48.37475 AU
retrograde	7070 Oct 13 06:58	17° <b>©</b> 03'12	direct	7079 Apr 04 17:35	22° <b>©</b> 41'58
min. Earth dist.	7071 Jan 04 00:23	16°504'50 48.14565 AU		7070 X 1 11 17 20	242000000
opposition	7071 Jan 05 06:09	16°503'26 -16°28'25	conjunction	7079 Jul 11 17:30	24°507'31 -15°04'17
direct	7071 Mar 27 22:57	15° <b>©</b> 04'39	minimum elong	7079 Jul 11 17:40	24°507'32 15°04'21
. ,.	7071 1 1 04 00 52	1.00520150 1.5047120	max. Earth dist.	7079 Jul 12 15:58	24°508'48 50.30719 AU
conjunction	7071 Jul 04 00:52	16°\$30'59 -15°47'20	retrograde	7079 Oct 22 00:49	25°536'19
minimum elong max. Earth dist.	7071 Jul 04 00:59 7071 Jul 05 07:50	16°\$30'59 15°47'24 16°\$32'45 50.08824 AU	min. Earth dist.	7080 Jan 13 05:14 7080 Jan 14 01:51	24°\$37'57 48.38211 AU 24°\$36'59 -15°37'54
retrograde	7071 Jul 03 07.30 7071 Oct 14 09:37	18°900'37	opposition direct	7080 Jan 14 01.51 7080 Apr 04 22:50	24 \$30 39 -13 37 34 23° \$38'33
min. Earth dist.	7071 Oct 14 09:37 7072 Jan 05 06:39	17°502'14 48.18791 AU	evening set	7080 Apr 04 22:30 7080 Jul 10 21:08	25° <b>©</b> 02'36
opposition	7072 Jan 05 00:39	17°502'14 48.18791'AO	evening set	7000 Jul 10 21.00	23 302 30
direct	7072 Mar 28 05:06	16°\$02'11	conjunction	7080 Jul 11 22:21	25°\$04'02 -14°57'55
uncet	7072 Wai 20 03.00	10 302 11	minimum elong	7080 Jul 11 22:30	25°\$04'02 14°58'00
conjunction	7072 Jul 04 06:00	17°\$28'22 -15°42'46	morning rise	7080 Jul 12 23:54	25°\$05'29
minimum elong	7072 Jul 04 06:09	17°528'23 15°42'51	max. Earth dist.	7080 Jul 12 18:43	25°505'11 50.31347 AU
max. Earth dist.	7072 Jul 05 11:38	17°930'05 50.12984 AU	retrograde	7080 Oct 22 08:29	26°932'44
retrograde	7072 Oct 14 11:49	18°957'53	min. Earth dist.	7081 Jan 13 10:57	25°534'19 48.38551 AU
min. Earth dist.	7073 Jan 05 11:24	17°959'34 48.22717 AU	opposition	7081 Jan 14 06:21	25°\$33'25 -15°31'09
opposition	7073 Jan 06 16:02	17°558'14 -16°18'51	direct	7081 Apr 05 23:59	24° <b>©</b> 34'59
direct	7073 Mar 29 11:38	16°959'33	evening set	7081 Jul 10 22:57	25°957'26
conjunction	7073 Jul 05 11:04	18° <b>5</b> 25'39 -15°37'57	conjunction	7081 Jul 13 03:16	26°900'24 -14°51'20
minimum elong	7073 Jul 05 11:11	18°\$25'40 15°38'01	minimum elong	7081 Jul 13 03:26	26°900'24 14°51'24
max. Earth dist.	7073 Jul 06 15:52	18°927'18 50.16823 AU	max. Earth dist.	7081 Jul 13 23:46	26°901'33 50.31607 AU
