conjunction	1601 Feb 10 04:21	21° ≈ 34′29	-1°04'34	retrograde	1606 Apr 21 12:25	10° ∡ ′41′58	
minimum elong	1601 Feb 10 05:01	21° ≈ 35'47	1°04'34	desc. node	1606 Apr 22 08:16	10° ∡ ¹41'43	
max. Earth dist.	1601 Feb 16 17:19	26° ≈ 44'35	2.37053 AU	opposition	1606 May 25 14:40	3° ∡ ¹58'00	-1°43'11
	1601 Feb 20 20:19	0° ∀		greatest brilliancy	1606 May 26 03:28	3° ∡ ¹47'12	-2.3m
	1601 Mar 31 03:36	$_{0}$ $^{\circ}$ Υ		min. Earth dist.	1606 Jun 03 02:25	1° ∡ ¹06'09	0.47782 AU
morning rise	1601 Apr 21 21:41	16° Υ 41'00		Time Darum Gibt.	1606 Jun 06 13:21	30°RM	0.17,02110
morning rise	1601 May 09 14:43	0°8		direct	1606 Jul 02 03:25	25°M41'48	
	•	0°II		direct	1606 Jul 28 00:19	0° %	
4	1601 Jun 19 23:27	7° П 10'50				0° ਨ	
asc. node	1601 Jun 30 05:27				1606 Sep 24 16:01		
	1601 Aug 02 20:58	0°©			1606 Nov 06 23:37	0° ≈	
	1601 Sep 19 05:07	0 $^{\circ}$ Ω			1606 Dec 17 13:40	0° ∀	
	1601 Nov 12 04:06	O°My			1607 Jan 27 00:17	0° Y	
retrograde	1602 Jan 22 14:57	21°Mp44'55		asc. node	1607 Feb 20 02:27	17° Y ′32'36	
opposition	1602 Mar 03 04:35	12°Mp26'32	4°08'22		1607 Mar 09 12:15	9° 8	
greatest brilliancy	1602 Mar 03 13:08	12° Mp 18'06	-1.3m		1607 Apr 21 15:49	$\Pi^{\circ}0$	
min. Earth dist.	1602 Mar 05 18:32	11° m 25'31	0.66796 AU		1607 Jun 05 12:53	0 \circ \odot	
direct	1602 Apr 13 14:21	2° m 25'55		evening set	1607 Jun 08 08:30	1°950'57	
	1602 Jul 04 18:55	0∘ ⊽		•	1607 Jul 21 19:17	$0^{\circ}\Omega$	
desc. node	1602 Jul 18 10:21	7° £ 35'23					
dese. node	1602 Aug 23 22:17	0°M		conjunction	1607 Jul 27 03:19	3° Ω 25'12	1°07'01
	1602 Oct 06 17:08	0° ∡ 7		minimum elong	1607 Jul 27 02:43	3° Ω 24'15	1°07'01
		% 0 ×		max. Earth dist.			
	1602 Nov 16 04:13			max. Earth dist.	1607 Aug 02 15:57	7° Ω 35'44	2.66516 AU
	1602 Dec 24 19:53	0° ≈			1607 Sep 06 20:13	0° m/y	
	1603 Jan 31 20:32	0° ∀		morning rise	1607 Sep 10 18:27	2° m/29'40	
evening set	1603 Feb 15 21:19	11°) 48'59			1607 Oct 24 01:50	0∘ ⊽	
	1603 Mar 11 06:34	$0^{\circ}\mathbf{\Upsilon}$			1607 Dec 10 06:26	0° M	
	1603 Apr 19 22:24	$8^{\circ 0}$			1608 Jan 26 16:19	0° ∡ ¹	
				desc. node	1608 Mar 09 07:20	26° ∡ ¹20'58	
conjunction	1603 Apr 23 00:30	2° 8 16'54	-0°16'08		1608 Mar 15 08:57	8°0	
minimum elong	1603 Apr 23 01:44	2° 8 19'13	0°16'06		1608 May 08 17:36	0° ≈	
asc. node	1603 May 18 05:48	20° 8 37'01		retrograde	1608 Jul 04 10:31	16° ≈ 09'13	
	1603 May 31 10:56	$\Pi^{\circ}0$		opposition	1608 Aug 03 11:56	11° ≈ 11'45	-6°49'33
max. Earth dist.	1603 Jun 06 06:12	4° ∏ 04'26	2.49142 AU	greatest brilliancy	1608 Aug 03 22:17	11° ≈ 04'52	-2.9m
morning rise	1603 Jun 22 09:42	15° Ⅱ 15'31		min. Earth dist.	1608 Aug 05 03:04	10° ≈ 45'44	0.37560 AU
morning rise	1603 Jul 14 04:04	0°9		direct	1608 Sep 02 19:09	6° ≈ 05'37	0.57500710
	1603 Aug 29 05:26	$0 {\circ} \Omega$		direct	1608 Nov 10 09:15	0° ∺	
	1603 Oct 16 23:56	0° m y			1608 Dec 29 01:17	0°Υ	
						5° Υ 52'46	
	1603 Dec 09 17:25	0∘ ʊ		asc. node	1609 Jan 07 02:07		
retrograde	1604 Mar 01 12:48	26° Ω 59'05			1609 Feb 12 18:02	0° 8	
opposition	1604 Apr 08 06:00	18° ≏ 37'07			1609 Mar 30 12:41	0°Щ	
greatest brilliancy	1604 Apr 08 19:29	18° ≏ 24'20	-1.6m		1609 May 16 02:28	0ಂತಾ	
min. Earth dist.	1604 Apr 14 13:43	16° £ 13'35	0.59985 AU		1609 Jul 02 08:21	$0^{\circ}\Omega$	
direct	1604 May 19 04:00	8° ≏ 48'16		evening set	1609 Jul 17 06:46	9° Ω 27'01	
desc. node	1604 Jun 04 09:08	10° ≏ 24'53			1609 Aug 18 16:21	0° m y	
	1604 Jul 24 22:43	0°M		max. Earth dist.	1609 Aug 25 01:02	4° Mp 03′08	2.67216 AU
	1604 Sep 12 01:09	0° ∡ ¹					
	1604 Oct 24 03:23	0°ප		conjunction	1609 Sep 01 03:15	8° m 34'50	1°04'09
	1604 Dec 02 12:29	0° ≈		minimum elong	1609 Sep 01 04:01	8° mp 36'03	1°04'09
	1605 Jan 10 01:17	0° ∀		C	1609 Oct 04 10:07	0∘ <mark>⊽</mark>	
	1605 Feb 17 23:31	$0^{\circ}\Upsilon$		morning rise	1609 Oct 15 12:21	7° ≏ 12'49	
	1605 Mar 30 04:39	0°8		morning rise	1609 Nov 19 02:18	0°M	
asc. node	1605 Apr 04 04:20	3° 8 37'53			1610 Jan 02 12:47	0° ∡ 7	
evening set	1605 Apr 20 15:36	15° 6 28'57		desc. node	1610 Jan 25 06:57	15° ×7 40'49	
evening set	•			desc. Hode			
	1605 May 11 06:03	Π °0			1610 Feb 14 19:49	ව°0	
	1605 7 15 06 55	220TF 55140	0044104		1610 Mar 29 06:18	0° ≈	
conjunction	1605 Jun 15 06:55	23° I 57'40			1610 May 10 14:35	0°) €	
minimum elong	1605 Jun 15 05:18	23° ∏ 54'57	0°41'03		1610 Jun 24 00:49	0°Υ	
	1605 Jun 24 07:30	0 \circ \odot			1610 Aug 23 01:05	0°8	
max. Earth dist.	1605 Jul 08 14:58	9° © 28'29	2.60378 AU	retrograde	1610 Sep 13 19:29	3° 8 15'14	
morning rise	1605 Aug 04 15:53	27° © 05'01			1610 Oct 05 05:27	30° ₹Ƴ	
	1605 Aug 09 04:36	0 ° Ω		min. Earth dist.	1610 Oct 11 03:00	28° Y 11'38	0.43770 AU
	1605 Sep 25 13:09	0° m		greatest brilliancy	1610 Oct 18 12:26	25° Y '42'46	-2.5m
	1605 Nov 13 08:18	0∘ ⊽		opposition	1610 Oct 19 02:20	25° Y 31'03	-2°09'25
	1606 Jan 03 17:22	0°M		direct	1610 Nov 19 23:40	19° Y 13′12	
	1606 Mar 05 12:44	0° ∡ 7		asc. node	1610 Nov 25 01:09	19° Y ′23'23	
		- - -					

							
	1611 Jan 04 04:52	0°8		conjunction	1616 Jan 14 14:17	23° る 57'14	
	1611 Mar 04 08:50	Π °0		minimum elong	1616 Jan 14 12:28	23° る 53'41	1°00'18
	1611 Apr 24 14:37	0			1616 Jan 22 07:37	0° ≈	
	1611 Jun 13 01:18	$0 {\circ} \Omega$			1616 Feb 29 09:41	0°) €	
	1611 Jul 31 08:19	0° m)		morning rise	1616 Mar 22 22:03	17° ¥ 41′05	
evening set	1611 Aug 23 09:56	14° m 38'21			1616 Apr 07 17:59	$0^{\circ}\mathbf{\Upsilon}$	
	1611 Sep 16 04:48	0∘ ⊽			1616 May 17 05:12	0°B	
max. Earth dist.	1611 Sep 18 02:44	1° ≏ 14'57	2.62523 AU		1616 Jun 27 14:56	$\Pi^{\circ}0$	
	1			asc. node	1616 Jul 16 22:44	13° Ⅱ 23'48	
conjunction	1611 Oct 08 07:15	14° ≏ 33'10	0°36'25		1616 Aug 10 19:19	0ಂತಾ	
minimum elong	1611 Oct 08 08:20	14° Ω 34'58	0°36'24		1616 Sep 28 07:26	$0^{\circ}\Omega$	
minimum ciong	1611 Oct 31 06:42	0°M	0 3024		1616 Nov 27 19:22	0° mp	
mamina rica	1611 Nov 23 18:10	16°M08'43		ratra ara da	1617 Jan 08 21:58	9°Mg00'57	
morning rise				retrograde		-•	
desc. node	1611 Dec 13 05:54	29°M50'07			1617 Feb 16 12:25	30°R€	
	1611 Dec 13 11:28	0° ∡ 7		opposition	1617 Feb 17 21:14	29° Ω 27'28	4°26'46
	1612 Jan 23 23:23	0°る		greatest brilliancy	1617 Feb 18 00:28	29° Ω 24'15	-1.3m
	1612 Mar 04 03:37	0° ≈		min. Earth dist.	1617 Feb 18 22:45	29° Ω 02'07	0.67685 AU
	1612 Apr 12 14:53	0°) €		direct	1617 Mar 31 00:11	19° Ω 32'42	
	1612 May 22 07:06	0° Y			1617 May 16 12:27	0° m ∕	
	1612 Jul 02 15:28	0°B			1617 Jul 15 10:26	0∘ ত	
	1612 Aug 17 21:53	$\Pi^{\circ}0$		desc. node	1617 Aug 04 02:19	11° ≏ 48'29	
asc. node	1612 Oct 11 23:19	24° Ⅱ 12'36			1617 Sep 01 10:13	0° M	
retrograde	1612 Oct 30 05:20	26° Ⅲ 24'57			1617 Oct 14 14:49	0° ∡ ¹	
min. Earth dist.	1612 Dec 01 18:49	19° Ⅱ 15'46	0.56662 AU		1617 Nov 23 21:38	0°ਰ	
opposition	1612 Dec 08 07:49	16° ∏ 42'51	2°32'06		1618 Jan 01 11:47	0° ≈	
greatest brilliancy	1612 Dec 07 16:14	16° ∏ 58'03	-1.8m	evening set	1618 Jan 18 13:15	13° ≈ 27'56	
		8° П 27'30	-1.0111	evening set		15 ≈ 27 30	
direct	1613 Jan 13 16:40				1618 Feb 08 11:05		
	1613 Mar 25 23:26	0° ©			1618 Mar 18 19:01	0 ° Υ	
	1613 May 21 08:27	0 $^{\circ}\Omega$					
	1613 Jul 11 01:09	0° ™		conjunction	1618 Mar 27 13:20	6° Y 45′01	
	1613 Aug 27 17:00	0∘ ⊽		minimum elong	1618 Mar 27 16:23	6° Ƴ 50'53	0°41'37
evening set	1613 Sep 30 12:34	22° ≏ 21'49			1618 Apr 27 07:53	0°B	
	1613 Oct 11 18:00	0°M₊		max. Earth dist.	1618 May 17 17:03	14° 8 57'37	2.43791 AU
max. Earth dist.	1613 Oct 16 17:32	3°M25'24	2.52831 AU	morning rise	1618 Jun 01 04:26	25° 8 21'39	
desc. node	1613 Oct 30 04:39	12°M46'58		asc. node	1618 Jun 03 21:09	27° 8 16'37	
					1618 Jun 07 17:30	$\Pi^{\circ}0$	
conjunction	1613 Nov 18 22:56	26°M48′28	-0°12'00		1618 Jul 21 10:09	0°छ	
minimum elong	1613 Nov 18 22:22	26° ™ 47'28	0°11'59		1618 Sep 05 18:20	$0^{\circ}\Omega$	
behind sun begin	1613 Nov 18 07:30	26° ™ 20'47			1618 Oct 25 17:06	0° m	
behind sun end	1613 Nov 19 13:15	27°M14'10			1618 Dec 23 20:52	0∘ ⊽	
bennia san ena	1613 Nov 23 09:20	0° √		retrograde	1619 Feb 14 12:33	0 — 12° Ω 54'24	
		% ರ		•		4° Ω 06'50	2012150
	1614 Jan 03 00:34			opposition	1619 Mar 25 03:06		3°12'58
morning rise	1614 Jan 11 21:16	6° る 42'22		greatest brilliancy	1619 Mar 25 16:54	3° ₾ 53'30	-1.5m
	1614 Feb 11 05:32	0° ≈		min. Earth dist.	1619 Mar 30 00:52	2° ₽ 13'09	0.63404 AU
	1614 Mar 21 17:55	0° ∀			1619 Apr 05 00:09	30°₽, Т р	
	1614 Apr 29 10:08	0° Y		direct	1619 May 05 11:31	24°M)07'36	
	1614 Jun 08 05:31	0°8			1619 Jun 07 05:03	0∘ ⊽	
	1614 Jul 20 09:19	Π $^{\circ}0$		desc. node	1619 Jun 22 00:33	5° ≏ 35'14	
asc. node	1614 Aug 29 23:15	26° Ⅲ 20′12			1619 Aug 07 19:18	0°M₊	
	1614 Sep 05 01:19	0ಂ ತಾ			1619 Sep 22 17:13	0° ∡ 7	
	1614 Nov 06 06:31	$0^{\circ}\Omega$			1619 Nov 02 21:43	8°0	
retrograde	1614 Dec 06 11:09	5° Ω 14'12			1619 Dec 11 21:06	0° ≈	
	1615 Jan 03 11:35	30° Ŗ ூ			1620 Jan 19 03:04	0° ∀	
min. Earth dist.	1615 Jan 12 20:07	26° © 25'43	0.65343 AU		1620 Feb 26 18:43	$0^{\circ}\mathbf{Y}$	
opposition	1615 Jan 15 16:03	25°9517'44	4°19'21	evening set	1620 Mar 28 13:39	23° Υ 14'44	
greatest brilliancy	1615 Jan 15 04:49	25°\$28'59		evening sec	1620 Apr 06 16:51	0°8	
direct	1615 Feb 24 02:11	15°956'44	-1.4111	asc. node	1620 Apr 20 20:37	10° 8 19'46	
direct				asc. nouc	-		
	1615 Apr 20 19:04	0° N			1620 May 18 11:29	$\Pi^{\circ}0$	
	1615 Jun 19 02:31	0° m			1600 16 07 01 11		000011
	1615 Aug 08 02:33	0∘ ⊽		conjunction	1620 May 27 04:44	6° Ⅱ 04'47	0°22'16
desc. node	1615 Sep 17 03:27	26° Ω 09'49		minimum elong	1620 May 27 03:31	6° Ⅱ 02'40	0°22'14
	1615 Sep 22 19:03	0° M		max. Earth dist.	1620 Jun 27 06:13		2.56536 AU
	1615 Nov 04 08:36	0° ∡ ¹			1620 Jul 01 07:59	0	
evening set	1615 Nov 16 18:42	9° ₰ 06'11		morning rise	1620 Jul 19 17:14	12° © 10'42	
max. Earth dist.	1615 Dec 08 12:33	25° ∡ ¹22'59	2.40087 AU		1620 Aug 16 04:29	$0^{\circ}\Omega$	
	1615 Dec 14 14:18	ರ°0			1620 Oct 02 21:28	0° ™	
					1620 Nov 21 21:39	0∘ ⊽	

retrograde opposition greatest brilliancy desc. node min. Earth dist. direct	1621 Jan 16 07:40 1621 Mar 30 10:23 1621 May 05 05:18 1621 May 05 06:53 1621 May 08 23:56 1621 May 13 07:45 1621 Jun 13 13:56	0°M 22°M12'05 14°M43'23 14°M41'58 13°M21'46 11°M49'15 5°M36'00	0°10'44 -2.0m 0.52978 AU	evening set max. Earth dist.	1626 May 03 01:37 1626 Jun 20 10:05 1626 Aug 07 05:45 1626 Aug 09 01:18 1626 Sep 08 13:14 1626 Sep 22 23:52	0°€ 0°€ 0°™ 1°™08'57 20°™38'19 0°₽	2.64979 AU
dicci	1621 Aug 22 14:40 1621 Oct 07 18:12 1621 Nov 17 15:25 1621 Dec 27 01:20 1622 Feb 04 16:26	0°₩ 0°₩ 0°₩ 0°₩		conjunction minimum elong morning rise	1626 Sep 23 13:48 1626 Sep 23 14:57 1626 Nov 07 17:49 1626 Nov 07 05:53 1626 Dec 20 20:02	0° £ 22'42 0° £ 24'34 0° M 20'08 0° M	0°49'54 0°49'53
asc. node	1622 Mar 08 19:12 1622 Mar 17 12:37 1622 Apr 29 03:09	23° Y 41'20 0° ∀ 0° I I		desc. node	1626 Dec 29 21:02 1627 Jan 31 21:15 1627 Mar 13 17:05	6° ҂ 21'49 0°る 0°≈	
evening set	1622 May 21 20:45 1622 Jun 12 14:28	15° Ⅱ 29′09 0° ©			1627 Apr 22 21:32 1627 Jun 02 11:54 1627 Jul 15 15:50	0° ႘ 0° Ƴ	
conjunction minimum elong max. Earth dist.	1622 Jul 11 18:23 1622 Jul 11 17:14 1622 Jul 24 11:51	19°506'03 19°504'10 27°519'44	1°00'38 1°00'39 2.64757 AU	retrograde asc. node	1627 Sep 07 21:15 1627 Oct 14 12:43 1627 Oct 29 16:52	0°П 8°П18'53 6°П37'48	
morning rise	1622 Jul 28 15:27 1622 Aug 27 18:15 1622 Sep 13 17:11	0° Ω 19° Ω 14'50 0° ™		min. Earth dist.	1627 Nov 13 22:23 1627 Nov 19 04:18 1627 Nov 21 14:30	1°Ⅱ58'09 30°Ŗ႘ 29°႘05'04	0.51801 AU 1°08'50
	1622 Oct 31 09:16 1622 Dec 18 16:25 1623 Feb 06 14:20	0°₩ 0°₽		greatest brilliancy direct	1627 Nov 21 05:47 1627 Dec 26 08:19 1628 Feb 04 18:23	29°႘13'15 21°႘28'47 0°Щ	-2.1m
desc. node	1623 Mar 26 23:56 1623 Apr 03 10:48 1623 Jun 03 03:34	26° 🗷 24'34 0°る 17°る12'30	500 011 6		1628 Apr 07 11:25 1628 May 29 22:47 1628 Jul 18 10:30	0° N 0° N	
opposition greatest brilliancy min. Earth dist. direct	1623 Jul 04 08:33 1623 Jul 05 10:54 1623 Jul 10 11:58 1623 Aug 06 07:56	11° 548'07 11° 529'00 10° 501'57 5° 535'06		evening set max. Earth dist.	1628 Sep 03 16:43 1628 Sep 14 18:21 1628 Oct 04 01:48 1628 Oct 18 17:03	0° Ω 7° Ω 14'17 20° Ω 04'49 0° ጤ	2.57162 AU
	1623 Oct 13 09:23 1623 Nov 28 20:02 1624 Jan 11 01:48	0°≈ 0°¥ 0°Υ		conjunction minimum elong	1628 Nov 01 06:58 1628 Nov 01 07:19	9°M21'26 9°M22'02	0°08'42 0°08'42
asc. node	1624 Jan 24 17:06 1624 Feb 23 08:56 1624 Apr 07 18:35	9° Ƴ 30'11 0° ႘ 0°Ⅱ		behind sun begin behind sun end desc. node	1628 Oct 31 13:47 1628 Nov 02 00:51 1628 Nov 15 20:20	8°M.51'37 9°M.52'28 19°M.32'56	
evening set	1624 May 23 12:17 1624 Jul 02 09:11 1624 Jul 09 06:42	0°© 25°©36'11 0°Ω		morning rise	1628 Nov 30 12:37 1628 Dec 21 09:31 1629 Jan 10 10:36	0°♂ 15°♂08'53 0°♂	
max. Earth dist.	1624 Aug 16 00:08 1624 Aug 17 23:55	25° Ω 16'07			1629 Feb 18 23:00 1629 Mar 29 18:10 1629 May 07 16:41	0° ₩ 0° Υ	
minimum elong morning rise	1624 Aug 18 00:14 1624 Aug 25 10:19 1624 Oct 01 11:53	25° \alpha 16'36 0° m 23° m 41'43	1°08'22	asc. node	1629 Jun 16 20:21 1629 Jul 29 19:04 1629 Sep 15 15:09	0° В 0° П 29° П 03'52	
	1624 Oct 11 06:59 1624 Nov 26 10:06 1625 Jan 10 17:06	0°ൂ 0°™ 0°⊶		retrograde min. Earth dist.	1629 Sep 17 09:15 1629 Nov 22 15:14 1629 Dec 28 06:23	0°9 21°915'54 13°902'12	0.62661 AU
desc. node	1625 Feb 10 22:35 1625 Feb 24 08:14 1625 Apr 09 19:09 1625 May 25 17:23 1625 Jul 22 06:40	20°♂57'33 0°る 0°≈ 0°⊁ 0°Υ		opposition greatest brilliancy direct	1630 Jan 01 14:16 1629 Dec 31 23:03 1630 Feb 08 23:33 1630 May 04 13:19 1630 Jun 27 20:23	11°518'39 11°533'50 2°518'39 0°\$\Omega\$ 0°\$\Pi\$	3°52'21 -1.5m
retrograde min. Earth dist.	1625 Aug 20 15:02 1625 Sep 16 03:15 1625 Sep 19 18:47	5° Y 33'03 1° Y 04'14 30° ₹ X	0.39419 AU	desc. node	1630 Aug 15 15:52 1630 Sep 30 00:24 1630 Oct 03 19:00	0° 丘 0°ጤ 2°ጤ35'21	
greatest brilliancy opposition direct	1625 Sep 21 08:29 1625 Sep 22 05:06 1625 Oct 22 08:33	29° ₭ 32'01 29° ₭ 16'44 23° ₭ 54'39		evening set max. Earth dist.	1630 Oct 27 20:43 1630 Nov 11 13:48 1630 Nov 11 14:31	19° M 25'43 0° ҂ 0° ҂ 701'18	2.45106 AU
asc. node	1625 Nov 23 14:45 1625 Dec 11 17:07 1626 Jan 24 01:46 1626 Mar 15 08:28	0°Y 7°Y16'54 0°႘ 0°Ⅱ		conjunction minimum elong	1630 Dec 21 03:48 1630 Dec 21 01:40 1630 Dec 21 22:35	29°♂24'20 29°♂20'19 0°♂	

asc. node retrograde opposition min. Earth dist.	1631 Jan 29 19:43 1631 Feb 21 18:57 1631 Mar 09 00:48 1631 Apr 16 10:52 1631 May 25 23:18 1631 Jul 06 12:10 1631 Aug 03 14:13 1631 Aug 20 05:13 1631 Oct 09 20:25 1631 Dec 27 12:59 1632 Feb 05 17:49 1632 Feb 05 06:53	0°≈ 18°≈00'40 0° \(\text{H} \) 0° \(\text{V} \) 0° \(\text{H} \) 0° \(\text{H} \) 0° \(\text{H} \) 0° \(\text{H} \) 19° \(\text{H} \)09'38 0° \(\text{O} \) 26° \(\Omega \) 18'16 16° \(\Omega \) 32'57 16° \(\Omega \) 43'52	4°33'31 0.67558 AU	greatest brilliancy min. Earth dist. desc. node direct	1636 Apr 17 22:46 1636 Apr 24 12:48 1636 May 25 15:52 1636 May 28 00:16 1636 Jul 13 19:20 1636 Sep 05 05:09 1636 Oct 18 06:23 1636 Nov 27 01:03 1637 Jan 04 19:13 1637 Feb 12 21:37 1637 Mar 25 10:45 1637 Mar 25 06:24	27° 年42'33 25° 年15'22 18° 年16'33 18° 年14'22 0° M 0° ズ 0° ズ 0° ズ 0° 米 0° 米 0° Y 0° Y	-1.8m 0.57727 AU
greatest brilliancy	1632 Feb 05 15:13	16° £ 35'32	-1.3m	evening set	1637 May 02 14:52	27° 8 19'57	
direct	1632 Mar 17 08:39	6° Ω 48'11			1637 May 06 10:50	0° Ⅱ	
	1632 May 31 16:29 1632 Jul 24 13:55	0 ்⊽ 0 ்மி			1637 Jun 19 14:35	0° ©	
desc. node	1632 Aug 20 17:37	17° ≙ 02'24		conjunction	1637 Jun 25 08:31	3° 5 48'57	0°49'41
	1632 Sep 09 08:38	0°M		minimum elong	1637 Jun 25 06:58	3°546'22	0°49'41
	1632 Oct 22 05:05 1632 Dec 01 10:27	0°る		max. Earth dist.	1637 Jul 14 18:13 1637 Aug 04 11:57	16° ॐ 33'54 0° Ω	2.62175 AU
evening set	1632 Dec 01 10:27	16° පි 15'00		morning rise	1637 Aug 13 07:42	5° Ω 39'44	
	1633 Jan 09 01:09	0° ≈			1637 Sep 20 16:53	0° m	
	1633 Feb 16 00:45	0° ∀			1637 Nov 07 24:00	0° ™	
conjunction	1633 Feb 26 16:11	8°) €23'29	-1°00'10		1637 Dec 27 22:51 1638 Feb 20 16:22	0° M 0° ∡	
minimum elong	1633 Feb 26 18:32	8°) €28'06		desc. node	1638 Apr 12 14:37	20° ₹ 03'31	
	1633 Mar 26 07:54	0° Υ		retrograde	1638 May 05 16:08	23° ₹ 01'34	
max. Earth dist.	1633 Apr 11 23:43	12° Y 48'30 0° と	2.38671 AU	opposition	1638 Jun 07 17:14	16° ₹ 45'31 16° ₹ 28'40	-2°59'47 -2.4m
morning rise	1633 May 04 18:56 1633 May 07 11:56	2° 8 00'49		greatest brilliancy min. Earth dist.	1638 Jun 08 14:04 1638 Jun 15 20:50	16 x · 28 40 14° x 07'53	-2.4III 0.44896 AU
	1633 Jun 15 02:43	0°II		direct	1638 Jul 13 20:06	9° ∡ 08'10	
asc. node	1633 Jun 20 13:55	3° Ⅱ 50′52			1638 Sep 13 17:55	8°0	
	1633 Jul 28 20:45 1633 Sep 13 16:36	0ం U 0ంత			1638 Oct 30 07:44 1638 Dec 11 02:05	0° ≈ 0°) €	
	1633 Nov 04 15:08	0°Mp			1639 Jan 21 04:48	0°Υ	
retrograde	1634 Jan 30 16:32	29° m 35'36		asc. node	1639 Feb 10 10:23	14° Y 34'47	
opposition	1634 Mar 10 23:41	20° m 27'05	3°51'50		1639 Mar 04 03:59	0° 8	
greatest brilliancy min. Earth dist.	1634 Mar 11 10:41 1634 Mar 14 10:02	20° Mp 16'19	-1.4m 0.65871 AU		1639 Apr 16 15:27 1639 May 31 18:05	0°© 0°∏	
direct	1634 Apr 21 11:12	19 mp 25'07	0.038/1 AU	evening set	1639 Jun 17 18:06	11° 5 04'16	
	1634 Jun 26 13:47	0∘ ⊽		<i>3</i>	1639 Jul 17 03:33	$0^{\circ}\Omega$	
desc. node	1634 Jul 08 17:09	6° ≙ 14'46					
	1634 Aug 18 01:14	0° M 0° ∡ 1		conjunction	1639 Aug 04 14:50	11° Ω 48'12 11° Ω 47'48	1°08'42 1°08'42
	1634 Oct 01 10:36 1634 Nov 11 02:56	0°る		minimum elong max. Earth dist.	1639 Aug 04 14:35 1639 Aug 08 00:39	11 δ (4/48 13° Ω 58'37	
	1634 Dec 19 20:46	0° ≈			1639 Sep 02 04:41	0° m p	
	1635 Jan 26 22:33	0° ∀		morning rise	1639 Sep 18 17:02	10° m 30'31	
evening set	1635 Mar 03 15:44 1635 Mar 06 09:46	27° ¥ 52'47 0° Ƴ			1639 Oct 19 06:29 1639 Dec 05 00:27	0°. 0° ⊽	
	1635 Apr 15 02:57	0° 8			1640 Jan 20 12:17	0° ⊼ ¹	
	r			desc. node	1640 Feb 28 14:09	25° ∡ ¹06'39	
conjunction	1635 May 06 15:34	15° 8 43'14			1640 Mar 07 06:32	6°0	
minimum elong behind sun begin	1635 May 06 15:40 1635 May 05 14:21	15° 8 43'24 14° 8 57'45	0°01'12		1640 Apr 24 22:08 1640 Jun 25 21:28	0° ≈ 0°) €	
behind sun end	1635 May 07 17:00	14 8 3743		retrograde	1640 Jul 22 10:32	4° ∺ 21′26	
asc. node	1635 May 08 11:52	17° 8 02'58			1640 Aug 19 00:35	30° R ≈	
	1635 May 26 16:34	$\Pi^{\circ 0}$		min. Earth dist.	1640 Aug 20 09:35		0.37347 AU
max. Earth dist.	1635 Jun 15 00:11	13° П 26'32 25° П 53'03	2.51976 AU	opposition	1640 Aug 21 22:53	29°≈13'03	
morning rise	1635 Jul 03 06:46 1635 Jul 09 09:51	25°Щ53'03		greatest brilliancy direct	1640 Aug 21 17:43 1640 Sep 20 11:48	29°≈16'30 24°≈18'32	-4.7111
	1635 Aug 24 07:50	0° U			1640 Oct 21 02:28	0° ∀	
	1635 Oct 11 14:08	0° m			1640 Dec 19 18:09	0° Υ	
	1635 Dec 02 12:26	0∘ m 0∘ ⊽		asc. node	1640 Dec 28 09:27	5° Y 12'57	
retrograde	1636 Feb 06 08:33 1636 Mar 11 08:31	0°M 5°M58'04			1641 Feb 05 22:32 1641 Mar 24 19:55	0°B 0°B	
	1636 Apr 11 15:56	30° ₹ Ω			1641 May 11 00:07	0 . ಪ	
opposition	1636 Apr 17 11:41	27° ≙ 52'54	1°38'02		1641 Jun 27 13:46	0 ° Ω	

evening set	1641 Jul 25 15:32	17° Ω 42'19			1646 Jun 02 22:48	0° ႘	
<i>3</i>	1641 Aug 14 01:11	0° mp			1646 Jul 14 18:41	0°II	
max. Earth dist.	1641 Aug 30 08:49	10° m 24'00	2.66644 AU	asc. node	1646 Aug 20 06:13	24° Ⅱ 14'54	
					1646 Aug 29 10:48	0ංම	
conjunction	1641 Sep 09 06:20	16° Mp 44'38			1646 Oct 23 16:32	$0^{\circ}\Omega$	
minimum elong	1641 Sep 09 07:18	16° Mp 46'11	0°59'56	retrograde	1646 Dec 14 05:02	13° Ω 20'12	
	1641 Sep 29 18:55	0° ʊ		min. Earth dist.	1647 Jan 21 11:41	4° Ω 14'05	0.66420 AU
morning rise	1641 Oct 23 18:43	15° ჲ 42'01 0° ™		opposition	1647 Jan 23 11:02 1647 Jan 23 02:42	3° \O 26'42 3° \O 35'02	4°28'19
	1641 Nov 14 07:17 1641 Dec 28 10:06	0° ⊼ 1		greatest brilliancy	1647 Feb 01 07:49	30°R≌	-1.5111
desc. node	1642 Jan 15 12:40	12° ∡ 135'18		direct	1647 Mar 04 08:35	23°956'02	
dese. node	1642 Feb 09 05:10	0°る			1647 Apr 07 18:02	0°Ω	
	1642 Mar 22 23:13	0° ≈			1647 Jun 12 18:56	0° m)	
	1642 May 03 07:03	0°) €			1647 Aug 02 21:44	0∘ ত	
	1642 Jun 14 16:16	$0^{\circ}\mathbf{\Upsilon}$		desc. node	1647 Sep 07 10:10	22° ≏ 54'51	
	1642 Aug 01 20:12	$0^{\circ}S$			1647 Sep 17 23:01	0° M	
retrograde	1642 Sep 25 17:24	17° 8 17'57			1647 Oct 30 15:22	0° ∡ ¹	
min. Earth dist.	1642 Oct 24 00:38	_	0.46581 AU	evening set	1647 Nov 29 03:00	21° ₹ 50'15	
opposition	1642 Nov 01 05:30 1642 Nov 01 00:01	8° 8 54'18		Earth diet	1647 Dec 09 21:10	0°る	2 27041 ATT
greatest brilliancy asc. node	1642 Nov 15 08:16	8° と 59'08 4° と 30'04	-2.4m	max. Earth dist.	1648 Jan 02 22:58 1648 Jan 17 13:33	18°る34'27 0°≈	2.37841 AU
direct	1642 Dec 04 02:55	2° 8 06'19			1046 Jan 17 13.33	0 ~	
ancer	1643 Feb 23 23:16	0°Ⅱ		conjunction	1648 Jan 29 18:42	9° ≈ 36'57	-1°04'29
	1643 Apr 18 14:38	0°9		minimum elong	1648 Jan 29 18:03	9° ≈ 35'40	
	1643 Jun 07 21:59	$0^{\circ}\Omega$		_	1648 Feb 24 14:16	0°) €	
	1643 Jul 26 13:57	0° m			1648 Apr 02 21:19	$0^{\circ}\mathbf{\Upsilon}$	
evening set	1643 Aug 31 18:53	23° Mp 00'28		morning rise	1648 Apr 09 01:50	4° Y 46'57	
	1643 Sep 11 13:47	0∘ ⊽			1648 May 12 07:24	0.8	
max. Earth dist.	1643 Sep 24 01:21	8° £ 10'45	2.60803 AU	,	1648 Jun 22 14:52	0°II	
conjunction	1643 Oct 17 02:33	23° ≏ 32'42	0°27'04	asc. node	1648 Jul 07 04:54 1648 Aug 05 13:13	10°∏11'10 0°©	
minimum elong	1643 Oct 17 02:33 1643 Oct 17 03:28	23° £ 3242 23° £ 34'14			1648 Sep 22 05:06	0° U	
minimum ciong	1643 Oct 26 15:10	0° M	0 27 02		1648 Nov 16 23:05	0° m p	
morning rise	1643 Dec 03 14:41	26°M23'06		retrograde	1649 Jan 16 17:10	16° Mp 45'46	
desc. node	1643 Dec 03 11:31	26°M17'30		opposition	1649 Feb 25 12:04	7° m 20'17	4°17'19
	1643 Dec 08 16:48	0° ∡ ¹		greatest brilliancy	1649 Feb 25 18:24	7° m 14'02	-1.3m
	1644 Jan 18 23:40	0° ට		min. Earth dist.	1649 Feb 27 10:11	~	0.67329 AU
	1644 Feb 27 22:03	0° ≈			1649 Mar 18 11:55	30°R Ω	
	1644 Apr 07 02:50	0°) €		direct	1649 Apr 07 19:45	27° Ω 21'36	
	1644 May 16 11:09 1644 Jun 26 05:23	0° ∀			1649 Apr 29 12:55 1649 Jul 08 19:24	0° ट 0°क्र	
	1644 Juli 26 03.23 1644 Aug 09 17:07	0°II		desc. node	1649 Jul 25 08:26	ი ა	
asc. node	1644 Oct 02 07:43	28° Ⅱ 13'54		desc. node	1649 Aug 27 00:08	0° M	
use. Houe	1644 Oct 07 02:28	0°95			1649 Oct 09 13:59	0° ∡ 7	
retrograde	1644 Nov 08 01:04	6° © 09'30			1649 Nov 19 00:08	8°0	
	1644 Dec 08 01:44	30° ₹Ⅱ			1649 Dec 27 15:39	0° ≈	
min. Earth dist.	1644 Dec 11 17:49	28° Ⅲ 35'54	0.59029 AU	evening set	1650 Feb 03 11:07	29° ≈ 51'18	
opposition	1644 Dec 17 12:39	26° Ⅱ 19'10	3°07'49		1650 Feb 03 15:32	0° ∀	
greatest brilliancy	1644 Dec 16 19:58	26° II 35'37	-1.7m		1650 Mar 13 23:56	0° Υ	
direct	1645 Jan 23 16:14 1645 Mar 15 10:00	17° Ⅱ 45'58 0° ©		agniunation	1650 Apr 11 20:41	22° Y 00'38	0027126
	1645 May 15 04:11	0° U		conjunction minimum elong	1650 Apr 11 20:41 1650 Apr 11 22:52	22° Υ 04'44	
	1645 Jul 05 21:43	0° m		minimum ciong	1650 Apr 22 13:22	0°8	0 27 23
	1645 Aug 22 22:44	0∘ ಹ		asc. node	1650 May 25 04:53	23° 8 46'47	
	1645 Oct 07 02:33	0° M ₊		max. Earth dist.	1650 May 29 13:48		2.46772 AU
evening set	1645 Oct 09 23:56	1°M58'58			1650 Jun 02 23:04	$\Pi^{\circ}0$	
desc. node	1645 Oct 20 11:20	9° M 13′49		morning rise	1650 Jun 13 14:29	7° Ⅱ 27'58	
max. Earth dist.	1645 Oct 24 21:51	12°M19'55	2.50163 AU		1650 Jul 16 14:22	0°9	
	1645 Nov 18 17:27	0° ∡ 7			1650 Aug 31 16:36	0° N	
conjunction	1645 Nov. 20, 21:24	8° ₰ 07'41	0.54.50		1650 Oct 19 19:55	0° ट 0° क्र	
conjunction minimum elong	1645 Nov 29 21:24 1645 Nov 29 20:13	8°×'07'41 8°×'05'30		retrograde	1650 Dec 14 04:19 1651 Feb 23 11:10	0° ± 2 21° £ 17'22	
minimum ciong	1645 Dec 29 06:22	0°る	J 2710	opposition	1651 Apr 02 15:02	21 = 1722 12° ⊆ 43'21	2°43'12
morning rise	1646 Jan 25 14:37	20° පි 54'14		greatest brilliancy	1651 Apr 03 05:05	12° ⊆ 29'56	-1.6m
C	1646 Feb 06 08:25	0°≈		min. Earth dist.	1651 Apr 08 08:20		0.61634 AU
	1646 Mar 16 17:45	0° ∀		direct	1651 May 13 19:21	2° ≏ 48'31	
	1646 Apr 24 07:02	0° Y		desc. node	1651 Jun 12 07:14	7° ≏ 44'46	