retrograde	7073 Oct 15 17:47	19° <b>9</b> 55'04	morning rise	7081 Jul 15 08:00	26° <b>©</b> 03'23
opposition	7074 Jan 07 21:06	18°955'28 -16°13'41	retrograde	7081 Oct 23 12:06	27° <b>©</b> 29'01
min. Earth dist.	7074 Jan 06 18:15	18°556'43 48.26312 AU	opposition	7082 Jan 15 10:55	26°\$29'43 -15°24'11
direct	7074 Mar 30 18:00	17° <b>©</b> 56'51	min. Earth dist.	7082 Jan 14 16:36	26°530'34 48.38538 AU
· · · · · · · · · · · · ·	7074 I1 06 16:05	100@20151 15020152	direct	7082 Apr 07 04:54	25°©31'18
conjunction	7074 Jul 06 16:05 7074 Jul 06 16:14	19°\$22'51 -15°32'53 19°\$22'51 15°32'58	evening set	7082 Jul 11 09:59	26°\$52'41
minimum elong max. Earth dist.	7074 Jul 07 20:39	19°S22'51 15°32'58 19°S24'29 50.20324 AU	agniumation	7092 Iul 14 07:55	269656120 14944120
retrograde	7074 Oct 16 23:33	20°952'09	conjunction minimum elong	7082 Jul 14 07:55 7082 Jul 14 08:04	26°956'39 -14°44'30 26°956'40 14°44'34
min. Earth dist.	7074 Oct 10 23:33 7075 Jan 07 23:22	19°S53'53 48.29522 AU	max. Earth dist.	7082 Jul 14 08:04 7082 Jul 15 03:07	26°S57'45 50.31553 AU
opposition	7075 Jan 09 01:59	19°952'38 -16°08'16	morning rise	7082 Jul 17 06:18	27° <b>©</b> 00'39
direct	7075 Mar 31 23:01	18°954'05	retrograde	7082 Jul 17 00:18 7082 Oct 24 14:14	28°\$25'13
311000	7075 Will 51 25.01	10 -0100	opposition	7083 Jan 16 15:23	27°\$25'57 -15°16'57
conjunction	7075 Jul 07 21:09	20°\$19'59 -15°27'36	min. Earth dist.	7083 Jan 15 21:03	27°526'48 48.38227 AU
minimum elong	7075 Jul 07 21:18	20°\$20'00 15°27'39	direct	7083 Apr 08 10:31	26°\$27'32
max. Earth dist.	7075 Jul 08 23:40	20°521'30 50.23409 AU	evening set	7083 Jul 12 00:22	27°\$048'05
retrograde	7075 Oct 18 07:20	21°549'11	<i>3</i> - <i>y</i> -		• •
min. Earth dist.	7076 Jan 09 05:38	20°950'54 48.32296 AU	conjunction	7083 Jul 15 12:44	27°952'52 -14°37'26
opposition	7076 Jan 10 06:47	20°549'44 -16°02'37	minimum elong	7083 Jul 15 12:55	27°\$52'52 14°37'30
direct	7076 Apr 01 01:01	19° <b>©</b> 51'14	max. Earth dist.	7083 Jul 16 07:05	27°553'54 50.31196 AU
			morning rise	7083 Jul 19 01:38	27° <b>©</b> 57'41

retrograde	7083 Oct 25 19:03	29°\$21'24	min. Earth dist.	7090 Jan 22 11:16	4° <b>Ω</b> 01'00 48.26335 AU
opposition	7084 Jan 17 19:50	28°\$22'08 -15°09'28	direct	7090 Apr 14 18:23	3° <b>Ω</b> 02'14