	1651 Jul 31 04:52	0° M		max. Earth dist.	1656 Aug 21 05:26	0° m 15'14	2.67494 AU
	1651 Sep 16 18:23	0°⊀					
	1651 Oct 28 11:04	0° ප		conjunction	1656 Aug 26 02:42	3° m 21'59	1°06'21
	1651 Dec 06 16:03	0°≈		minimum elong	1656 Aug 26 03:17	3° m 22'55	1°06'22
	1652 Jan 14 01:24	0° ∀			1656 Oct 06 15:10	0∘ ⊽	
	1652 Feb 21 19:50	$0^{\circ}\mathbf{\Upsilon}$		morning rise	1656 Oct 09 11:47	1° ≏ 50'59	
	1652 Apr 01 20:44	0°8			1656 Nov 21 12:20	0°M₊	
evening set	1652 Apr 10 23:28	6° 8 39'12			1657 Jan 05 07:50	0° ∡ ¹	
asc. node	1652 Apr 11 03:48	6° 8 47'04		desc. node	1657 Feb 01 04:48	18° ∡ 19'20	
	1652 May 13 17:38	Π $^{\circ}0$			1657 Feb 18 03:51	0°ප	
					1657 Apr 02 08:41	0° ≈	
conjunction	1652 Jun 07 07:34	16° Ⅱ 57'45			1657 May 15 20:43	0°) €	
minimum elong	1652 Jun 07 06:01	16° Ⅱ 55'07	0°33'41		1657 Jul 02 01:33	0° Υ	
m at the	1652 Jun 26 15:32	0°©	0.50550.444	retrograde	1657 Sep 03 19:48	22° Y 11'57	0.41650.477
max. Earth dist.	1652 Jul 03 22:41	4°951'34	2.58753 AU	min. Earth dist.	1657 Sep 30 13:55	17° Y 27'02	0.41650 AU
morning rise	1652 Jul 28 23:38	21°917'40		opposition	1657 Oct 07 23:39	15° ℃ 05'26	
	1652 Aug 11 10:55	$\Omega^{\circ}\Omega$		greatest brilliancy	1657 Oct 07 04:55	15° Y 20′27	-2./m
	1652 Sep 27 21:49	0° m		direct	1657 Nov 08 01:22	9° Υ 13'09	
	1652 Nov 16 03:11	0∘ 亚		asc. node	1657 Dec 02 00:46	12° Y 41'50	
	1653 Jan 07 20:13	0°M			1658 Jan 13 12:33	0°B	
. 1	1653 Mar 19 23:17	0° 🖈			1658 Mar 08 13:47	0°II	
retrograde	1653 Apr 11 11:58	2° × ⁷ 48'12			1658 Apr 27 13:17	0 ಂ Ω	
desc. node	1653 Apr 29 06:25	0° ∡ 749'07			1658 Jun 15 11:25		
	1653 May 02 16:02	30°RM	0051100		1658 Aug 02 13:32	0° m)	
opposition	1653 May 16 09:00	25°M43'05		evening set	1658 Aug 17 06:17	9° My 18'49	2 (2725 AII
greatest brilliancy	1653 May 16 15:26	25°M37'29		max. Earth dist.	1658 Sep 14 02:35	27° m 12'27	2.63725 AU
min. Earth dist.	1653 May 24 19:01	22°M47'16	0.50149 AU		1658 Sep 18 09:41	0∘ ⊽	
direct	1653 Jun 23 19:45	17° M .00'45 0° ∡ 7			1650 0-4 01 21.50	00 0 5 1100	0942129
	1653 Aug 10 15:09	0° X '		conjunction	1658 Oct 01 21:59	8° ♀ 51'00	0°42'28
	1653 Sep 30 05:44	0°≈		minimum elong	1658 Oct 01 23:08	8° ♀ 52'53 0°ጤ	0°42'28
	1653 Nov 11 06:41	0° ∺		mamina rica	1658 Nov 02 14:12		
	1653 Dec 21 06:11	0° Υ		morning rise	1658 Nov 16 16:57	9° ™ 37'15 0° <i>⊀</i> 7	
aca mada	1654 Jan 30 06:13 1654 Feb 27 02:01	0 γ 20° Υ 24'53		desc. node	1658 Dec 15 24:00 1658 Dec 20 03:56	0 x . 2° x 56'33	
asc. node	1654 Mar 12 09:31	0° 8		desc. node	1659 Jan 26 18:10	2° x '36'33	
	1654 Apr 24 05:36	0°II			1659 Mar 08 05:22	0°≈	
evening set	1654 Jun 01 00:39	25° Ⅱ 28'06			1659 Apr 16 23:25	0 ≈ 0° ∺	
evening set	1654 Jun 07 21:06	0°95			1659 May 26 23:11	0° Υ	
	1034 Juli 07 21.00	0 39			1659 Jul 07 20:49	0°8	
conjunction	1654 Jul 20 16:07	27° © 51'29	1°04'53		1659 Aug 25 01:08	0°II	
minimum elong	1654 Jul 20 15:16	27°950'08	1°04'53	asc. node	1659 Oct 19 22:42	19° Ⅱ 15'50	
minimum ciong	1654 Jul 24 00:03	0°Ω	1 0433	retrograde	1659 Oct 24 07:19	19° Ⅲ 23'53	
max. Earth dist.	1654 Jul 29 22:59	3° Ω 49'20	2.65833 AU	min. Earth dist.	1659 Nov 24 21:39	12° Ⅱ 35'47	0.54575 AU
morning rise	1654 Sep 04 20:13	27° Ω 20'27	2.03033110	opposition	1659 Dec 01 23:57	9° I I52'11	2°00'47
morning rise	1654 Sep 09 00:44	0° mp		greatest brilliancy	1659 Dec 01 10:18	10° Ⅱ 05'19	-1.9m
	1654 Oct 26 10:24	0∘ ರ ∘ .ಚ		direct	1660 Jan 06 16:33	1° I 52'58	1.7111
	1654 Dec 13 01:18	0°M			1660 Mar 30 19:49	0°95	
	1655 Jan 30 09:22	0° ∡ 7			1660 May 24 07:18	0°N	
desc. node	1655 Mar 17 05:12	27° ₹ 09'10			1660 Jul 13 11:27	0° m)	
	1655 Mar 22 06:43	0° る			1660 Aug 30 00:05	0∘ <u>⊽</u>	
	1655 May 27 21:54	0° ≈		evening set	1660 Sep 23 15:13	16° ≏ 11'34	
retrograde	1655 Jun 21 02:33	3° ≈ 23'40		max. Earth dist.	1660 Oct 11 01:45		2.54855 AU
, and the second	1655 Jul 15 02:45	30°Rる			1660 Oct 14 01:55	0° M	
opposition	1655 Jul 21 09:52	28° る 19'58	-6°23'08	desc. node	1660 Nov 06 02:50	15° M 58'11	
greatest brilliancy	1655 Jul 22 06:27	28° る 05'55					
min. Earth dist.	1655 Jul 25 08:52	27° る 15'16	0.38437 AU	conjunction	1660 Nov 11 02:32	19° M 29'09	-0°03'03
direct	1655 Aug 21 18:12	22° る 49'27		minimum elong	1660 Nov 11 02:22	19°ML28'51	0°03'04
	1655 Sep 24 18:00	0°≈		behind sun begin	1660 Nov 10 05:34	18°M52'08	
	1655 Nov 19 10:34	0°) €		behind sun end	1660 Nov 11 23:10	20°M05'37	
	1656 Jan 03 23:27	$0^{\circ}\Upsilon$			1660 Nov 25 20:23	0° ∡ ⊓	
asc. node	1656 Jan 15 01:26	7° Y 29'10		morning rise	1661 Jan 02 03:34	27° ∡ "22'52	
	1656 Feb 17 09:25	0°8		-	1661 Jan 05 15:27	ರ∘ರ	
	1656 Apr 02 10:41	$\Pi^{\circ}0$			1661 Feb 14 00:16	0° ≈	
	1656 May 18 14:04	0°€			1661 Mar 24 15:39	0° ∀	
	1656 Jul 04 13:59	$0^{\circ}\Omega$			1661 May 02 09:51	0° Y	
evening set	1656 Jul 10 23:31	4° Ω 03'37			1661 Jun 11 07:19	9° 8	
	1656 Aug 20 19:52	0° m			1661 Jul 23 15:52	Π °0	

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asc. node	1661 Sep 05 22:22	28° ∏ 08′08			1666 Nov 05 23:14	0°る	
	1661 Sep 09 03:32	0			1666 Dec 14 20:34	0° ≈	
retrograde	1661 Nov 30 16:02	29° © 51'27			1667 Jan 22 00:29	0° ∀	
min. Earth dist.	1662 Jan 06 07:05	21° © 17'35	0.64267 AU		1667 Mar 01 13:17	$0^{\circ}\mathbf{\Upsilon}$	
opposition	1662 Jan 09 18:45	19° © 53'54	4°10'09	evening set	1667 Mar 18 14:41	13° Y ′00′37	
greatest brilliancy	1662 Jan 09 05:30	20°507'10	-1.4m		1667 Apr 10 08:03	0°B	
direct	1662 Feb 17 18:16	10°9541'30		asc. node	1667 Apr 28 19:36	13° 8 30'10	
	1662 Apr 26 05:54	$0^{\circ}\Omega$					
	1662 Jun 22 03:16	0° m)		conjunction	1667 May 19 05:01	28° 8 03'46	0°12'47
		0° م		3	•		
	1662 Aug 10 15:53			minimum elong	1667 May 19 04:12	28° 8 02'21	0°12'48
desc. node	1662 Sep 24 01:19	29° Ω 10'49		behind sun begin	1667 May 18 13:39	27° 8 36'40	
	1662 Sep 25 06:12	0° ™		behind sun end	1667 May 19 18:46	28° 8 28'00	
	1662 Nov 06 21:03	0°⊀			1667 May 21 23:01	Π °0	
evening set	1662 Nov 07 20:35	0° ∡ ¹42'44		max. Earth dist.	1667 Jun 22 20:28	22° Ⅱ 01′20	2.54577 AU
max. Earth dist.	1662 Nov 24 21:53	13° ∡ 14'17	2.42264 AU		1667 Jul 04 16:35	0 \circ \odot	
	1662 Dec 17 04:58	5°0		morning rise	1667 Jul 13 10:43	5° © 50'11	
				-	1667 Aug 19 12:15	$0^{\circ}\Omega$	
conjunction	1663 Jan 03 12:43	13° る 16'48	-0°54'38		1667 Oct 06 09:15	0° m∕	
minimum elong	1663 Jan 03 10:31	13° る 12'34			1667 Nov 26 00:54	0∘ ⊽	
minimum ciong	1663 Jan 25 00:34	0°≈	0 5450		1668 Jan 23 05:38	0° m .	
	1663 Mar 04 04:03	0° ∀		ratra ara da		15°M27'07	
				retrograde	1668 Mar 21 22:08		00.5012.1
morning rise	1663 Mar 10 13:02	5°) €01'00		opposition	1668 Apr 27 07:56	7° M .41'15	0°50'31
	1663 Apr 11 12:36	0° Υ		greatest brilliancy	1668 Apr 27 14:30	7° M 35′15	-1.9m
	1663 May 20 23:22	8° 0		min. Earth dist.	1668 May 05 00:11	4°M52'51	0.55177 AU
	1663 Jul 01 08:43	Π $^{\circ}0$		desc. node	1668 May 15 21:44	1°M20'52	
asc. node	1663 Jul 24 22:16	16° Ⅱ 15'27			1668 May 21 09:24	30° ₹ Ω	
	1663 Aug 14 15:41	0 \circ \mathfrak{S}		direct	1668 Jun 06 06:44	28° ₽ 17'40	
	1663 Oct 02 18:18	$0^{\circ}\Omega$			1668 Jun 22 14:46	0° M	
	1663 Dec 08 03:30	0° m)			1668 Aug 28 08:47	0° ∡ ¹	
retrograde	1664 Jan 04 05:00	4° Mp 05'10			1668 Oct 11 22:33	0°ਰ	
retrograde	1664 Jan 29 06:42	30°RΩ			1668 Nov 21 07:01	0° ≈	
			4920155			0 ∞ 0° ∺	
opposition	1664 Feb 13 07:22	24°Ω26'04			1668 Dec 30 09:15		
greatest brilliancy	1664 Feb 13 08:04	24° Ω 25'22			1669 Feb 07 17:30	0° Υ	
min. Earth dist.	1664 Feb 13 17:01	24° Ω 16′28	0.67755 AU	asc. node	1669 Mar 15 18:44	26° Y ′42'56	
direct	1664 Mar 25 05:31	14° Ω 35′09			1669 Mar 20 07:18	9° 8	
	1664 May 22 18:41	0° m)			1669 May 01 15:53	$\Pi^{\circ}0$	
	1664 Jul 18 17:21	0∘ ⊽		evening set	1669 May 13 19:24	8° Ⅲ 21′30	
desc. node	1664 Aug 11 00:03	14° ≏ 15'22			1669 Jun 14 22:28	0°©	
	1664 Sep 04 05:32	0°M					
	1664 Oct 17 08:03	0° ⊼ 7		conjunction	1669 Jul 04 21:01	13° © 08'27	0°56'36
	1664 Nov 26 15:06	°ੇਂਤ		minimum elong	1669 Jul 04 19:40	13°906'14	0°56'36
	1665 Jan 04 05:58	0° ≈		max. Earth dist.			2.63708 AU
. ,				max. Earth dist.	1669 Jul 20 13:21	23°S20'38	2.03/08 AU
evening set	1665 Jan 06 10:51	1°≈44'02			1669 Jul 30 20:44	0°Ω	
	1665 Feb 11 05:17	0° ∀		morning rise	1669 Aug 21 16:05	13° Ω 57'46	
					1669 Sep 15 23:09	0° ™	
conjunction	1665 Mar 15 02:59	25°) €02'43			1669 Nov 02 20:47	0∘ ⊽	
minimum elong	1665 Mar 15 06:10	25°) €08'55	0°50'59		1669 Dec 21 18:44	0° M	
	1665 Mar 21 12:09	0 ° Υ			1670 Feb 11 07:06	0° ∡ 7	
	1665 Apr 29 23:10	0° ႘		desc. node	1670 Apr 02 21:35	25° х 03′45	
max. Earth dist.	1665 May 05 19:08	4° 8 19'40	2.41381 AU		1670 Apr 16 00:53	0° ろ	
morning rise	1665 May 21 22:13	16° 8 08'31		retrograde	1670 May 21 02:30	6° る 32'55	
asc. node	1665 Jun 10 20:29	0° Ⅱ 24'37		opposition	1670 Jun 22 03:24	0° ප 46'14	-4°20'29
	1665 Jun 10 06:34	0°II		greatest brilliancy	1670 Jun 23 05:33	0° る 26'16	
	1665 Jul 23 22:02	0ಂ ತಾ		greatest oriniancy		30°R. ₹	2.011
				· F 4 F 4	1670 Jun 24 15:50		0.42157.411
	1665 Sep 08 08:46	0° N		min. Earth dist.	1670 Jun 29 11:44	28° ∡ ³32'29	0.42157 AU
	1665 Oct 28 22:18	0° m y		direct	1670 Jul 26 13:29	23° ∡ 754'43	
	1665 Dec 31 05:43	0∘ ⊽			1670 Aug 26 10:48	0°ප	
retrograde	1666 Feb 08 01:28	7° £ 36'55			1670 Oct 21 03:45	0° ≈	
	1666 Mar 15 12:48	30°R Mp			1670 Dec 03 22:03	0° ℋ	
opposition	1666 Mar 19 00:16	28° Mp 39'35	3°30'41		1671 Jan 15 00:30	0 ° Υ	
greatest brilliancy	1666 Mar 19 13:04	28° m 27'08	-1.4m	asc. node	1671 Jan 31 16:38	11° Y '49'44	
min. Earth dist.	1666 Mar 23 06:48	26° m 59'57	0.64628 AU		1671 Feb 26 14:45	0°8	
direct	1666 Apr 29 11:12	18° mp 38'12			1671 Apr 11 12:45	0°II	
	1666 Jun 16 02:26	0∘ ⊽			1671 May 26 22:27	0.ee	
desc. node	1666 Jun 28 22:42	o — 5° ≏ 45'28		evening set	1671 Jun 26 19:36	19° 9 57'17	
Good, House	1666 Aug 11 16:59	0°M		oroning set	1671 Jul 12 12:02	0°Ω	
	•	0°11℃ 0° √ 7			10/1 Jul 12 12.02	0 06	
	1666 Sep 25 23:23	υ χ .					

conjunction	1671 Aug 12 21:47	20° Ω 00'59	1°08'59	asc. node	1676 Sep 22 14:43	29° Ⅱ 40'46	
minimum elong	1671 Aug 12 21:52		1°08'59		1676 Sep 23 06:32	0 \circ \odot	
max. Earth dist.	1671 Aug 13 06:15	20° Ω 14'27	2.67499 AU	retrograde	1676 Nov 16 13:06	15° © 25'34	
	1671 Aug 28 14:17	O° Mp		min. Earth dist.	1676 Dec 21 08:02	7°9528'44	0.61152 AU
morning rise	1671 Sep 26 14:27	18° m 30′04		opposition	1676 Dec 26 07:15	5° © 30'20	3°36'14
	1671 Oct 14 13:07	0∘ ⊽		greatest brilliancy	1676 Dec 25 14:56	5°5546'34	-1.6m
	1671 Nov 29 22:44	0°M			1677 Jan 10 16:36	30°RⅡ	
	1672 Jan 14 17:46	0° 🗖		direct	1677 Feb 02 03:41	26° Ⅱ 41'25	
desc. node	1672 Feb 18 20:32	23° ∡ 10'35			1677 Feb 26 14:10	0° ©	
	1672 Feb 29 04:28 1672 Apr 15 01:24	0°る 0°≈			1677 May 08 10:21 1677 Jun 30 13:32	0° N 0° m	
	1672 Apr 13 01.24 1672 Jun 03 07:22	0 ≈ 0° ∀			1677 Aug 18 01:59	0∘ ऌ ० औ	
retrograde	1672 Aug 08 12:37	22° H 35'24			1677 Oct 02 09:48	0° m	
min. Earth dist.	1672 Sep 04 14:41	18°) 08'23	0.38121 AU	desc. node	1677 Oct 10 17:07	5°M42'26	
opposition	1672 Sep 08 22:58	16°) 55'46		evening set	1677 Oct 19 22:44	12°M07'44	
greatest brilliancy	1672 Sep 08 06:24	17°) (07'20		max. Earth dist.	1677 Nov 03 06:55	22°M15'59	2.47407 AU
direct	1672 Oct 08 12:57	11°) 52′23			1677 Nov 14 01:15	0° ∡ 7	
	1672 Dec 07 08:55	$0^{\circ}\Upsilon$					
asc. node	1672 Dec 18 16:11	5° Υ 53'04		conjunction	1677 Dec 11 13:50	20° ∡ 14'59	-0°36'23
	1673 Jan 29 07:48	9° 8		minimum elong	1677 Dec 11 12:04	20° х 11′40	0°36'21
	1673 Mar 18 19:56	$\Pi^{\circ}0$			1677 Dec 24 12:50	0°ರ	
	1673 May 05 18:34	0 \circ \odot			1678 Feb 01 12:38	0° ≈	
	1673 Jun 22 17:57	$0^{\circ}\Omega$		morning rise	1678 Feb 09 10:33	6° ≈ 10'31	
evening set	1673 Aug 02 22:20	25° Ω 53′25		greatest brilliancy	1678 Mar 07 20:33	26° ≈ 53'25	1.2m
	1673 Aug 09 10:06	0° ™			1678 Mar 11 19:38	0° ∀	
max. Earth dist.	1673 Sep 04 17:22	16°Mp46'41	2.65833 AU		1678 Apr 19 06:29	0° Υ	
					1678 May 28 19:06	0° 8	
conjunction	1673 Sep 17 10:13	24° m 57'59	0°54'31		1678 Jul 09 09:02	0°II	
minimum elong	1673 Sep 17 11:19	24° m 59'45	0°54'31	asc. node	1678 Aug 10 13:36	21° Ⅱ 47'00	
	1673 Sep 25 04:30	0° ⊡			1678 Aug 23 07:56	0°9	
morning rise	1673 Nov 01 05:25	24° Ω 24'01		ratra arada	1678 Oct 14 05:35	0°Ω	
	1673 Nov 09 13:57 1673 Dec 23 10:18	0° M 0° <i>₹</i>		retrograde min. Earth dist.	1678 Dec 21 21:33 1679 Jan 30 00:27	21° Ω 17'53 11° Ω 55'20	0.67173 AU
desc. node	1674 Jan 05 19:05	9° ∡ ¹21'25		opposition	1679 Jan 31 03:16	11° Ω 28'32	4°32'53
desc. node	1674 Feb 03 19:34	9×2123		greatest brilliancy	1679 Jan 30 22:06	11° Ω 33'41	-1.3m
	1674 Mar 17 00:53	0° ≈		direct	1679 Mar 12 10:46	1° Ω 49'27	1.5111
	1674 Apr 26 15:58	0°) €		univer	1679 Jun 05 19:37	0° mp	
	1674 Jun 06 20:31	0°Υ			1679 Jul 28 11:14	0∘ ⊽	
	1674 Jul 21 09:19	0°8		desc. node	1679 Aug 28 15:30	19° ≏ 47'38	
	1674 Oct 03 09:26	$\Pi^{\circ}0$			1679 Sep 12 23:38	0°M	
retrograde	1674 Oct 06 17:43	0°Ⅲ04′52			1679 Oct 25 19:45	0° ∡ ¹	
	1674 Oct 10 01:31	30° ₹ 8			1679 Dec 05 02:19	0°ರ	
min. Earth dist.	1674 Nov 05 03:28	24° 8 07'23	0.49480 AU	evening set	1679 Dec 12 12:16	5° る 40'46	
asc. node	1674 Nov 05 16:13	23° 8 55'57			1680 Jan 12 18:20	0°≈	
opposition	1674 Nov 13 04:17	21° 8 10'34					
greatest brilliancy	1674 Nov 13 01:05	21° 8 13'31	-2.2m	conjunction	1680 Feb 14 20:50	26°≈07'34	
direct	1674 Dec 17 03:15	13° 8 54'43		minimum elong	1680 Feb 14 21:55		1°03'59
	1675 Feb 13 12:32	0° ∏		Fth Ji-t	1680 Feb 19 18:33	0°) (2 27102 ATT
	1675 Apr 12 04:10	0.ಲ		max. Earth dist.	1680 Mar 04 00:27	10°π26'34 0°Υ	2.37192 AU
	1675 Jun 02 14:53 1675 Jul 21 18:13	0° Ω 0° m		morning rise	1680 Mar 29 01:09 1680 Apr 25 12:09	0°γ 21° Υ 01'56	
	1675 Sep 06 22:28	0∘ ত رااا		morning rise	1680 May 07 10:43	0° 8	
evening set	1675 Sep 00 22.28 1675 Sep 09 06:46	0 == 1° £ 31'35			1680 Jun 17 16:56	0°II	
max. Earth dist.	1675 Sep 30 07:09	15° £ 22'10	2.58886 AU	asc. node	1680 Jun 27 13:26	6° П 55'35	
	1675 Oct 22 00:20	0°M			1680 Jul 31 10:40	0 . ತಾ	
					1680 Sep 16 11:52	0°N	
conjunction	1675 Oct 26 04:20	2°M50'50	0°16'46		1680 Nov 08 13:31	0° m p	
minimum elong	1675 Oct 26 04:57	2°M51'55	0°16'45	retrograde	1681 Jan 24 15:25	24° m 32'44	
desc. node	1675 Nov 23 18:19	22°M44'09		opposition	1681 Mar 05 04:33	15°M) 16'14	4°03'46
	1675 Dec 03 23:39	0°⊀		greatest brilliancy	1681 Mar 05 13:39	15°№07'17	-1.3m
morning rise	1675 Dec 13 23:43	7° ∡ 11'10		min. Earth dist.	1681 Mar 07 23:09	14° m 10'43	0.66650 AU
	1676 Jan 14 02:16	0°⋜		direct	1681 Apr 15 15:09	5° mp 14'54	
	1676 Feb 22 19:24	0° ≈			1681 Jul 01 08:52	0° ⊽	
	1676 Apr 01 18:43	0°) €		desc. node	1681 Jul 15 15:07	7° £ 45'19	
	1676 May 10 20:35	0°Υ			1681 Aug 21 07:53	0°M.	
	1676 Jun 20 04:30	0°B 0°B			1681 Oct 04 09:44	0°る 2°0	
	1676 Aug 02 13:46	υщ			1681 Nov 14 00:08	v O	

	1681 Dec 22 17:15	0° ≈		max. Earth dist.	1686 Aug 04 09:11	10°Ω15'05	2.66655 AU
greatest brilliancy	1682 Jan 21 15:17	23° ≈ 35'48	1.2m	man. Barar alov.	1686 Sep 04 09:22	0° m	2.00000 110
8	1682 Jan 29 18:05	0°) €		morning rise	1686 Sep 12 19:54	5° m) 21'47	
evening set	1682 Feb 19 13:07	16°) 19'54			1686 Oct 21 14:17	0∘ <u>⊽</u>	
C	1682 Mar 09 03:23	$_0$ ° $\boldsymbol{\gamma}$			1686 Dec 07 16:54	0° M	
	1682 Apr 17 17:52	$0^{\circ}B$			1687 Jan 23 21:48	0° ∡ 7	
	•			desc. node	1687 Mar 07 11:56	26° х 35′09	
conjunction	1682 Apr 26 07:31	6° 8 19'26	-0°12'18		1687 Mar 13 02:02	0°ಕ	
minimum elong	1682 Apr 26 08:27	6° 8 21'09	0°12'18		1687 May 04 12:19	0° ≈	
behind sun begin	1682 Apr 25 15:23	5° 8 49'48		retrograde	1687 Jul 09 09:17	20° ≈ 54'27	
behind sun end	1682 Apr 27 01:32	6° 8 52'29		opposition	1687 Aug 08 12:59	15° ≈ 56′29	-6°51'56
asc. node	1682 May 15 11:17	20° 8 14'09		greatest brilliancy	1687 Aug 08 20:21	15° ≈ 51'36	-2.9m
	1682 May 29 04:33	Π $^{\circ}0$		min. Earth dist.	1687 Aug 09 12:41	15° ≈ 40'44	0.37434 AU
max. Earth dist.	1682 Jun 08 09:36	7° Ⅱ 09'50	2.49726 AU	direct	1687 Sep 07 15:25	10° ≈ 54'12	
morning rise	1682 Jun 25 02:47	18° Ⅱ 42'02			1687 Nov 06 15:20	0° ∀	
	1682 Jul 11 19:26	0ංම			1687 Dec 26 20:50	$0^{\circ}\mathbf{\Upsilon}$	
	1682 Aug 26 17:41	0 \circ Ω		asc. node	1688 Jan 05 09:00	6° Ƴ 06′18	
	1682 Oct 14 06:26	O° m y			1688 Feb 10 23:53	9° 8	
	1682 Dec 06 06:52	0° ⊽			1688 Mar 27 22:29	Π $^{\circ}0$	
retrograde	1683 Mar 04 20:43	29° ≙ 57'45			1688 May 13 13:52	0°€	
opposition	1683 Apr 11 11:41	21° ≙ 38'55	2°07'40		1688 Jun 29 20:38	$0^{\circ}\Omega$	
greatest brilliancy	1683 Apr 12 00:35	21° ≏ 26'44	-1.7m	evening set	1688 Jul 19 10:35	12° Ω 22'57	
min. Earth dist.	1683 Apr 17 23:12	19° ≙ 12'09	0.59591 AU		1688 Aug 16 05:28	0° m)	
direct	1683 May 22 08:42	11° ≙ 51'22		max. Earth dist.	1688 Aug 26 12:48	6° Mg 33′50	2.67131 AU
desc. node	1683 Jun 02 14:09	12° ≏ 39'11					
	1683 Jul 22 02:05	0°M₊		conjunction	1688 Sep 03 05:32	11° m)28'51	1°03'02
	1683 Sep 10 09:14	0°⊀		minimum elong	1688 Sep 03 06:21	11° m 30'09	1°03'03
	1683 Oct 22 19:33	0°ಕ			1688 Oct 02 00:07	0∘ ಹ	
	1683 Dec 01 07:51	0° ≈		morning rise	1688 Oct 17 14:57	10° ≏ 09'44	
	1684 Jan 08 21:35	0° ∀			1688 Nov 16 16:56	0° M	
	1684 Feb 16 19:22	0° Y			1688 Dec 31 03:21	0° ∡ ¹	
	1684 Mar 27 23:15	0° 8		desc. node	1689 Jan 22 10:54	15° ∡ 23'09	
asc. node	1684 Apr 01 09:58	3° 8 14'38			1689 Feb 12 09:13	0° ප	
evening set	1684 Apr 23 14:27	19° 8 11'40			1689 Mar 26 17:02	0° ≈	
	1684 May 08 22:59	Π °0			1689 May 07 19:27	0° ∀	
	1604 1 17 20 05	270T15110	00.4212.5		1689 Jun 20 13:45	0° Υ	
conjunction	1684 Jun 17 20:05	27° I 15'10			1689 Aug 13 23:00	0° 8	
minimum elong	1684 Jun 17 18:28	27° I 12'28	0°43'33	retrograde	1689 Sep 16 15:41	7° 8 21'41	0.44071.441
T d T d	1684 Jun 21 22:42	0.20	2 (0754 ATT	min. Earth dist.	1689 Oct 14 03:09	_	0.44271 AU
max. Earth dist.	1684 Jul 10 08:02	12° © 10'22 0° Ω 05'22	2.60754 AU		1689 Oct 20 17:42 1689 Oct 22 05:23	30° ₹Ƴ 29° Ƴ 29'36	194920
morning rise	1684 Aug 06 21:27			opposition		29 1 29 36 29° Y 39'47	
	1684 Aug 06 18:08 1684 Sep 23 00:37	0° Ω 0° m		greatest brilliancy	1689 Oct 21 17:25 1689 Nov 22 07:37	29° Y 39'47 23° Y 06'33	-2.5m
	1684 Nov 10 15:40	0∘ ত رااا		asc. node direct	1689 Nov 23 06:13	23°\bar{0}06'12	
	1684 Dec 31 13:40	0° M		direct	1689 Dec 28 10:27	0° 8	
	1685 Feb 28 01:38	0° ⊼ ¹			1690 Feb 28 23:53	0°II	
desc. node	1685 Apr 19 12:35	14° × 706'58			1690 Apr 21 18:37	0°©	
retrograde	1685 Apr 24 15:34	14° × 16'30			1690 Jun 10 10:19	$0 {\circ} {\mathfrak O}$	
opposition	1685 May 28 12:47	7° ∡ ³37′26	-2°01'31		1690 Jul 28 20:18	0° m)	
greatest brilliancy	1685 May 29 03:40	7° ∡ 124'55		evening set	1690 Aug 25 13:29	17° m) 34'51	
min. Earth dist.	1685 Jun 05 22:51		0.47240 AU	0.08 000	1690 Sep 13 19:02	0∘ ಹ	
	1685 Jun 26 01:35	30°RM		max. Earth dist.	1690 Sep 19 21:11		2.62199 AU
direct	1685 Jul 04 18:46	29°M27'48					
	1685 Jul 13 14:07	0° ∡ ¹		conjunction	1690 Oct 10 12:23	17° ≏ 36'06	0°33'53
	1685 Sep 21 06:52	5°0		minimum elong	1690 Oct 10 13:26	17° ≏ 37'51	
	1685 Nov 04 07:30	0° ≈		Č	1690 Oct 28 22:44	0° M	
	1685 Dec 15 03:14	0° ∀		morning rise	1690 Nov 26 03:40	19°M25'01	
	1686 Jan 24 15:49	$0^{\circ}\mathbf{\Upsilon}$		desc. node	1690 Dec 10 09:27	29°M25'47	
asc. node	1686 Feb 17 09:58	17° Ƴ 17'34			1690 Dec 11 04:46	0° ∡ ¹	
	1686 Mar 07 04:03	8° 0			1691 Jan 21 17:22	8°0	
	1686 Apr 19 07:00	$\Pi^{\circ}0$			1691 Mar 02 21:38	0° ≈	
	1686 Jun 03 03:12	0ංම			1691 Apr 11 08:06	0°) €	
evening set	1686 Jun 10 17:55	4° © 59'34			1691 May 20 21:58	0° Υ	
	1686 Jul 19 08:53	$0^{\circ}\Omega$			1691 Jul 01 00:34	0° 8	
					1691 Aug 15 13:00	$\Pi^{\circ}0$	
conjunction	1686 Jul 29 07:51	6° Ω 22'52	1°07'37	asc. node	1691 Oct 10 07:02	26° Ⅱ 11'37	
minimum elong	1686 Jul 29 07:21	6° Ω 22'04	1°07'37	retrograde	1691 Nov 02 12:02	29° Ⅱ 38'41	

min. Earth dist.	1691 Dec 05 06:26	22°T74'34	0.57124 AU		1696 Nov 21 18:28	ರ∘ರ	
opposition	1691 Dec 11 15:35	19° ∏ 55'04	2°42'52		1696 Dec 30 10:08	0°≈	
	1691 Dec 10 23:25	19 Ⅱ 33 04 20° Ⅱ 10'52		ovening set	1697 Jan 22 01:18	0 ∞ 17°≈51'48	
greatest brilliancy		20 П 10 32 11° П 36'01	-1.8111	evening set		17 ≈3148 0°) {	
direct	1692 Jan 17 03:58				1697 Feb 06 09:41		
	1692 Mar 21 20:04	0° ©			1697 Mar 16 16:45	0 ° Υ	
	1692 May 18 09:03	0° Ω			160736 21 01 51	1100000150	0020122
	1692 Jul 08 10:04	0° m)		conjunction	1697 Mar 31 01:51	11° Υ 03'59	
	1692 Aug 25 06:29	0∘ ⊽		minimum elong	1697 Mar 31 04:47	11° Y ′09'34	0°38'19
evening set	1692 Oct 02 19:35	25° Ω 29'22			1697 Apr 25 03:51	0° 8	
	1692 Oct 09 10:40	0° M		max. Earth dist.	1697 May 20 13:40		2.44340 AU
max. Earth dist.	1692 Oct 18 15:27	6° ™ 19'28	2.52316 AU	asc. node	1697 Jun 01 03:50	26° 8 56'53	
desc. node	1692 Oct 27 09:07	12°M23'49		morning rise	1697 Jun 04 04:55	29° 8 06'39	
					1697 Jun 05 11:02	Π °0	
conjunction	1692 Nov 21 12:34	0° ≯ 15'08			1697 Jul 19 00:35	0ಂತಾ	
minimum elong	1692 Nov 21 11:51	0° ∡ 13'50	0°15'13		1697 Sep 03 04:23	$0 {\circ} \Omega$	
behind sun begin	1692 Nov 21 04:03	29° M 59'48			1697 Oct 22 18:08	0° m ∕	
behind sun end	1692 Nov 21 19:38	0° ∡ ′27'52			1697 Dec 19 06:56	0∘ ⊽	
	1692 Nov 21 04:10	0° ∡ 7		retrograde	1698 Feb 16 17:23	15° ≙ 49'10	
	1692 Dec 31 20:39	0°₹		opposition	1698 Mar 27 06:25	7° ≙ 04'14	3°04'44
morning rise	1693 Jan 14 23:32	10° る 41'57		greatest brilliancy	1698 Mar 27 20:14	6° ♀ 50'54	-1.5m
	1693 Feb 09 02:02	0° ≈		min. Earth dist.	1698 Apr 01 08:36	5° ഫ 06'29	0.63094 AU
	1693 Mar 19 14:03	0° ∀			1698 Apr 16 10:52	30°R, Mp	
	1693 Apr 27 05:01	0° Y		direct	1698 May 07 14:44	27° m 05'18	
	1693 Jun 05 21:55	0° ႘			1698 May 29 23:34	0∘ ⊽	
	1693 Jul 17 20:55	$\Pi^{\circ}0$		desc. node	1698 Jun 19 05:11	6° ≙ 34'23	
asc. node	1693 Aug 27 05:54	26° Ⅲ 27'15			1698 Aug 04 17:31	0° M	
	1693 Sep 02 01:08	0 \circ \mathfrak{S}			1698 Sep 20 05:34	0° ∡ ¹	
	1693 Oct 30 21:27	$0^{\circ}\Omega$			1698 Oct 31 15:30	0°ප	
retrograde	1693 Dec 08 12:26	8° N 08'05			1698 Dec 09 17:15	0° ≈	
C	1694 Jan 13 05:08	30° №			1699 Jan 16 23:57	0° ∀	
min. Earth dist.	1694 Jan 15 01:46	29° © 15'36	0.65586 AU		1699 Feb 24 15:12	$_0$ ° Υ	
opposition	1694 Jan 17 16:59	28°5512'16	4°22'30	evening set	1699 Apr 01 17:42	27° Ƴ 13'02	
greatest brilliancy	1694 Jan 17 06:21	28°\$22'56	-1.4m	C	1699 Apr 05 12:08	0°8	
direct	1694 Feb 26 04:50	18° © 49'09		asc. node	1699 Apr 19 03:11	9° 8 57'42	
	1694 Apr 15 21:41	$0^{\circ}\Omega$			1699 May 17 05:03	0°П	
	1694 Jun 16 02:16	0° m)				-	
				conjunction	1699 May 30 22:20	9°∏33'34	0°25'24
desc. node	1694 Aug 05 13:01	0∘ ⊽		conjunction	1699 May 30 22:20 1699 May 30 20:59	9° Ⅲ 33'34 9° Ⅲ 31'15	
desc. node	1694 Aug 05 13:01 1694 Sep 14 08:01	0° <u>ჲ</u> 25° ჲ 51'36		conjunction minimum elong	1699 May 30 20:59	9° Ⅱ 31'15	0°25'24 0°25'24
desc. node	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00	0° Ω 25° Ω 51'36 0° M		minimum elong	1699 May 30 20:59 1699 Jun 29 23:29	9°∏31'15 0°©	0°25'24
	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01	0° <u>Ω</u> 25° <u>Ω</u> 51'36 0° M 0° X '		minimum elong max. Earth dist.	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06	9°∏31'15 0°© 29°∏59'21	
desc. node	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56	0° <u>Ω</u> 25° <u>Ω</u> 51'36 0° M. 0° X 12° X 44'32		minimum elong	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54	9° II 31'15 0°© 29° II 59'21 15°©17'58	0°25'24
evening set	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45	0° <u>Ω</u> 25° <u>Ω</u> 51'36 0° M 0° 🖈 12° 🖈 44'32 0° చె	2 39603 AU	minimum elong max. Earth dist.	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38	9°∏31'15 0°© 29°∏59'21 15°©17'58 0°Ω	0°25'24
	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56	0° <u>Ω</u> 25° <u>Ω</u> 51'36 0° M 0° 🖈 12° 🖈 44'32 0° చె	2.39603 AU	minimum elong max. Earth dist.	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16	9°∏31'15 0°© 29°∏59'21 15°©17'58 0°∏ 0°™	0°25'24
evening set max. Earth dist.	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42	0° Ω 25° Ω 51'36 0° M 0° ⊀ 12° ₹ 44'32 0° ♂ 0° ♂ 18'57		minimum elong max. Earth dist.	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27	9° \$\Pi 31'15 0° \$\Pi \) 29° \$\Pi 59'21 15° \$\Pi 17'58 0° \$\Pi \) 0° \$\Pi \) 0° \$\Pi \)	0°25'24
evening set max. Earth dist. conjunction	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42	0°亞 25°亞51'36 0°肌 0°ズ 12°ズ44'32 0°♂ 18'57 28°♂10'46	-1°01'41	minimum elong max. Earth dist. morning rise	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40	9° \$\Pi 31'15 0° \$\Pi \) 29° \$\Pi 59'21 15° \$\Pi 17'58 0° \$\Pi \) 0° \$\Pi \) 0° \$\Pi \) 0° \$\Pi \)	0°25'24
evening set max. Earth dist.	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32	0°亞 25°亞51'36 0°肌 0°ズ 12°ズ44'32 0°℧ 0°℧18'57 28°℧10'46 28°℧07'37	-1°01'41	minimum elong max. Earth dist. morning rise retrograde	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36	9° \$\Pi 31'15 0° \$\Pi \) 29° \$\Pi 59'21 15° \$\Pi 17'58 0° \$\Pi \) 0° \$\Pi \) 0° \$\Pi \) 0° \$\Pi \) 25° \$\Pi 29'26	0°25'24
evening set max. Earth dist. conjunction	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54	0° ණ 25° ණ 51'36 0° m 0° % 12° % 44'32 0° ජ 0° ජ 18'57 28° ජ 10'46 28° ජ 07'37 0° ≈	-1°01'41	minimum elong max. Earth dist. morning rise retrograde desc. node	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19	9° \$\Pi 31'15 0° \$\Pi 29° \$\Pi 59'21 15° \$\Pi 17'58 0° \$\Omega\$ 0° \$\Pi\$ 0° \$\Pi\$ 25° \$\Pi 29'26 18° \$\Pi 39'46	0°25′24 2.56971 AU
evening set max. Earth dist. conjunction minimum elong	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54 1695 Feb 27 07:45	0° ණ 25° ණ 51'36 0° M 0° ౘ 12° ౘ 44'32 0° ౘ 0° ౘ 18'57 28° ౘ 10'46 28° ౘ 07'37 0° ≋ 0° ዧ	-1°01'41	minimum elong max. Earth dist. morning rise retrograde desc. node opposition	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36	9° \$\Pi 31'15 0° \$\Pi 29° \$\Pi 59'21 15° \$\Pi 17'58 0° \$\Omega\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 25° \$\Pi 29'26 18° \$\Pi 39'46 18° \$\Pi 04'55	0°25'24 2.56971 AU -0°04'42
evening set max. Earth dist. conjunction	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41	0°亞 25°亞51'36 0°肌 0°ズ 12°ズ44'32 0°℧ 0°℧18'57 28°℧10'46 28°℧07'37 0°≈ 0°升 22°┼22'44	-1°01'41	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02	9° II 31'15 0° II 59'21 15° II 7'58 0° II 0° II 0° II 0° II 25° II 29'26 18° II 39'46 18° II 04'55 19° II 43'52	0°25'24 2.56971 AU -0°04'42 1.8m
evening set max. Earth dist. conjunction minimum elong	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52	0° £ 25° £51'36 0° M. 0° ₹ 12° ₹44'32 0° ₹ 0° ₹18'57 28° ₹307'37 0° ≈ 0° ¥ 22° ¥22'44 0° ♀	-1°01'41	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist.	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07	9° II 31'15 0° II 59'21 15° II 7'58 0° II 0° II 0° II 0° II 25° II 29'26 18° II 39'46 18° II 04'55 19° II 10'17	0°25'24 2.56971 AU -0°04'42
evening set max. Earth dist. conjunction minimum elong	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02	0°亞 25°亞51'36 0°肌 0°ズ 12°ズ44'32 0°云 0°云18'57 28°云10'46 28°云07'37 0°≈ 0°升 22°升22'44 0°Ƴ 0°엉	-1°01'41	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17	9° II 31'15 0° II 59'21 15° II 7'58 0° II 0° II 0° II 0° II 25° II 29'26 18° II 39'46 18° II 04'55 19° II 04'55 19° II 10'17 9° II 10'14	0°25'24 2.56971 AU -0°04'42 1.8m
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evening set max. Earth dist. conjunction minimum elong morning rise	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17	0°亞 25°亞51'36 0°肌 0°ズ 12°ズ44'32 0°云 0°云18'57 28°云10'46 28°云07'37 0°≈ 0°ዢ 22°沃22'44 0°Ƴ 0°田 13°瓜09'10 0°孚	-1°01'41	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist.	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45	9° \$\Pi\$31'15 0° \$\sigma\$29° \$\Pi\$59'21 15° \$\Sigma\$17'58 0° \$\Omega\$0° \$\mathbf{m}\$0° \$\Sigma\$0° \$\mathbf{m}\$04'55 19° \$\mathbf{m}\$43'52 15° \$\mathbf{m}\$10'17 9° \$\mathbf{m}\$01'14 0° \$\struct '' 0° \$\Sigma\$0° \$\sigma\$0° \$\sigma\$0° \$\sigma\$0	0°25'24 2.56971 AU -0°04'42 1.8m
evening set max. Earth dist. conjunction minimum elong morning rise	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05	0°亞 25°亞51'36 0°肌 0°ズ 12°ズ44'32 0°♂ 0°♂18'57 28°♂10'46 28°♂07'37 0°≈ 0°升 22°升22'44 0°Υ 0°႘ 0°Ⅱ 13°Ⅲ09'10 0°⑤ 0°凡	-1°01'41	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist.	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18	9° \$\Pi\$31'15 0° \$\Sigma\$29° \$\Pi\$59'21 15° \$\Sigma\$17'58 0° \$\Omega\$0° \$\mathbb{n}\$ 0° \$\mathbb{n}\$ 0° \$\mathbb{n}\$ 25° \$\mathbb{n}\$29'26 18° \$\mathbb{n}\$29'26 18° \$\mathbb{n}\$43'52 15° \$\mathbb{n}\$10'17 9° \$\mathbb{n}\$01'14 0° \$\star*\$ 0° \$\Sigma\$0° \$\Sigma\$	0°25'24 2.56971 AU -0°04'42 1.8m
evening set max. Earth dist. conjunction minimum elong morning rise asc. node	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27	0°亞 25°亞51'36 0°肌 0°ズ 12°ズ44'32 0°♂ 0°♂18'57 28°♂10'46 28°♂07'37 0°≈ 0°升 22°升22'44 0°℃ 0°別 13°用09'10 0°© 0°別	-1°01'41	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59	9° \$\Pi\$31'15 0° \$\Sigma\$29° \$\Pi\$59'21 15° \$\Sigma\$17'58 0° \$\Omega\$0° \$\mathbb{n}\$ 0° \$\mathbb{n}\$ 0° \$\mathbb{n}\$ 25° \$\mathbb{n}\$29'26 18° \$\mathbb{n}\$39'46 18° \$\mathbb{n}\$04'55 19° \$\mathbb{n}\$43'52 15° \$\mathbb{n}\$10'17 9° \$\mathbb{n}\$01'14 0° \$\nall\$7 0° \$n\$	0°25'24 2.56971 AU -0°04'42 1.8m
evening set max. Earth dist. conjunction minimum elong morning rise asc. node	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33	0° £ 25° £51'36 0° M. 0° ♂ 12° ♂44'32 0° ♂ 0° ♂ 18'57 28° ♂ 10'46 28° ♂ 07'37 0° ≈ 0° 升 22° 升 22'44 0° Ŷ 0° ♂ 0° Ⅱ 13° Ⅲ 09'10 0° ♂ 0° ⋒ 11° ⋒ 50'15	-1°01'41 1°01'41	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist.	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33	9° II 31'15 0° © 29° II 59'21 15° © 17'58 0° Ω 0° II 0° II 25° II 29'26 18° II 39'46 18° II 04'55 19° II 10'17 9° II 10'17 9° II 10'17 9° II 0' II 0°	0°25'24 2.56971 AU -0°04'42 1.8m
evening set max. Earth dist. conjunction minimum elong morning rise asc. node retrograde opposition	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33 1696 Feb 20 21:14	0° £ 25° £51'36 0° M. 0° ₹ 12° ₹44'32 0° ₹ 0° ₹18'57 28° ₹310'46 28° ₹307'37 0° ≈ 0° ¥ 22° ¥22'44 0° Ŷ 0° ¥ 13° ¶09'10 0° \$ 0° \$ 0° \$ 11° \$\mathrm{n}\$50'15 2° \$\mathrm{n}\$18'24	-1°01'41 1°01'41 4°24'13	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33 1701 Mar 16 05:38	9° \$\Pi\$31'15 0° \$\Pi\$ 29° \$\Pi\$59'21 15° \$\Pi\$17'58 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 25° \$\Pi\$29'26 18° \$\Pi\$39'46 18° \$\Pi\$43'52 15° \$\Pi\$10'17 9° \$\Pi\$01'14 0° \$\mi\$7 0° \$\Pi\$ 0° \$\mi\$	0°25'24 2.56971 AU -0°04'42 1.8m
evening set max. Earth dist. conjunction minimum elong morning rise asc. node retrograde opposition greatest brilliancy	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33 1696 Feb 20 21:14 1696 Feb 21 01:10	0° £ 25° £51'36 0° M. 0° ₺ 12° ₺44'32 0° ₺ 0° ₺18'57 28° ₺10'46 28° ₺07'37 0° ଛ 0° ₺ 22° ₺22'44 0° Ŷ 0° ₺ 0° II 13° II 09'10 0° ₺ 0° ሺ 0° ₥ 11° ₥50'15 2° ₥18'24 2° ₥14'30	-1°01'41 1°01'41 4°24'13 -1.3m	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33 1701 Mar 16 05:38 1701 Apr 27 19:09	9° \$\Pi\$31'15 0° \$\Pi\$ 29° \$\Pi\$59'21 15° \$\Pi\$17'58 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 25° \$\Pi\$29'26 18° \$\Pi\$39'46 18° \$\Pi\$04'55 19° \$\Pi\$43'52 15° \$\Pi\$10'17 9° \$\Pi\$01'14 0° \$\struck{\pi}\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 23° \$\Pi\$21'36 0° \$\Pi\$ 0° \$\Pi\$	0°25'24 2.56971 AU -0°04'42 1.8m
evening set max. Earth dist. conjunction minimum elong morning rise asc. node retrograde opposition	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33 1696 Feb 20 21:14 1696 Feb 21 01:10 1696 Feb 22 03:22	0° £ 25° £51'36 0° M. 0° ₺ 12° ₺44'32 0° ₺ 0° ₺18'57 28° ₺10'46 28° ₺07'37 0° ଛ 0° ₺ 22° ₺22'44 0° Ŷ 0° ₺ 0° II 13° II 09'10 0° ₺ 0° M 11° \$\mathred{m}\$50'15 2° \$\mathred{m}\$18'24 2° \$\mathred{m}\$14'30 1° \$\mathred{m}\$48'30	-1°01'41 1°01'41 4°24'13	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33 1701 Mar 16 05:38 1701 Apr 27 19:09 1701 May 25 09:47	9° \$\Pi\$31'15 0° \$\Pi\$ 29° \$\Pi\$59'21 15° \$\Pi\$17'58 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 25° \$\Pi\$29'26 18° \$\Pi\$29'26 18° \$\Pi\$43'52 15° \$\Pi\$43'52 15° \$\Pi\$10'17 9° \$\Pi\$01'14 0° \$\Fi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 18° \$\Pi\$47'06	0°25'24 2.56971 AU -0°04'42 1.8m
evening set max. Earth dist. conjunction minimum elong morning rise asc. node retrograde opposition greatest brilliancy min. Earth dist.	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 17 20:32 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33 1696 Feb 20 21:14 1696 Feb 21 01:10 1696 Feb 26 17:50	0° £ 25° £51'36 0° M. 0° ₹ 12° ₹44'32 0° ₹ 0° ₹18'57 28° ₹310'46 28° ₹307'37 0° ≈ 0° ₹ 22° ₹22'44 0° ♀ 0° ₩ 13° Щ09'10 0° € 0° M 11° \$\mu\$50'15 2° \$\mu\$18'24 2° \$\mu\$14'30 1° \$\mu\$48'30 30° \$\mathcal{\Omega}\$	-1°01'41 1°01'41 4°24'13 -1.3m	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33 1701 Mar 16 05:38 1701 Apr 27 19:09	9° \$\Pi\$31'15 0° \$\Pi\$ 29° \$\Pi\$59'21 15° \$\Pi\$17'58 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 25° \$\Pi\$29'26 18° \$\Pi\$39'46 18° \$\Pi\$04'55 19° \$\Pi\$43'52 15° \$\Pi\$10'17 9° \$\Pi\$01'14 0° \$\struck{\pi}\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 0° \$\Pi\$ 23° \$\Pi\$21'36 0° \$\Pi\$ 0° \$\Pi\$	0°25'24 2.56971 AU -0°04'42 1.8m
evening set max. Earth dist. conjunction minimum elong morning rise asc. node retrograde opposition greatest brilliancy	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33 1696 Feb 20 21:14 1696 Feb 21 01:10 1696 Feb 26 17:50 1696 Apr 02 01:04	0° £ 25° £51'36 0° M 0° ₹ 12° ₹44'32 0° ₹ 0° ₹18'57 28° ₹310'46 28° ₹307'37 0° ≈ 0° ₹ 22° ₹22'44 0° ♀ 0° ¥ 13° Д09'10 0° € 0° M 11° \$\mu\$50'15 2° \$\mu\$18'24 2° \$\mu\$14'30 1° \$\mu\$48'30 30° \$\mu\$ 22° \$\mu\$22'34	-1°01'41 1°01'41 4°24'13 -1.3m	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct asc. node	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 May 16 23:07 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33 1701 Mar 16 05:38 1701 Apr 27 19:09 1701 May 25 09:47 1701 Jun 11 05:19	9° \$\Pi\$31'15 0° \$\Sigma\$29° \$\Pi\$59'21 15° \$\Sigma\$17'58 0° \$\Omega\$0° \$\Pi\$00 \$\Omega\$0° \$\Pi\$043'52 15° \$\Pi\$043'52 15° \$\Pi\$01'14 0° \$\star* 0° \$\Sigma\$0° \$\Warkstar* 0° \$\Sigma\$0° \$\Sigma\$0° \$\Warkstar* 0° \$\Sigma\$0° \$\Sigma\$0° \$\Warkstar* 0° \$\Sigma\$0°	0°25'24 2.56971 AU -0°04'42 1.8m 0.52467 AU
evening set max. Earth dist. conjunction minimum elong morning rise asc. node retrograde opposition greatest brilliancy min. Earth dist.	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33 1696 Feb 20 21:14 1696 Feb 21 01:10 1696 Feb 22 03:22 1696 Apr 02 01:04 1696 May 10 21:25	0° £ 25° £51'36 0° M 0° ₹ 12° ₹44'32 0° ₹ 0° ₹10'46 28° ₹507'37 0° ≈ 0° ₹ 22° ₹22'44 0° ♀ 0° ₩ 13° Д09'10 0° \$ 0° M 11° \$\mu\$50'15 2° \$\mu\$14'30 1° \$\mu\$48'30 30° \$\mu\$ 22° \$\mu\$22'34 0° \$\mu\$	-1°01'41 1°01'41 4°24'13 -1.3m	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct asc. node evening set	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33 1701 Mar 16 05:38 1701 Apr 27 19:09 1701 Jun 11 05:19	9° \$\Pi\$31'15 0° \$\Sigma\$29° \$\Pi\$59'21 15° \$\Sigma\$17'58 0° \$\Omega\$0° \$\Pi\$00 \$\Omega\$0° \$\Pi\$043'52 15° \$\Pi\$10'17 9° \$\Pi\$01'14 0° \$\struct \text{0} \t	0°25'24 2.56971 AU -0°04'42 1.8m 0.52467 AU
evening set max. Earth dist. conjunction minimum elong morning rise asc. node retrograde opposition greatest brilliancy min. Earth dist. direct	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33 1696 Feb 20 21:14 1696 Feb 21 01:10 1696 Feb 22 03:22 1696 Apr 02 01:04 1696 May 10 21:25 1696 Jul 12 10:21	0° £ 25° £51'36 0° M 0° ₹ 12° ₹44'32 0° ₹ 0° ₹10'46 28° ₹510'46 28° ₹507'37 0° ≈ 0° ₹ 22° ₹22'44 0° ♀ 0° ₩ 13° Д09'10 0° © 0° M 11° \$\mathbf{m}\$50'15 2° \$\mathbf{m}\$14'30 1° \$\mathbf{m}\$48'30 30° \$\mathbf{A}\$ 22° \$\mathbf{A}\$22'34 0° \$\mathbf{m}\$ 0° £	-1°01'41 1°01'41 4°24'13 -1.3m	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct asc. node evening set conjunction minimum elong	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33 1701 Mar 16 05:38 1701 Apr 27 19:09 1701 Jul 15 01:08 1701 Jul 15 01:08 1701 Jul 15 01:08	9° \$\Pi\$31'15 0° \$\Sigma\$29° \$\Pi\$59'21 15° \$\Sigma\$17'58 0° \$\Omega\$0° \$\Pi\$00 \$\Omega\$0° \$\Pi\$043'52 15° \$\Pi\$10'17 9° \$\Pi\$01'14 0° \$\struct \text{0} \text{2} \text{2} \text{0} \text{0} \text{3} \text{3} \text{2} \text{2} \text{0} \text{0} \text{3} \text{3} \text{2} \text{2} \text{0} \text{0} \text{4} \text{9}	0°25'24 2.56971 AU -0°04'42 1.8m 0.52467 AU
evening set max. Earth dist. conjunction minimum elong morning rise asc. node retrograde opposition greatest brilliancy min. Earth dist.	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33 1696 Feb 20 21:14 1696 Feb 21 01:10 1696 Feb 22 03:22 1696 Apr 02 01:04 1696 May 10 21:25 1696 Aug 01 06:18	0° £ 25° £51'36 0° M 0° ₹ 12° ₹44'32 0° ₹ 0° ₹10'46 28° ₹507'37 0° ≈ 0° ₹ 22° ₹22'44 0° ₹ 0° ₹ 13° \$\mathbf{109'}10 0° \$ 0 \$ 0° \$ 0 \$ 11° \$ 0 50'15 2° \$\mathbf{m}\$18'24 2° \$\mathbf{m}\$14'30 1° \$\mathbf{m}\$48'30 30° \$\mathbf{n}\$ 22° \$\mathbf{222'}34 0° \$\mathbf{m}\$ 0° £ 11° £45'12	-1°01'41 1°01'41 4°24'13 -1.3m	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct asc. node evening set	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33 1701 Mar 16 05:38 1701 Apr 27 19:09 1701 Jul 15 01:08 1701 Jul 15 01:08 1701 Jul 15 00:04 1701 Jul 27 03:43	9° \$\Pi\$31'15 0° \$\Sigma\$29° \$\Pi\$59'21 15° \$\Sigma\$17'58 0° \$\Omega\$0° \$\Pi\$00 \$\Omega\$0° \$\Pi\$043'52 15° \$\Pi\$10'17 9° \$\Pi\$01'14 0° \$\struct \text{0} \text{2} \text{0} \text{0} \text{0} \text{3} \text{2} \text{2} \text{0} \text{0} \text{6} \text{4} \text{2} \text{0} \text{0} \text{0} \text{2} \text{0} \text{0} \text{0} \text{2} \text{0} \t	0°25'24 2.56971 AU -0°04'42 1.8m 0.52467 AU
evening set max. Earth dist. conjunction minimum elong morning rise asc. node retrograde opposition greatest brilliancy min. Earth dist. direct	1694 Aug 05 13:01 1694 Sep 14 08:01 1694 Sep 20 11:00 1694 Nov 02 04:01 1694 Nov 19 12:56 1694 Dec 12 11:45 1694 Dec 12 21:42 1695 Jan 17 22:08 1695 Jan 20 05:54 1695 Feb 27 07:45 1695 Mar 27 19:41 1695 Apr 06 14:52 1695 May 16 00:02 1695 Jun 26 06:44 1695 Jul 15 04:09 1695 Aug 09 06:17 1695 Sep 26 08:05 1695 Nov 23 15:27 1696 Jan 11 22:33 1696 Feb 20 21:14 1696 Feb 21 01:10 1696 Feb 22 03:22 1696 Apr 02 01:04 1696 May 10 21:25 1696 Jul 12 10:21	0° £ 25° £51'36 0° M 0° ₹ 12° ₹44'32 0° ₹ 0° ₹10'46 28° ₹510'46 28° ₹507'37 0° ≈ 0° ₹ 22° ₹22'44 0° ♀ 0° ₩ 13° Д09'10 0° © 0° M 11° \$\mathbf{m}\$50'15 2° \$\mathbf{m}\$14'30 1° \$\mathbf{m}\$48'30 30° \$\mathbf{A}\$ 22° \$\mathbf{A}\$22'34 0° \$\mathbf{m}\$ 0° £	-1°01'41 1°01'41 4°24'13 -1.3m	minimum elong max. Earth dist. morning rise retrograde desc. node opposition greatest brilliancy min. Earth dist. direct asc. node evening set conjunction minimum elong	1699 May 30 20:59 1699 Jun 29 23:29 1699 Jun 29 23:06 1699 Jul 23 01:54 1699 Aug 14 17:38 1699 Oct 01 07:16 1699 Nov 20 00:27 1700 Jan 13 10:40 1700 Apr 03 05:36 1700 May 07 04:19 1700 May 08 19:36 1701 Oct 13 12:02 1700 Jun 17 00:17 1700 Aug 19 20:03 1700 Oct 06 01:15 1700 Nov 16 05:45 1700 Dec 25 18:18 1701 Feb 03 09:59 1701 Mar 07 01:33 1701 Mar 16 05:38 1701 Apr 27 19:09 1701 Jul 15 01:08 1701 Jul 15 01:08 1701 Jul 15 01:08	9° \$\Pi\$31'15 0° \$\Sigma\$29° \$\Pi\$59'21 15° \$\Sigma\$17'58 0° \$\Omega\$0° \$\Pi\$00 \$\Omega\$0° \$\Pi\$043'52 15° \$\Pi\$10'17 9° \$\Pi\$01'14 0° \$\struct \text{0} \text{2} \text{2} \text{0} \text{0} \text{3} \text{3} \text{2} \text{2} \text{0} \text{0} \text{3} \text{3} \text{2} \text{2} \text{0} \text{0} \text{4} \text{9}	0°25'24 2.56971 AU -0°04'42 1.8m 0.52467 AU

	1701 Sep 12 05:57	0° m)		greatest brilliancy	1706 Nov 24 19:11	2° ∏ 44'49	-2 1m
	1701 Oct 29 20:09	0∘ ಹ		greatest similare)	1706 Dec 02 07:40	30° ₹ 8	
	1701 Dec 16 23:02	0° M		direct	1706 Dec 30 04:43	24° 8 53'41	
	1702 Feb 04 10:08	0° ∡ ¹			1707 Jan 29 12:30	0°II	
desc. node	1702 Mar 25 02:49	27° ҂ 13'30			1707 Apr 06 03:18	0ಂತಾ	
	1702 Mar 30 14:10	0°ರ			1707 May 29 03:52	$0^{\circ}\Omega$	
retrograde	1702 Jun 08 02:05	21° る 30'34			1707 Jul 17 21:09	0° m p	
opposition	1702 Jul 09 00:58	16° ට 10'51	-5°36'34		1707 Sep 03 06:55	0∘ ⊽	
greatest brilliancy	1702 Jul 10 03:15	15° る 52'06	-2.7m	evening set	1707 Sep 18 22:38	10° £ 14′06	
min. Earth dist.	1702 Jul 14 21:01	14° ⋜ 31'15	0.39859 AU	max. Earth dist.	1707 Oct 07 21:57	22° £ 52'57	2.56752 AU
direct	1702 Aug 10 17:37	10° පි 06'26			1707 Oct 18 09:59	0° M	
	1702 Oct 09 22:18	0° ≈					
	1702 Nov 26 18:38	0° ∀		conjunction	1707 Nov 05 14:45	12°M32'43	0°05'39
	1703 Jan 09 09:52	0 ° $\mathbf{\gamma}$		minimum elong	1707 Nov 05 14:59	12°M33'08	0°05'40
asc. node	1703 Jan 23 00:41	9° Y 26'41		behind sun begin	1707 Nov 04 19:28	11°M59'11	
	1703 Feb 21 20:35	0°8		behind sun end	1707 Nov 06 10:30	13°ML07'07	
	1703 Apr 07 07:29	$\Pi^{\circ}0$		desc. node	1707 Nov 15 00:48	19°M08'27	
	1703 May 23 01:28	0ංම			1707 Nov 30 07:37	0° ∡ ¹	
evening set	1703 Jul 06 14:08	28°934'05		morning rise	1707 Dec 26 01:21	18° ∡ ⁴42'03	
	1703 Jul 08 20:04	0°N			1708 Jan 10 06:58	0°⋜	
max. Earth dist.	1703 Aug 19 11:11	26° &¿ 28'41	2.67597 AU		1708 Feb 18 19:53	0° ≈	
		0			1708 Mar 28 14:36	0°) €	
conjunction	1703 Aug 22 02:03	28° Ω 08'41	1°07'55		1708 May 06 11:28	0° Υ	
minimum elong	1703 Aug 22 02:26	28° Ω 09'18	1°07'54		1708 Jun 15 11:36	8°0	
	1703 Aug 25 00:01	0° Mp		Ī	1708 Jul 28 02:51	0°II	
morning rise	1703 Oct 05 13:04	26° m 34'05		asc. node	1708 Sep 13 21:32	29° ∏ 32'02	
	1703 Oct 10 20:57	0∘ 亚		. 1	1708 Sep 14 17:50	0°95	
	1703 Nov 25 23:43	0° M 0° ⊀ ¹		retrograde	1708 Nov 25 18:32	24°917'33	0.62006 AII
11-	1704 Jan 10 05:04	0° × ¹ 20° × ¹47'46		min. Earth dist.	1708 Dec 31 14:18	15°959'16	0.62996 AU
desc. node	1704 Feb 10 02:30 1704 Feb 23 16:35	20° メ ・47'46 0° る		opposition	1709 Jan 04 17:35 1709 Jan 04 02:37	14° © 20'04 14° © 35'02	3°58'18 -1.5m
	1704 Apr 07 20:24	0°≈		greatest brilliancy direct	1709 Jan 04 02.37 1709 Feb 12 05:11	5°917'25	-1.3111
	1704 May 23 01:27	0 ≈ 0° ∀		direct	1709 May 01 21:40	0°Ω	
	1704 Jul 15 03:20	0° Υ			1709 Jun 26 00:46	0°m)	
retrograde	1704 Jul 13 03:20 1704 Aug 24 23:15	10° Υ 12'35			1709 Aug 14 03:46	0∘ ʊ 0 ıı⁄ı	
min. Earth dist.	1704 Nug 24 23:15	5° Υ 40'39	0.39814 AU		1709 Sep 28 16:40	0° ™	
opposition	1704 Sep 26 21:51	3° Υ 46'09		desc. node	1709 Oct 01 23:17	2°M14'18	
greatest brilliancy	1704 Sep 26 01:21	4° Υ 01'38		evening set	1709 Oct 31 10:08	22°M50'38	
8	1704 Oct 11 03:55	30° ₹			1709 Nov 10 08:57	0° ∡ 7	
direct	1704 Oct 27 06:13	28° ∺ 18'17		max. Earth dist.	1709 Nov 15 11:16		2.44554 AU
	1704 Nov 12 13:26	$0^{\circ}\mathbf{\Upsilon}$			1709 Dec 20 19:30	0°ರ	
asc. node	1704 Dec 10 00:10	8° Ƴ 46'37					
	1705 Jan 21 10:14	8° 0		conjunction	1709 Dec 25 03:24	3° ප 17'26	-0°47'28
	1705 Mar 13 10:52	$\Pi^{\circ}0$		minimum elong	1709 Dec 25 01:15	3° る 13'20	0°47'26
	1705 May 01 09:56	0°©			1710 Jan 28 17:27	0° ≈	
	1705 Jun 18 21:14	$0^{\circ}\Omega$		morning rise	1710 Feb 26 10:39	22° ≈ 31'51	
	1705 Aug 05 18:54	0° m			1710 Mar 07 22:29	0° ∀	
evening set	1705 Aug 12 03:07	4° Mp 00′52			1710 Apr 15 07:37	0 ° $\mathbf{\Upsilon}$	
max. Earth dist.	1705 Sep 11 04:08	23° m 13'48	2.64775 AU		1710 May 24 18:04	0°8	
	1705 Sep 21 14:50	0∘ ಹ			1710 Jul 05 03:31	$\Pi^{\circ}0$	
				asc. node	1710 Aug 01 21:44	19° Ⅱ 02'28	
conjunction	1705 Sep 26 15:37	3° ≙ 16'47			1710 Aug 18 14:08	0.00	
minimum elong	1705 Sep 26 16:46	3° ≏ 18'39	0°47'55	_	1710 Oct 07 11:55	0° N	
	1705 Nov 05 22:23	0° M		retrograde	1710 Dec 30 13:33	29° Ω 08'27	
morning rise	1705 Nov 10 22:06	3°M22'21		opposition	1711 Feb 08 17:32	19° Ω 24'26	4°33'08
	1705 Dec 19 13:25	0° ∡ 7		min. Earth dist.	1711 Feb 08 11:10	19° Ω 30'48	0.67620 AU
desc. node	1705 Dec 28 02:05	5° ₹ 59'55		greatest brilliancy	1711 Feb 08 15:40	19° Ω 26'19	-1.3m
	1706 Jan 30 14:40	5°0		direct	1711 Mar 21 09:15	9° Ω 38'17	
	1706 Mar 12 09:34	0° ≈			1711 May 29 21:02	0 ் ऌ 0° மி	
	1706 Apr 21 11:49	0° ∀ 0° Υ		desc. node	1711 Jul 23 19:25	0° 22 16° 2 51'48	
	1706 May 31 21:28 1706 Jul 13 13:36	0°8		uese. Houe	1711 Aug 19 22:05	0°M	
	1706 Jul 13 13:36 1706 Sep 03 03:05	0°U			1711 Sep 08 22:39 1711 Oct 21 23:37	0°111℃ 0° √ 7	
retrograde	1706 Sep 03 03:03 1706 Oct 18 01:06	0 II 11°II52'48			1711 Dec 01 07:30	0°중	
asc. node	1706 Oct 18 01:00 1706 Oct 27 22:13	11° I I 09'56		evening set	1711 Dec 01 07:30 1711 Dec 27 18:32	0 පි 20°පි26'28	
min. Earth dist.	1706 Nov 17 15:37	5° I I26'43	0.52369 AU	o ronning set	1711 Dec 27 18:32 1712 Jan 08 23:16	20 ⊙ 20 28	
opposition	1706 Nov 25 05:32	2° II 35'02	1°23'57		1712 Feb 15 22:50	0° ∺	
-FF			,			- /\	

conjunction	1712 Mar 03 08:28	12°) 55′42	-0°58'22		1716 Nov 06 09:22	0∘ ⊽	
minimum elong	1712 Mar 03 11:05	13°) 00′50	0°58'21		1716 Dec 26 00:45	0° M	
	1712 Mar 25 05:03	0 ° $\mathbf{\Upsilon}$			1717 Feb 17 16:29	0° ∡ ¹	
max. Earth dist.	1712 Apr 19 10:46		2.39133 AU	desc. node	1717 Apr 10 19:23	22° √ 11′05	
	1712 May 03 14:21	0°8		retrograde	1717 May 09 23:29	26° ∡ ¹48'51	
morning rise	1712 May 11 21:33	6° 8 09'54		opposition	1717 Jun 11 21:03	20° ∡ 38′25	
	1712 Jun 13 19:44	0°II		greatest brilliancy	1717 Jun 12 19:32	20° ₹ 20'24	
asc. node	1712 Jun 18 20:05	3° Ⅱ 32'27		min. Earth dist.	1717 Jun 19 22:53	18° ₹ 04'12	0.44337 AU
	1712 Jul 27 10:22	0° ©		direct	1717 Jul 17 15:09	13° ₹ 09'46	
	1712 Sep 12 00:31 1712 Nov 02 08:08	0° N 0° m			1717 Sep 10 04:57 1717 Oct 28 07:10	0°る 0°≈	
	1712 Nov 02 08:08 1713 Jan 12 21:03	0∘ ऌ ० ाग्रे			1717 Oct 28 07:10 1717 Dec 09 10:58	0 ≈ 0° ∀	
retrograde	1713 Feb 02 19:40	o — 2° Ω 27'33			1717 Dec 09 10:38	0° Υ	
retrograde	1713 Feb 22 10:51	2 <u>—</u> 2733		asc. node	1718 Feb 08 16:37	14° Υ 21'53	
opposition	1713 Mar 14 01:14	23° m 21'18	3°45'50	use. Houe	1718 Mar 02 17:58	0°8	
greatest brilliancy	1713 Mar 14 12:35	23° m 10'11	-1.4m		1718 Apr 15 05:44	0°Щ	
min. Earth dist.	1713 Mar 17 15:56	21° m 56'31	0.65659 AU		1718 May 30 08:11	0ಂತಾ	
direct	1713 Apr 24 12:30	13° m 19'06		evening set	1718 Jun 21 01:26	14°9507'40	
	1713 Jun 23 12:13	0∘ ত			1718 Jul 15 17:25	$0^{\circ}\Omega$	
desc. node	1713 Jul 06 20:57	6° ≏ 37'41					
	1713 Aug 16 07:00	0°M₊		conjunction	1718 Aug 07 17:44	14° Ω 42'04	1°08'54
	1713 Sep 30 01:37	0° ∡ ″		minimum elong	1718 Aug 07 17:34	14° Ω 41'49	1°08'53
	1713 Nov 09 22:21	0°⋜		max. Earth dist.	1718 Aug 10 15:19		2.67229 AU
	1713 Dec 18 18:12	0° ≈			1718 Aug 31 18:25	0° M)	
	1714 Jan 25 20:28	0° ℋ 0° Ƴ		morning rise	1718 Sep 21 17:22	13° ™ 20'24 0° ≏	
evening set	1714 Mar 05 07:00 1714 Mar 08 01:50	0° γ 2° Υ 08'38			1718 Oct 17 19:55 1718 Dec 03 12:44	0° M	
evening set	1714 Mai 08 01:30 1714 Apr 13 22:38	0° 8			1718 Dec 03 12:44 1719 Jan 18 21:26	0° ⊼ 1	
asc. node	1714 May 06 18:42	16° 8 41'48		desc. node	1719 Feb 26 18:34	25° ✓ 07'57	
use. Houe	1,1111111111111111111111111111111111111	10 0 11 10		dese. node	1719 Mar 06 08:32	ිප 0°ප	
conjunction	1714 May 10 15:38	19° 8 29'01	0°02'30		1719 Apr 23 05:20	0° ≈	
minimum elong	1714 May 10 15:28	19° 8 28'43	0°02'30		1719 Jun 18 16:04	0°)	
behind sun begin	1714 May 09 14:29	18° 8 43'52		retrograde	1719 Jul 28 09:18	9°) €08'06	
behind sun end	1714 May 11 16:27	20° 8 13'31		min. Earth dist.	1719 Aug 25 19:50	4°) 29'41	0.37401 AU
	1714 May 25 10:14	$\Pi^{\circ}0$		opposition	1719 Aug 27 22:35	3°) 55′45	
max. Earth dist.	1714 Jun 18 00:55		2.52480 AU	greatest brilliancy	1719 Aug 27 15:01	4°) €00'49	-2.9m
morning rise	1714 Jul 06 19:38	29° Ⅱ 10′26			1719 Sep 14 04:10	30°R ≈	
	1714 Jul 08 01:09	0°©		direct	1719 Sep 26 08:55	29°≈01'19	
	1714 Aug 22 20:19	0° N			1719 Oct 08 16:10	0° ∀ 0° Υ	
	1714 Oct 09 21:57 1714 Nov 30 08:18	0 ் ⊽ 0° M		asc. node	1719 Dec 17 23:07 1719 Dec 27 15:21	0° γ 5° Υ 41'43	
	1714 Nov 30 08.18 1715 Jan 31 19:40	0° m		asc. Houe	1719 Dec 27 13:21 1720 Feb 04 23:27	0° 8	
retrograde	1715 Mar 15 21:46	9°M04'53			1720 Pco 04 23:27 1720 Mar 23 03:28	0°II	
opposition	1715 Apr 21 20:55	1°M03'30	1°25'35		1720 May 09 10:31	0. 0.	
greatest brilliancy	1715 Apr 22 06:56	0°M54'12			1720 Jun 26 01:51	$0^{\circ}\Omega$	
	1715 Apr 24 17:00	30° ₹ Ω		evening set	1720 Jul 28 18:46	20° Ω 36'30	
min. Earth dist.	1715 Apr 29 00:55	28° ≏ 23'36	0.57242 AU		1720 Aug 12 14:40	0° m	
desc. node	1715 May 24 19:38	21° ≏ 49'51		max. Earth dist.	1720 Sep 01 20:01	12° m 53'04	2.66525 AU
direct	1715 Jun 01 06:46	21° ≏ 27'17					
	1715 Jul 10 07:11	0°M		conjunction	1720 Sep 12 08:18	19° ™ 37'43	0°58'30
	1715 Sep 04 05:56	0° ∡ ¹		minimum elong	1720 Sep 12 09:18	19° m 39'19	0°58'29
	1715 Oct 17 18:53	ිර ව			1720 Sep 28 09:40	0∘ ʊ	
	1715 Nov 26 18:08	0° ≈		morning rise	1720 Oct 26 21:24	18° ≏ 39'13	
	1716 Jan 04 14:11 1716 Feb 12 16:53	0° ∀ 0° Υ			1720 Nov 12 22:56	0° M 0° <i>₹</i>	
asc. node	1716 Feb 12 16.33 1716 Mar 23 18:27	0 γ 29° Υ 48'10		desc. node	1720 Dec 27 01:58 1721 Jan 13 17:15	0 x . 12° x 15'48	
asc. node	1716 Mar 24 00:56	0°8		dese. Hode	1721 Feb 07 20:24	0°る	
	1716 May 05 04:02	0°II			1721 Mar 21 12:46	0° ≈	
evening set	1716 May 06 08:25	0° Ⅱ 49′20			1721 May 01 17:01	0°) €	
Č	1716 Jun 18 06:11	0ಂತಾ			1721 Jun 12 17:33	0° Υ	
					1721 Jul 29 12:19	0°8	
conjunction	1716 Jun 28 17:26	6°956'46	0°51'42	retrograde	1721 Sep 29 10:20	21° 8 07'43	
minimum elong	1716 Jun 28 15:56	6° 9 54'16	0°51'41	min. Earth dist.	1721 Oct 27 20:57	15° 8 33'42	
max. Earth dist.	1716 Jul 17 08:18	19°509'23	2.62485 AU	opposition	1721 Nov 05 02:34	12° 8 38'09	
	1716 Aug 03 02:01	0° N		greatest brilliancy	1721 Nov 04 23:17	12° 8 41'04	-2.4m
morning rise	1716 Aug 16 10:32	8° Ω 34'22		asc. node	1721 Nov 13 15:28	9° 8 45'34	
	1716 Sep 19 05:15	0° Тф		direct	1721 Dec 08 05:39	5° 8 44'46	