min. Earth dist.	7084 Jan 17 03:11	28°522'55 48.37622 AU	evening set	7090 Jul 15 11:31	4° <b>Ω</b> 18'49
direct	7084 Apr 08 16:47	27°\$23'46			
evening set	7084 Jul 11 16:40	28°543'35	conjunction	7090 Jul 21 22:45	4° <b>Ω</b> 27'34 -13°41'31
			minimum elong	7090 Jul 21 22:56	4° <b>Ω</b> 27'35 13°41'34
conjunction	7084 Jul 15 17:36	28°949'04 -14°30'07	max. Earth dist.	7090 Jul 22 08:56	4° <b>Ω</b> 28'09 50.18689 AU
minimum elong	7084 Jul 15 17:46	28°549'04 14°30'11	morning rise	7090 Jul 28 10:54	4° <b>Ω</b> 36′24
max. Earth dist.	7084 Jul 16 11:45	28°950'06 50.30564 AU	retrograde	7090 Nov 01 10:20	5° <b>Ω</b> 56′02
morning rise	7084 Jul 19 19:03	28°954'35	opposition	7091 Jan 24 02:51	4° <b>Ω</b> 56'58 -14°10'38
	7084 Sep 14 06:04	$0^{\circ}\Omega$	min. Earth dist.	7091 Jan 23 17:23	4° <b>Ω</b> 57'25 48.22745 AU
retrograde	7084 Oct 26 00:59	0° <b>Ω</b> 17'34	direct	7091 Apr 15 19:32	3° <b>Ω</b> 58'41
	7084 Dec 07 10:23	30° <b>₹</b> 5	evening set	7091 Jul 16 08:23	5° <b>Ω</b> 14'48
min. Earth dist.	7085 Jan 17 07:28	29°519'08 48.36721 AU			
opposition	7085 Jan 18 00:12	29°518'22 -15°01'45	conjunction	7091 Jul 23 03:50	5°Ω24'01 -13°32'42
direct	7085 Apr 09 21:14	28° <b>©</b> 20'01	minimum elong	7091 Jul 23 04:00	5° <b>Ω</b> 24'02 13°32'47
evening set	7085 Jul 12 09:53	29° <b>©</b> 39'11	max. Earth dist.	7091 Jul 23 13:43	5° <b>Ω</b> 24'35 50.14972 AU
			morning rise	7091 Jul 30 00:07	5° <b>Ω</b> 33'18
conjunction	7085 Jul 16 22:10	29°545'18 -14°22'34	retrograde	7091 Nov 02 15:32	6° № 52'27
minimum elong	7085 Jul 16 22:21	29°545'19 14°22'38	opposition	7092 Jan 25 07:08	5°Ω53'22 -14°01'23
max. Earth dist.	7085 Jul 17 14:37	29°5546'14 50.29628 AU	min. Earth dist.	7092 Jan 24 23:10	5° <b>Ω</b> 53'44 48.18658 AU
morning rise	7085 Jul 21 11:06	29° <b>©</b> 51'28	direct	7092 Apr 15 23:26	4° <b>Ω</b> 55'02
. 1	7085 Jul 27 18:47	0° <b>Ω</b>	evening set	7092 Jul 16 05:35	6° <b>Ω</b> 10'43
retrograde	7085 Oct 27 08:40	1° <b>Ω</b> 13'48		7002 1 1 22 00 45	(0. <b>0</b> 20)22 12022141
opposition	7086 Jan 19 04:42	0° <b>Ω</b> 14'38 -14°53'46	conjunction	7092 Jul 23 08:45	6° <b>Ω</b> 20'23 -13°23'41
min. Earth dist.	7086 Jan 18 13:09	0° <b>Ω</b> 15'21 48.35512 AU	minimum elong	7092 Jul 23 08:57	6°Ω20'23 13°23'45 6°Ω20'51 50.10804 AU
direct	7086 Feb 01 11:05	30°Rତ 29°ତ୍ତ16'20	max. Earth dist.	7092 Jul 23 16:59 7092 Jul 30 12:53	6°Ω30'05