	1500 5 1 01 00 01	22.			1505 5 1 00 00 01	1.10 0.112.6	1004140
	1722 Feb 21 02:31	0°П		conjunction	1727 Feb 03 08:31	14°≈04'36	
	1722 Apr 16 15:45	0ංම		minimum elong	1727 Feb 03 08:15	14° ≈ 04'06	1°04'50
	1722 Jun 06 06:06	$0^{\circ}\Omega$			1727 Feb 23 12:24	0° ∀	
	1722 Jul 25 01:53	0° m/			1727 Apr 02 18:44	$0^{\circ}\mathbf{\Upsilon}$	
evening set	1722 Sep 03 22:35	25° m 57'02		morning rise	1727 Apr 14 20:08	9° Ƴ 18'34	
	1722 Sep 10 04:33	0∘ ত			1727 May 12 03:09	$_{0\circ}$ 8	
max. Earth dist.	1722 Sep 26 20:56	10° £ 55'39	2.60466 AU		1727 Jun 22 07:54	$\Pi^{\circ}0$	
	1			asc. node	1727 Jul 06 12:37	9° Ⅱ 57'07	
conjunction	1722 Oct 20 08:02	26° £ 36′21	0°24'19		1727 Aug 05 02:00	0ಂಣ	
minimum elong	1722 Oct 20 08:53	26° ⊆ 37'46	0°24'19		•	0°Ω	
minimum eiong			0 24 19		1727 Sep 21 09:44		
	1722 Oct 25 08:13	0°M		_	1727 Nov 14 22:50	0° т р	
desc. node	1722 Dec 01 16:10	25°M53'04		retrograde	1728 Jan 20 18:19	19° m 34'33	
morning rise	1722 Dec 07 01:02	29°M41'34		opposition	1728 Feb 29 11:57	10° m 10'51	4°13'35
	1722 Dec 07 11:24	0° ∡ ¹		greatest brilliancy	1728 Feb 29 18:54	10° m 03'59	-1.3m
	1723 Jan 17 19:04	ರ°ರ		min. Earth dist.	1728 Mar 02 14:31	9° m 20'52	0.67220 AU
	1723 Feb 26 17:28	0° ≈		direct	1728 Apr 10 19:42	0° ™ 11'18	
	1723 Apr 06 21:24	0° ∀			1728 Jul 06 13:35	0 \circ $\overline{f v}$	
	1723 May 16 03:37	$0^{\circ}\Upsilon$		desc. node	1728 Jul 23 12:43	9° £ 36'52	
	1723 Jun 25 17:15	0°8		desc. node	1728 Aug 25 10:14	0° M	
					•		
	1723 Aug 08 17:12	0°II			1728 Oct 08 06:23	0° ∡	
asc. node	1723 Oct 01 14:29	29° Ⅱ 25'28			1728 Nov 17 19:44	0°ಕ	
	1723 Oct 02 23:45	0_{\circ} වෙ			1728 Dec 26 12:41	0° ≈	
retrograde	1723 Nov 12 06:57	9° © 18'15			1729 Feb 02 12:47	0° ∀	
min. Earth dist.	1723 Dec 16 04:33	1° 5 39'23	0.59454 AU	evening set	1729 Feb 08 04:08	4°) €26'55	
	1723 Dec 20 09:14	30°R Ⅱ			1729 Mar 12 20:31	0 $^{\circ}$ $\mathbf{\Upsilon}$	
opposition	1723 Dec 21 18:44	29° Ⅱ 26'48	3°16'44				
greatest brilliancy	1723 Dec 21 10:11	29° I I43'30	-1.7m	conjunction	1729 Apr 16 07:37	26° Ƴ 14'27	0.53,40
direct		20° I I50'22	-1./111		•	26° Y 17'58	
direct	1724 Jan 28 01:02			minimum elong	1729 Apr 16 09:30		0 23 39
	1724 Mar 10 22:54	0.0			1729 Apr 21 08:33	0°8	
	1724 May 13 00:27	$0^{\circ}\Omega$		asc. node	1729 May 23 10:52	23° 8 25'54	
	1724 Jul 04 05:02	O° m			1729 Jun 01 16:17	Π $\circ 0$	
	1724 Aug 21 11:32	0∘ ত		max. Earth dist.	1729 Jun 01 23:51	0° Ⅱ 13'23	2.47368 AU
	1724 Oct 05 19:06	0° M.		morning rise	1729 Jun 17 10:35	11° Ⅱ 02'50	
evening set	1724 Oct 13 09:16	5°M12'21			1729 Jul 15 05:05	0ංම	
desc. node	1724 Oct 18 14:59	8° M 49'49			1729 Aug 30 03:45	$0^{\circ}\Omega$	
max. Earth dist.	1724 Oct 28 02:51	15°M27'47	2.49664 AU		1729 Oct 18 00:11	0° m)	
max. Lattii dist.	1724 Oct 28 02:31 1724 Nov 17 12:43	0° √	2.47004 AU		1729 Dec 11 09:47	0∘ ʊ	
	1/24 NOV 1/ 12.43	0 🗴					
				retrograde	1730 Feb 26 18:23	24° ≙ 14'31	
conjunction	1724 Dec 03 13:48	11° ₹ 41'18		opposition	1730 Apr 05 19:32	15° ≏ 43'24	
minimum elong	1724 Dec 03 12:27	11° ≯ 38'50	0°27'27	greatest brilliancy	1730 Apr 06 09:15	15° ≏ 30'18	-1.6m
	1724 Dec 28 03:24	0°ප		min. Earth dist.	1730 Apr 11 16:27	13° ≏ 28'55	0.61273 AU
morning rise	1725 Jan 29 20:16	25° る 01'29		direct	1730 May 16 22:19	5° ≏ 49'21	
	1725 Feb 05 06:13	0° ≈		desc. node	1730 Jun 10 12:07	9° £ 20'48	
	1725 Mar 15 15:20	0°) €			1730 Jul 28 17:59	0°M	
	1725 Apr 23 03:23	$0^{\circ}\Upsilon$			1730 Sep 15 04:15	0° ∡ ¹	
	1725 Jun 01 16:41	0°8			1730 Oct 27 03:44	0°ਤ	
1	1725 Jul 13 08:13	0°Ⅱ 24°Ⅲ14125			1730 Dec 05 11:27	0° ≈	
asc. node	1725 Aug 18 12:53	24° Ⅱ 14'35			1731 Jan 12 21:30	0°) €	
	1725 Aug 27 15:10	0ංම			1731 Feb 20 15:25	0°Υ	
	1725 Oct 20 08:05	0 \circ Ω			1731 Apr 01 15:00	$_{0\circ}$ 8	
retrograde	1725 Dec 17 06:29	16° Ω 13'01		asc. node	1731 Apr 10 09:16	6° 8 24'28	
min. Earth dist.	1726 Jan 24 16:52	7° Ω 03'08	0.66587 AU	evening set	1731 Apr 16 01:41	10° 8 31'52	
opposition	1726 Jan 26 11:40	6° Ω 20'14	4°30'13		1731 May 13 10:11	Π $^{\circ}$ 0	
greatest brilliancy	1726 Jan 26 03:59	6° Ω 27'56	-1.3m		·		
B	1726 Feb 13 03:10	30°Rூ		conjunction	1731 Jun 11 23:23	20° Ⅲ 22'24	0°36'32
direct	1726 Mar 07 10:24	26°5947'44		minimum elong	1731 Jun 11 21:47	20° Ⅱ 19'40	
direct		20 €94744 0°Ω		minimum ciong		0°95	0 3031
	1726 Mar 31 17:23			30 at 11 a	1731 Jun 26 06:18		2.50172 : **
	1726 Jun 10 13:20	0° m p		max. Earth dist.	1731 Jul 07 16:03		2.59172 AU
	1726 Aug 01 06:01	0∘ ত		morning rise	1731 Aug 02 06:49	24°9522'21	
desc. node	1726 Sep 05 13:15	22° £ 37'49			1731 Aug 10 23:51	$0 {\circ} \Omega$	
	1726 Sep 16 13:32	0° M ,			1731 Sep 27 08:15	0° m	
	1726 Oct 29 09:38	0° ∡ ¹			1731 Nov 15 08:34	0∘ ত	
evening set	1726 Dec 03 03:59	25° ∡ ¹45'59			1732 Jan 06 10:46	0°M	
-	1726 Dec 08 17:47	0°⋜			1732 Mar 11 16:13	0° ∡ ¹	
max. Earth dist.	1727 Jan 13 05:35		2.37548 AU	retrograde	1732 Apr 15 11:26	6° х 15'34	
dist.	1727 Jan 16 11:25	0°≈		desc. node	1732 Apr 13 11:20 1732 Apr 27 10:21	5°×721'09	
	1,2, Jun 10 11.2J	o . ∽		desc. Hode	1732 May 17 23:11	30°RM	
					1132 Iviay 11 23.11	אווגיי טכ	

				,,		-, [8-	
opposition	1732 May 20 03:39	29° ™ 14'55	-1°08'16	evening set	1737 Aug 20 09:18	12° m) 13'32	
greatest brilliancy	1732 May 20 12:10	29°M07'32		max. Earth dist.	1737 Sep 16 19:33	29° m 52'27	2.63449 AU
min. Earth dist.	1732 May 28 13:06	26°M20'27	0.49615 AU		1737 Sep 17 00:12	0∘ <u>v</u>	
direct	1732 Jun 27 08:19	20°M38'00			1		
	1732 Aug 06 02:19	0° ∡ ¹		conjunction	1737 Oct 05 02:06	11° ≏ 50'37	0°40'09
	1732 Sep 28 05:08	აი		minimum elong	1737 Oct 05 03:13	11° ≏ 52'28	0°40'08
	1732 Nov 09 17:43	0° ≈		Č	1737 Nov 01 06:22	0° M	
	1732 Dec 19 21:19	0° ₩		morning rise	1737 Nov 20 00:31	12° M 47'49	
	1733 Jan 28 22:39	$0^{\circ}\mathbf{\Upsilon}$		•	1737 Dec 14 17:19	0° ∡ ¹	
asc. node	1733 Feb 25 09:15	20° Y ′08′14		desc. node	1737 Dec 18 07:30	2° ∡ ³32'04	
	1733 Mar 11 01:46	0°8			1738 Jan 25 12:03	8°0	
	1733 Apr 22 20:56	$\Pi^{\circ}0$			1738 Mar 06 23:06	0° ≈	
evening set	1733 Jun 04 12:01	28° Ⅱ 41'48			1738 Apr 15 16:03	0° ∀	
	1733 Jun 06 11:21	0°ಲಾ			1738 May 25 12:56	$0^{\circ}\mathbf{\Upsilon}$	
	1733 Jul 22 13:27	$0^{\circ}\Omega$			1738 Jul 06 03:11	0°B	
					1738 Aug 22 05:01	$\Pi^{\circ}0$	
conjunction	1733 Jul 23 22:06	0° Ω 52′27	1°05'47	asc. node	1738 Oct 18 06:18	22° Ⅲ 07′04	
minimum elong	1733 Jul 23 21:21	0° Ω 51'16	1°05'47	retrograde	1738 Oct 27 16:18	22° Ⅱ 43'41	
max. Earth dist.	1733 Aug 01 16:28	6° Ω 29'50	2.66021 AU	min. Earth dist.	1738 Nov 28 11:38	15° Ⅱ 49'58	0.55074 AU
morning rise	1733 Sep 07 22:27	0° Mp 14'11		opposition	1738 Dec 05 10:01	13° Ⅱ 09'26	2°13'13
	1733 Sep 07 13:31	o∘mp		greatest brilliancy	1738 Dec 04 19:23	13° Ⅲ 23'35	-1.9m
	1733 Oct 24 22:09	0∘ ⊽		direct	1739 Jan 10 06:10	5° Ⅱ 06'05	
	1733 Dec 11 10:20	0° M			1739 Mar 29 03:05	0°©	
	1734 Jan 28 11:33	0° ∡ 7			1739 May 23 10:25	$0^{\circ}\Omega$	
desc. node	1734 Mar 15 09:22	27° ∡ ³35′27			1739 Jul 12 21:30	0° m y	
	1734 Mar 19 13:44	0° ට			1739 Aug 29 14:13	0∘ ত	
	1734 May 18 20:05	0° ≈		evening set	1739 Sep 27 21:08	19° ≏ 15'13	
retrograde	1734 Jun 26 02:31	7° ≈ 59'43		-	1739 Oct 13 18:56	0° M	
opposition	1734 Jul 26 08:37	2° ≈ 58'23	-6°33'13	max. Earth dist.	1739 Oct 15 00:22	0° M 50'13	2.54367 AU
greatest brilliancy	1734 Jul 27 03:13	2° ≈ 45'45	-2.9m	desc. node	1739 Nov 05 06:39	15°M33'00	
min. Earth dist.	1734 Jul 29 18:05	2°≈03'04	0.38169 AU				
	1734 Aug 06 20:17	30°Rる		conjunction	1739 Nov 15 14:08	22°M49'24	-0°06'16
direct	1734 Aug 26 11:24	27° ප 34'31		minimum elong	1739 Nov 15 13:51	22°M48'54	0°06'15
	1734 Sep 14 13:42	0° ≈		behind sun begin	1739 Nov 14 18:00	22°M13'42	
	1734 Nov 16 17:03	0°)		behind sun end	1739 Nov 16 09:43	23°M24'08	
	1735 Jan 02 01:18	$0^{\circ}\mathbf{\Upsilon}$			1739 Nov 25 15:24	0° ∡ ¹	
asc. node	1735 Jan 13 08:21	7° Y ′33'46			1740 Jan 05 11:38	ರ°ರ	
	1735 Feb 15 18:01	0°8		morning rise	1740 Jan 07 02:07	1° る 12'11	
	1735 Apr 01 21:54	Π $^{\circ}0$			1740 Feb 13 20:52	0° ≈	
	1735 May 18 02:17	0 \circ \odot			1740 Mar 23 11:52	0°) €	
	1735 Jul 04 02:43	$0^{\circ}\Omega$			1740 May 01 04:49	0° Y	
evening set	1735 Jul 15 04:15	7° Ω 01'07			1740 Jun 09 23:39	9° 8	
	1735 Aug 20 09:10	0° ™			1740 Jul 22 02:46	$\Pi^{\circ}0$	
max. Earth dist.	1735 Aug 24 17:50	2° Mp 46'34	2.67441 AU	asc. node	1740 Sep 04 05:32	28° Ⅲ 22'01	
					1740 Sep 06 23:47	0 \circ \odot	
conjunction	1735 Aug 30 05:18	6° Mp 15′59	1°05'31		1740 Nov 12 07:44	$0^{\circ}\Omega$	
minimum elong	1735 Aug 30 05:57	6° Mp 17′02	1°05'30	retrograde	1740 Dec 03 18:06	2° Ω 46'33	
	1735 Oct 06 05:07	0∘ ⊽			1740 Dec 23 19:44	30° ₹ 🥯	
morning rise	1735 Oct 13 13:48	4° £ 45'57		min. Earth dist.	1741 Jan 09 12:53	24° © 08'40	0.64551 AU
	1735 Nov 21 02:38	0° M		opposition	1741 Jan 12 20:08	22° © 49'15	4°14'23
	1736 Jan 04 21:37	0° ∡		greatest brilliancy	1741 Jan 12 07:19	23° © 02'05	-1.4m
desc. node	1736 Jan 31 08:56	18° ∡ 04′20		direct	1741 Feb 20 21:04	13° © 34'43	
	1736 Feb 17 15:48	0°₹			1741 Apr 23 01:32	0 ° Ω	
	1736 Mar 31 16:39	0° ≈			1741 Jun 20 05:45	0° m)	
	1736 May 13 19:54	0° ∀			1741 Aug 09 03:31	0∘ ⊽	
	1736 Jun 28 20:28	0° Υ		desc. node	1741 Sep 22 05:58	28° ≏ 50'43	
retrograde	1736 Sep 07 20:42	26° Y ′32′28			1741 Sep 23 22:50	0° M	
min. Earth dist.	1736 Oct 04 17:43		0.42104 AU		1741 Nov 05 16:51	0° ∡ ″	
opposition	1736 Oct 12 08:37	19° Y 16′59		evening set	1741 Nov 11 12:12	4° ∡ °13′09	
greatest brilliancy	1736 Oct 11 15:10	19° Y 31'06	-2.6m	max. Earth dist.	1741 Nov 29 11:03	17° ∡ ¹27'45	2.41724 AU
direct	1736 Nov 12 13:18	13° Y 19′05			1741 Dec 16 02:38	0°ಕ	
asc. node	1736 Nov 30 06:51	15° Y 15'56					
	1737 Jan 09 19:46	0° 8		conjunction	1742 Jan 07 16:56	17° る 20'41	
	1737 Mar 06 10:28	0°II		minimum elong	1742 Jan 07 14:51	17° පි 16'38	0°56'38
	1737 Apr 25 19:18	0°50			1742 Jan 23 22:55	0° ≈	
	1737 Jun 13 21:26	0° N			1742 Mar 03 02:04	0°) {	
	1737 Aug 01 02:02	0° m)		morning rise	1742 Mar 15 09:43	9°) (41′50	

	1742 Apr 10 09:23	$0^{\circ}\mathbf{\Upsilon}$		desc. node	1747 May 15 02:15	6°M12′20	
	1742 May 19 18:05	$B_{\circ 0}$		direct	1747 Jun 10 13:58	1°M35'33	
	1742 Jun 30 00:17	$\Pi^{\circ}0$			1747 Aug 27 01:23	0° ∡ ¹	
asc. node	1742 Jul 23 03:34	16° Ⅱ 02'07			1747 Oct 11 08:31	8°0	
	1742 Aug 13 02:02	0ಂತಿ			1747 Nov 20 22:42	0° ≈	
	1742 Aug 13 02:02 1742 Sep 30 16:25	0° U			1747 Nov 20 22:42 1747 Dec 30 02:59	0° ∺	
	•					0°Υ	
	1742 Dec 02 02:09	0° m			1748 Feb 07 11:33		
retrograde	1743 Jan 07 06:03	6° Mp 53′57		asc. node	1748 Mar 14 01:23	26° Y 23′16	
	1743 Feb 09 07:54	30° R Ω			1748 Mar 19 00:39	9° 8	
opposition	1743 Feb 16 07:10	27° Ω 16′20	4°29'15		1748 Apr 30 08:00	Π $^{\circ}0$	
greatest brilliancy	1743 Feb 16 08:35	27° Ω 14'55	-1.3m	evening set	1748 May 17 10:28	11° Ⅱ 45'11	
min. Earth dist.	1743 Feb 16 21:05	27° Ω 02'28	0.67771 AU		1748 Jun 13 13:15	0°©	
direct	1743 Mar 29 05:36	17° Ω 24'19					
	1743 May 20 05:03	0° m/		conjunction	1748 Jul 08 04:53	16° © 14'11	0°58'14
	1743 Jul 17 20:04	0∘ ರ ೧.ಬಿ		minimum elong	1748 Jul 08 03:35		0°58'13
desc. node		0 — 14° Ω 08'44		max. Earth dist.	1748 Jul 23 02:32		2.63973 AU
desc. node	1743 Aug 10 04:33			max. Earm dist.			2.03973 AU
	1743 Sep 03 18:37	0°M			1748 Jul 29 10:14	0 $^{\circ}\Omega$	
	1743 Oct 17 02:17	0°⊀		morning rise	1748 Aug 24 18:52	16° Ω 52'53	
	1743 Nov 26 12:15	0°ප			1748 Sep 14 11:15	0° m y	
	1744 Jan 04 04:32	0° ≈			1748 Nov 01 06:32	0∘ ত	
evening set	1744 Jan 11 20:06	6°≈01'24			1748 Dec 19 23:02	0° M	
	1744 Feb 11 03:59	0° ∀			1749 Feb 08 20:25	0° ∡ ¹	
				desc. node	1749 Apr 01 00:50	26° ∤ 19'20	
conjunction	1744 Mar 19 17:31	29°) 28'10	-0°48'14	dese. node	1749 Apr 09 18:10	0°ප	
minimum elong	1744 Mar 19 20:44	29° H 34'25		retrograde	1749 May 25 18:15	00 10° る 36'24	
minimum clong		29 γ (3423	0 46 13	Č	•		4020150
	1744 Mar 20 09:56			opposition	1749 Jun 26 13:45	4°る55'09	
	1744 Apr 28 19:07	0°8		greatest brilliancy	1749 Jun 27 16:52	4° る 34'46	
max. Earth dist.	1744 May 10 10:54	_	2.41911 AU	min. Earth dist.	1749 Jul 03 18:06	2° る 46'16	0.41700 AU
morning rise	1744 May 26 02:51	20° 8 03'54			1749 Jul 14 11:17	30°Ŗ ⋌ 7	
	1744 Jun 08 23:58	$\Pi^{\circ}0$		direct	1749 Jul 30 16:32	28° ∡ 12'39	
asc. node	1744 Jun 09 03:03	0° Ⅱ 05'28			1749 Aug 15 23:48	0° ප	
	1744 Jul 22 12:09	0ಂತಾ			1749 Oct 18 14:29	0° ≈	
	1744 Sep 06 18:00	$0^{\circ}\Omega$			1749 Dec 02 02:37	0°) €	
	1744 Oct 26 20:45	0° m)			1750 Jan 13 11:04	0°Υ	
	1744 Dec 26 13:59	0∘ ʊ ○ '₩		asc. node	1750 Jan 30 00:15	11° Υ 42'26	
. 1				asc. node			
retrograde	1745 Feb 11 05:45	10° £ 29'45	2022126		1750 Feb 25 03:34	8°0	
opposition	1745 Mar 22 02:30	1° ≏ 34'48			1750 Apr 10 02:05	Π °0	
greatest brilliancy	1745 Mar 22 15:31	1° £ 22'10	-1.4m		1750 May 25 11:44	0 \circ	
	1745 Mar 26 04:03	30°₽, ™)		evening set	1750 Jun 30 01:02	22° © 57'15	
min. Earth dist.	1745 Mar 26 12:56	29° m 51'25	0.64367 AU		1750 Jul 11 01:15	$0^{\circ}\Omega$	
direct	1745 May 02 12:33	21°M 33'25					
	1745 Jun 11 17:38	0∘ ত		conjunction	1750 Aug 16 00:11	22° Ω 54'34	1°08'47
desc. node	1745 Jun 27 03:12	6° £ 26'16		minimum elong	1750 Aug 16 00:22	22° Ω 54'51	1°08'47
***************************************	1745 Aug 09 18:51	0°M		max. Earth dist.	1750 Aug 15 20:14	22° Ω 48'16	
	1745 Sep 24 12:49	0° ∡ 7		max. Lartii dist.	1750 Aug 27 03:37	0° my	2.07554710
	•						
	1745 Nov 04 17:31	ි. ව		morning rise	1750 Sep 29 15:22	21° Tp 22'05	
	1745 Dec 13 17:05	0° ≈			1750 Oct 13 02:28	0∘ ⊽	
	1746 Jan 20 21:38	0° ∀			1750 Nov 28 11:18	0° ™	
	1746 Feb 28 10:01	0 ° $\mathbf{\Upsilon}$			1751 Jan 13 04:02	0° ∡ ″	
evening set	1746 Mar 22 21:19	17° Y 06'53		desc. node	1751 Feb 17 00:18	23° х 05′37	
	1746 Apr 09 03:31	$_{0\circ}$ 8			1751 Feb 27 09:47	o°る	
asc. node	1746 Apr 27 02:44	13° 8 09'14			1751 Apr 13 20:17	0° ≈	
	1746 May 20 16:38	$\Pi^{\circ}0$			1751 May 31 18:48	0° ∀	
	•			retrograde	1751 Aug 14 03:05	27°) €23'38	
conjunction	1746 May 23 01:22	1° Ⅱ 39'50	0°16'11	min. Earth dist.	1751 Sep 10 02:39	22°) 55'43	0.38402 AU
	•	1° Ⅱ 38'07			_	21°) 35'13	
minimum elong	1746 May 23 00:24			opposition	1751 Sep 14 20:19		
max. Earth dist.	1746 Jun 25 17:18		2.55041 AU	greatest brilliancy	1751 Sep 14 02:42	21°) 47'45	-2.9M
	1746 Jul 03 08:00	0°95		direct	1751 Oct 14 15:07	16°) €27'30	
morning rise	1746 Jul 16 21:14	9° © 01'59			1751 Dec 03 23:14	0° Υ	
	1746 Aug 18 01:00	0 $^{\circ}$ Ω		asc. node	1751 Dec 17 23:36	6° Y 50'58	
	1746 Oct 04 18:08	0° m			1752 Jan 28 01:30	0°B	
	1746 Nov 24 01:12	0∘ ⊽			1752 Mar 17 01:09	$\Pi^{\circ}0$	
	1747 Jan 19 18:55	0°M			1752 May 04 04:04	0° ©	
retrograde	1747 Mar 26 13:33	18°M38'16			1752 Jun 21 05:35	$0^{\circ}\Omega$	
opposition	1747 May 01 18:58	10°M56'12	0°36'30	evening set	1752 Aug 06 00:04	28° Ω 45'07	
greatest brilliancy	•				•		
	1747 May 01 23.52	1()°III.51'45	-1 9m		1757 Ano 07 73.73	()~ IIIn	
min. Earth dist.	1747 May 01 23:52 1747 May 09 12:44	10°M51'45 8°M.06'42	-1.9m 0.54689 AU	max. Earth dist.	1752 Aug 07 23:23 1752 Sep 07 04:48	0° ሺን 19° ሺነ 16'19	2.65664 AU

conjunction	1752 Sep 20 11:44	27° m 50'50	0°52'45		1757 May 27 14:07	0° ႘	
minimum elong	1752 Sep 20 11:44 1752 Sep 20 12:51	27° my 52'38	0°52'45		1757 Jul 08 00:17	0°II	
minimum ciong	1752 Sep 20 12:31 1752 Sep 23 19:24	೨७° ೮	0 32 43	asc. node	1757 Aug 08 20:59	21° ∏ 41'47	
morning rise	1752 Nov 04 08:45	27° ≏ 23'22		use. Houe	1757 Aug 21 15:52	0°95	
morning rise	1752 Nov 08 06:10	0°M			1757 Oct 11 15:09	$0^{\circ}\Omega$	
	1752 Dec 22 03:08	0° ⊼ 7		retrograde	1757 Dec 24 22:54	24°Ω08'52	
desc. node	1753 Jan 04 00:10	9° х 00'43		min. Earth dist.	1758 Feb 02 04:40	14° Ω 43'07	0.67284 AU
dese. node	1753 Feb 02 12:06	0°る		opposition	1758 Feb 03 03:20	14° Ω 20'25	4°33'27
	1753 Mar 15 16:04	0° ≈		greatest brilliancy	1758 Feb 02 22:50	14° Ω 24'56	
	1753 Apr 25 04:18	0°) €		direct	1758 Mar 15 11:25	4° Ω 39'52	
	1753 Jun 05 02:50	0° Υ			1758 Jun 03 07:25	0° my	
	1753 Jul 18 22:47	0°8			1758 Jul 26 18:30	0∘ <u>⊽</u>	
	1753 Sep 16 12:45	0° I I		desc. node	1758 Aug 26 19:53	19° ≙ 33'59	
retrograde	1753 Oct 10 08:47	3° Ⅱ 47'11			1758 Sep 11 14:26	0°M	
	1753 Nov 02 06:32	30° ₹ 8			1758 Oct 24 14:42	0° ∡ 7	
asc. node	1753 Nov 03 21:53	29° 8 28'33			1758 Dec 03 23:37	8°0	
min. Earth dist.	1753 Nov 08 23:19	27° 8 43'53	0.50062 AU	evening set	1758 Dec 16 16:10	9° る 43'43	
opposition	1753 Nov 16 22:20	24° 8 47'41	0°40'42	S	1759 Jan 11 16:42	0° ≈	
greatest brilliancy	1753 Nov 16 16:56	24° 8 52'40	-2.2m		1759 Feb 18 16:57	0°) €	
direct	1753 Dec 21 03:04	17° 8 26'14					
	1754 Feb 09 12:00	0°Щ		conjunction	1759 Feb 19 12:56	0°) 39'28	-1°03'05
	1754 Apr 10 00:49	0°50		minimum elong	1759 Feb 19 14:26	0°) 42′27	
	1754 May 31 21:40	$0^{\circ}\Omega$		max. Earth dist.	1759 Mar 21 01:59		2.37411 AU
	1754 Jul 20 05:41	0° m/			1759 Mar 28 22:39	0° Υ	
	1754 Sep 05 13:09	$0 \circ \overline{\mathbf{v}}$		morning rise	1759 May 01 02:40	25° Y 22'40	
evening set	1754 Sep 12 10:24	4° £ 28'47		5 5	1759 May 07 06:33	0°8	
max. Earth dist.	1754 Oct 03 04:08		2.58510 AU		1759 Jun 17 10:17	0°II	
	1754 Oct 20 17:32	0°M		asc. node	1759 Jun 26 19:35	6° Ⅱ 37'14	
					1759 Jul 31 00:21	0°ಅ	
conjunction	1754 Oct 29 10:39	5° ™ 57'22	0°13'50		1759 Sep 15 18:58	$0^{\circ}\Omega$	
minimum elong	1754 Oct 29 11:11	5°M58'17	0°13'50		1759 Nov 07 01:43	0° m)	
behind sun begin	1754 Oct 29 00:36	5° M 40'07		retrograde	1760 Jan 28 18:37	27° m 23'38	
behind sun end	1754 Oct 29 21:46	6°M₁6′28		opposition	1760 Mar 08 05:36	18° mp 09'12	3°58'43
desc. node	1754 Nov 21 22:39	22°M18'46		greatest brilliancy	1760 Mar 08 15:09	17° m 59'48	-1.3m
	1754 Dec 02 18:47	0° × 7		min. Earth dist.	1760 Mar 11 04:04	16° m 59'52	0.66482 AU
morning rise	1754 Dec 17 12:24	10° ∡ ³35'50		direct	1760 Apr 18 15:22	8° m 07'31	
3	1755 Jan 12 22:35	0°₹			1760 Jun 28 17:19	$0 \circ \overline{\mathbf{v}}$	
	1755 Feb 21 16:06	0° ≈		desc. node	1760 Jul 13 18:51	7° £ 58'37	
	1755 Apr 01 14:49	0°) €			1760 Aug 19 15:46	0°M	
	1755 May 10 14:49	$0^{\circ}\Upsilon$			1760 Oct 03 01:45	0° ∡ ¹	
	1755 Jun 19 18:48	0°8			1760 Nov 12 20:08	0°⋜	
	1755 Aug 01 19:13	0°II			1760 Dec 21 15:07	0° ≈	
asc. node	1755 Sep 21 20:57	0°523'02			1761 Jan 28 16:18	0°) €	
	1755 Sep 21 02:53	0°ಅ		evening set	1761 Feb 24 01:56	20°) 43′13	
retrograde	1755 Nov 20 17:41	18°930'50		8	1761 Mar 08 00:48	$0^{\circ}\Upsilon$	
min. Earth dist.	1755 Dec 25 17:07	10°529'18	0.61530 AU		1761 Apr 16 13:40	0°8	
opposition	1755 Dec 30 12:05	8° 5 34'46	3°43'29			• •	
greatest brilliancy	1755 Dec 29 19:47	8°951'02	-1.6m	conjunction	1761 Apr 30 11:26	10° 8 15'11	-0°08'33
· ·	1756 Jan 30 20:29	30°R Ⅱ		minimum elong	1761 Apr 30 12:05	10° 8 16'21	0°08'33
direct	1756 Feb 06 10:40	29° Ⅱ 43'04		behind sun begin	1761 Apr 29 13:38	9° 8 35'18	
	1756 Feb 13 05:39	0ಂಣ		behind sun end	1761 May 01 10:32	10° 8 57'22	
	1756 May 06 00:47	$0^{\circ}\Omega$		asc. node	1761 May 13 18:01	19° 8 53'08	
	1756 Jun 28 19:37	0° m			1761 May 27 22:13	$\Pi^{\circ}0$	
	1756 Aug 16 14:38	0∘ ⊽		max. Earth dist.	1761 Jun 11 17:11	10° Ⅱ 22'20	2.50252 AU
	1756 Oct 01 02:27	0°M		morning rise	1761 Jun 28 18:21	22° I 106'00	
desc. node	1756 Oct 08 21:05	5° M ₁9'30		5 5	1761 Jul 10 10:35	0ಂತಾ	
evening set	1756 Oct 23 09:49	15°M25'56			1761 Aug 25 05:39	$0^{\circ}\Omega$	
max. Earth dist.	1756 Nov 06 21:55	25°M43'24	2.46870 AU		1761 Oct 12 12:55	0° m/	
	1756 Nov 12 20:40	0° ∡ 7			1761 Dec 03 22:02	0∘ ⊽	
					1762 Feb 12 18:42	0°M	
conjunction	1756 Dec 15 09:42	23° ₹ 57'50	-0°39'17	retrograde	1762 Mar 08 08:27	3°M01'44	
minimum elong	1756 Dec 15 07:48	23° × 54'18		5	1762 Mar 30 06:09	30° ₽₽	
	1756 Dec 23 09:59	0°る	-	opposition	1762 Apr 14 19:27		1°56'20
	1757 Jan 31 10:41	0° ≈		greatest brilliancy	1762 Apr 15 07:37	24° Ω 34'55	-1.7m
morning rise	1757 Feb 13 22:00	10° ≈ 31'18		min. Earth dist.	1762 Apr 21 09:39		0.59142 AU
<i>3</i>	1757 Mar 10 17:41	0°) €		direct	1762 May 25 13:31	15° ⊆ 00'41	
	1757 Apr 18 03:34	0° Υ		desc. node	1762 May 31 17:17	15° ⊆ 15'26	
	-F 00.01	•			·		

	1762 Jul 18 18:32	0°M			1767 Oct 01 14:08	0∘ ⊽	
	1762 Sep 08 13:48	0° ⊼ 7		morning rise	1767 Oct 21 16:50	13° ഫ 05'39	
	1762 Oct 21 09:34	ੈ°ਤ		morning rise	1767 Nov 16 07:35	0°M	
	1762 Nov 30 01:50	0° ≈			1767 Dec 30 17:57	0° ∡ 7	
	1763 Jan 07 17:09	0°) €		desc. node	1768 Jan 21 15:14	15° ∡ 06'01	
	1763 Feb 15 15:02	$0^{\circ}\Upsilon$			1768 Feb 11 22:46	0°₹	
	1763 Mar 27 18:00	0°8			1768 Mar 25 04:12	0° ≈	
asc. node	1763 Mar 31 17:56	2° 8 55'15			1768 May 06 01:34	0° ∀	
evening set	1763 Apr 28 10:43	22° 8 48'42			1768 Jun 18 06:40	0 $^{\circ}$ $\mathbf{\Upsilon}$	
	1763 May 08 16:10	Π $^{\circ}0$			1768 Aug 08 10:44	0°8	
	1763 Jun 21 14:08	0°ಲ		retrograde	1768 Sep 20 13:07	11° 8 25'12	
				min. Earth dist.	1768 Oct 18 02:53	6° 8 13'47	0.44784 AU
conjunction	1763 Jun 22 07:09	0°\$28'26	0°45'54	opposition	1768 Oct 26 07:32	3° 8 25'54	-1°27'45
minimum elong	1763 Jun 22 05:32	0° © 25'43	0°45'54	greatest brilliancy	1768 Oct 25 21:41	3° 8 34'19	-2.5m
max. Earth dist.	1763 Jul 13 22:12	14° 5 347'12	2.61098 AU		1768 Nov 06 04:35	30° ₹Ƴ	
	1763 Aug 06 07:47	$0^{\circ}\Omega$		asc. node	1768 Nov 20 14:25	27° Ƴ 16′25	
morning rise	1763 Aug 11 01:39	3° Ω 03′21		direct	1768 Nov 27 13:58	26° Ƴ 56'51	
	1763 Sep 22 12:12	o° mp			1768 Dec 20 03:41	8°	
	1763 Nov 09 23:27	0∘ ত			1769 Feb 26 11:40	$\Pi^{\circ}0$	
	1763 Dec 30 11:34	0°M			1769 Apr 19 21:27	0ංම	
	1764 Feb 25 04:48	0° ∡ ¹			1769 Jun 08 18:45	$0^{\circ}\Omega$	
desc. node	1764 Apr 17 16:51	17° √ 11'51			1769 Jul 27 08:04	0° m/	
retrograde	1764 Apr 28 19:01	17° ₹ 55'50		evening set	1769 Aug 28 16:29	20° m/30'24	
opposition	1764 Jun 01 12:50	11° ∡ ¹22'04	-2°20'09	C	1769 Sep 12 09:26	0∘ ত	
greatest brilliancy	1764 Jun 02 05:42	11° ∡ ¹08'00	-2.3m	max. Earth dist.	1769 Sep 22 14:38	6° £ 39'52	2.61904 AU
min. Earth dist.	1764 Jun 09 22:26	8° ∡ ³34'53	0.46660 AU		•		
direct	1764 Jul 08 11:02	3° ∡ ¹20'07		conjunction	1769 Oct 13 16:44	20° £ 37'15	0°31'20
	1764 Sep 18 14:36	8°0		minimum elong	1769 Oct 13 17:44	20° £ 38'55	0°31'19
	1764 Nov 02 11:55	0° ≈		C	1769 Oct 27 15:13	0°M	
	1764 Dec 13 14:19	0° ∀		morning rise	1769 Nov 29 11:58	22°M38'38	
	1765 Jan 23 05:34	$0^{\circ}\Upsilon$		desc. node	1769 Dec 08 14:00	29°M02'13	
asc. node	1765 Feb 15 16:14	17° Ƴ 02'54			1769 Dec 09 22:41	0° ∡ ¹	
	1765 Mar 05 18:40	0° ႘			1770 Jan 20 11:56	8°0	
	1765 Apr 17 21:31	$\Pi^{\circ}0$			1770 Mar 01 16:05	0° ≈	
	1765 Jun 01 17:13	0ಂಣ			1770 Apr 10 01:35	0° ∀	
evening set	1765 Jun 14 02:37	8° © 07'04			1770 May 19 13:03	0 $^{\circ}$ $\mathbf{\Upsilon}$	
	1765 Jul 17 22:25	$0^{\circ}\Omega$			1770 Jun 29 10:14	8°	
					1770 Aug 13 07:06	Π $^{\circ}0$	
conjunction	1765 Aug 01 11:46	9° Ω 19'28	1°08'05	asc. node	1770 Oct 08 14:03	27° Ⅱ 56'41	
minimum elong	1765 Aug 01 11:22	9° Ω 18'51	1°08'05		1770 Oct 15 14:46	0ංම	
max. Earth dist.	1765 Aug 07 00:22	12° Ω 51'10	2.66799 AU	retrograde	1770 Nov 05 19:07	2° © 52'51	
	1765 Sep 02 22:32	0° m			1770 Nov 25 19:00	30° Ŗ Ⅱ	
morning rise	1765 Sep 15 20:45	8° mp 13'02		min. Earth dist.	1770 Dec 08 18:42	25° Ⅱ 33'03	0.57591 AU
· ·	1765 Oct 20 02:50	0∘ ⊽		opposition	1770 Dec 14 23:19	23° Ⅱ 07'18	2°53'13
	1765 Dec 06 03:45	o° m		greatest brilliancy	1770 Dec 14 06:37	23° Ⅲ 23'42	-1.8m
	1766 Jan 22 04:18	0° ≯ ¹		direct	1771 Jan 20 14:27	14° ∏ 44'43	
desc. node	1766 Mar 05 16:17	26° ∡ ¹45'30			1771 Mar 19 08:43	0ංම	
	1766 Mar 10 21:56	8°0			1771 May 17 08:04	$0^{\circ}\Omega$	
	1766 Apr 30 21:14	0° ≈			1771 Jul 07 18:18	0° m	
retrograde	1766 Jul 14 09:55	25°≈40'02			1771 Aug 24 19:41	0∘ ত	
opposition	1766 Aug 13 13:44	20° ≈ 41'29	-6°52'07	evening set	1771 Oct 07 03:09	28° ≏ 37'55	
greatest brilliancy	1766 Aug 13 18:14	20° ≈ 38'31	-2.9m	•	1771 Oct 09 03:23	0°M	
min. Earth dist.	1766 Aug 13 22:52	20° ≈ 35′28	0.37326 AU	max. Earth dist.	1771 Oct 22 19:22	9°M23'39	2.51844 AU
direct	1766 Sep 12 09:25	15° ≈ 42'50		desc. node	1771 Oct 26 12:42	11°M58'50	
	1766 Nov 02 04:18	0° ∀			1771 Nov 20 23:31	0° ∡ ¹	
	1766 Dec 24 12:34	$0^{\circ}\mathbf{\Upsilon}$					
asc. node	1767 Jan 03 14:20	6° Y 22'11		conjunction	1771 Nov 26 02:10	3° х 41′09	-0°18'24
	1767 Feb 09 03:47	0°8		minimum elong	1771 Nov 26 01:17	3° ∡ ³39'35	
	1767 Mar 27 07:03	0°Ⅲ		Č	1771 Dec 31 17:39	0°ರ	
	1767 May 13 00:32	0ಂತಾ		morning rise	1772 Jan 20 00:56	14° ₹ 38'31	
	1767 Jun 29 08:32	$0^{\circ}\Omega$		Č	1772 Feb 08 23:44	0° ≈	
evening set	1767 Jul 23 14:29	15° Ω 19'16			1772 Mar 18 11:28	0° ∀	
-	1767 Aug 15 18:28	0° mp			1772 Apr 26 01:04	$0^{\circ}\mathbf{\Upsilon}$	
max. Earth dist.	1767 Aug 29 23:43		2.67044 AU		1772 Jun 04 15:22	0°8	
	-	÷			1772 Jul 16 09:33	0° I I	
conjunction	1767 Sep 07 07:33	14° m 22'30	1°01'51	asc. node	1772 Aug 25 12:14	26° Ⅲ 31′21	
minimum elong	1767 Sep 07 08:26	14° m 23'55	1°01'50		1772 Aug 31 02:52	0ಂತ	
ě	*	•			-		