direct	7086 Apr 10 22:40 7086 Jun 16 03:44	0°Ω	morning rise retrograde	7092 Jul 30 12:33 7092 Nov 02 17:54	7° <b>Ω</b> 48'47
ovening set	7086 Jul 13 04:09	0° <b>Ω</b> 34'54	opposition	7093 Jan 25 11:28	6°Ω49'40 -13°51'55
evening set	/000 Jul 13 04.09	0 063434	min. Earth dist.	7093 Jan 25 03:46	6°Ω50'01 48.14153 AU
conjunction	7086 Jul 18 03:03	0° <b>Ω</b> 41'37 -14°14'47	direct	7093 Apr 17 04:03	5° <b>Ω</b> 51'17
minimum elong	7086 Jul 18 03:13	0°Ω41'38 14°14'51	evening set	7093 Jul 17 02:40	7° <b>Ω</b> 06'33
max. Earth dist.	7086 Jul 18 19:31	0°Ω42'33 50.28357 AU	evening set	7075 Jul 17 02.40	7 000000
morning rise	7086 Jul 23 02:33	0°Ω48'23	conjunction	7093 Jul 24 13:29	7°Ω16'38 -13°14'27
retrograde	7086 Oct 28 12:44	2°Ω10'06	minimum elong	7093 Jul 24 13:40	7°Ω16'39 13°14'30
opposition	7087 Jan 20 09:05	1° <b>Ω</b> 10'59 -14°45'34	max. Earth dist.	7093 Jul 24 20:36	7°Ω17'02 50.06226 AU
min. Earth dist.	7087 Jan 19 18:49	1°Ω11'39 48.33930 AU	morning rise	7093 Aug 01 01:19	7° <b>Ω</b> 26'47
direct	7087 Apr 12 01:48	0° <b>Ω</b> 12'43	retrograde	7093 Nov 03 20:32	8° <b>Ω</b> 45'02
evening set	7087 Jul 13 23:14	1° <b>Ω</b> 30'45	opposition	7094 Jan 26 15:56	7° <b>Ω</b> 45'53 -13°42'13
<i>8</i>			min. Earth dist.	7094 Jan 26 10:02	7° <b>Ω</b> 46'09 48.09271 AU
conjunction	7087 Jul 19 07:53	1° <b>Q</b> 38′02 -14°06′46	direct	7094 Apr 18 10:58	6° <b>Ω</b> 47'28
minimum elong	7087 Jul 19 08:04	1° <b>Ω</b> 38'03 14°06'50	evening set	7094 Jul 18 00:16	8° <b>Ω</b> 02'20
max. Earth dist.	7087 Jul 19 22:39	1° <b>Ω</b> 38'52 50.26698 AU	•		
morning rise	7087 Jul 24 17:16	1° <b>Ω</b> 45'21	conjunction	7094 Jul 25 18:27	8° <b>Ω</b> 12'50 -13°04'59
retrograde	7087 Oct 29 16:26	3° <b>₽</b> 06'30	minimum elong	7094 Jul 25 18:39	8° <b>Ω</b> 12'50 13°05'02
opposition	7088 Jan 21 13:26	2° <b>Ω</b> 07'26 -14°37'08	max. Earth dist.	7094 Jul 26 01:25	8° <b>Ω</b> 13'13 50.01313 AU
min. Earth dist.	7088 Jan 20 23:36	2° <b>Ω</b> 08'05 48.31920 AU	morning rise	7094 Aug 02 13:36	8° <b>£</b> 23′23
direct	7088 Apr 12 05:36	1° <b>Ω</b> 09'11	retrograde	7094 Nov 05 01:08	9° <b>Ω</b> 41'14
evening set	7088 Jul 13 18:51	2° <b>Ω</b> 26'43	opposition	7095 Jan 27 20:10	8° <b>Ω</b> 42'03 -13°32'16
			min. Earth dist.	7095 Jan 27 14:14	8° <b>Ω</b> 42'20 48.04061 AU