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_	1772 Oct 26 13:23	$0^{\circ}\Omega$			1778 Jan 15 20:46	0° ∀	
retrograde	1772 Dec 11 14:08	11° Ω 02'25			1778 Feb 23 11:26	0° Υ	
min. Earth dist.	1773 Jan 18 06:55	2° Ω 06'13	0.65801 AU		1778 Apr 04 07:05	0°8	
opposition	1773 Jan 20 18:03	1° Ω 06'53	4°25'26	evening set	1778 Apr 05 23:03	1° 8 13'41	
greatest brilliancy	1773 Jan 20 07:55	1° Ω 17'03	-1.4m	asc. node	1778 Apr 17 08:50	9° 8 34'28	
1' 4	1773 Jan 23 12:59	30°R≌			1778 May 15 22:20	Π °0	
direct	1773 Mar 01 07:12	21°9541'53			1770 1 02 17 47	13° II 03'45	0020122
	1773 Apr 11 08:58 1773 Jun 14 00:13	0° Ω		conjunction	1778 Jun 03 16:47 1778 Jun 03 15:19	13° Д 03'45 13° Д 01'15	
		0 ்⊽ 0° மி		minimum elong	1778 Jun 03 13:19 1778 Jun 28 14:57	0°©	0-28-31
desc. node	1773 Aug 03 22:37 1773 Sep 12 11:18	0 ≗ 25° £ 32'34		max. Earth dist.	1778 Jul 02 19:49		2.57430 AU
desc. Hode	1773 Sep 12 11.18 1773 Sep 19 02:18	0°M		morning rise	1778 Jul 02 19:49 1778 Jul 26 10:33	18°925'00	2.37430 AU
	1773 Oct 31 22:54	0° ⊼ 7		morning risc	1778 Aug 13 07:04	0°Ω	
evening set	1773 Nov 23 10:19	16° ₹ 129'54			1778 Sep 29 17:48	0° m)	
evening set	1773 Nov 23 10:17	0°る			1778 Nov 18 04:46	0∘ ಹ	
max. Earth dist.	1773 Dec 18 08:29	。 5° 云 19'38	2.39162 AU		1779 Jan 10 18:56	0° M ₊	
max. Earth dist.	1774 Jan 19 04:17	0°≈	2.37102110	retrograde	1779 Apr 07 00:17	28°M47'30	
	17710411 19 01.17			desc. node	1779 May 05 08:19	23°M52'17	
conjunction	1774 Jan 22 07:49	2° ≈ 28'03	-1°02'51	opposition	1779 May 12 10:09	21°ML27'01	-0°20'27
minimum elong	1774 Jan 22 06:29	2°≈25'26		greatest brilliancy	1779 May 12 12:43		-2.1m
8	1774 Feb 26 06:20	0°) €		min. Earth dist.	1779 May 20 14:10	18°M32'39	0.51952 AU
morning rise	1774 Apr 01 15:03	26°) 58′05		direct	1779 Jun 20 09:30	12° M 27'48	
C	1774 Apr 05 12:39	$0^{\circ}\Upsilon$			1779 Aug 16 18:00	0° ≯ 7	
	1774 May 14 20:03	0° ႘			1779 Oct 04 06:50	0°రె	
	1774 Jun 24 23:52	$\Pi^{\circ}0$			1779 Nov 14 19:40	0° ≈	
asc. node	1774 Jul 13 11:47	12° Ⅲ 55'46			1779 Dec 24 11:16	0° ∀	
	1774 Aug 07 18:49	0°9			1780 Feb 02 03:40	0 ° $\mathbf{\Upsilon}$	
	1774 Sep 24 11:13	$0^{\circ}\Omega$		asc. node	1780 Mar 04 08:38	23° Y '02'55	
	1774 Nov 20 01:48	0° m p			1780 Mar 13 22:47	0°8	
retrograde	1775 Jan 14 23:58	14° m 38'13			1780 Apr 25 11:07	$\Pi^{\circ}0$	
opposition	1775 Feb 23 20:56	5° ™ 07'51	4°21'26	evening set	1780 May 27 22:54	22° Ⅱ 04'59	
greatest brilliancy	1775 Feb 24 01:30	5° ™ 03'19	-1.3m		1780 Jun 08 19:59	0 \circ \odot	
min. Earth dist.	1775 Feb 25 07:04	4°₩33'58	0.67588 AU				
	1775 Mar 09 11:30	30° R Ω		conjunction	1780 Jul 17 07:59	25° © 11'22	1°03'11
direct	1775 Apr 06 00:35	25° Ω 11'09		minimum elong	1780 Jul 17 07:00	25° © 09'45	1°03'11
	1775 May 06 04:09	0° m			1780 Jul 24 18:55	0 \circ Ω	
	1775 Jul 11 08:51	0∘ ত		max. Earth dist.	1780 Jul 28 18:25		2.65216 AU
desc. node	1775 Jul 31 10:39	11° ≏ 43'50		morning rise	1780 Sep 01 23:04	25° Ω 02'24	
	1775 Aug 29 09:50	0° M			1780 Sep 09 18:41	0° m)	
	1775 Oct 12 01:44	0° ∡			1780 Oct 27 07:24	0∘ 亚	
	1775 Nov 21 14:37	ිර ව			1780 Dec 14 06:41	0° M	
	1775 Dec 30 07:43	0° ≈ 22° ≈ 24'09		11-	1781 Feb 01 08:28	0° ⋌ ¹ 27°. 3 5€124	
evening set	1776 Jan 27 16:55	0° H		desc. node	1781 Mar 22 07:16 1781 Mar 26 04:45	27° メ 56'34 0° る	
	1776 Feb 06 07:35 1776 Mar 15 14:03	0 Υ 0° Υ		retrograde	1781 Mai 26 04.43	0 3 25° る 52'18	
	1770 Mai 13 14.03	U I		opposition	1781 Jul 12 18:49	23 3 32 18 20° 3 37'00	5°51'50
conjunction	1776 Apr 04 15:40	15° Y 25'16	-0°34'52	greatest brilliancy	1781 Jul 12 18:49	20° පි18'47	
minimum elong	1776 Apr 04 18:24	15° Υ 30'28		min. Earth dist.	1781 Jul 18 04:41		0.39474 AU
iiiiiiiii CiOiig	1776 Apr 04 18:24 1776 Apr 23 23:49	0° と	3 3 1 3 1	direct	1781 Aug 14 04:56	19 3 0317 14° る 41'01	9.57717 AU
max. Earth dist.	1776 May 24 07:52		2.44939 AU	4	1781 Oct 04 19:57	0° ≈	
asc. node	1776 May 30 10:44	26° 8 36'44			1781 Nov 23 13:34	0° ₩	
	1776 Jun 04 05:00	0°Ⅱ			1782 Jan 06 16:13	0° Υ	
morning rise	1776 Jun 08 04:08	2° Ⅱ 48'18		asc. node	1782 Jan 20 08:00	9° Y 25′15	
Č	1776 Jul 17 15:51	0ಂತಾ			1782 Feb 19 07:15	0°8	
	1776 Sep 01 15:42	$0^{\circ}\Omega$			1782 Apr 04 19:44	$\Pi^{\circ}0$	
	1776 Oct 20 21:24	0° m			1782 May 20 14:07	0°ಅ	
	1776 Dec 16 02:55	0∘ ⊽			1782 Jul 06 08:54	$0^{\circ}\Omega$	
retrograde	1777 Feb 19 23:12	18° ≏ 42'21		evening set	1782 Jul 08 19:06	1° Ω 32'41	
opposition	1777 Mar 30 09:17	9° £ 59'54	2°56'11	max. Earth dist.	1782 Aug 21 02:25	29° Ω 04'41	2.67587 AU
greatest brilliancy	1777 Mar 30 23:00	9° £ 46'41	-1.5m		1782 Aug 22 13:12	0° m	
min. Earth dist.	1777 Apr 04 14:47	7° ≏ 58'58	0.62781 AU				
direct	1777 May 10 15:42	0° ჲ 01'23		conjunction	1782 Aug 24 04:37	1° m 02'42	1°07'19
desc. node	1777 Jun 17 10:04	7° ≏ 40'39		minimum elong	1782 Aug 24 05:05	1° Mp 03'28	1°07'19
	1777 Aug 02 13:59	0° M ₊		morning rise	1782 Oct 07 14:27	29° m 27'36	
	1777 Sep 18 17:45	0° ∡			1782 Oct 08 10:34	0∘ ⊽	
	1777 Oct 30 09:23	5°0			1782 Nov 23 13:22	0° M ₊	
	1777 Dec 08 13:30	0° ≈			1783 Jan 07 17:41	0° ∡ 7	

desc. node	1783 Feb 07 07:00	20° ∡ ³36'49		direct	1788 Feb 15 09:14	8° © 13'32	
	1783 Feb 21 02:26	0°ප			1788 Apr 28 02:43	$0 {\circ} \Omega$	
	1783 Apr 06 00:25	0° ≈			1788 Jun 23 04:35	O° Mp	
	1783 May 20 15:29	0° ∀			1788 Aug 11 15:31	0° ⊽	
	1783 Jul 09 23:33	0 ° Υ			1788 Sep 26 09:01	0° M.	
retrograde	1783 Aug 29 05:01	14° Ƴ 45'53		desc. node	1788 Sep 29 03:48	1°M53'38	
min. Earth dist.	1783 Sep 24 19:54	10° Ƴ 12'13	0.40191 AU	evening set	1788 Nov 02 23:21	26°M15′14	
opposition	1783 Oct 01 12:00	8° Ƴ 10′05	-4°06'10		1788 Nov 08 04:18	0° ∡ ¹	
greatest brilliancy	1783 Sep 30 15:45	8° Ƴ 25'35	-2.8m	max. Earth dist.	1788 Nov 18 11:41	7° ∡ ¹29'32	2.43997 AU
direct	1783 Oct 31 22:14	2° Y 37'01			1788 Dec 18 16:38	0°ප	
asc. node	1783 Dec 08 06:23	10° Ƴ 29'05					
	1784 Jan 18 13:04	$6^{\circ}B$		conjunction	1788 Dec 28 04:03	7° る 12'46	-0°49'57
	1784 Mar 10 11:15	$\Pi^{\circ}0$		minimum elong	1788 Dec 28 01:51	7°る08'35	0°49'56
	1784 Apr 28 17:05	0ಂತಾ			1789 Jan 26 15:15	0° ≈	
	1784 Jun 16 07:28	$0^{\circ}\Omega$		morning rise	1789 Mar 02 04:54	27° ≈ 08'33	
	1784 Aug 03 07:13	0° m		Č	1789 Mar 05 20:02	0° ∀	
evening set	1784 Aug 14 05:54	6° m 55'33			1789 Apr 13 04:01	$0^{\circ}\Upsilon$	
max. Earth dist.	1784 Sep 12 17:42	25° m 48'33	2.64544 AU		1789 May 22 12:25	0°8	
	1784 Sep 19 04:55	0∘ ⊽			1789 Jul 02 18:37	0°II	
	170.5 c p 15 0cc	<u> </u>		asc. node	1789 Jul 30 03:04	18° ∏ 51'24	
conjunction	1784 Sep 28 19:08	6° £ 15′03	0°45'49	ase. node	1789 Aug 15 23:28	0°9	
minimum elong	1784 Sep 28 20:17	6° £ 16'56			1789 Oct 04 06:18	$0^{\circ}\Omega$	
minimum ciong	1784 Nov 03 13:59	0°M	0 45 40		1789 Dec 14 06:21	0° m	
morning rise	1784 Nov 13 04:10	6°M29'24		retrograde	1790 Jan 01 14:38	1° Mp 57'54	
morning risc	1784 Dec 17 06:03	0° 📈		retrograde	1790 Jan 18 19:48	30°RΩ	
desc. node	1784 Dec 25 05:34	5° ∡ 136'27		opposition	1790 Feb 10 17:15	22° Ω 14'59	4032122
desc. flode	1784 Dec 23 03:34 1785 Jan 28 07:43	0°る		greatest brilliancy	1790 Feb 10 17:13	22°Ω16'13	
	1785 Mar 10 02:14	0°≈		min. Earth dist.	1790 Feb 10 10:00 1790 Feb 10 14:38	22°Ω17'35	0.67684 AU
		0 ∞ 0° ∀			1790 Mar 23 09:29	$12^{\circ}\Omega 27'40$	0.07064 AU
	1785 Apr 19 03:00	0 Υ 0° Υ		direct			
	1785 May 29 08:55	0° ∀			1790 May 25 20:42	0° ⊽ 0°₥	
	1785 Jul 10 15:12			1 1	1790 Jul 21 00:05		
. 1	1785 Aug 29 07:20	0° П		desc. node	1790 Aug 17 02:37	16° £ 42'08	
retrograde	1785 Oct 20 12:08	15° Ⅱ 20'35			1790 Sep 06 12:24	0°M	
asc. node	1785 Oct 25 05:41	15° Ⅱ 10'43	0.52005.441		1790 Oct 19 18:09	0° ∡	
min. Earth dist.	1785 Nov 20 07:49	8° Ⅱ 48'27	0.52885 AU		1790 Nov 29 04:50	0°る	
opposition	1785 Nov 27 18:02	5° Ⅱ 59'10	1°38'06	evening set	1790 Dec 31 01:23	24° る 37'19	
greatest brilliancy	1785 Nov 27 06:13	6° Ⅱ 10′26	-2.0m		1791 Jan 06 21:57	0° ≈	
	1785 Dec 16 15:20	30°₹ 8			1791 Feb 13 21:39	0° ∀	
direct	1786 Jan 01 20:47	28° 8 13'23				>	
	1786 Jan 19 01:44	0°II		conjunction	1791 Mar 08 00:47	17° ∺ 26′20	
	1786 Apr 02 16:49	0°®		minimum elong	1791 Mar 08 03:40	17°) 32′00	0°56'17
	1786 May 26 08:07	$0^{\circ}\Omega$			1791 Mar 24 02:56	0° Υ	
	1786 Jul 15 07:17	0° m)		max. Earth dist.	1791 Apr 26 08:21	25° Y 25'59	2.39607 AU
	1786 Aug 31 20:40	0∘ ত			1791 May 02 10:23	0°8	
evening set	1786 Sep 21 03:56	13° ≏ 16'24		morning rise	1791 May 16 07:18	10° 8 17'31	
max. Earth dist.	1786 Oct 09 21:25	25° ≏ 47'29	2.56293 AU		1791 Jun 12 13:10	$\Pi^{\circ}0$	
	1786 Oct 16 02:23	0°M₊		asc. node	1791 Jun 17 02:11	3° Ⅱ 13'05	
					1791 Jul 26 00:19	0ಂ ತಾ	
conjunction	1786 Nov 08 00:40		0°02'31		1791 Sep 10 09:01	$0^{\circ}\Omega$	
minimum elong	1786 Nov 08 00:45	15°M49'10	0°02'31		1791 Oct 31 03:30	0° m	
behind sun begin	1786 Nov 07 04:15	15°M13'22			1792 Jan 05 04:09	0₀ ಹ	
behind sun end	1786 Nov 08 21:16	16°M25'01		retrograde	1792 Feb 05 23:35	5° ≏ 19'07	
desc. node	1786 Nov 12 04:12	18°M43'23			1792 Mar 06 01:52	30°₽, Mp	
	1786 Nov 28 01:53	0° √		opposition	1792 Mar 16 02:51	26° Mp 14′56	3°39'35
morning rise	1786 Dec 28 20:07	22° ₹ 22'43		greatest brilliancy	1792 Mar 16 14:31	26° Mp 03'31	-1.4m
	1787 Jan 08 02:22	0° ප		min. Earth dist.	1792 Mar 19 21:02	24° Mp 46'42	0.65440 AU
	1787 Feb 16 15:43	0° ≈		direct	1792 Apr 26 13:03	16° Mp 12′39	
	1787 Mar 27 10:09	0° ∀			1792 Jun 19 03:30	0∘ ত	
	1787 May 05 05:45	$0^{\circ}\Upsilon$		desc. node	1792 Jul 04 00:58	7° ≏ 04'17	
	1787 Jun 14 03:01	9° 8			1792 Aug 13 11:49	0° M	
	1787 Jul 26 12:01	$\Pi^{\circ}0$			1792 Sep 27 16:16	0° ∡ ″	
asc. node	1787 Sep 12 05:22	29° ∏ 56′28			1792 Nov 07 17:26	0°ರ	
	1787 Sep 12 07:51	0 \circ \odot			1792 Dec 16 15:23	0° ≈	
retrograde	1787 Nov 28 21:00	27° © 16'05			1793 Jan 23 18:18	0° ∀	
min. Earth dist.	1788 Jan 03 20:27	18° 9 53'56	0.63314 AU		1793 Mar 03 04:22	0 ° Υ	
opposition	1788 Jan 07 19:56	17° © 18'22	4°03'39	evening set	1793 Mar 11 11:32	6° Y 22'55	
greatest brilliancy	1788 Jan 07 05:11	17° 5 33'08	-1.5m		1793 Apr 11 18:39	9° 8	

asc. node	1793 May 04 02:18	16° 8 21'14			1797 Dec 01 00:36	0°M	
	1500 1 10 15 00	222112112	000 (10 5		1798 Jan 16 06:04	0° ∡ 7	
conjunction	1793 May 13 15:09	23° 8 12'45	0°06'05	desc. node	1798 Feb 23 21:52	25° ₹ 07'59	
minimum elong	1793 May 13 14:44 1793 May 12 15:21	23° 8 12'00	0°06'06		1798 Mar 03 10:19	0°る	
behind sun begin behind sun end	1793 May 12 13.21 1793 May 14 14:07	22° 8 30'11 23° 8 53'47			1798 Apr 19 14:46 1798 Jun 11 18:44	0 ≈ 0° ∀	
bening sun eng	1793 May 14 14.07 1793 May 23 04:16	23 O 3347 0° I		retrograde	1798 Aug 01 06:43	14°)(01'01	
max. Earth dist.	1793 May 23 04.16 1793 Jun 20 03:58	0 Ⅱ 19° Ⅱ 27'49	2.52967 AU	min. Earth dist.	1798 Aug 01 00:43 1798 Aug 29 09:00	9° \(\) 25'15	0.37535 AU
max. Earm dist.	1793 Jul 20 05:38 1793 Jul 05 16:47	19 11 2749	2.32907 AU	opposition	1798 Aug 31 23:48	8°) (42'51	
morning rise	1793 Jul 09 08:08	2° 5 26'36		greatest brilliancy	1798 Aug 31 14:08	8°) (4231	
morning risc	1793 Jul 09 08:08 1793 Aug 20 09:04	2 3 20 30		direct	1798 Sep 30 11:46	3°) (46'58	-2.9111
	1793 Oct 07 06:14	0° m		direct	1798 Dec 13 21:39	0° Υ	
	1793 Nov 27 06:00	0∘ ಹ		asc. node	1798 Dec 24 22:46	6°Υ17'55	
	1794 Jan 26 08:14	o° m .		use. Houe	1799 Feb 01 23:08	0°8	
retrograde	1794 Mar 18 10:45	12°ML11'21			1799 Mar 21 10:50	0°II	
opposition	1794 Apr 24 06:03	4°ML13'23	1°12'49		1799 May 07 20:55	0°50	
greatest brilliancy	1794 Apr 24 14:49	4°ML05'15	-1.8m		1799 Jun 24 13:49	$0^{\circ}\Omega$	
min. Earth dist.	1794 May 01 11:53	1°M32'02	0.56776 AU	evening set	1799 Jul 31 21:03	23° Ω 29'17	
min. Barur dige.	1794 May 05 19:48	30°R ≏	0.00770110	evening sec	1799 Aug 11 03:57	0° m)	
desc. node	1794 May 21 23:52	25° £ 43'46		max. Earth dist.	1799 Sep 04 06:29	15° mp 21'13	2.66384 AU
direct	1794 Jun 03 12:20	24° £ 39'36			· · · · · · · · · · · · · · · · · · ·		
	1794 Jul 03 15:50	0° M		conjunction	1799 Sep 15 09:47	22° m 30'15	0°56'58
	1794 Sep 01 05:32	0° ∡ 7		minimum elong	1799 Sep 15 10:50	22° m/31'56	
	1794 Oct 15 07:19	0° ろ			1799 Sep 27 00:15	0∘ ⊽	
	1794 Nov 24 11:10	0° ≈		morning rise	1799 Oct 29 23:54	21° ≏ 36'33	
	1795 Jan 02 08:53	0°) €		C	1799 Nov 11 14:31	0°M	
	1795 Feb 10 11:44	$0^{\circ}\Upsilon$			1799 Dec 25 17:48	0° ≯	
asc. node	1795 Mar 22 01:01	29° Ƴ 27'11		desc. node	1800 Jan 11 21:54	11° х 56′30	
	1795 Mar 22 19:00	0°8			1800 Feb 06 11:32	8°0	
	1795 May 03 20:51	$\Pi^{\circ}0$			1800 Mar 20 01:58	0° ≈	
evening set	1795 May 10 01:57	4° Ⅱ 18'49			1800 Apr 30 02:32	0° ∀	
-	1795 Jun 16 21:32	0°€			1800 Jun 10 18:54	0° Y	
					1800 Jul 26 10:32	9° 8	
conjunction	1795 Jul 02 03:08	10° © 06'00	0°53'39	retrograde	1800 Oct 03 05:09	25° 8 01'51	
minimum elong	1795 Jul 02 01:39	10° © 03'33	0°53'37	min. Earth dist.	1800 Oct 31 20:17	19° 8 21'46	0.47706 AU
max. Earth dist.	1795 Jul 19 21:06	21°5643'08	2.62787 AU	opposition	1800 Nov 09 00:55	16° 8 25'39	-0°09'23
	1795 Aug 01 15:54	0 \circ Ω		greatest brilliancy	1793 Oct 05 20:18	29° Ω 08'09	1.6m
morning rise	1795 Aug 19 14:21	11° Ω 30'57		asc. node	1800 Nov 11 21:23	15° 8 24'49	
	1795 Sep 17 17:23	O° Mp		direct	1800 Dec 12 10:11	9° 8 26'15	
	1795 Nov 04 18:33	0∘ ⊽			1801 Feb 17 22:44	Π $^{\circ}0$	
	1795 Dec 24 03:03	0° M ₊			1801 Apr 14 15:18	0 \circ	
	1796 Feb 14 21:02	0°⊀			1801 Jun 04 13:33	0 ° Ω	
desc. node	1796 Apr 07 22:43	24° ₰ 02'57			1801 Jul 23 13:19	0° m	
	1796 May 02 20:53	0° ろ		evening set	1801 Sep 07 01:13	28° m 52'31	
retrograde	1796 May 13 09:16	0° る 39'35			1801 Sep 08 18:53	0∘ ⊽	
	1796 May 23 17:03	30°R. ✓		max. Earth dist.	1801 Sep 29 15:35	13° ≏ 39'40	2.60133 AU
opposition	1796 Jun 15 02:15	24° × ⁷ 34'42					
greatest brilliancy	1796 Jun 16 02:24	24° 🖈 15'37		conjunction	1801 Oct 23 12:53	29° Ω 39'34	
min. Earth dist.	1796 Jun 23 02:26	22°×703'46	0.43830 AU	minimum elong	1801 Oct 23 13:39	29° £ 40'52	0°21'32
direct	1796 Jul 20 13:48	17° ∡ 14'28			1801 Oct 24 00:57	0°M	
	1796 Sep 05 01:51	5°0		desc. node	1801 Nov 29 20:32	25°M28'27	
	1796 Oct 25 05:01	0° ₩			1801 Dec 06 05:56	0°×7 20.700115	
	1796 Dec 06 19:45	0° Υ		morning rise	1801 Dec 10 11:12	3°渘00'15 0°る	
asc. node	1797 Jan 17 06:09 1797 Feb 05 23:24	0° γ 14° Υ 09'42			1802 Jan 16 14:40 1802 Feb 25 13:16	0° ≈	
asc. node	1797 Feb 03 23.24 1797 Feb 28 08:02	0° 8				0 ≈ 0° ∀	
	1797 Apr 12 19:53	0°U			1802 Apr 05 16:23 1802 May 14 20:27	0° Υ	
	1797 Apr 12 19.33 1797 May 27 21:58	0°9			1802 Jun 24 05:29	0° 8	
evening set	1797 May 27 21.38 1797 Jun 23 08:21	0 55 17°5510'42			1802 Juli 24 03:29 1802 Aug 06 18:29	0°II	
ovening set	1797 Jul 13 06:57	0°Ω			1802 Sep 28 18:40	0°9	
	177 301 13 00.37	· 06		asc. node	1802 Sep 28 18:40 1802 Sep 29 20:13	0°\$28'50	
conjunction	1797 Aug 09 21:13	17° Ω 37'18	1°08'59	retrograde	1802 Nov 15 12:05	12° © 28'58	
minimum elong	-			min. Earth dist.	1802 Nov 13 12:03 1802 Dec 19 14:37	4°945'20	0.59883 AU
	1797 Aug 09 21-10	170()27112					0.27002 AU
_	1797 Aug 09 21:10	17° Ω 37'13	1°08'59 2.67311 AU				
max. Earth dist.	1797 Aug 12 06:26	19° Ω 08′24	2.67311 AU	greatest brilliancy	1802 Dec 24 07:56	2° © 53'01	-1.7m
max. Earth dist.	1797 Aug 12 06:26 1797 Aug 29 07:51	19° ん 08′24 0° ™			1802 Dec 24 07:56 1802 Dec 25 01:03	2°\$53'01 2°\$36'00	
_	1797 Aug 12 06:26	19° Ω 08′24		greatest brilliancy	1802 Dec 24 07:56	2° © 53'01	-1.7m

	1803 Mar 06 10:29	0°95			1808 Apr 20 04:24	0°B	
	1803 May 11 18:31	$0^{\circ}\Omega$		asc. node	1808 May 21 17:40	23° 8 05'27	
	1803 Jul 03 11:45	0° ™			1808 May 31 09:58	$\Pi^{\circ}0$	
	1803 Aug 21 00:03	0∘ ⊽		max. Earth dist.	1808 Jun 05 15:00	3° Ⅱ 41′02	2.47917 AU
	1803 Oct 05 11:24	0° M		morning rise	1808 Jun 21 05:05	14° Ⅱ 33'57	
evening set	1803 Oct 17 18:21	8°M25'54			1808 Jul 13 20:10	0ංම	
desc. node	1803 Oct 17 18:52	8°M26'47			1808 Aug 28 15:23	$0^{\circ}\Omega$	
max. Earth dist.	1803 Nov 01 13:53	18° M 46'50	2.49152 AU		1808 Oct 16 05:27	0° m p	
	1803 Nov 17 07:41	0° ∡ ¹			1808 Dec 08 19:19	0∘ ⊽	
				retrograde	1809 Mar 02 03:32	27° ≙ 14'21	
conjunction	1803 Dec 08 06:24	15° ∡ 16'17	-0°30'32	opposition	1809 Apr 09 01:10	18° ≏ 46′08	2°23'26
minimum elong	1803 Dec 08 04:56	15° ∡ 13'34	0°30'31	greatest brilliancy	1809 Apr 09 14:25	18° ≏ 33'30	-1.6m
	1803 Dec 28 00:10	0°ಕ		min. Earth dist.	1809 Apr 15 00:34	16° ≏ 29'21	0.60882 AU
morning rise	1804 Feb 04 03:14	29° る 12'10		direct	1809 May 20 01:25	8° ≙ 53'27	
	1804 Feb 05 03:53	0° ≈		desc. node	1809 Jun 08 15:06	11° ⊆ 10'50	
	1804 Mar 14 12:59	0° \			1809 Jul 26 01:08	0° M	
	1804 Apr 22 00:01	0° Υ			1809 Sep 13 12:11	0° ∡ ¹	
	1804 May 31 11:00	0° B			1809 Oct 25 19:32	0° ප	
,	1804 Jul 11 22:19	0° П			1809 Dec 04 06:42	0° ≈	
asc. node	1804 Aug 16 20:08	24° Ⅱ 13'41			1810 Jan 11 18:03	0° ℋ 0° Ƴ	
	1804 Aug 25 20:40	0°©			1810 Feb 19 11:54		
	1804 Oct 17 07:10	0°Ω		4.	1810 Mar 31 10:26	0°8	
retrograde	1804 Dec 20 07:35	19° Ω 06'10 9° Ω 53'21	0.66747.AII	asc. node	1810 Apr 08 17:23	6° 8 04'25	
min. Earth dist.	1805 Jan 27 20:38	9° Ω 13'53	0.66747 AU 4°31'43	evening set	1810 Apr 20 00:39	14° 8 15'44 0° I I	
opposition greatest brilliancy	1805 Jan 29 11:59 1805 Jan 29 04:50	9° Ω 21'03			1810 May 12 04:00	υщ	
greatest offinancy	1805 Mar 03 05:32	9 8 € 21 03	-1.5111	conjunction	1810 Jun 15 12:41	23° Ⅱ 40'17	0°39'11
direct	1805 Mar 10 11:55	29° © 39'52		minimum elong	1810 Jun 15 11:02	23° I I37'31	0°39'11
direct	1805 Mar 18 00:38	0°Ω		minimum ciong	1810 Jun 24 22:15	0°95	0 3909
	1805 Jun 08 05:37	0° m/y		max. Earth dist.	1810 Jul 10 09:38	10°9518'03	2.59549 AU
	1805 Jul 30 14:08	0∘ ত الأس		morning rise	1810 Aug 05 12:21	27° 5 22'29	2.37347 AO
desc. node	1805 Sep 03 17:53	22° ₽ 23'05		morning rise	1810 Aug 09 13:52	0° Ω	
4000. 11040	1805 Sep 15 04:26	0°M			1810 Sep 25 19:51	o°mp	
	1805 Oct 28 04:22	0° ⊼ ⊓			1810 Nov 13 15:31	0∘ ⊽	
evening set	1805 Dec 07 04:29	29° х 40′26			1811 Jan 04 04:47	0° M .	
C	1805 Dec 07 14:47	ರ°0			1811 Mar 06 21:10	0° ∡ ¹	
	1806 Jan 15 09:26	0° ≈		retrograde	1811 Apr 20 10:13	9° ∡ ¹44'34	
max. Earth dist.	1806 Jan 23 02:06	6°≈02'45	2.37287 AU	desc. node	1811 Apr 26 14:28	9° ∡ ³30′10	
				opposition	1811 May 24 23:15	2° ∡ ¹48'49	-1°25'48
conjunction	1806 Feb 07 22:02	18° ≈ 31'48	-1°04'52	greatest brilliancy	1811 May 25 09:51	2° ∡ ³39'41	-2.2m
minimum elong	1806 Feb 07 22:11	18° ≈ 32'06	1°04'51	min. Earth dist.	1811 Jun 02 09:46	29°M55'02	0.49034 AU
	1806 Feb 22 10:25	0° ∀			1811 Jun 02 03:48	30°RM	
	1806 Apr 01 15:56	0° Y		direct	1811 Jul 01 21:37	24°M18'26	
morning rise	1806 Apr 19 13:41	13° Y '48'47			1811 Aug 01 04:07	0° ∡ ¹	
	1806 May 10 22:40	0° 8			1811 Sep 27 00:33	0°₹	
	1806 Jun 21 00:50	Π °0			1811 Nov 09 02:41	0° ≈	
asc. node	1806 Jul 04 19:15	9° Ⅱ 41′05			1811 Dec 19 11:11	0° ∀	
	1806 Aug 03 15:00	0°®			1812 Jan 28 14:27	0° Υ	
	1806 Sep 19 15:12	$0^{\circ}\Omega$		asc. node	1812 Feb 24 15:59	19° Y 51′05	
	1806 Nov 12 03:46	0° m)			1812 Mar 09 18:00	0°8	
retrograde	1807 Jan 23 20:56	22° m) 24'57	4000127		1812 Apr 21 12:44	0°II	
opposition	1807 Mar 04 12:25	13° Mp 02'56	4°09'27		1812 Jun 05 02:22	0°€	
greatest brilliancy	1807 Mar 04 19:50	12° m 55'36		evening set	1812 Jun 07 21:41	1° © 51'08	
min. Earth dist.	1807 Mar 06 18:13	12° Mp 09'42	0.67102 AU		1812 Jul 21 03:43	0 \circ Ω	
direct	1807 Apr 14 19:41	3° Mp 02'58		ooming -ti	1012 Iv. 27 02 10	20 0 40101	1906122
11-	1807 Jul 05 04:35	0° .		conjunction	1812 Jul 27 02:18	3° Ω 49'01	1°06'33
desc. node	1807 Jul 22 16:58	9° ≙ 43'40 0° I L		minimum elong max. Earth dist.	1812 Jul 27 01:38	3° Ω 47'58 9° Ω 00'34	1°06'33 2.66199 AU
	1807 Aug 24 19:41 1807 Oct 07 22:59	0°11に 0° ス 7		max. Earm dist.	1812 Aug 04 04:43 1812 Sep 06 03:08	9° 3′2 00′34 0° m)	2.00199 AU
	1807 Nov 17 16:00	0° ਨ		morning rise	1812 Sep 06 03:08 1812 Sep 10 22:57	3° Mp 03'54	
	1807 Dec 26 10:39	0°≈		morning 1150	1812 Oct 23 10:50	0∘ ರ ೨ 1103.24	
	1808 Feb 02 11:02	0 ≈ 0° ∺			1812 Dec 09 20:41	0° ™	
evening set	1808 Feb 12 11:02 1808 Feb 13 17:36	8° ¥ 53'17			1813 Jan 26 16:02	0° ⊼ 7	
	1808 Mar 11 17:58	0° Υ		desc. node	1813 Mar 13 14:19	27° ∡ ¹56'26	
	11.00	~ I			1813 Mar 17 02:25	0°る。	
conjunction	1808 Apr 20 15:10	0° 8 20'04	-0°19'56		1813 May 12 19:03	0° ≈	
minimum elong	1808 Apr 20 16:46	0° 8 23'02		retrograde	1813 Jul 01 01:25	12° ≈ 34'41	
	r 10.10	. 0_0 02					