conjunction	7088 Jul 19 12:52	2° <b>Ω</b> 34'32 -13°58'33	direct	7095 Apr 19 16:42	7° <b>Ω</b> 43'35
minimum elong	7088 Jul 19 13:03	2° <b>Ω</b> 34'32 13°58'36	evening set	7095 Jul 18 21:59	8° <b>Ω</b> 58'06
max. Earth dist.	7088 Jul 20 02:13	2° <b>Ω</b> 35'17 50.24553 AU			
morning rise	7088 Jul 25 07:40	2° <b>Ω</b> 42'22	conjunction	7095 Jul 26 23:17	9° <b>Ω</b> 08'59 -12°55'17
retrograde	7088 Oct 29 20:22	4° <b>Ω</b> 03'00	minimum elong	7095 Jul 26 23:28	9° <b>Ω</b> 09'00 12°55'20
opposition	7089 Jan 21 17:53	3° <b>Ω</b> 03'57 -14°28'30	max. Earth dist.	7095 Jul 27 04:22	9° <b>Ω</b> 09'16 49.96083 AU
min. Earth dist.	7089 Jan 21 06:23	3° <b>Ω</b> 04'29 48.29398 AU	morning rise	7095 Aug 04 01:45	9° <b>Ω</b> 19'58
direct	7089 Apr 13 12:17	2° <b>Ω</b> 05'43	retrograde	7095 Nov 06 08:30	10° <b>Ω</b> 37'26
evening set	7089 Jul 14 15:06	3° <b>Ω</b> 22'46	opposition	7096 Jan 29 00:35	9° <b>Ω</b> 38'13 -13°22'06
			min. Earth dist.	7096 Jan 28 19:54	9° <b>Ω</b> 38'26 47.98550 AU
conjunction	7089 Jul 20 17:56	3° <b>Ω</b> 31'03 -13°50'08	direct	7096 Apr 19 19:03	8° <b>Ω</b> 39'43
minimum elong	7089 Jul 20 18:07	3°Ω31'04 13°50'12	evening set	7096 Jul 18 19:53	9° <b>Ω</b> 53'53
max. Earth dist.	7089 Jul 21 06:33	3° <b>Ω</b> 31'46 50.21892 AU		#006 X 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 00 00 00 00 00 00 00 00 00 00 00 00
morning rise	7089 Jul 26 21:30	3° <b>Ω</b> 39'24	conjunction	7096 Jul 27 04:17	10°Ω05'11 -12°45'21
retrograde	7089 Oct 31 01:27	4°Ω59'32	minimum elong	7096 Jul 27 04:29	10°Ω05'11 12°45'24
opposition	7090 Jan 22 22:19	4° <b>Ω</b> 00'29 -14°19'40	max. Earth dist.	7096 Jul 27 09:24	10° <b>Ω</b> 05'28 49.90547 AU

morning rise	7096 Aug 04 13:45	10° <b>Ω</b> 16'33
retrograde	7096 Nov 06 13:28	11° <b>Ω</b> 33'39
opposition	7097 Jan 29 04:55	10° <b>Ω</b> 34'26 -13°11'40
min. Earth dist.	7097 Jan 29 01:09	10° <b>Ω</b> 34'37 47.92725 AU
direct	7097 Apr 20 22:25	9° <b>Ω</b> 35'55
evening set	7097 Jul 19 18:05	10° <b>Ω</b> 49'46
conjunction	7097 Jul 28 09:12	11° <b>Ω</b> 01'27 -12°35'11
minimum elong	7097 Jul 28 09:23	11° <b>Ω</b> 01'28 12°35'14
max. Earth dist.	7097 Jul 28 12:55	11° <b>Ω</b> 01'40 49.84719 AU
morning rise	7097 Aug 06 01:30	11° <b>Ω</b> 13'12
retrograde	7097 Nov 07 18:02	12° <b>Ω</b> 29'59
opposition	7098 Jan 30 09:18	11° <b>Ω</b> 30'45 -13°01'01
min. Earth dist.	7098 Jan 30 05:40	11° <b>Ω</b> 30'56 47.86596 AU
direct	7098 Apr 22 01:46	10° <b>Ω</b> 32'13
evening set	7098 Jul 20 16:17	11° <b>Ω</b> 45'47
•		
conjunction	7098 Jul 29 14:08	11° <b>Ω</b> 57'51 -12°24'47
minimum elong	7098 Jul 29 14:20	11° <b>Ω</b> 57'52 12°24'51
max. Earth dist.	7098 Jul 29 16:50	11° <b>Ω</b> 58'01 49.78547 AU
morning rise	7098 Aug 07 13:17	12° <b>Ω</b> 09'59
retrograde	7098 Nov 08 22:15	13° <b>Ω</b> 26′29
opposition	7099 Jan 31 13:52	12° <b>Ω</b> 27'15 -12°50'07
min. Earth dist.	7099 Jan 31 12:18	12° <b>Ω</b> 27'19 47.80097 AU
direct	7099 Apr 23 07:18	11° <b>Ω</b> 28'43
evening set	7099 Jul 21 15:00	12° <b>Ω</b> 42'01
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	••
conjunction	7099 Jul 30 19:24	12° <b>Ω</b> 54'27 -12°14'10
minimum elong	7099 Jul 30 19:35	12° <b>Ω</b> 54'27 12°14'13
max. Earth dist.	7099 Jul 30 21:36	12° <b>Ω</b> 54'34 49.71987 AU
morning rise	7099 Aug 09 00:56	13° <b>Ω</b> 06'58
retrograde	7099 Nov 10 02:59	14° <b>Ω</b> 23'10
opposition	7100 Feb 01 18:09	13° <b>Ω</b> 23'56 -12°39'00
min. Earth dist.	7100 Feb 01 16:57	13° <b>Ω</b> 24'00 47.73166 AU
direct	7100 Apr 24 13:06	12° <b>Ω</b> 25'23
evening set	7100 Jul 22 13:56	13° <b>Ω</b> 38'26
<b>8</b>		
conjunction	7100 Aug 01 00:36	13° <b>Ω</b> 51'14 -12°03'21
minimum elong	7100 Aug 01 00:47	13° <b>Ω</b> 51'15 12°03'24
max. Earth dist.	7100 Aug 01 00:21	13° <b>Ω</b> 51'13 49.64953 AU
morning rise	7100 Aug 10 12:41	14° <b>Ω</b> 04'08
	7100 Sep 27 18:40	15° <b>Ω</b>
retrograde	7100 Nov 11 12:00	15° <b>Ω</b> 20'03
retrograde	7100 Dec 26 15:47	15°R <b>Ω</b>
opposition	7101 Feb 02 22:46	14° <b>Ω</b> 20'49 -12°27'40
min. Earth dist.	7101 Feb 02 23:20	14° <b>Ω</b> 20'48 47.65740 AU
direct	7101 Apr 25 14:36	13° <b>Ω</b> 22'14
evening set	7101 Jul 23 12:52	14° <b>Ω</b> 35'02
evening sec	7101 Jul 25 12.52	11 0633 02
conjunction	7101 Aug 02 05:52	14° <b>Ω</b> 48'12 -11°52'19
minimum elong	7101 Aug 02 05:32 7101 Aug 02 06:04	14°Ω48'13 11°52'22
max. Earth dist.	7101 Aug 02 00:04 7101 Aug 02 05:12	14°Ω48'10 49.57391 AU
man, Durin dist.	7101 Aug 02 03:12 7101 Aug 10 22:20	15°Ω
morning rise	7101 Aug 10 22:20 7101 Aug 12 00:07	15° <b>Ω</b> 01'27
retrograde	7101 Aug 12 00.07 7101 Nov 12 18:26	16° <b>Ω</b> 17'07
renograde	, 101 NOV 12 10.20	10 061/0/