opposition greatest brilliancy min. Earth dist.	1813 Jul 31 06:58 1813 Jul 31 23:14 1813 Aug 03 02:58	7°≈35'43 7°≈24'46 6°≈50'00	-6°41'18 -2.9m 0.37908 AU	max. Earth dist. desc. node	1818 Oct 18 02:45 1818 Nov 03 10:29	3°M50'31 15°M08'12	2.53916 AU
direct	1813 Aug 31 01:06 1813 Nov 13 16:56	2°≈18'34 0° 米	0.57700 110	conjunction minimum elong	1818 Nov 19 01:14 1818 Nov 19 00:49	26°M09'09 26°M08'23	-0°09'25 0°09'25
	1813 Dec 31 00:49	$0^{\circ}\Upsilon$		behind sun begin	1818 Nov 18 07:08	25°M36'57	
asc. node	1814 Jan 11 13:51	7° Y 39'12		behind sun end	1818 Nov 19 18:29	26°M39'52	
	1814 Feb 14 01:19	0°8			1818 Nov 24 10:28	0° ∡	
	1814 Mar 31 08:25	Π °0			1819 Jan 04 08:12	0°ප	
	1814 May 16 14:16	0°©		morning rise	1819 Jan 10 23:09	4° る 58'30	
	1814 Jul 02 15:35	0°N			1819 Feb 12 18:02	0° ≈	
evening set	1814 Jul 18 08:12	9° Ω 56'51			1819 Mar 23 08:39	0°){	
	1814 Aug 18 22:50	0°M)	2 (720(AII		1819 May 01 00:14	$^{\circ \gamma}$	
max. Earth dist.	1814 Aug 27 07:02	5° Mp 18'30	2.67396 AU		1819 Jun 09 16:19 1819 Jul 21 14:04	0°B 0°B	
conjunction	1814 Sep 02 07:04	9° m 07'59	1°04'34	asc. node	1819 Sep 03 12:02	28° ∏ 33'05	
minimum elong	1814 Sep 02 07:48	9° m 09'09	1°04'34	asc. node	1819 Sep 05 21:45	0°95	
minimum ciong	1814 Oct 04 19:33	0∘ ⊽	1 0434		1819 Nov 06 03:39	0° U	
morning rise	1814 Oct 16 14:52	ი_ 7° _ 38'50		retrograde	1819 Dec 07 19:35	5° Ω 43'31	
	1814 Nov 19 17:25	0°M			1820 Jan 06 01:40	30°Rூ	
	1815 Jan 03 11:59	0° ∡ ″		min. Earth dist.	1820 Jan 13 18:13	27° © 02'08	0.64811 AU
desc. node	1815 Jan 29 13:12	17° ∡ ′48′19		opposition	1820 Jan 16 21:54	25° 5 46'10	4°18'17
	1815 Feb 16 04:35	ರ°0		greatest brilliancy	1820 Jan 16 09:28	25° © 58'40	-1.4m
	1815 Mar 31 02:02	0° ≈		direct	1820 Feb 25 00:53	16° 5 29'46	
	1815 May 12 21:56	0°) €			1820 Apr 19 11:41	0 \circ Ω	
	1815 Jun 27 00:25	$0^{\circ}\Upsilon$			1820 Jun 18 05:40	0° ™	
	1815 Sep 02 11:34	0°8			1820 Aug 07 13:21	0∘ ⊽	
retrograde	1815 Sep 12 22:23	0° 8 46'43		desc. node	1820 Sep 20 09:20	28° ≏ 31'11	
	1815 Sep 23 06:54	30°₹ Υ			1820 Sep 22 13:56	0° M	
min. Earth dist.	1815 Oct 09 19:35	25° Y 55'43	0.42566 AU		1820 Nov 04 11:24	0° 🗷	
opposition	1815 Oct 17 15:12	23°Y23'06		evening set	1820 Nov 15 06:12	7°×750'23	2 41222 ATT
greatest brilliancy direct	1815 Oct 16 23:26 1815 Nov 18 00:29	23° Υ 35'58 17° Υ 19'35	-2.6m	max. Earth dist.	1820 Dec 04 01:39 1820 Dec 14 23:27	21°ズ46'30 0°る	2.41232 AU
asc. node	1815 Nov 29 13:43	17 γ 1933 18° γ′ 10'17			1620 Dec 14 23.27	0.0	
asc. nouc	1816 Jan 06 13:39	0°8		conjunction	1821 Jan 11 22:23	21° る 28'25	-0°58'29
	1816 Mar 04 05:04	0°II		minimum elong	1821 Jan 11 20:24	21° る 24'34	0°58'28
	1816 Apr 24 00:28	0.ee			1821 Jan 22 20:57	0° ≈	0 20 20
	1816 Jun 12 07:01	$0^{\circ}\Omega$					
					1821 Mar 02 00:16	0° ∀	
	1816 Jul 30 14:25	0° mp		morning rise	1821 Mar 02 00:16 1821 Mar 20 04:33	0° 兴 14° 兴 18′21	
evening set	1816 Jul 30 14:25 1816 Aug 23 11:57			morning rise			
evening set		0° m		morning rise	1821 Mar 20 04:33	14° ¥ 18′21	
evening set max. Earth dist.	1816 Aug 23 11:57	0° ሙ 15 ° ሙ 07'34	2.63191 AU	morning rise	1821 Mar 20 04:33 1821 Apr 09 06:44	14° ¥ 18'21 0° Υ	
	1816 Aug 23 11:57 1816 Sep 15 14:53	0° Mp 15° Mp 07'34 0° <u>Ω</u>	2.63191 AU	morning rise	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34	14°¥18'21 0° ° 0° ∀ 0° Ⅱ 15° Ⅱ 50'44	
max. Earth dist.	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43	0° നു 15° നു 07'34 0° മ 2° മ 26'41 14° മ 49'03	0°37'47	-	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23	14°¥18′21 0°Υ 0°Β 0°Π 15°∏50′44 0°©	
max. Earth dist.	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49	0°ആ 15°ആ07'34 0°ഇ 2°ഇ26'41 14°ഇ49'03 14°ഇ50'51		-	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32	14°¥18'21 0°♥ 0°♥ 0°Ⅱ 15°Ⅱ50'44 0°© 0°Ω	
max. Earth dist. conjunction minimum elong	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54	0° നു 15° നു07'34 0° മ 2° മ26'41 14° മ49'03 14° മ50'51 0° M	0°37'47	asc. node	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34	14°¥18'21 0°°Y 0°8 0°1 15°150'44 0°\$ 0°\$ 0°\$ 0°\$	
max. Earth dist.	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14	0° ነው 15° ነው 07'34 0° <u>ឆ</u> 2° <u>ឆ</u> 26'41 14° <u>ឆ</u> 49'03 14° <u>ឆ</u> 50'51 0° ነሌ 15° ነሌ 56'38	0°37'47	asc. node	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05	14° ¥ 18'21 0° Y 0° 8 0° II 15° II 50'44 0° © 0° Ω 0° Ω 9° Mp 43'11	4005111.0
max. Earth dist. conjunction minimum elong morning rise	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03	0° m 15° m 07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° M 15° M 56'38 0° 7	0°37'47	asc. node retrograde opposition	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41	14° ¥ 18'21 0° Y 0° 8 0° II 15° II 50'44 0° © 0° R 0° R 9° M 43'11 0° M 06'42	
max. Earth dist. conjunction minimum elong	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50	0° m 15° m 07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° M 15° M 56'38 0° ズ 2° ズ 08'19	0°37'47	asc. node	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42	14° ¥ 18'21 0° Y 0° 8 0° II 15° II 50'44 0° © 0° R 0° R 9° M 43'11 0° M 06'42 0° M 04'42	
max. Earth dist. conjunction minimum elong morning rise	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16	0° നു 15° നു 07'34 0° <u>മ</u> 2° <u>മ</u> 26'41 14° <u>മ</u> 49'03 14° <u>മ</u> 50'51 0° സ 15° N 56'38 0° 🖈 2° 🖈 08'19	0°37'47	asc. node retrograde opposition greatest brilliancy	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25	14° ¥ 18'21 0° ↑ 0° ¥ 0° Ⅱ 15° Ⅱ 50'44 0° © 0° Ω 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° RΩ	-1.3m
max. Earth dist. conjunction minimum elong morning rise	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03	0° m 15° m 07'34 0° <u>a</u> 2° <u>a</u> 26'41 14° <u>a</u> 49'03 14° <u>a</u> 50'51 0° m 15° m 56'38 0° చ 2° చె08'19 0° చ	0°37'47	asc. node retrograde opposition greatest brilliancy min. Earth dist.	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06	14° ¥ 18'21 0° ♥ 0° ¥ 0° II 15° II 50'44 0° © 0° N 9° M 43'11 0° M 06'42 0° M 06'42 30° R A 29° A 49'21	
max. Earth dist. conjunction minimum elong morning rise	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48	0° m 15° m 07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° ズ 2° ズ 08'19 0° ℧ 0° ※ 0° 沃	0°37'47	asc. node retrograde opposition greatest brilliancy	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33	14° ¥ 18'21 0° ♥ 0° ¥ 0° II 15° II 50'44 0° © 0° N 0° M 9° M 43'11 0° M 06'42 0° M 04'42 30° R A 29° A 49'21 20° A 13'49	-1.3m
max. Earth dist. conjunction minimum elong morning rise	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54	0° m 15° m 07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° 🗷 2° 🗷 08'19 0° ጜ 0° ጕ 0° ጕ 0° ጕ 0° ጕ	0°37'47	asc. node retrograde opposition greatest brilliancy min. Earth dist.	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50	14° ¥ 18'21 0° ♥ 0° ¥ 0° II 15° II 50'44 0° © 0° N 0° M 9° M 43'11 0° M 06'42 0° M 04'42 30° R A 29° A 49'21 20° A 13'49 0° M	-1.3m
max. Earth dist. conjunction minimum elong morning rise	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29	0° m 15° m 07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° 🗷 2° 🗷 08'19 0° ጜ 0° ጕ 0° ጕ 0° ጕ 0° ጕ	0°37'47	asc. node retrograde opposition greatest brilliancy min. Earth dist.	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38	14° ¥ 18'21 0° ♥ 0° ¥ 0° II 15° II 50'44 0° © 0° N 9° M 43'11 0° M 06'42 0° M 04'42 30° R A 29° A 49'21 20° A 13'49 0° M 0° M	-1.3m
max. Earth dist. conjunction minimum elong morning rise	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54	0° m 15° m 07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° 🗷 2° 🗷 08'19 0° ጜ 0° ጕ 0° ጕ 0° ጕ 0° ጕ	0°37'47	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50	14° ¥ 18'21 0° ♥ 0° ¥ 0° II 15° II 50'44 0° © 0° N 0° M 9° M 43'11 0° M 06'42 0° M 04'42 30° R A 29° A 49'21 20° A 13'49 0° M	-1.3m
max. Earth dist. conjunction minimum elong morning rise desc. node	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29 1817 Aug 19 14:22	0° ነው 15° ነው 07'34 0° <u>ዓ</u> 2° <u>ዓ</u> 26'41 14° <u>ዓ</u> 49'03 14° <u>ዓ</u> 50'51 0° ነሌ 15° ነሌ 56'38 0° *7 2° *708'19 0° ነር 0° ነር	0°37'47	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21	14° ¥ 18'21 0° ♥ 0° ₭ 0° ₭ 15° № 50'44 0° © 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° ₭ ₤ 29° £ 49'21 20° £ 13'49 0° № 0° £ 14° £ 03'41	-1.3m
max. Earth dist. conjunction minimum elong morning rise desc. node	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29 1817 Aug 19 14:22 1817 Oct 16 13:48	0° ነው 15° ነው 07'34 0° ፡ ፡ ፡ ፡ ፡ ፡ 2° • 26'41 14° •	0°37'47	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21 1822 Sep 02 06:17	14° ★ 18'21 0° ♥ 0° ₭ 0° ₭ 15° ₭ 50'44 0° \$ 0° ₭ 0° ₩ 9° № 43'11 0° № 06'42 0° № 04'42 30° ₭ ₭ 29° £ 49'21 20° £ 13'49 0° № 0° £ 14° £ 03'41 0° №	-1.3m
max. Earth dist. conjunction minimum elong morning rise desc. node asc. node	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29 1817 Aug 19 14:22 1817 Oct 16 13:48 1817 Oct 30 23:58	0° ነው 15° ነው 07'34 0° ፡ ፡ ፡ ፡ ፡ 2° ፡ 26'41	0°37'47 0°37'47	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21 1822 Sep 02 06:17 1822 Oct 15 19:09	14° ★ 18'21 0° ↑ 0° ₺ 0° Ⅱ 15° Ⅱ 50'44 0° ⑤ 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° № 29° № 49'21 20° № 13'49 0° № 0° № 14° № 03'41 0° №	-1.3m
max. Earth dist. conjunction minimum elong morning rise desc. node asc. node retrograde min. Earth dist. opposition greatest brilliancy	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29 1817 Aug 19 14:22 1817 Oct 16 13:48 1817 Oct 30 23:58 1817 Dec 02 00:56 1817 Dec 08 03:50	0° m 15° m07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° ¾ 2° ¾ 08'19 0° ☒ 0° ¥ 0° ¥ 0° ¥ 0° ¥ 0° ¥ 124° ∏ 38'40 26° ∏ 02'44 19° ∏ 03'24 16° ∏ 25'48 16° ∏ 40'55	0°37'47 0°37'47 0.55563 AU	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21 1822 Sep 02 06:17 1822 Oct 15 19:09 1822 Nov 25 08:02 1823 Jan 03 01:48 1823 Jan 16 10:08	14° ¥ 18'21 0° Y 0° ℧ 0° Ⅱ 15° Ⅲ 50'44 0° ⑤ 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° ₨ 29° № 49'21 20° № 13'49 0° № 0° № 14° № 03'41 0° № 0° № 0° № 10° ※ 10° ≈ 30'50	-1.3m
max. Earth dist. conjunction minimum elong morning rise desc. node asc. node retrograde min. Earth dist. opposition	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29 1817 Aug 19 14:22 1817 Oct 16 13:48 1817 Oct 30 23:58 1817 Dec 08 03:50 1818 Jan 13 18:14	0° m 15° m 07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° ズ 2° ズ 08'19 0° ℧ 0° ϒ 0° ϒ 0° ϒ 0° ϒ 124° Π 38'40 26° Π 02'44 19° Π 03'24 16° Π 25'48 16° Π 40'55 8° Π 18'44	0°37'47 0°37'47 0.55563 AU 2°25'06	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct desc. node	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21 1822 Sep 02 06:17 1822 Oct 15 19:09 1822 Nov 25 08:02 1823 Jan 03 01:48 1823 Jan 16 10:08 1823 Feb 10 01:39	14° ★ 18'21 0° ♥ 0° ₺ 0° Ⅱ 15° Ⅲ 50'44 0° ⑤ 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° ₨ 29° № 49'21 20° № 13'49 0° № 0° № 14° № 03'41 0° № 0° ₺ 0° ₺ 10° ≈ 30'50 0° ★	-1.3m
max. Earth dist. conjunction minimum elong morning rise desc. node asc. node retrograde min. Earth dist. opposition greatest brilliancy	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29 1817 Aug 19 14:22 1817 Oct 16 13:48 1817 Oct 30 23:58 1817 Dec 08 03:50 1818 Jan 13 18:14 1818 Mar 26 05:06	0° m 15° m07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° ¾ 2° ¾ 08'19 0° ੴ 0° ₩ 0° ϒ 0° ϒ 0° ϒ 0° ϒ 124° Π38'40 26° Π02'44 19° Π03'24 16° Π25'48 16° Π40'55 8° Π18'44 0° ©	0°37'47 0°37'47 0.55563 AU 2°25'06	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct desc. node	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21 1822 Sep 02 06:17 1822 Oct 15 19:09 1822 Nov 25 08:02 1823 Jan 03 01:48 1823 Jan 16 10:08	14° ¥ 18'21 0° Y 0° ℧ 0° Ⅱ 15° Ⅲ 50'44 0° ⑤ 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° ₨ 29° № 49'21 20° № 13'49 0° № 0° № 14° № 03'41 0° № 0° № 0° № 10° ※ 10° ≈ 30'50	-1.3m
max. Earth dist. conjunction minimum elong morning rise desc. node asc. node retrograde min. Earth dist. opposition greatest brilliancy	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29 1817 Aug 19 14:22 1817 Oct 16 13:48 1817 Oct 30 23:58 1817 Dec 02 00:56 1817 Dec 08 03:50 1818 Jan 13 18:14 1818 Mar 26 05:06 1818 May 21 11:51	0° m 15° m07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° ¾ 2° ¾08'19 0° ੴ 0° ₩ 0° ዅ 0° ₩ 0° ዅ 0° ₩ 124° Π38'40 26° Π02'44 19° Π03'24 16° Π25'48 16° Π40'55 8° Π18'44 0° © 0° Ω	0°37'47 0°37'47 0.55563 AU 2°25'06	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct desc. node	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21 1822 Sep 02 06:17 1822 Oct 15 19:09 1822 Nov 25 08:02 1823 Jan 03 01:48 1823 Jan 16 10:08 1823 Feb 10 01:39 1823 Mar 20 07:05	14° ¥ 18'21 0° ♥ 0° ₺ 0° Ⅱ 15° Ⅲ 50'44 0° ⑤ 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° № 29° № 49'21 20° № 13'49 0° № 0° № 14° \$\$\text{\$	-1.3m 0.67753 AU
max. Earth dist. conjunction minimum elong morning rise desc. node asc. node retrograde min. Earth dist. opposition greatest brilliancy	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29 1817 Aug 19 14:22 1817 Oct 16 13:48 1817 Oct 30 23:58 1817 Dec 02 00:56 1817 Dec 08 19:22 1817 Dec 08 03:50 1818 Jan 13 18:14 1818 Mar 26 05:06 1818 May 21 11:51 1818 Jul 11 06:34	0° m 15° m07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° ¾ 2° ¾ 08'19 0° ♂ 0° ₩ 0° ϒ 0° ϒ 0° ϒ 0° ϒ 124° Π38'40 26° Π02'44 19° Π03'24 16° Π25'48 16° Π40'55 8° Π18'44 0° © 0° № 0° №	0°37'47 0°37'47 0.55563 AU 2°25'06	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct desc. node evening set	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21 1822 Sep 02 06:17 1822 Oct 15 19:09 1822 Nov 25 08:02 1823 Jan 03 01:48 1823 Jan 16 10:08 1823 Mar 20 07:05	14° ¥ 18'21 0° ♥ 0° ₺ 0° Ⅲ 15° Ⅲ 50'44 0° ⑤ 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° № 29° № 49'21 20° № 13'49 0° № 0° № 14° \$\text{\te\	-1.3m 0.67753 AU -0°45'13
max. Earth dist. conjunction minimum elong morning rise desc. node asc. node retrograde min. Earth dist. opposition greatest brilliancy direct	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 Apr 14 08:48 1817 Aug 19 14:22 1817 Oct 16 13:48 1817 Oct 30 23:58 1817 Dec 02 00:56 1817 Dec 08 19:22 1817 Dec 08 03:50 1818 Jan 13 18:14 1818 Mar 26 05:06 1818 May 21 11:51 1818 Jul 11 06:34 1818 Aug 28 03:41	0° ነው 15° ነው 07'34 0° ፡ ፡ ፡ ፡ ፡ ፡ 2° • 26'41 14° •	0°37'47 0°37'47 0.55563 AU 2°25'06	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct desc. node	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21 1822 Sep 02 06:17 1822 Oct 15 19:09 1822 Nov 25 08:02 1823 Jan 03 01:48 1823 Jan 16 10:08 1823 Mar 25 10:16 1823 Mar 25 10:16	14° ★ 18'21 0° ♥ 0° ₺ 0° Ⅱ 15° Ⅱ 50'44 0° ₺ 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° ₭ № 29° № 49'21 20° ₤ 13'49 0° № 0° ₤ 14° ₤ 03'41 0° № 0° ₺ 0° ₺ 0° ₺ 10° ≈ 30'50 0° ₭ 0° ♥	-1.3m 0.67753 AU -0°45'13
max. Earth dist. conjunction minimum elong morning rise desc. node asc. node retrograde min. Earth dist. opposition greatest brilliancy	1816 Aug 23 11:57 1816 Sep 15 14:53 1816 Sep 19 09:09 1816 Oct 08 05:43 1816 Oct 08 06:49 1816 Oct 30 22:54 1816 Nov 23 07:14 1816 Dec 13 11:03 1816 Dec 16 11:50 1817 Jan 24 06:16 1817 Mar 05 17:03 1817 Apr 14 08:48 1817 May 24 02:54 1817 Jul 04 10:29 1817 Aug 19 14:22 1817 Oct 16 13:48 1817 Oct 30 23:58 1817 Dec 02 00:56 1817 Dec 08 19:22 1817 Dec 08 03:50 1818 Jan 13 18:14 1818 Mar 26 05:06 1818 May 21 11:51 1818 Jul 11 06:34	0° m 15° m07'34 0° Ω 2° Ω 26'41 14° Ω 49'03 14° Ω 50'51 0° m 15° m 56'38 0° ¾ 2° ¾ 08'19 0° ♂ 0° ₩ 0° ϒ 0° ϒ 0° ϒ 0° ϒ 124° Π38'40 26° Π02'44 19° Π03'24 16° Π25'48 16° Π40'55 8° Π18'44 0° © 0° № 0° №	0°37'47 0°37'47 0.55563 AU 2°25'06	asc. node retrograde opposition greatest brilliancy min. Earth dist. direct desc. node evening set	1821 Mar 20 04:33 1821 Apr 09 06:44 1821 May 18 13:34 1821 Jun 28 16:41 1821 Jul 21 10:58 1821 Aug 11 13:23 1821 Sep 28 16:32 1821 Nov 27 08:34 1822 Jan 10 07:05 1822 Feb 19 06:41 1822 Feb 19 08:42 1822 Feb 19 13:25 1822 Feb 20 00:06 1822 Apr 01 05:33 1822 May 16 02:50 1822 Jul 15 20:38 1822 Aug 08 08:21 1822 Sep 02 06:17 1822 Oct 15 19:09 1822 Nov 25 08:02 1823 Jan 03 01:48 1823 Jan 16 10:08 1823 Mar 20 07:05	14° ¥ 18'21 0° ♥ 0° ₺ 0° Ⅱ 15° Ⅱ 50'44 0° ₤ 0° № 9° № 43'11 0° № 06'42 0° № 04'42 30° ₨ 29° № 49'21 20° № 13'49 0° № 0° ₤ 14° ₤ 03'41 0° № 0° ₺ 0° ₺ 10° ≈ 30'50 0° ¥ 0° ♥ 3° ♥ 58'34 4° ♥ 04'47 0° ₺	-1.3m 0.67753 AU -0°45'13

morning rise	1823 May 31 06:09	23° 8 56'10		direct	1828 Aug 03 22:49	2° る 34'40	
asc. node	1823 Jun 08 10:30	29° 8 47'18			1828 Oct 15 18:42	0° ≈	
	1823 Jun 08 17:39	$\Pi^{\circ}0$			1828 Nov 30 05:03	0° ∀	
	1823 Jul 22 02:53	0ം ഉ			1829 Jan 11 20:43	$0^{\circ}\mathbf{Y}$	
	1823 Sep 06 04:12	$0^{\circ}\Omega$		asc. node	1829 Jan 28 07:13	11° Υ 35'11	
	=	0° m		asc. node	1829 Feb 23 16:00	0°8	
	1823 Oct 25 21:13						
	1823 Dec 23 15:34	0∘ ⊽			1829 Apr 08 15:19	0° Ⅱ	
retrograde	1824 Feb 15 10:27	13° ≏ 22'07			1829 May 24 01:00	0 \circ \odot	
opposition	1824 Mar 25 04:24	4° £ 29'19	3°15'54	evening set	1829 Jul 03 07:16	25° © 58'15	
greatest brilliancy	1824 Mar 25 17:26	4° ≏ 16'39	-1.4m		1829 Jul 09 14:28	$0 ^{\circ} \Omega$	
min. Earth dist.	1824 Mar 29 17:48	2° £ 43'00	0.64092 AU				
	1824 Apr 06 01:24	30°R, M⊅		conjunction	1829 Aug 19 03:34	25° Ω 49'29	1°08'28
direct	1824 May 05 12:57	24° m/28'12		minimum elong	1829 Aug 19 03:49	25° Ω 49'54	1°08'28
	1824 Jun 06 08:48	0∘ <u>⊽</u>		max. Earth dist.	1829 Aug 18 13:15		2.67573 AU
desc. node	1824 Jun 25 07:43	ა — 7° ჲ 12'42		max. Earth dist.	1829 Aug 25 17:02	0°m)	2.07373710
desc. flode					=	-	
	1824 Aug 07 19:05	0°M		morning rise	1829 Oct 02 16:59	24° m 15'00	
	1824 Sep 23 01:45	0° ∡ ″			1829 Oct 11 16:08	0∘ ত	
	1824 Nov 03 11:30	0°ರ			1829 Nov 27 00:37	0°M₊	
	1824 Dec 12 13:12	0° ≈			1830 Jan 11 15:39	0° ∡ ¹	
	1825 Jan 19 18:15	0° ∀		desc. node	1830 Feb 15 04:42	22° ∡ ′58′17	
	1825 Feb 27 06:02	0 ° $\mathbf{\gamma}$			1830 Feb 25 17:22	0°る	
evening set	1825 Mar 27 06:22	21° Y 18'24			1830 Apr 11 19:06	0° ≈	
8	1825 Apr 07 22:16	0°8			1830 May 28 16:57	0°) €	
asc. node	1825 Apr 25 08:34	12° 8 47'06			1830 Jul 31 20:24	0°Υ	
asc. node		0° Ⅱ		retrograde		2°Υ08'26	
	1825 May 19 09:39	υщ		retrograde	1830 Aug 18 14:37		
		_			1830 Sep 05 13:04	30° ₹	
conjunction	1825 May 26 22:37	5° Ⅱ 17'58		min. Earth dist.	1830 Sep 14 12:03		0.38667 AU
minimum elong	1825 May 26 21:28	5° Ⅱ 15'58	0°19'34	opposition	1830 Sep 19 16:21	26° 升 11′27	-5°13'52
max. Earth dist.	1825 Jun 28 18:51	27° Ⅱ 51'37	2.55536 AU	greatest brilliancy	1830 Sep 18 21:40	26°) €24'56	-2.9m
	1825 Jul 01 23:06	0 \circ \odot		direct	1830 Oct 19 12:49	20°) (59′40	
morning rise	1825 Jul 20 07:20	12° © 13'18			1830 Nov 28 11:11	$0^{\circ}\mathbf{\Upsilon}$	
S	1825 Aug 16 13:51	$0^{\circ}\Omega$		asc. node	1830 Dec 16 05:56	7° Ƴ 57'24	
	1825 Oct 03 03:35	0° m/			1831 Jan 25 15:38	0°8	
	1825 Nov 22 03:03	0∘ ಹ			1831 Mar 16 04:58	0°II	
	1826 Jan 16 16:12	0°M,			1831 May 03 12:51	0°95	
retrograde	1826 Mar 30 05:04	21°M51'02			1831 Jun 20 16:45	$0^{\circ}\Omega$	
opposition	1826 May 05 06:53	14°M12'32			1831 Aug 07 12:13	O° My	
greatest brilliancy	1826 May 05 09:56	14°M09'45	-1.9m	evening set	1831 Aug 10 03:08	1° m 39'31	
min. Earth dist.	1826 May 13 02:13	11°ML22'18	0.54195 AU	max. Earth dist.	1831 Sep 10 17:15	21° m 48'22	2.65470 AU
desc. node	1826 May 13 06:09	11° M .18'49			1831 Sep 23 09:46	0∘ ত	
direct	1826 Jun 13 21:37	4°M55'33					
	1826 Aug 24 13:52	0°₺		conjunction	1831 Sep 24 14:47	0° ჲ 47'03	0°50'52
	1826 Oct 09 17:32	0°ප		minimum elong	1831 Sep 24 15:55		0°50'52
	1826 Nov 19 14:09	0° ≈		g	1831 Nov 07 21:50	0°M	0 0002
		0° ∺		morning rise		0°M26'12	
	1826 Dec 28 20:43			morning rise	1831 Nov 08 13:27		
	1827 Feb 06 05:38	0°Υ			1831 Dec 21 19:39	0° ∡ 7	
asc. node	1827 Mar 13 07:45	26° Y 02'58		desc. node	1832 Jan 03 03:25	8° ∡ ³37'11	
	1827 Mar 18 18:00	0°8			1832 Feb 02 04:47	0°ಕ	
	1827 Apr 30 00:04	$\Pi^{\circ}0$			1832 Mar 14 08:04	0°≈	
evening set	1827 May 22 02:01	15° Ⅱ 09'25			1832 Apr 23 18:14	0° ∀	
	1827 Jun 13 03:58	0 \circ \odot			1832 Jun 03 11:51	0° Υ	
					1832 Jul 16 17:51	0°B	
conjunction	1827 Jul 12 13:25	19° © 20'54	0°59'46		1832 Sep 09 14:51	$\Pi^{\circ}0$	
minimum elong	1827 Jul 12 12:12	19° © 18'55		retrograde	1832 Oct 13 22:24	7° Ⅱ 24'19	
max. Earth dist.	1827 Jul 26 16:19			asc. node		4° ∏ 40'15	
man. Latui Uist.			2.04241 AU		1832 Nov 02 04:54		0.50506.411
	1827 Jul 28 23:46	0°Ω		min. Earth dist.	1832 Nov 12 18:29	1° Ⅱ 14'50	0.50596 AU
morning rise	1827 Aug 28 21:57	19° Ω 48'17			1832 Nov 16 03:41	30° ₹8	
	1827 Sep 13 23:38	0° т р		opposition	1832 Nov 20 14:33	28° 8 19'54	0°56'57
	1827 Oct 31 16:59	0∘ ⊽		greatest brilliancy	1832 Nov 20 07:07	28° 8 26'50	-2.2m
	1827 Dec 19 04:49	0° M.		direct	1832 Dec 24 22:48	20° 8 53'38	
	1828 Feb 07 13:18	0°⊀			1833 Feb 04 18:52	$\Pi^{\circ}0$	
desc. node	1828 Mar 30 05:03	27° ∡ ¹25'27			1833 Apr 07 19:26	0ಂತಾ	
	1828 Apr 04 20:21	0°る			1833 May 30 03:30	$0^{\circ}\Omega$	
retrograde	1828 May 30 13:36	14° る 44'08			1833 Jul 18 16:30	0° m/y	
opposition	1828 Jul 01 02:16	9° ප 08'21	-4°56'59		1833 Sep 04 03:13	0° ت الله	
**				avani	•		
greatest brilliancy	1828 Jul 02 06:07	8° る 47'38		evening set	1833 Sep 15 14:49	7° Ω 28'18	2 50004 411
min. Earth dist.	1828 Jul 07 23:42	1-005'41	0.41235 AU	max. Earth dist.	1833 Oct 06 01:07	∠u° ≥≤ 39'15	2.58094 AU

	1833 Oct 19 10:01	0°M			1838 Sep 14 02:10	$0^{\circ}\Omega$	
					1838 Nov 04 16:38	0°Щ	
conjunction	1833 Nov 01 18:53	9° M .08'41	0°10'49		1839 Jan 25 13:14	0ಂ ರ	
minimum elong	1833 Nov 01 19:19	9° ™ 09'25	0°10'49	retrograde	1839 Jan 31 21:32	0° ჲ 14'30	
behind sun begin	1833 Nov 01 04:00	8°M43'04			1839 Feb 07 01:57	30°R, Mp	
behind sun end	1833 Nov 02 10:38	9°M35'48		opposition	1839 Mar 12 06:34	21° Mp 01'48	3°53'20
desc. node	1833 Nov 20 01:53	21°M53'02		greatest brilliancy	1839 Mar 12 16:28	20° m 52'03	-1.3m
	1833 Dec 01 13:02	0° ∡		min. Earth dist.	1839 Mar 15 08:07	19° m 49'25	0.66314 AU
morning rise	1833 Dec 21 04:04	14° ₹ 08'01		direct	1839 Apr 22 15:54	11° m 00'03	
	1834 Jan 11 17:55	0° ට			1839 Jun 26 21:05	0° ⊽	
	1834 Feb 20 11:53	0° ≈		desc. node	1839 Jul 12 22:58	8° ≏ 15'34	
	1834 Mar 31 10:17	0°) €			1839 Aug 18 22:29	0° M	
	1834 May 09 08:56	0° Υ			1839 Oct 02 16:59	0° ₹	
	1834 Jun 18 09:45	0° X			1839 Nov 12 15:27	ි. ව°0	
	1834 Jul 31 02:40	0°II			1839 Dec 21 12:26	0° ≈ 0° 升	
1-	1834 Sep 18 07:52	0°55			1840 Jan 28 14:12	0° X 25° X 03'42	
asc. node	1834 Sep 20 04:51	0°959'44		evening set	1840 Feb 29 13:22	25°π03'42 0°Υ	
retrograde	1834 Nov 23 20:03	21°932'11	0.61900 ATT		1840 Mar 06 22:09	0° ∀	
min. Earth dist.	1834 Dec 28 23:45	13° © 26'53 11° © 35'29	0.61890 AU 3°50'01		1840 Apr 15 09:35	0.0	
opposition greatest brilliancy	1835 Jan 02 15:22 1835 Jan 01 23:06	11°933'29	-1.6m	agnismation	1940 May 04 14:15	14° 8 08'15	0904151
direct	1835 Feb 09 16:28	2°9541'26	-1.0111	conjunction	1840 May 04 14:15	14° 8 08'54	
direct	1835 May 04 12:49	2 €341 26 0°Ω		minimum elong behind sun begin	1840 May 04 14:36 1840 May 03 13:36	13° 8 23'22	0 04 31
	1835 Jun 28 01:04	0° m p		behind sun end	1840 May 05 15:36	13 8 23 22	
	1835 Aug 16 03:00	0∘ ⊽ رااا		asc. node	1840 May 12 01:52	19° 8 33'51	
	1835 Sep 30 18:59	0° m .		asc. node	1840 May 26 15:59	0° Ⅱ	
desc. node	1835 Oct 08 01:28	4°M57'39		max. Earth dist.	1840 Jun 15 03:06	13° II 38'33	2.50764 AU
evening set	1835 Oct 08 01:28 1835 Oct 27 21:06	18°M44'52		morning rise	1840 Jul 02 09:13	25° II 28'34	2.30704 AU
max. Earth dist.	1835 Nov 11 12:50	29°MJ11'09	2.46312 AU	morning risc	1840 Jul 09 01:46	0°95	
max. Lartii dist.	1835 Nov 12 15:59	0° x ⁷	2.40312710		1840 Aug 23 17:38	$0 {\circ} \Omega$	
	1033 1101 12 13.37	٧ ٨			1840 Oct 10 19:49	0° m)	
conjunction	1835 Dec 20 07:10	27° х 44'36	-0°42'06		1840 Dec 01 15:42	0∘ ಹ ೧.ಗು	
minimum elong	1835 Dec 20 05:11	27° х 40'53			1841 Feb 05 08:45	0° M	
g	1835 Dec 23 06:57	0°ਰ	0 .200	retrograde	1841 Mar 11 18:24	6°ML04'04	
	1836 Jan 31 08:18	0° ≈		ronogrado	1841 Apr 12 06:06	30° R Ω	
morning rise	1836 Feb 19 12:50	15° ≈ 00'16		opposition	1841 Apr 18 02:05	27° £ 51'37	1°44'52
5 5	1836 Mar 09 15:02	0°) €		greatest brilliancy	1841 Apr 18 13:21	27° ≏ 41'00	-1.7m
	1836 Apr 16 23:47	$_0$ ° $\boldsymbol{\gamma}$		min. Earth dist.	1841 Apr 24 18:37	25° £ 20'31	0.58723 AU
	1836 May 26 08:16	0°8		direct	1841 May 28 17:21	18° ≏ 07'50	
	1836 Jul 06 14:59	0°II		desc. node	1841 May 29 21:30	18° ≏ 08′23	
asc. node	1836 Aug 07 02:45	21° Ⅱ 33'54			1841 Jul 15 01:48	0°M	
	1836 Aug 20 00:03	0ංම			1841 Sep 06 17:39	0° ∡ ¹	
	1836 Oct 09 04:28	$0^{\circ}\Omega$			1841 Oct 19 23:26	0°రె	
retrograde	1836 Dec 27 23:04	26° Ω 58'50			1841 Nov 28 19:35	0° ≈	
min. Earth dist.	1837 Feb 05 07:32	17° Ω 30'37	0.67398 AU		1842 Jan 06 12:16	0°) €	
opposition	1837 Feb 06 02:56	17° Ω 11'11	4°33'31		1842 Feb 14 10:08	0 ° Υ	
greatest brilliancy	1837 Feb 05 23:00	17° Ω 15′08	-1.3m		1842 Mar 26 12:16	0°8	
direct	1837 Mar 18 12:34	7° Ω 29'29		asc. node	1842 Mar 30 00:42	2° 8 34'28	
	1837 May 31 15:41	0° m		evening set	1842 May 02 06:43	26° 8 25'16	
	1837 Jul 25 00:53	0∘ ত			1842 May 07 09:05	Π $\circ 0$	
desc. node	1837 Aug 25 00:42	19° ≏ 22'03			1842 Jun 20 05:27	0 \circ \odot	
	1837 Sep 10 04:48	0° M ₊					
	1837 Oct 23 09:30	0°⊀		conjunction	1842 Jun 25 18:41	3°542'24	0°48'10
	1837 Dec 02 20:58	0°ಕ		minimum elong	1842 Jun 25 17:05	3° © 39'44	0°48'08
evening set	1837 Dec 20 19:39	13° ⋜ 46′04		max. Earth dist.	1842 Jul 16 14:11	17° © 27'04	2.61434 AU
	1838 Jan 10 15:15	0° ≈			1842 Aug 04 21:22	$0^{\circ}\Omega$	
	1838 Feb 17 15:29	0° ℋ		morning rise	1842 Aug 14 06:27	6° Ω 02′23	
	1000 71 - 21 - 1	#6 \	10011		1842 Sep 20 23:43	0° m)	
conjunction	1838 Feb 24 04:34	5° 光 10′19			1842 Nov 08 07:22	0° ™	
minimum elong	1838 Feb 24 06:27	5°) 14′03	1°01'53		1842 Dec 28 10:41	0° M	
	1838 Mar 27 20:09	0° γ	0.05605.155		1843 Feb 21 18:29	0° ∡ 7	
max. Earth dist.	1838 Mar 31 08:56	2° Υ 44'36	2.37695 AU	desc. node	1843 Apr 16 20:42	19° 🖈 53'20	
morning rise	1838 May 05 16:35	29° Y 42'04		retrograde	1843 May 03 22:29	21° 🗷 34'27	2020120
	1838 May 06 02:10	8°0		opposition	1843 Jun 06 12:26	15° ₹ 05'57	
	1838 Jun 16 03:13	0°II		greatest brilliancy	1843 Jun 07 07:19	14° ₹ 50′22	
asc. node	1838 Jun 25 01:32	6° Ⅱ 19'10		min. Earth dist.	1843 Jun 14 22:37		0.46130 AU
	1838 Jul 29 13:39	0ං ව		direct	1843 Jul 13 05:25	7° ⊀ 11'22	

	1843 Sep 16 18:05	0°ರ		minimum elong	1848 Oct 16 21:28	23° ჲ 38'12	0°28'44
	1843 Nov 01 16:19	0° ≈		C	1848 Oct 26 08:18	0°M	
	1843 Dec 13 02:00	0°) €		morning rise	1848 Dec 02 20:12	25°M51'14	
	1844 Jan 22 19:52	$0^{\circ}\mathbf{\Upsilon}$		desc. node	1848 Dec 06 18:25	28° M 37'04	
asc. node	1844 Feb 14 22:48	16° Ƴ 48'03			1848 Dec 08 17:24	0° ∡ ¹	
	1844 Mar 04 09:36	9° 8			1849 Jan 19 07:29	8°0	
	1844 Apr 16 12:07	$\Pi^{\circ}0$			1849 Feb 28 11:37	0° ≈	
	1844 May 31 07:12	0 \circ \odot			1849 Apr 08 20:04	0°) €	
evening set	1844 Jun 17 10:29	11°5913'01			1849 May 18 05:02	$0^{\circ}\mathbf{\Upsilon}$	
	1844 Jul 16 11:52	$0^{\circ}\Omega$			1849 Jun 27 20:55	9° 8	
					1849 Aug 11 03:50	Π °0	
conjunction	1844 Aug 04 15:30		1°08'28	asc. node	1849 Oct 06 19:47	29° Ⅱ 28'32	
minimum elong	1844 Aug 04 15:11	12° Ω 15'15			1849 Oct 08 06:52	0_{\circ} වෙ	
max. Earth dist.	1844 Aug 09 12:46		2.66921 AU	retrograde	1849 Nov 09 00:24	6° ୭ 07'05	
	1844 Sep 01 11:39	0° m			1849 Dec 08 20:13	30°RⅡ	
morning rise	1844 Sep 18 21:49	11° Mp 04'51		min. Earth dist.	1849 Dec 12 05:27	28° I I42'38	
	1844 Oct 18 15:20	0∘ 亚		opposition	1849 Dec 18 07:03	26° Ⅱ 19'23	3°03'13
	1844 Dec 04 14:29	0°M		greatest brilliancy	1849 Dec 17 13:49	26° II 36'22	-1.8m
JJ.	1845 Jan 20 10:53	0°⊀̄ 26°-₹̄52!14		direct	1850 Jan 24 01:09	17° Ⅱ 53′28 0° ©	
desc. node	1845 Mar 03 19:45	26° メ 53'14 0° る			1850 Mar 15 11:16	0.℃ 0.≈	
	1845 Mar 08 19:01	0° ≈			1850 May 15 06:14 1850 Jul 06 02:39	0° m y	
	1845 Apr 27 14:30 1845 Jul 10 20:26	0 ≈ 0° ∀			1850 Aug 23 09:06	0∘ ऌ ० ाप्र	
retrograde	1845 Jul 19 12:19	0° ∺ 28'37			1850 Oct 07 20:13	0°M	
retrograde	1845 Jul 28 02:03	0 / (2837		evening set	1850 Oct 07 20:13	1°M46'03	
opposition	1845 Aug 18 15:17	25°≈27'59	-6°40'21	desc. node	1850 Oct 24 16:49	11°M34'50	
min. Earth dist.	1845 Aug 18 11:32		0.37302 AU	max. Earth dist.	1850 Oct 24 10:45 1850 Oct 26 02:03	12°M32'35	2.51355 AU
greatest brilliancy	1845 Aug 18 17:12	25°≈26'43	-2.9m	max. Earth dist.	1850 Nov 19 18:51	0° √	2.51555710
direct	1845 Sep 17 08:01	20°≈31'26	2.5111		10301101 17 10.31	· ,	
	1845 Oct 27 15:47	0°) €		conjunction	1850 Nov 29 15:36	7° ∡ °07'18	-0°21'32
	1845 Dec 22 02:20	0° Υ		minimum elong	1850 Nov 29 14:35	7° ₹ 05'26	
asc. node	1846 Jan 01 22:19	6° Ƴ 43'31			1850 Dec 30 14:40	0°る	
	1846 Feb 07 07:56	0°8		morning rise	1851 Jan 24 02:53	18° る 36'30	
	1846 Mar 25 16:19	Π°		· ·	1851 Feb 07 21:37	0° ≈	
	1846 May 11 11:52	0°99			1851 Mar 18 09:19	0° ∀	
	1846 Jun 27 21:00	$0^{\circ}\Omega$			1851 Apr 25 21:49	$0^{\circ}\mathbf{\Upsilon}$	
evening set	1846 Jul 26 16:50	18° Ω 12'05			1851 Jun 04 09:41	8° 0	
	1846 Aug 14 08:00	0° ™			1851 Jul 15 23:17	$\Pi^{\circ}0$	
max. Earth dist.	1846 Sep 01 12:04	11°My33'55	2.66938 AU	asc. node	1851 Aug 24 19:31	26° Ⅲ 34′21	
					1851 Aug 30 06:32	0 \circ \odot	
conjunction	1846 Sep 10 08:51	17° m 14'04	1°00'34		1851 Oct 23 20:39	$0^{\circ}\Omega$	
minimum elong	1846 Sep 10 09:46	17° m 15'33	1°00'34	retrograde	1851 Dec 15 14:43	13° Ω 56′32	
	1846 Sep 30 04:44	0∘ ⊽		min. Earth dist.	1852 Jan 22 10:46		0.66007 AU
morning rise	1846 Oct 24 18:37	16° ჲ 00'40		opposition	1852 Jan 24 18:56	4° Ω 01'12	
	1846 Nov 14 22:53	0°M₊		greatest brilliancy	1852 Jan 24 09:14	4° Ω 10'56	-1.4m
	1846 Dec 29 09:10	0°⊀			1852 Feb 04 06:28	30° ₹ 🥯	
desc. node	1847 Jan 19 19:27	14° ∡ ⁴47'43		direct	1852 Mar 04 10:18	24°534'37	
	1847 Feb 10 12:47	ව°0			1852 Apr 05 19:25	0° N	
	1847 Mar 24 15:42	0° ≈			1852 Jun 11 20:38	0° m	
	1847 May 05 08:09	0° ℋ 0° Ƴ		J 1	1852 Aug 02 08:00	0∘ ⊽	
	1847 Jun 17 01:40			desc. node	1852 Sep 10 15:45	25° £ 15'30	
ratra ara da	1847 Aug 05 00:47	0° 呂 15° 呂 28'36			1852 Sep 17 17:41	0° M 0° <i>⊀</i>	
retrograde min. Earth dist.	1847 Sep 25 10:53 1847 Oct 23 04:16		0.45355 AU	evening set	1852 Oct 30 17:52 1852 Nov 27 07:23	0 x . 20° x 14'55	
opposition	1847 Oct 31 09:25	7° 8 21'24		evening set	1852 Dec 10 06:01	20 メ ・14 33	
greatest brilliancy	1847 Oct 31 09:23	7° 8 27'59		max. Earth dist.	1852 Dec 10 00:01 1852 Dec 24 19:03	11°る07'03	2.38711 AU
asc. node	1847 Nov 19 21:19	1° 8 54'32	۵.7111	max. Lattii Qist.	1853 Jan 18 02:25	0°≈	2.50/11 AU
direct	1847 Dec 02 22:17	0° 8 45'55			1000 Juli 10 02.23	U / U	
	1848 Feb 24 20:39	0°II		conjunction	1853 Jan 26 17:59	6°≈47'03	-1°03'44
	1848 Apr 18 00:17	0°©		minimum elong	1853 Jan 26 16:56	6°≈45'01	
	1848 Jun 07 03:41	$0 {\circ} \Omega$			1853 Feb 25 04:34	0°) €	
	1848 Jul 25 20:22	0° mp			1853 Apr 04 10:05	0° Υ	
evening set	1848 Aug 31 18:27	23° m/23'21		morning rise	1853 Apr 06 10:39	1° Υ 34'21	
Č	1848 Sep 11 00:20	0∘ <u>⊽</u>		- C	1853 May 13 15:50	0°8	
max. Earth dist.	1848 Sep 25 04:56	9° £ 15'16	2.61607 AU		1853 Jun 23 17:01	0° I I	
	-			asc. node	1853 Jul 11 18:52	12° ∏ 41′04	
conjunction	1848 Oct 16 20:32	23° ≏ 36'38	0°28'44		1853 Aug 06 07:40	0ಂತಾ	

	1853 Sep 22 15:21	0°N			1858 Dec 23 02:21	0° \	
	1853 Nov 16 20:30	0°m)			1859 Jan 31 20:08	0° Υ	
retrograde	1854 Jan 18 01:15	17° m) 27'35		asc. node	1859 Mar 03 15:31	22° Υ 45'15	
opposition	1854 Feb 26 20:42	7° m 58'36	4°18'08	ase. node	1859 Mar 13 15:18	0°8	
greatest brilliancy	1854 Feb 27 01:45	7° m 53'35			1859 Apr 25 02:56	0°II	
min. Earth dist.	1854 Feb 28 09:46	7° m) 21'47	0.67521 AU	evening set	1859 Jun 01 10:21	25° Ⅱ 19'42	
	1854 Mar 22 12:43	30°R Ω		C	1859 Jun 08 10:45	0∘ ©	
direct	1854 Apr 09 00:53	28° Ω 01'24					
	1854 Apr 27 19:03	0° m)		conjunction	1859 Jul 21 13:20	28°911'25	1°04'14
	1854 Jul 09 04:44	0∘ 亚		minimum elong	1859 Jul 21 12:26	28°909'58	1°04'14
desc. node	1854 Jul 29 14:45	11° ≏ 44'27			1859 Jul 24 08:40	$0^{\circ}\Omega$	
	1854 Aug 27 20:39	0° M.		max. Earth dist.	1859 Aug 01 05:22	5° Ω 03'40	2.65427 AU
	1854 Oct 10 18:56	0° ∡		morning rise	1859 Sep 06 00:11	27° Ω 54'09	
	1854 Nov 20 11:07	0°ප			1859 Sep 09 07:31	0° m)	
	1854 Dec 29 05:46	0° ≈			1859 Oct 26 18:54	0∘ 亚	
evening set	1855 Feb 01 06:44	26° ≈ 52'01			1859 Dec 13 15:03	0°M₊	
	1855 Feb 05 05:52	0° ∀			1860 Jan 31 08:46	0° ∡ ¹	
	1855 Mar 15 11:32	0° Υ		desc. node	1860 Mar 20 12:08	28° ∡ ³33'31	
					1860 Mar 23 03:31	0°ಕ	
conjunction	1855 Apr 10 03:30	19° Y ′42'05			1860 Jun 10 05:47	0° ≈	
minimum elong	1855 Apr 10 06:00	19° Ƴ 46'50	0°31'15	retrograde	1860 Jun 16 21:19	0° ≈ 16'36	
	1855 Apr 23 19:42	0° 8			1860 Jun 23 11:49	30°Ŗる	
max. Earth dist.	1855 May 29 09:09		2.45505 AU	opposition	1860 Jul 17 13:18	25° る 05'36	
asc. node	1855 May 29 17:17	26° 8 16'17		greatest brilliancy	1860 Jul 18 13:54	24°₹48'20	-2.8m
	1855 Jun 03 22:43	0°П		min. Earth dist.	1860 Jul 22 11:52	23° ⋜ 42'40	0.39089 AU
morning rise	1855 Jun 13 02:30	6° Ⅱ 28'36		direct	1860 Aug 18 14:41	19° ⋜ 18′08	
	1855 Jul 17 06:47	0° ©			1860 Sep 29 18:00	0° ≈	
	1855 Sep 01 02:45	0° Ω			1860 Nov 21 03:47	0° ∀	
	1855 Oct 20 00:54	0° m			1861 Jan 04 19:58	0° Υ	
	1855 Dec 14 03:44	0∘ ⊽		asc. node	1861 Jan 18 13:12	9° Υ 24'06	
retrograde	1856 Feb 24 06:17	21° Ω 39'53	29.4710.6		1861 Feb 17 16:11	0°Ⅱ 8°0	
opposition	1856 Apr 02 13:30	12° £ 59'58 12° £ 47'01	-1.5m		1861 Apr 03 06:50	0. 0. П	
greatest brilliancy min. Earth dist.	1856 Apr 03 02:56	12 24 701 10° 2 56'47	0.62437 AU		1861 May 19 02:11 1861 Jul 04 21:32	0° U	
direct	1856 Apr 07 21:24 1856 May 13 18:12	3° £ 02'34	0.02437 AU	evening set	1861 Jul 12 00:03	4° Ω 31'18	
desc. node	1856 Jun 15 12:52	8° £ 58'07		evening set	1861 Aug 21 02:25	0°M)	
desc. flode	1856 Jul 31 05:20	0°M.		max. Earth dist.	1861 Aug 23 17:28	-•	2.67586 AU
	1856 Sep 17 03:44	0° ⊼		max. Earth dist.	1001 Aug 25 17.20	1 110 40 13	2.07300710
	1856 Oct 29 02:08	⊙ੇਂਤ		conjunction	1861 Aug 27 06:55	3° m 56'12	1°06'39
	1856 Dec 07 09:17	0° ≈		minimum elong	1861 Aug 27 07:28	3° Mp 57'04	1°06'38
	1857 Jan 14 17:38	0° ∀		g	1861 Oct 07 00:18	0∘ ত	1 00 50
	1857 Feb 22 07:59	0° Υ		morning rise	1861 Oct 10 15:33	2° £ 20'38	
	1857 Apr 03 02:23	0°8		5 5	1861 Nov 22 03:11	0° M	
evening set	1857 Apr 10 01:17	5° 8 07'10			1862 Jan 06 06:38	0° ∡ ¹	
asc. node	1857 Apr 15 16:45	9° 8 14'42		desc. node	1862 Feb 05 10:57	20° ∡ ¹23'57	
	1857 May 14 15:50	$\Pi^{\circ}0$			1862 Feb 19 13:00	0°ರ	
					1862 Apr 04 06:03	0° ≈	
conjunction	1857 Jun 07 08:27	16° Ⅱ 28'29	0°31'28		1862 May 18 09:35	0° ∀	
minimum elong	1857 Jun 07 06:54	16° Ⅲ 25'51	0°31'28		1862 Jul 05 20:04	0° Y	
	1857 Jun 27 06:24	0 o \odot		retrograde	1862 Sep 02 11:49	19° Ƴ 14'36	
max. Earth dist.	1857 Jul 05 18:24	5° 5 641'21	2.57843 AU	min. Earth dist.	1862 Sep 29 00:36	14° Ƴ 39'29	0.40576 AU
morning rise	1857 Jul 29 17:28	21° © 29'16		greatest brilliancy	1862 Oct 05 05:01	12° Y 45′16	-2.7m
	1857 Aug 11 20:23	$0 { m ^{\circ}} \Omega$		opposition	1862 Oct 06 00:30	12° Ƴ 30′13	-3°44'30
	1857 Sep 28 04:16	0° ™		direct	1862 Nov 05 14:00	6° Y 51'57	
	1857 Nov 16 09:30	0∘ ⊽		asc. node	1862 Dec 06 13:01	12° Y 26'55	
	1858 Jan 08 06:10	0° M ₊			1863 Jan 15 09:19	0°8	
	1858 Mar 22 03:33	0° 🗷			1863 Mar 09 09:51	0°II	
retrograde	1858 Apr 10 20:00	2° ∡ 10'47			1863 Apr 27 23:24	0° ©	
1 1	1858 Apr 29 11:03	30°₹M			1863 Jun 15 17:20	0° N	
desc. node	1858 May 03 11:57	28°M58'50	0927142		1863 Aug 02 19:30	0° M)	
opposition	1858 May 16 02:51	24°M.54'49		evening set	1863 Aug 18 08:40	9° Mp 50'02	2 64216 411
greatest brilliancy	1858 May 16 07:23	24°M50'48	-2.1m	max. Earth dist.	1863 Sep 16 05:21	28° Mp 19'48	2.64316 AU
min. Earth dist.	1858 May 24 09:04	21°M59'57 16°M01'09	0.51382 AU		1863 Sep 18 19:13	0∘ ⊽	
direct	1858 Jun 23 21:20 1858 Aug 13 02:29	16°11601109 0° √ 7		conjunction	1863 Oct 02 22:08	9° ≏ 12'11	0°43'39
	1858 Oct 02 08:15	0° X ′		minimum elong	1863 Oct 02 22:08 1863 Oct 02 23:16	9° 2 12'11 9° 2 14'02	
	1858 Nov 13 06:55	0°≈		minimum ciong	1863 Nov 03 05:55	9 = 1402 0° M	0 73 30
	1000 1101 10 00.00	J .~			1005 1101 05 05.55	o no	

morning rise	1863 Nov 17 09:26	9°MJ34'50		retrograde	1869 Jan 04 14:42	4° m 47'04	
morning risc	1863 Dec 16 23:01	0° ⊼ ¹		retrograde	1869 Jan 31 16:52	30°RΩ	
desc. node	1863 Dec 24 09:32	5° × 13'21		opposition	1869 Feb 13 16:46	25°Ω05'00	4°31'16
dese. Hode	1864 Jan 28 01:00	_{0°} ප		greatest brilliancy	1869 Feb 13 16:07	25°Ω05'38	-1.3m
	1864 Mar 08 19:07	0° ≈		min. Earth dist.	1869 Feb 13 17:21	25°Ω04'25	0.67719 AU
	1864 Apr 17 18:29	0°) €		direct	1869 Mar 26 10:31	15° Ω 16'41	0.07717710
	1864 May 27 20:59	0°Υ		uncet	1869 May 22 13:37	0° m)	
	1864 Jul 08 18:41	0°8			1869 Jul 19 03:23	0∘ ত مسم	
	1864 Aug 25 23:52	0°II		desc. node	1869 Aug 15 06:05	° – 16° ≏ 32'29	
retrograde	1864 Oct 23 21:10	18° ∏ 47'18		dese. Hode	1869 Sep 05 01:16	0°M	
asc. node	1864 Oct 23 13:12	18° Ⅱ 47'16			1869 Oct 18 11:50	0° ⊼ 7	
min. Earth dist.	1864 Nov 23 23:04	12° ∏ 09'41	0.53398 AU		1869 Nov 28 01:15	°ੁੱਠ	
opposition	1864 Dec 01 06:14	9° П 22'17	1°51'49	evening set	1870 Jan 04 12:00	28° る 57'37	
greatest brilliancy	1864 Nov 30 17:02	9° П 34'56	-2.0m	evening set	1870 Jan 05 19:48	0° ≈	
direct	1865 Jan 05 11:48	1° П 32'28	-2.0111		1870 Feb 12 19:54	0° ∺	
direct	1865 Mar 31 02:58	0°95			10/0100 12 17.54	٠ ٨	
	1865 May 24 11:19	0° U		conjunction	1870 Mar 12 18:05	21° ¥ 59'15	-0°54'00
	1865 Jul 13 16:58	0° mp		minimum elong	1870 Mar 12 21:09	22° H 05'14	
	1865 Aug 30 10:23	0∘ ত الله		minimum clong	1870 Mar 23 00:38	0° Υ	0 33 38
evening set	1865 Sep 24 09:02	0 = 16° £ 18'10			1870 May 01 06:42	0°8	
max. Earth dist.	1865 Oct 12 19:29	28° £ 39'14	2.55877 AU	max. Earth dist.	1870 May 01 00:42	_	2.40151 AU
max. Earth dist.	1865 Oct 14 19:08	28 = 39 14 0° M	2.33877 AU		•	14° 8 18'57	2.40131 AU
daga mada		18°ML18'39		morning rise	1870 May 20 14:22 1870 Jun 11 07:17	0°Ⅱ	
desc. node	1865 Nov 10 08:19	10 1161039		4-	1870 Jun 15 10:13	0 <u>П</u> 2° П 55'44	
agniumation	1965 Nov. 11 00:46	19°M03'13	0000120	asc. node		2 H33 44 0°©	
conjunction	1865 Nov 11 09:46				1870 Jul 24 15:16	0°€ 0°€	
minimum elong	1865 Nov 11 09:42	19°M03'08	0°00'38		1870 Sep 08 18:58		
behind sun begin	1865 Nov 10 13:02	18°M26'55			1870 Oct 29 01:47	0° m)	
behind sun end	1865 Nov 12 06:22	19°M39'22		. 1	1870 Dec 30 17:16	0∘ ⊽	
	1865 Nov 26 20:52	0° √		retrograde	1871 Feb 09 02:49	8° ₾ 09'20	
morning rise	1866 Jan 01 13:42	26°₺00'08		•,•	1871 Mar 17 21:28	30°R, M)	2022157
	1866 Jan 06 22:42	ව°0		opposition	1871 Mar 20 03:57	29° Mp 06'58	3°32'57
	1866 Feb 15 12:31	0° ≈		greatest brilliancy	1871 Mar 20 15:46	28° m 55'24	-1.4m
	1866 Mar 26 06:34	0°) €		min. Earth dist.	1871 Mar 24 01:00	27° m/35'58	0.65210 AU
	1866 May 04 00:45	0° Υ		direct	1871 Apr 30 13:36	19° Mp 04'51	
	1866 Jun 12 19:06	0° 8			1871 Jun 16 09:08	0∘ 亚	
	1866 Jul 24 22:03	0° П		desc. node	1871 Jul 03 05:28	7° ≏ 35'08	
asc. node	1866 Sep 10 11:40	0° © 15'23			1871 Aug 12 15:39	0° M ₊	
	1866 Sep 10 01:03	0°©			1871 Sep 27 06:31	0° ∡ 7	
	1866 Nov 25 18:21	0°N			1871 Nov 07 12:08	0°ප	
retrograde	1866 Dec 01 22:07	0° Ω 15'05			1871 Dec 16 12:00	0° ≈	
	1866 Dec 07 22:47	30°Rூ			1872 Jan 23 15:23	0°) {	
min. Earth dist.	1867 Jan 07 02:07	21°5549'31	0.63624 AU		1872 Mar 02 00:53	0°Υ •••••	
opposition	1867 Jan 10 22:25	20°917'05	4°08'39	evening set	1872 Mar 15 23:25	10° Y 42'22	
greatest brilliancy	1867 Jan 10 07:56	20°931'35	-1.5m	•	1872 Apr 10 13:54	0°8	
direct	1867 Feb 18 14:46	11° © 10'08		asc. node	1872 May 02 08:23	15° 8 59'00	
	1867 Apr 26 02:14	0° N					
	1867 Jun 22 06:54	0° m/		conjunction	1872 May 17 15:25	26° 8 58'16	0°09'43
	1867 Aug 11 02:24	0∘ 亚		minimum elong	1872 May 17 14:47	26° 8 57'08	0°09'42
	1867 Sep 26 00:47	0°M		behind sun begin	1872 May 16 18:51	26° 8 21'39	
desc. node	1867 Sep 28 07:13	1°M32'17		behind sun end	1872 May 18 10:43	27° 8 32'34	
evening set	1867 Nov 07 14:29	29°M43'59		P 4 F 4	1872 May 21 21:49	0° П	2 52 400 444
E 4 E	1867 Nov 07 23:23	0° 🖍	2 42 40 6 4 11	max. Earth dist.	1872 Jun 23 09:37		2.53499 AU
max. Earth dist.	1867 Nov 23 11:58		2.43486 AU		1872 Jul 04 08:16	0°©	
	1867 Dec 18 13:55	0°ප		morning rise	1872 Jul 12 20:03	5° © 41'48	
	10/01 02 07 27	11070046	0052110		1872 Aug 18 22:05	0° N	
conjunction	1868 Jan 02 05:32	11° ろ 09'42			1872 Oct 05 15:19	0° my	
minimum elong	1868 Jan 02 03:22	11° る 05'33	0-32/16		1872 Nov 25 05:47	0∘ ™	
	1868 Jan 26 13:40	0° ≈		, ,	1873 Jan 22 12:35	0°M	
	1868 Mar 04 18:33	0°)(retrograde	1873 Mar 21 22:29	15°M17'24	0050146
morning rise	1868 Mar 06 21:43	1°) (40'43		opposition	1873 Apr 27 14:46	7°M22'35	0°59'46
	1868 Apr 12 01:35	$^{\circ \gamma}$		greatest brilliancy	1873 Apr 27 22:07	7°M15'46	-1.8m
	1868 May 21 07:59	0° Β		min. Earth dist.	1873 May 04 23:07	4°M39'33	0.56325 AU
,	1868 Jul 01 10:56	0° П		desc. node	1873 May 20 04:03	29° £ 57'46	
asc. node	1868 Jul 28 10:13	18° Ⅱ 41'08		1'	1873 May 20 00:16	30° ₹ Ω	
	1868 Aug 14 10:09	0.0 0.0		direct	1873 Jun 06 18:08	27° £ 51'40	
	1868 Oct 02 03:30	0° N			1873 Jun 25 07:52	0°M 0°. ₹	
	1868 Dec 06 02:58	0° ™			1873 Aug 30 02:57	0° ∡ ¹	

		_				_	
	1873 Oct 13 19:18	0° ප			1878 Sep 25 14:11	0∘ ರ	
	1873 Nov 23 04:09	0° ≈		morning rise	1878 Nov 02 03:21	24° ≏ 36'41	
	1874 Jan 01 03:35	0° ∀			1878 Nov 10 05:36	0°M₊	
	1874 Feb 09 06:30	0 ° $\mathbf{\gamma}$			1878 Dec 24 09:29	0° ∡ ¹	
asc. node	1874 Mar 20 07:00	29° Ƴ 05'30		desc. node	1879 Jan 10 01:11	11° ∡ ³34'43	
	1874 Mar 21 12:49	0°8			1879 Feb 05 03:05	ිප°0	
	1874 May 02 13:17	0°II			1879 Mar 18 16:22	0° ≈	
avanina aat	1874 May 13 20:02	7° Ⅱ 49'25			1879 Apr 28 14:09	0°) €	
evening set	•				=	0°Υ	
	1874 Jun 15 12:29	0₀ ©			1879 Jun 08 23:46		
					1879 Jul 23 18:00	0°8	
conjunction	1874 Jul 05 13:20	13° © 16'26	0°55'30	retrograde	1879 Oct 06 20:34	28° 8 48'32	
minimum elong	1874 Jul 05 11:55	13° © 14'07	0°55'29	min. Earth dist.	1879 Nov 04 17:27	23° 8 02'21	0.48241 AU
max. Earth dist.	1874 Jul 22 13:19	24° © 22'53	2.63095 AU	asc. node	1879 Nov 10 04:32	21° 8 04'14	
	1874 Jul 31 05:32	$0^{\circ}\Omega$		opposition	1879 Nov 12 20:11	20° 8 06'11	0°08'39
morning rise	1874 Aug 22 18:13	14° Ω 27'53		greatest brilliancy	1879 Apr 27 03:05	28° ≈ 55'42	0.2m
S	1874 Sep 16 05:33	0° m		direct	1879 Dec 16 09:02	13° 8 01'29	
	1874 Nov 03 04:11	0∘ ಹ			1880 Feb 14 11:39	0°II	
		0° m .				0°©	
	1874 Dec 22 06:39				1880 Apr 11 13:21		
	1875 Feb 12 06:21	0° ∡			1880 Jun 01 20:14	0 $^{\circ}\Omega$	
desc. node	1875 Apr 07 02:58	25° ҂ 41'01			1880 Jul 21 00:13	0° ™	
	1875 Apr 20 00:53	0°₹			1880 Sep 06 08:42	0∘ ⊽	
retrograde	1875 May 18 22:12	4° ට 32'50		evening set	1880 Sep 09 04:58	1° ≏ 50'34	
	1875 Jun 15 15:10	30°₽ ⋌		max. Earth dist.	1880 Oct 01 08:18	16° ≙ 21'25	2.59755 AU
opposition	1875 Jun 20 08:34	28° ₹ ³33'39	-3°56'56		1880 Oct 21 17:02	0° M ₊	
greatest brilliancy	1875 Jun 21 10:18	28° ҂ 13'33					
min. Earth dist.	1875 Jun 28 05:07	26° ₹ 106'55		conjunction	1880 Oct 25 19:45	2°M47'29	0°18'40
direct	1875 Jul 25 14:32	21° × 21'45	0. 4 3320 AO	•	1880 Oct 25 19:45	2°M48'39	
direct				minimum elong			0 1839
	1875 Aug 31 21:58	0°⋜		desc. node	1880 Nov 26 23:43	25°M03'10	
	1875 Oct 23 23:26	0° ≈			1880 Dec 03 23:41	0°⊀	
	1875 Dec 06 03:12	0° ℋ		morning rise	1880 Dec 13 00:15	6° ∡ ¹25'54	
	1876 Jan 16 18:18	0 ° $\mathbf{\gamma}$			1881 Jan 14 09:29	0°る	
asc. node	1876 Feb 05 06:40	13° Ƴ 59'14			1881 Feb 23 08:27	0° ≈	
	1876 Feb 27 21:45	8°			1881 Apr 03 11:12	0°) €	
	1876 Apr 11 09:45	$\Pi^{\circ}0$			1881 May 12 13:46	0° Y	
	1876 May 26 11:24	0ಂತಾ			1881 Jun 21 19:08	0°8	
evening set	1876 Jun 26 15:12	20°914'01			1881 Aug 03 22:58	0°II	
evening set		20 3 1401 0° Ω				0°©	
	1876 Jul 11 20:03	0 86			1881 Sep 24 06:55		
				asc. node	1881 Sep 27 04:20	1° © 23'29	
conjunction	1876 Aug 13 00:29	20° Ω 32'47		retrograde	1881 Nov 17 14:19	15° © 33'42	
minimum elong	1876 Aug 13 00:32	20° Ω 32'51	1°08'56	min. Earth dist.	1881 Dec 21 21:44	7° © 46'23	0.60279 AU
max. Earth dist.	1876 Aug 14 20:49	21° Ω 43'21	2.67391 AU	greatest brilliancy	1881 Dec 26 12:01	5° © 56'56	-1.6m
	1876 Aug 27 20:54	0° m		opposition	1881 Dec 27 05:20	5° © 39'44	3°33'06
morning rise	1876 Sep 26 19:50	19° Mp 04'50			1882 Jan 12 07:23	30°R Ⅱ	
-	1876 Oct 13 22:01	0∘ ⊽		direct	1882 Feb 02 17:36	26° ∏ 57'37	
	1876 Nov 29 12:50	0°M			1882 Feb 26 02:36	0° ©	
	1877 Jan 14 15:49	0° ⊼ ¹			1882 May 08 11:26	0°N	
desc. node	1877 Feb 22 02:34	25° х 07'00			1882 Jun 30 18:23	0°m)	
desc. Hode							
	1877 Mar 01 14:20	0° ਰ			1882 Aug 18 12:42	0∘ ফ	
	1877 Apr 17 05:15	0° ≈			1882 Oct 03 03:50	0° M	
	1877 Jun 07 04:02	0° ∀		desc. node	1882 Oct 14 23:17	8°M04'40	
retrograde	1877 Aug 06 00:08	18° ¥ 51'52		evening set	1882 Oct 20 03:51	11° M 40'08	
min. Earth dist.	1877 Sep 02 20:19	14° 升 19′03	0.37665 AU	max. Earth dist.	1882 Nov 03 22:08	22° ™ 01'07	2.48600 AU
opposition	1877 Sep 05 23:43	13°) €27'25	-6°10'00		1882 Nov 15 02:39	0° ∡ ¹	
greatest brilliancy	1877 Sep 05 11:49	13°) 35′35	-2.9m				
direct	1877 Oct 05 13:26	8°) 29'44		conjunction	1882 Dec 11 00:31	18° ₹ '54'48	-0°33'34
	1877 Dec 10 10:43	$0^{\circ}\Upsilon$		minimum elong	1882 Dec 10 22:54	18° ∡ ′51'48	
asc. node	1877 Dec 23 05:56	7° Υ 00'58		mmam viong	1882 Dec 25 20:41	0°る	0 23 23
use. Houe						0°≈	
	1878 Jan 30 20:08	0° Β			1883 Feb 03 01:01		
	1878 Mar 19 16:49	0° I I		morning rise	1883 Feb 07 13:19	3°≈30'29	
	1878 May 06 06:24	0°©			1883 Mar 13 09:56	0°) €	
	1878 Jun 23 01:05	$0^{\circ}\Omega$			1883 Apr 20 19:58	0° Y	
evening set	1878 Aug 03 23:58	26° Ω 23'57			1883 May 30 04:56	9° 8	
	1878 Aug 09 16:34	O° Mp			1883 Jul 10 12:41	Π °0	
max. Earth dist.	1878 Sep 06 20:44	17° m 56'24	2.66228 AU	asc. node	1883 Aug 15 02:45	24° ∏ 09'52	
	-				1883 Aug 24 03:37	0ം ತಾ	
conjunction	1878 Sep 18 12:13	25° m 25'25	0°55'20		1883 Oct 14 13:25	$0^{\circ}\Omega$	
minimum elong	1878 Sep 18 13:17	25° m/27'08	0°55'19	retrograde	1883 Dec 23 06:50	21° Ω 56'31	
	p 10 15.17	, / 00	/		222 20 20 00.00	000001	

min. Earth dist.	1884 Jan 30 23:28	12° Ω 41'12	0.66907 AU	evening set	1889 Apr 22 23:22	17° 8 59'12	
opposition	1884 Feb 01 11:44	12° Ω 04'50	4°32'43		1889 May 09 21:30	0°II	
greatest brilliancy	1884 Feb 01 05:08	12° Ω 11'27	-1.3m		•		
direct	1884 Mar 12 14:19	2° Ω 29'30		conjunction	1889 Jun 18 02:02	26° Ⅲ 58′25	0°41'44
	1884 Jun 04 20:04	0° т р		minimum elong	1889 Jun 18 00:22	26° ∏ 55'36	0°41'44
	1884 Jul 27 22:02	0∘ ত			1889 Jun 22 13:58	0 \circ \odot	
desc. node	1884 Aug 31 22:36	22° Ω 08'34		max. Earth dist.	1889 Jul 12 06:07	13° © 05'35	2.59920 AU
	1884 Sep 12 19:26	0°M		morning rise	1889 Aug 07 18:12	0° £ 23′29	
	1884 Oct 25 23:28 1884 Dec 05 12:18	0°⋜			1889 Aug 07 03:39	0° N 0° m	
evening set	1884 Dec 10 04:26	0 3 3° ろ 33'18			1889 Sep 23 07:13 1889 Nov 10 22:32	0∘ रु ० ार्ष	
evening set	1885 Jan 13 08:01	0°≈			1890 Jan 01 00:29	0° ™	
max. Earth dist.	1885 Feb 04 19:34		2.37083 AU		1890 Mar 01 05:34	0° ⊼ ¹	
				retrograde	1890 Apr 23 09:28	13° ∡ 13'59	
conjunction	1885 Feb 11 11:59	22° ≈ 59'04	-1°04'36	desc. node	1890 Apr 23 18:31	13° ∡ 13'56	
minimum elong	1885 Feb 11 12:33	23° ≈ 00′12	1°04'36	opposition	1890 May 27 19:06	6° х 23′09	-1°43'19
	1885 Feb 20 08:57	0°) €		greatest brilliancy	1890 May 28 07:48	6° х 12′19	-2.2m
	1885 Mar 30 13:27	$0^{\circ}\mathbf{\Upsilon}$		min. Earth dist.	1890 Jun 05 07:25	3° х 29′31	0.48495 AU
morning rise	1885 Apr 23 07:37	18° Ƴ 18'48			1890 Jun 17 10:43	30°RM₊	
	1885 May 08 18:19	8°0		direct	1890 Jul 04 13:15	27°M59'03	
1	1885 Jun 18 17:52	0°Ⅲ 9°Ⅲ23'08			1890 Jul 22 01:20	0° ∡ 7	
asc. node	1885 Jul 02 00:57 1885 Aug 01 04:14	9°Щ23708 0°S			1890 Sep 23 17:49 1890 Nov 06 11:26	0°る	
	1885 Sep 16 21:40	0°Ω 0 €3			1890 Nov 06 11.26 1890 Dec 17 01:03	0 ≈ 0° H	
	1885 Nov 08 13:38	0° mp			1891 Jan 26 06:04	0° Υ	
retrograde	1886 Jan 25 22:18	25° Mp 13'58		asc. node	1891 Feb 21 22:14	19° Υ 33'38	
opposition	1886 Mar 06 12:31	15° m 53'24	4°04'57		1891 Mar 08 09:47	0°8	
greatest brilliancy	1886 Mar 06 20:21	15° m 45'39	-1.3m		1891 Apr 20 03:56	$\Pi^{\circ}0$	
min. Earth dist.	1886 Mar 08 21:28	14° m 57'07	0.66987 AU		1891 Jun 03 16:43	0 \circ \odot	
direct	1886 Apr 16 20:24	5° m 53'13		evening set	1891 Jun 11 07:20	5° 5 01'12	
	1886 Jul 01 16:58	0∘ ⊽			1891 Jul 19 17:21	0 $^{\circ}$ Ω	
desc. node	1886 Jul 19 20:47	9° ≙ 51'34					
	1886 Aug 22 04:37	0°M		conjunction	1891 Jul 30 07:04	6° Ω 47'27	
	1886 Oct 05 15:23	0° ∡ 7		minimum elong	1891 Jul 30 06:32	6° Ω 46'35	
	1886 Nov 15 12:11 1886 Dec 24 08:43	0°る 0°≈		max. Earth dist.	1891 Aug 06 15:42 1891 Sep 04 16:07	0° m/y	2.66358 AU
	1887 Jan 31 09:37	0 ∞ 0° H		morning rise	1891 Sep 14 00:35	5° Mp 56'31	
evening set	1887 Feb 17 06:42	13° ¥ 17'53		morning rise	1891 Oct 21 22:49	0∘ ⊽	
evening sec	1887 Mar 10 15:58	0°Υ			1891 Dec 08 06:19	0°M	
	1887 Apr 19 00:51	0°8			1892 Jan 24 20:07	0° ∡ ¹	
				desc. node	1892 Mar 10 17:32	28° ≯ 13'38	
conjunction	1887 Apr 24 22:11	4° 8 23'05	-0°16'11		1892 Mar 13 16:39	0°ರ	
minimum elong	1887 Apr 24 23:28	4° 8 25'28	0°16'09		1892 May 06 22:42	0° ≈	
asc. node	1887 May 20 01:09	22° 8 45'06		retrograde	1892 Jul 05 03:28	17° ≈ 14′00	
	1887 May 30 04:12	0° П		opposition	1892 Aug 04 06:14	12°≈16'16	
max. Earth dist.	1887 Jun 09 07:56	7° Ⅱ 10'36	2.48450 AU	greatest brilliancy	1892 Aug 04 20:13	12°≈06'57	
morning rise	1887 Jun 24 23:13	18° Ⅲ 03′23 0° ©		min. Earth dist.	1892 Aug 06 14:05	11°≈39'08	0.37736 AU
	1887 Jul 12 11:39 1887 Aug 27 03:24	0°Ω 0 €3		direct	1892 Sep 03 17:02 1892 Nov 09 09:15	7°≈04'33 0° 米	
	1887 Oct 14 11:33	0° m/y			1892 Dec 27 23:03	0° Υ	
	1887 Dec 06 08:34	0∘ ರ ೧.ಬಿ		asc. node	1893 Jan 08 21:33	7° Υ 49'35	
	1888 Feb 27 10:55	0°M			1893 Feb 11 08:23	0°8	
retrograde	1888 Mar 04 11:15	0°M12'56			1893 Mar 28 18:49	$\Pi^{\circ}0$	
-	1888 Mar 10 07:54	30° ₹ Ω			1893 May 14 01:59	0ಂತಾ	
opposition	1888 Apr 11 06:16	21° ≏ 47'16	2°13'02		1893 Jun 30 04:04	$0^{\circ}\Omega$	
greatest brilliancy	1888 Apr 11 18:54	21° ≏ 35'14	-1.6m	evening set	1893 Jul 20 11:41	12° Ω 52′13	
min. Earth dist.	1888 Apr 17 08:33	19° ≏ 28'03	0.60501 AU		1893 Aug 16 12:07	0°Щ	
direct	1888 May 22 04:41	11° ≏ 56'07		max. Earth dist.	1893 Aug 28 21:57	7° m 53'38	2.67329 AU
desc. node	1888 Jun 05 19:11	13° Ω 14'13			1002 0 04 00 00	100% 00150	1002122
	1888 Jul 22 03:42	0°M. 0°. ⊼		conjunction	1893 Sep 04 09:00	12° M 00'50	1°03'32
	1888 Sep 10 19:34	0°る		minimum elong	1893 Sep 04 09:48	12° Mp 02'06 0° <u>₽</u>	1°03'31
	1888 Oct 23 11:07 1888 Dec 02 01:37	0°≈		morning rise	1893 Oct 02 09:37 1893 Oct 18 16:47	ე° ഫ 33'49	
	1889 Jan 09 14:09	0 ≈ 0° ∀		morning 115C	1893 Nov 17 07:50	0°M	
	1889 Feb 17 07:53	0° Υ			1894 Jan 01 01:49	0° ⊼ ¹	
	1889 Mar 29 05:26	0°8		desc. node	1894 Jan 26 16:49	17° ∡ 32'16	
asc. node	1889 Apr 06 00:21	5° 8 42'55			1894 Feb 13 16:37	0°ರ	
	•						

	1894 Mar 28 10:33	0° ≈		direct	1899 Feb 27 05:54	19° © 25'07	
	1894 May 09 23:34	0° ∀			1899 Apr 15 10:23	$0^{\circ}\Omega$	
	1894 Jun 23 07:33	0 $^{\circ}$ $\mathbf{\Upsilon}$			1899 Jun 16 04:25	0° m	
	1894 Aug 19 10:01	$B_{\circ 0}$			1899 Aug 05 23:06	0∘ ⊽	
retrograde	1894 Sep 16 00:15	5° 8 03'48		desc. node	1899 Sep 18 13:27	28° £ 12'50	
min. Earth dist.	1894 Oct 13 00:05	0° 8 07'38	0.43098 AU		1899 Sep 21 05:12	0°M	
	1894 Oct 13 09:37	30°RY			1899 Nov 03 06:05	0° ∡ 7	
opposition	1894 Oct 20 22:16	27° Υ 31'05	-2°11'57	evening set	1899 Nov 19 00:18	11° × ⁷ 27'51	
greatest brilliancy	1894 Oct 20 08:28	27° Υ 42'31		max. Earth dist.	1899 Dec 08 13:43		2.40717 AU
			-2.0111	max. Earth dist.			2.40/1/ AU
direct	1894 Nov 21 14:34	21° Υ 20'58			1899 Dec 13 20:16	0°ප	
asc. node	1894 Nov 26 21:11	21° Y 31'55				. –	
	1894 Dec 31 08:13	0°8		conjunction	1900 Jan 16 04:49	25° る 38'40	
	1895 Mar 01 21:13	$\Pi^{\circ}0$		minimum elong	1900 Jan 16 03:01	25° る 35'10	1°00'05
	1895 Apr 22 04:57	0°€			1900 Jan 21 18:50	0° ≈	
	1895 Jun 10 16:15	$0^{\circ}\Omega$			1900 Feb 28 22:15	0° ∀	
	1895 Jul 29 02:27	0° m		morning rise	1900 Mar 25 00:40	18° ¥ 57'36	
evening set	1895 Aug 26 13:46	18° Mp 00'41			1900 Apr 08 03:58	$0^{\circ}\mathbf{\Upsilon}$	
C	1895 Sep 14 05:14	0∘ ⊽			1900 May 17 09:05	0°8	
max. Earth dist.	1895 Sep 21 20:54		2.62923 AU		1900 Jun 27 09:20	0°II	
max. Earth dist.	1075 Sep 21 20.51	. —3023	2.02)23 110	asc. node	1900 Jul 19 18:26	15° Ⅲ 38'43	
conjunction	1895 Oct 11 08:38	17° £ 46'52	0025122	ase. Hode	1900 Aug 10 01:15	0°9	
•						0°Ω	
minimum elong	1895 Oct 11 09:41	17° £ 48'37	0-35/21		1900 Sep 26 18:08		
	1895 Oct 29 15:14	0°M			1900 Nov 23 08:41	0° т р	
morning rise	1895 Nov 26 13:48	19°M05'41		retrograde	1901 Jan 13 07:04	12° Mp 32'50	
	1895 Dec 12 04:48	0°⊀		opposition	1901 Feb 22 06:11	2° Mp 57′27	4°24'55
desc. node	1895 Dec 14 16:10	1° ∡ ⁴44'33		greatest brilliancy	1901 Feb 22 08:43	2°₩54'56	-1.3m
	1896 Jan 23 00:38	0°ರ		min. Earth dist.	1901 Feb 23 02:33	2°M 37'10	0.67741 AU
	1896 Mar 03 11:09	0° ≈			1901 Mar 01 19:28	30° R Ω	
	1896 Apr 12 01:36	0° ∀		direct	1901 Apr 04 06:52	23° Ω 03'48	
	1896 May 21 16:47	$_{0}$ $^{\circ}$ \mathbf{Y}			1901 May 11 06:05	0° m	
	1896 Jul 01 17:52	0°8			1901 Jul 13 19:59	$0 \circ \overline{\mathbf{v}}$	
	1896 Aug 16 02:37	0°II		desc. node	1901 Aug 06 12:26	13° ≏ 59'36	
asc. node	1896 Oct 13 19:12	26° ∏ 54'25		desc. node	1901 Aug 31 18:13	0°M	
retrograde	1896 Nov 02 06:48	29° I I24'34			1901 Aug 31 18:13	0° ⊼ ¹	
0		29 H 24 34 22° H 20'34	0.56076 AU			0°る	
min. Earth dist.	1896 Dec 04 13:40				1901 Nov 24 04:44		
opposition	1896 Dec 11 05:42	19° Ⅱ 44'48	2°36'44		1902 Jan 01 23:54	0° ≈	
greatest brilliancy	1896 Dec 10 13:14	20° Ⅱ 00'50	-1.9m	evening set	1902 Jan 20 22:05	14° ≈ 54'49	
direct	1897 Jan 16 08:18	11° Ⅱ 34′00			1902 Feb 08 23:53	0° ∀	
	1897 Mar 22 00:19	0 \circ			1902 Mar 19 04:31	0 ° $\mathbf{\Upsilon}$	
	1897 May 18 11:51	$0 { m ^{\circ}} \Omega$					
	1897 Jul 08 15:02	0° m		conjunction	1902 Mar 30 00:47	8° Ƴ 23'34	-0°42'02
	1897 Aug 25 16:44	0∘ ত		minimum elong	1902 Mar 30 03:55	8° Ƴ 29'36	0°42'00
evening set	1897 Oct 03 09:22	25° ≏ 25'24			1902 Apr 27 10:49	6°	
	1897 Oct 10 03:59	0°M		max. Earth dist.	1902 May 20 08:15	16° 8 55'38	2.43066 AU
max. Earth dist.	1897 Oct 20 03:41	6°M49'01	2.53462 AU	morning rise	1902 Jun 04 08:27	27° 8 46'14	
desc. node	1897 Oct 31 14:47	14° M .44'55		asc. node	1902 Jun 06 17:01	29° 8 27'21	
desc. node	10,7, 000 51 17	1. 11000		450. 11040	1902 Jun 07 11:19	0°Ⅱ	
conjunction	1897 Nov 21 12:11	29°M29'30	-0°12'34		1902 Jul 20 17:43	0°9	
minimum elong	1897 Nov 21 12:11 1897 Nov 21 11:36	29°M28'28	0°12'33		1902 Sep 04 14:47	0°Ω	
			0 12 33		•		
behind sun begin	1897 Nov 20 21:45	29°M03'44			1902 Oct 23 22:54	0° Mp	
behind sun end	1897 Nov 22 01:28	29°M53'13			1902 Dec 20 03:33	0∘ ত	
	1897 Nov 22 05:15	0° ∡		retrograde	1903 Feb 18 15:34	16° ≏ 17'11	
	1898 Jan 02 04:38	0° ප		opposition	1903 Mar 29 07:31	7° £ 26'28	3°07'50
morning rise	1898 Jan 13 20:55	8° る 46'56		greatest brilliancy	1903 Mar 29 20:27	7° ≙ 13'54	-1.5m
	1898 Feb 10 15:16	0° ≈		min. Earth dist.	1903 Apr 02 23:40	5° £ 37'40	0.63803 AU
	1898 Mar 21 05:46	0° ℋ			1903 Apr 19 20:47	30°₽, ™)	
	1898 Apr 28 20:10	$0^{\circ}\mathbf{\Upsilon}$		direct	1903 May 09 15:26	27° Mp 26'12	
	1898 Jun 07 09:34	0°8			1903 May 30 17:20	0∘ <u>⊽</u>	
	1898 Jul 19 02:07	0°II		desc. node	1903 Jun 24 10:53	8° ≏ 06'17	
asc. node	1898 Aug 31 18:37	28° Ⅱ 41'58			1903 Aug 06 16:27	0°M	
400. Hode	1898 Sep 02 21:35	0°9			1903 Sep 22 13:52	0° ⊼ ¹	
	=	0° U			-	0°る	
natna a J-	1898 Oct 30 22:19				1903 Nov 03 05:31		
retrograde	1898 Dec 09 20:00	8° Ω 40'46			1903 Dec 12 09:56	0° ≈	
	1899 Jan 15 19:12	30°Rூ			1904 Jan 19 15:50	0° ∀	
min. Earth dist.	1899 Jan 15 22:37	29° © 56'35			1904 Feb 27 03:12	0° Υ	
opposition	1899 Jan 18 23:32	28°543'27	4°21'49	evening set	1904 Mar 31 11:41	25° Y 20′05	
greatest brilliancy	1899 Jan 18 11:28	28° © 55'34	-1.4m		1904 Apr 06 18:05	9° 8	

asc. node	1904 Apr 23 16:05	12° 8 26'06			1909 Jul 21 08:36	0° Υ	
use. node	1904 May 18 03:35	0°II		retrograde	1909 Aug 23 02:20	6° Ƴ 47'42	
	-, -, -, -, -, -, -, -, -, -, -, -, -, -	-		min. Earth dist.	1909 Sep 18 18:58	2°Υ20'56	0.38947 AU
conjunction	1904 May 30 17:06	8° Ⅱ 49'15	0°22'49	opposition	1909 Sep 24 10:09	0° Υ 42'38	
minimum elong	1904 May 30 15:48	8° Ⅱ 47'00	0°22'48	greatest brilliancy	1909 Sep 23 14:49	0° Y 56'43	
Č	1904 Jun 30 14:56	0°ಅ		,	1909 Sep 26 21:20	30° ₹	
max. Earth dist.	1904 Jul 01 20:40	0° © 50'03	2.55988 AU	direct	1909 Oct 24 07:15	25° ¥ 26'53	
morning rise	1904 Jul 23 16:09	15° 5 21'16			1909 Nov 20 20:47	0° Y	
	1904 Aug 15 03:22	$0^{\circ}\Omega$		asc. node	1909 Dec 14 12:39	9° Ƴ 14'17	
	1904 Oct 01 13:52	O° mp			1910 Jan 23 01:53	0°8	
	1904 Nov 20 06:24	0∘ ত			1910 Mar 14 07:17	Π $^{\circ}0$	
	1905 Jan 13 19:26	0°M			1910 May 01 20:49	0°€	
retrograde	1905 Apr 02 20:46	25°M06'31			1910 Jun 19 03:30	0 $^{\circ}\Omega$	
opposition	1905 May 08 20:07	17°M32'06	0°07'09		1910 Aug 06 00:58	0° m y	
greatest brilliancy	1904 Sep 15 22:23	20° Ω 14'26	1.8m	evening set	1910 Aug 13 05:40	4° Mg 32′59	
desc. node	1905 May 11 09:33	16°M36'19		max. Earth dist.	1910 Sep 13 05:46	24° Mp 20'18	2.65277 AU
min. Earth dist.	1905 May 16 18:23	14°M40'25	0.53660 AU		1910 Sep 22 00:14	0∘ ত	
direct	1905 Jun 17 07:24	8°M19'33					
	1905 Aug 21 19:33	0° ∡		conjunction	1910 Sep 27 17:00	3° Ω 41'49	0°48'56
	1905 Oct 08 00:06	0°⋜		minimum elong	1910 Sep 27 18:08	3° Ω 43'40	0°48'55
	1905 Nov 18 04:15	0° ≈			1910 Nov 06 13:39	0°M	
	1905 Dec 27 13:50	0° ∀		morning rise	1910 Nov 11 17:22	3° ™ 27'44	
,	1906 Feb 04 23:45	0° Υ			1910 Dec 20 12:16	0°×7	
asc. node	1906 Mar 11 15:13	25° Y 43'45		desc. node	1911 Jan 01 07:16	8° ≯ 14'34	
	1906 Mar 17 11:54	0° B			1911 Jan 31 21:30	5°0	
	1906 Apr 28 17:00	0° П 18° П 27'56			1911 Mar 14 00:07	0° ≈ 0° 升	
evening set	1906 May 25 15:23 1906 Jun 11 19:39	18°Щ2/36 0°9			1911 Apr 23 08:28 1911 Jun 02 21:47	0° Υ	
	1900 Juli 11 19.39	0 39			1911 Jul 15 16:01	0°8	
conjunction	1906 Jul 15 19:57	22° © 22'39	1°01'07		1911 Sep 05 15:20	0°U	
minimum elong	1906 Jul 15 19:37	22° © 20'48	1°01'08	retrograde	1911 Sep 03 13.20 1911 Oct 18 08:37	10° Ⅱ 57'47	
minimum clong	1906 Jul 27 14:13	0°Ω	1 01 00	asc. node	1911 Nov 01 12:43	9° П 28'14	
max. Earth dist.	1906 Jul 29 05:38	1° Ω 03'36	2.64483 AU	min. Earth dist.	1911 Nov 17 11:09	4° П 42'55	0.51120 AU
morning rise	1906 Aug 31 23:38	22° Ω 40'05	2.01.05110	opposition	1911 Nov 25 04:59	1° ∏ 48'53	1°12'21
morning 115¢	1906 Sep 12 12:53	0° m		greatest brilliancy	1911 Nov 24 19:41	1° П 57'36	-2.1m
	1906 Oct 30 04:26	0∘ ⊽		8	1911 Nov 30 04:08	30°₽ 8	
	1906 Dec 17 12:07	0° M		direct	1911 Dec 29 16:25	24° 8 18'13	
	1907 Feb 05 09:29	0°⊀			1912 Jan 30 21:02	$\Pi^{\circ}0$	
desc. node	1907 Mar 29 09:54	28° ₹ 22'11			1912 Apr 05 11:31	0°ಅ	
	1907 Apr 01 18:32	8°0			1912 May 28 08:16	$0^{\circ}\Omega$	
retrograde	1907 Jun 05 06:42	18° る 53'55			1912 Jul 17 02:42	0° m	
opposition	1907 Jul 06 15:28	13° る 23'24	-5°14'27		1912 Sep 02 17:03	0∘ 亚	
greatest brilliancy	1907 Jul 07 19:32	13° る 02'42	-2.7m	evening set	1912 Sep 18 18:56	10° ≏ 27'29	
min. Earth dist.	1907 Jul 13 04:41	11° පි 27'56	0.40758 AU	max. Earth dist.	1912 Oct 08 17:59	23° ≏ 41′28	2.57707 AU
direct	1907 Aug 09 03:28	6° る 58'50			1912 Oct 18 02:39	0°M	
	1907 Oct 13 14:29	0° ≈					
	1907 Nov 29 04:30	0° ∀		conjunction	1912 Nov 05 02:17	12° M 18'27	0°07'49
_	1908 Jan 11 04:39	0°Υ		minimum elong	1912 Nov 05 02:36	12°M18'58	0°07'49
asc. node	1908 Jan 27 13:04	11° Υ 28'32		behind sun begin	1912 Nov 04 08:32	11°M47'46	
	1908 Feb 23 03:25	0°8		behind sun end	1912 Nov 05 20:39	12°M50'12	
	1908 Apr 07 04:06	0° Ⅱ		desc. node	1912 Nov 18 06:18	21°M28'53	
. ,	1908 May 22 14:14	0.2 0.2			1912 Nov 30 07:40	0° ⊀ 7	
evening set	1908 Jul 06 12:25	28°956'56		morning rise	1912 Dec 24 18:41	17° ₹ 37'59	
max. Earth dist.	1908 Jul 08 03:54 1908 Aug 21 01:48	0° Ω 27° Ω 57'37	2.67612 AU		1913 Jan 10 13:43 1913 Feb 19 08:00	0°る	
max. Earth dist.	1908 Aug 21 01.48	21 863131	2.0/012 AU		1913 Heb 19 08:00 1913 Mar 30 05:53	0 ≈ 0° ∀	
conjunction	1908 Aug 22 05:24	28° Ω 41'31	1°08'03		1913 May 08 03:00	0° Υ	
minimum elong	1908 Aug 22 05:45	28° Ω 42'05	1°08'03		1913 Jun 17 00:38	0° 8	
mmmium ciong	1908 Aug 24 06:44	0°M)	1 00 05		1913 Jul 29 10:31	0°U	
morning rise	1908 Aug 24 00:44 1908 Oct 05 17:17	27° m 05'29			1913 Sep 15 17:18	0°©	
	1908 Oct 03 17:17 1908 Oct 10 06:05	27 ಗ್ಗು03 2೨ 0° ೧		asc. node	1913 Sep 18 11:30	1°530'53	
	1908 Nov 25 14:18	0° ™		retrograde	1913 Nov 26 21:11	24°533'53	
	1909 Jan 10 03:55	0° ∡ 7		min. Earth dist.	1914 Jan 01 05:55	16°\$25'09	0.62244 AU
desc. node	1909 Feb 13 08:57	22° ∡ ¹48'51		opposition	1914 Jan 05 18:35	14° © 36'44	
	1909 Feb 24 02:13	0°ප		greatest brilliancy	1914 Jan 05 02:26	14° © 52'52	
	1909 Apr 09 20:34	0° ≈		direct	1914 Feb 12 23:35	5° © 40'15	
	1909 May 25 22:53	0° ∀			1914 May 01 20:30	$0^{\circ}\Omega$	
	•				•		

	1914 Jun 26 04:48	0° m		behind sun end	1919 May 10 19:54	18° 8 49'54	
	1914 Aug 14 14:10	0∘ ⊽		asc. node	1919 May 11 08:06	19° 8 11'58	
	1914 Sep 29 10:38	0° M ₊			1919 May 26 09:38	$\Pi^{\circ}0$	
desc. node	1914 Oct 06 05:16	4°M36'23		max. Earth dist.	1919 Jun 19 10:05		2.51323 AU
evening set	1914 Oct 31 09:23	22°M06'53		morning rise	1919 Jul 06 23:28	28° ∏ 49'26	
T 41 11 4	1914 Nov 11 10:46	0° ⊀ 7	2 45707 ATT		1919 Jul 08 17:14	0° ©	
max. Earth dist.	1914 Nov 15 03:33	2°♂39'51 0°る	2.45797 AU		1919 Aug 23 06:17 1919 Oct 10 03:53	0° N 0° m	
	1914 Dec 22 03:48	0.0			1919 Oct 10 03:33 1919 Nov 30 12:10	0∘ ত رااا	
conjunction	1914 Dec 24 04:19	1° る 31'33	-0°44'48		1920 Jan 31 23:18	0° m .	
minimum elong	1914 Dec 24 02:15	1°る27'40		retrograde	1920 Mar 15 03:04	9°M05'57	
Č	1915 Jan 30 06:12	0° ≈		opposition	1920 Apr 21 08:43	0°M56'16	1°33'01
morning rise	1915 Feb 24 01:29	19° ≈ 24'26		greatest brilliancy	1920 Apr 21 18:58	0°M46'39	-1.7m
	1915 Mar 09 12:56	0° ∀			1920 Apr 23 20:29	30° ₹ Ω	
	1915 Apr 16 20:42	0 ° $\mathbf{\gamma}$		min. Earth dist.	1920 Apr 28 04:29	28° ≏ 22'47	0.58306 AU
	1915 May 26 03:08	0°B		desc. node	1920 May 28 01:59	21° ≏ 20'33	
	1915 Jul 06 06:23	0°II		direct	1920 May 31 22:25	21° Ω 14'39	
asc. node	1915 Aug 06 09:51	21° Ⅱ 26'47			1920 Jul 10 18:14	0°M	
	1915 Aug 19 09:10	0°€ 0°€			1920 Sep 04 20:27 1920 Oct 18 13:22	0°♂	
retrograde	1915 Oct 07 20:48 1915 Dec 31 22:29	0 3 <i>t</i> 29° Ω 49'24			1920 Oct 18 13:22 1920 Nov 27 13:38	0°≈	
min. Earth dist.	1916 Feb 09 10:26	29°Ω18'42	0.67485 AU		1920 Nov 27 13:38 1921 Jan 05 07:39	0° ∺	
opposition	1916 Feb 10 02:39	20° Ω 02'29	4°33'20		1921 Feb 13 05:21	0°Υ	
greatest brilliancy	1916 Feb 09 23:18	20°Ω05'50	-1.3m		1921 Mar 25 06:26	0°8	
direct	1916 Mar 21 14:43	10° Ω 19'34		asc. node	1921 Mar 28 06:26	2° 8 11'56	
	1916 May 28 18:42	0° m		evening set	1921 May 06 03:24	0°Ⅲ02'54	
	1916 Jul 23 05:23	0∘ ⊽			1921 May 06 01:45	Π °0	
desc. node	1916 Aug 23 03:48	19° ≏ 10′00			1921 Jun 18 20:34	0 \circ \odot	
	1916 Sep 08 17:43	0° M ₊					
	1916 Oct 22 02:57	0° ∡		conjunction	1921 Jun 29 06:26	6°956'46	0°50'20
	1916 Dec 01 17:10	0°る		minimum elong	1921 Jun 29 04:51	6°954'09	0°50'19
evening set	1916 Dec 25 02:15	17° る 56'57		max. Earth dist.	1921 Jul 19 10:16	20°©13'41	2.61785 AU
	1917 Jan 09 12:55 1917 Feb 16 13:33	0° ≈ 0° 升		morning rise	1921 Aug 03 11:01 1921 Aug 17 11:10	0° Ω 9° Ω 01'08	
	191/160 10 13.33	υχ		morning rise	1921 Aug 17 11:10 1921 Sep 19 11:40	0° m)	
conjunction	1917 Feb 28 21:09	9°) 43'42	-1°00'27		1921 Nov 06 16:13	0° م	
minimum elong	1917 Feb 28 23:25	9°) (48'10			1921 Dec 26 11:48	0°M	
Č	1917 Mar 26 17:40	$0^{\circ}\mathbf{\Upsilon}$			1922 Feb 18 16:15	0° ∡ ¹	
max. Earth dist.	1917 Apr 10 19:47	11° Y 40'31	2.38097 AU	desc. node	1922 Apr 15 00:45	22° ₰ 16'02	
	1917 May 04 22:14	9° 8		retrograde	1922 May 08 06:09	25° х 16′20	
morning rise	1917 May 10 03:46	3° 8 54'53		opposition	1922 Jun 10 14:10	18° ≯ 53′23	-2°57'17
	1917 Jun 14 20:57	$\Pi^{\circ 0}$		greatest brilliancy	1922 Jun 11 11:05	18° ∡ ³36′19	-2.4m
asc. node	1917 Jun 23 09:45	6° Ⅱ 03'26		min. Earth dist.	1922 Jun 18 22:37	16° √ 10′21	0.45595 AU
	1917 Jul 28 04:00	$0 {\circ} {\mathcal U}$		direct	1922 Jul 17 02:12	11° ₹ 06'08	
	1917 Sep 12 10:52 1917 Nov 02 11:00	0°mo			1922 Sep 13 13:02 1922 Oct 30 18:54	0°る 0°≈	
	1917 Nov 02 11:00 1918 Jan 11 08:55	0∘ ত بالا			1922 Dec 11 13:10	0 ∞ 0° ∀	
retrograde	1918 Feb 03 23:01	ა _ 3° ჲ 03'54			1923 Jan 21 10:07	0° Υ	
	1918 Feb 25 19:00	30°R, Mp		asc. node	1923 Feb 13 06:05	16° Ƴ 34'17	
opposition	1918 Mar 15 06:44	23° m 52'48	3°47'41		1923 Mar 04 00:41	9° 8	
greatest brilliancy	1918 Mar 15 16:54	23° Mp 42'48	-1.3m		1923 Apr 16 02:54	$\Pi^{\circ}0$	
min. Earth dist.	1918 Mar 18 11:27	22° m 37'25	0.66130 AU		1923 May 30 21:19	0 \circ \odot	
direct	1918 Apr 25 16:44	13° m 50'58		evening set	1923 Jun 21 18:57	14° © 19'27	
	1918 Jun 23 19:19	0∘ ত			1923 Jul 16 01:25	0 ° Ω	
desc. node	1918 Jul 11 03:02	8° ≏ 35'19			1000 1 00 10 05	1.50 0 1.00 1	1000112
	1918 Aug 17 04:16	0°M₊		conjunction	1923 Aug 08 19:35	15° Ω 12'24	1°08'43
	1918 Oct 01 07:42 1918 Nov 11 10:13	0°る 2°0		minimum elong max. Earth dist.	1923 Aug 08 19:23 1923 Aug 13 01:00	15° Ω 12'05 17° Ω 54'11	1°08'44 2.67039 AU
	1918 Nov 11 10.13 1918 Dec 20 09:05	0°≈		man. Bartii Uist.	1923 Sep 01 00:57	0° Mp	4.01037 AU
	1919 Jan 27 11:20	0° ∺		morning rise	1923 Sep 01 00:37 1923 Sep 22 23:14	13° m) 56'53	
evening set	1919 Mar 06 04:06	29°) (31'33			1923 Oct 18 04:17	0₀ ʊ	
Č	1919 Mar 06 18:48	0° Υ			1923 Dec 04 02:11	0°M	
	1919 Apr 15 05:00	9° 8			1924 Jan 19 19:05	0° ∡ 7	
				desc. node	1924 Mar 02 00:08	26° ₹ 58'14	
conjunction	1919 May 09 18:11	18° 8 03'21			1924 Mar 06 19:02	0°₹	
minimum elong	1919 May 09 18:18	18° 8 03'33	0°01'02		1924 Apr 24 15:58	0° ≈	
behind sun begin	1919 May 08 16:41	17° 8 17'08			1924 Jun 24 16:27	0° ∀	

	1024 I-1 24 11-01	5° ¥ 18'37			1020 0-4 06 12:27	00 m	
retrograde	1924 Jul 24 11:01	0° ∺ 15'01	(0.4.412.1	. ,	1929 Oct 06 12:27	0°M	
opposition	1924 Aug 23 17:02			evening set	1929 Oct 13 18:47	4°M56'47	
min. Earth dist.	1924 Aug 22 23:45		0.37285 AU	desc. node	1929 Oct 22 20:53	11°M11'57	2 50024 444
greatest brilliancy	1924 Aug 23 16:14	0° ★ 15'32	-2.9m	max. Earth dist.	1929 Oct 29 04:14	15°M34'59	2.50824 AU
	1924 Aug 24 15:38	30°R≈			1929 Nov 18 13:29	0° ∡ 7	
direct	1924 Sep 22 09:15	25°≈19'50				=	
	1924 Oct 19 18:42	0° ∀		conjunction	1929 Dec 03 07:11	10° ∡ ³39′10 −	
	1924 Dec 19 11:09	0° Υ		minimum elong	1929 Dec 03 06:01	10° ∡ ³37′02	0°24'41
asc. node	1924 Dec 31 05:36	7° Y 08'51			1929 Dec 29 10:45	0°る	
	1925 Feb 05 10:17	0°8		morning rise	1930 Jan 28 08:40	22° る 44'36	
	1925 Mar 24 00:42	$\Pi^{\circ}0$			1930 Feb 06 18:21	0° ≈	
	1925 May 09 22:43	0°©			1930 Mar 17 05:55	0° ∀	
	1925 Jun 26 09:07	$0^{\circ}\Omega$			1930 Apr 24 17:27	0° Y	
evening set	1925 Jul 29 20:39	21° Ω 07'30			1930 Jun 03 03:15	$_{0\circ}$ 8	
	1925 Aug 12 21:12	0° m			1930 Jul 14 12:54	Π $\circ 0$	
max. Earth dist.	1925 Sep 04 05:04	14° Mp 12'29	2.66824 AU	asc. node	1930 Aug 23 02:26	26° Ⅲ 35′12	
					1930 Aug 28 11:27	0 \circ \odot	
conjunction	1925 Sep 13 11:31	20° M 08'26	0°59'09		1930 Oct 20 14:43	$\mathfrak{O}^{\circ}\mathfrak{O}$	
minimum elong	1925 Sep 13 12:29	20° m/10'00	0°59'09	retrograde	1930 Dec 18 13:45	16° Ω 48'44	
	1925 Sep 28 19:01	0∘ ত		min. Earth dist.	1931 Jan 25 14:13	7° Ω 47'01	0.66214 AU
morning rise	1925 Oct 27 21:40	18° ≏ 58'20		opposition	1931 Jan 27 19:06	6° Ω 54'00	4°29'51
-	1925 Nov 13 14:02	0°M.		greatest brilliancy	1931 Jan 27 09:56	7° Ω 03'11	-1.4m
	1925 Dec 28 00:35	0° ∡ ¹		,	1931 Feb 16 14:27	30°Rூ	
desc. node	1926 Jan 17 22:47	14° × ⁷ 27'01		direct	1931 Mar 08 13:52	27° © 25'48	
	1926 Feb 09 03:34	0°ਰ			1931 Mar 30 03:47	0°N	
	1926 Mar 23 04:39	0° ≈			1931 Jun 10 14:58	0° m)	
	1926 May 03 17:03	0°) €			1931 Aug 01 16:37	مار <u>م</u>	
	1926 Jun 15 00:50	0° Υ		desc. node	1931 Sep 09 20:08	0 — 24° Ω 59'10	
	1926 Aug 01 09:14	0°8		dese. Hode	1931 Sep	0°M	
retrograde	1926 Sep 29 05:43	19° 8 27'26			1931 Sep 17 08:43 1931 Oct 30 12:46	0° ⊼ ¹	
•	1926 Sep 29 03:43 1926 Oct 27 05:06	19 8 27 26	0.45882 AU	avanina aat	1931 Dec 02 04:25	0 x . 24° ∡ 00'17	
min. Earth dist.		14 8 04 09		evening set		24 x・0017 0°る	
opposition	1926 Nov 04 09:30	_		E 4 E 4	1931 Dec 10 03:10		2 20270 ATT
greatest brilliancy	1926 Nov 04 04:06	11° 8 17'21	-2.4m	max. Earth dist.	1932 Jan 01 23:24		2.38278 AU
asc. node	1926 Nov 18 04:10	6° 8 56'11			1932 Jan 18 00:34	0° ≈	
direct	1926 Dec 07 02:25	4° 8 31'24			1000 7 1 01 05 01		100.4100
	1927 Feb 22 00:43	0°II		conjunction	1932 Feb 01 05:31	11°≈09'12	
	1927 Apr 17 01:29	0°99		minimum elong	1932 Feb 01 04:50	11°≈07'51	1°04'22
	1927 Jun 06 11:36	0 $^{\circ}$ Ω			1932 Feb 25 02:36	0° ∀	
	1927 Jul 25 07:47	0° т р			1932 Apr 03 07:02	0° Υ	
evening set	1927 Sep 04 21:56	26° m 20'03		morning rise	1932 Apr 11 07:47	6° Y 14'10	
	1927 Sep 10 14:19	0ಂ ರ			1932 May 12 10:53	9° 8	
max. Earth dist.	1927 Sep 28 19:20	11° ≏ 52'23	2.61267 AU		1932 Jun 22 09:19	Π °0	
				asc. node	1932 Jul 10 00:30	12° Ⅱ 25′08	
conjunction	1927 Oct 21 02:09	26° ≏ 40'58	0°26'01		1932 Aug 04 19:52	0	
minimum elong	1927 Oct 21 03:02	26° ≏ 42'26	0°25'59		1932 Sep 20 19:43	$0^{\circ}\Omega$	
	1927 Oct 26 00:20	0° M ₊			1932 Nov 13 21:25	0° m y	
desc. node	1927 Dec 05 21:27	28°M₁11'30		retrograde	1933 Jan 21 01:28	20° Mp 17'01	
morning rise	1927 Dec 07 06:55	29°M10'27		opposition	1933 Mar 01 20:28	10° m 49'21	4°14'31
	1927 Dec 08 11:01	0° ∡ ¹		greatest brilliancy	1933 Mar 02 02:01	10°M/43'51	-1.3m
	1928 Jan 19 02:02	8°0		min. Earth dist.	1933 Mar 03 13:00	10° m)09'11	0.67460 AU
	1928 Feb 28 06:30	0° ≈		direct	1933 Apr 12 02:17	0° m ,51'39	
	1928 Apr 07 14:27	0° ∀			1933 Jul 06 22:02	0∘ ⊽	
	1928 May 16 21:35	$0^{\circ}\mathbf{\Upsilon}$		desc. node	1933 Jul 27 18:30	11° ≏ 46'48	
	1928 Jun 26 09:04	$B_{\circ 0}$			1933 Aug 26 06:34	0° M	
	1928 Aug 09 04:09	$\Pi^{\circ}0$			1933 Oct 09 11:35	0° ∡ ¹	
	1928 Oct 03 03:46	0°ಅ			1933 Nov 19 07:18	8°0	
asc. node	1928 Oct 05 03:26	0°9548'25			1933 Dec 28 03:43	0° ≈	
retrograde	1928 Nov 12 04:13	9° © 17'23			1934 Feb 04 04:13	0°) €	
min. Earth dist.	1928 Dec 15 14:28	1°5649'11	0.58497 AU	evening set	1934 Feb 05 19:28	1°) 17'32	
	1928 Dec 20 05:23	30° Ŗ Ⅱ	-	J	1934 Mar 14 09:08	0° Υ	
opposition	1928 Dec 21 13:35	29° ∏ 28'15	3°12'28			•	
greatest brilliancy	1928 Dec 20 19:55	29° II 45'40		conjunction	1934 Apr 14 13:54	23° Y 55'34	-0°27'40
direct	1929 Jan 27 12:02	20° Ⅲ 59'18	-	minimum elong	1934 Apr 14 16:09	23° Y 59'48	
~~~ * * *	1929 Mar 10 23:18	0°95			1934 Apr 22 15:40	0°8	
	1929 May 13 02:32	0° <b>U</b>		asc. node	1934 May 28 00:25	25° <b>8</b> 56'50	
	1929 Jul 04 10:03	0° m/y		max. Earth dist.	1934 Jun 02 11:06	29° <b>8</b> 50'39	2.46054 AU
	1929 Aug 21 21:51	0° <b>ت</b> راآا		max. Larm dist.	1934 Jun 02 16:21	29 <b>O</b> 3039	2.40054 AU
		· —			1757 Jun 02 10.21	· <u> </u>	

morning rise	1934 Jun 17 00:15	10° <b>Ⅱ</b> 07'43		direct	1939 Aug 23 23:58	23° <b>る</b> 55'06	
	1934 Jul 15 21:33	$0$ $\circ$ $\odot$			1939 Sep 24 01:13	0° <b>≈</b>	
	1934 Aug 30 13:43	$0^{\circ}\Omega$			1939 Nov 19 15:56	0° <b>∀</b>	
	1934 Oct 18 04:59	0° m/			1940 Jan 04 00:05	$0^{\circ}\Upsilon$	
				1			
	1934 Dec 11 09:32	0∘ <b>ত</b>		asc. node	1940 Jan 17 21:03	9° <b>Y</b> 26′27	
retrograde	1935 Feb 27 12:11	24° <b>£</b> 37′00			1940 Feb 17 01:54	$9^{\circ}$ 8	
opposition	1935 Apr 06 17:34	15° <b>≏</b> 59'21	2°37'48		1940 Apr 01 18:41	$\Pi$ $\circ 0$	
greatest brilliancy	1935 Apr 07 06:39	15° <b>≏</b> 46'46	-1.5m		1940 May 17 14:45	$0$ $\circ$ $\odot$	
min. Earth dist.	1935 Apr 12 04:59	13° <b>≏</b> 53'13	0.62102 AU		1940 Jul 03 10:32	$0^{\circ}\Omega$	
		6° <b>₽</b> 03'08	0.02102110	avanina aat	1940 Jul 15 03:50	7° <b>Ω</b> 27'11	
direct	1935 May 17 21:37			evening set			
desc. node	1935 Jun 14 17:00	10° <b>≏</b> 26'24			1940 Aug 19 15:58	0° <b>m</b>	
	1935 Jul 29 17:32	$0^{\circ}$ M.		max. Earth dist.	1940 Aug 26 06:42	4° Mp 12′23	2.67559 AU
	1935 Sep 16 12:59	0° <b>∡</b> ¹					
	1935 Oct 28 18:22	0°ರ		conjunction	1940 Aug 30 08:30	6° Mp 48′03	1°05'51
	1935 Dec 07 04:33	0° <b>≈</b>		minimum elong	1940 Aug 30 09:07	6° m/49'03	1°05'52
		0° <b>∺</b>		minimum ciong		0° <b>ʊ</b>	1 03 32
	1936 Jan 14 13:59				1940 Oct 05 14:21		
	1936 Feb 22 04:09	$0$ ° $\mathbf{\gamma}$		morning rise	1940 Oct 13 16:47	5° <b>£</b> 13'29	
	1936 Apr 01 21:30	$9^{\circ}$ 8			1940 Nov 20 17:16	0° <b>M</b>	
asc. node	1936 Apr 13 23:57	8° <b>8</b> 53'48			1941 Jan 04 19:42	0° <b>∡</b> ¹	
evening set	1936 Apr 14 02:51	8° <b>8</b> 59'06		desc. node	1941 Feb 03 14:26	20° <b>√</b> 10'12	
e vennig see	1936 May 13 09:17	0°II		dese. Hode	1941 Feb 17 23:32	0°중	
	1930 May 13 09.17	υц					
					1941 Apr 02 11:45	0° <b>≈</b>	
conjunction	1936 Jun 11 00:01	19° <b>Ⅱ</b> 52'47	0°34'21		1941 May 16 05:05	0° <b>∀</b>	
minimum elong	1936 Jun 10 22:25	19° <b>Ⅲ</b> 50′02	0°34'20		1941 Jul 02 05:17	$0^{\circ}$ $\Upsilon$	
	1936 Jun 25 21:53	0ං <b>ව</b>		retrograde	1941 Sep 06 18:34	23° <b>Y</b> 43'12	
max. Earth dist.	1936 Jul 08 17:15	8°634'12	2.58252 AU	min. Earth dist.	1941 Oct 03 07:26	19° <b>Ƴ</b> 04'11	0.41046 AU
			2.30232 110			16° <b>Y</b> 49'03	
morning rise	1936 Aug 02 00:50	24°934'11		opposition	1941 Oct 10 12:47		
	1936 Aug 10 09:43	$0^{\circ}\Omega$		greatest brilliancy	1941 Oct 09 18:30	17° <b>Y</b> 03′23	-2.7m
	1936 Sep 26 14:51	0° m/		direct	1941 Nov 10 08:33	11° <b>Ƴ</b> 04'28	
	1936 Nov 14 14:52	0∘ <b>⊽</b>		asc. node	1941 Dec 04 21:07	14° <b>Ƴ</b> 42'34	
	1937 Jan 05 20:39	0°M,			1942 Jan 11 22:20	0°8	
	1937 Mar 13 03:16	0° <b>×</b> 7			1942 Mar 07 08:04	0°II	
, 1							
retrograde	1937 Apr 14 14:42	5° <b>≯</b> 32'01			1942 Apr 26 06:18	0ංම	
desc. node	1937 May 01 16:12	3° <b>∡</b> ⁴43'01			1942 Jun 14 03:55	$0^{\circ}\Omega$	
	1937 May 14 22:52	30°RML			1942 Aug 01 08:27	0° <b>m</b> ∕	
opposition	1937 May 19 18:37	28°M20'36	-0°53'02	evening set	1942 Aug 21 10:07	12° <b>m</b> 41'09	
greatest brilliancy	1937 May 20 01:09	28°M14'51	-2.1m	Č	1942 Sep 17 10:10	$0$ $\circ$ $\overline{f v}$	
min. Earth dist.		25°M24'43		max. Earth dist.			2 (4070 ATT
	1937 May 28 03:32		0.50854 AU	max. Earth dist.	1942 Sep 18 17:45	0° <b>£</b> 51′07	2.64078 AU
direct	1937 Jun 27 10:09	19°M31'54					
	1937 Aug 08 22:14	0°⊀		conjunction	1942 Oct 06 00:06	12° <b>≏</b> 06'36	0°41'26
	1937 Sep 30 09:08	ರ∘ರ		minimum elong	1942 Oct 06 01:14	12° <b>≏</b> 08'27	0°41'26
	1937 Nov 11 18:31	0° <b>≈</b>			1942 Nov 01 22:36	0°M.	
	1937 Dec 21 17:46	0° <b>)</b> €		morning rise	1942 Nov 20 14:32	12°M38'54	
		0° <b>Υ</b>		morning rise	1942 Dec 15 16:51	0° <b>∡</b> 7	
,	1938 Jan 30 12:44			, ,			
asc. node	1938 Mar 01 22:01	22° <b>Y</b> 26′51		desc. node	1942 Dec 22 13:54	4° <b>∡</b> ¹49'27	
	1938 Mar 12 07:48	$9^{\circ}$ 8			1943 Jan 26 19:10	0°ප	
	1938 Apr 23 18:39	$\Pi$ $^{\circ}0$			1943 Mar 08 12:42	0° <b>≈</b>	
evening set	1938 Jun 04 21:53	28° <b>Ⅲ</b> 34'14			1943 Apr 17 10:25	0° <b>∀</b>	
Č	1938 Jun 07 01:28	0°9			1943 May 27 09:25	$0^{\circ}\Upsilon$	
	1938 Jul 22 22:26	$0^{\circ}\Omega$			1943 Jul 07 23:05	0°8	
	1930 Jul 22 22:20	0 06					
					1943 Aug 23 23:58	$\Pi^{\circ}0$	
conjunction	1938 Jul 24 19:08	1° <b>Ω</b> 12'05	1°05'12	asc. node	1943 Oct 22 18:55	22° <b>Ⅱ</b> 01'16	
minimum elong	1938 Jul 24 18:19	1° <b>Ω</b> 10'46	1°05'12	retrograde	1943 Oct 28 05:16	22° <b>Ⅱ</b> 13'56	
max. Earth dist.	1938 Aug 03 18:10	7°Ω36'32	2.65618 AU	min. Earth dist.	1943 Nov 28 13:14	15° <b>Ⅱ</b> 31'36	0.53945 AU
	1938 Sep 07 20:22	0° m		opposition	1943 Dec 05 18:31	12° <b>Ⅱ</b> 45'25	2°05'03
	-						
morning rise	1938 Sep 09 02:10	0° mp 47'18		greatest brilliancy	1943 Dec 05 04:02	12° <b>Ⅱ</b> 59'19	-2.0m
	1938 Oct 25 06:20	0∘ <b>ಹ</b>		direct	1944 Jan 10 04:37	4° <b>∏</b> 51'25	
	1938 Dec 11 23:25	0° <b>M</b>			1944 Mar 28 09:54	0ංම	
	1939 Jan 29 09:49	0° <b>∡</b> ¹			1944 May 22 14:16	$0^{\circ}\Omega$	
desc. node	1939 Mar 19 15:17	29° <b>∡</b> 03'42			1944 Jul 12 02:54	0° m)	
	1939 Mar 21 07:25	0°る			1944 Aug 29 00:23	0∘ <b>ಹ</b> ೧.ಗು	
					•		
	1939 May 25 00:19	0° <b>≈</b>		evening set	1944 Sep 27 13:39	19° <b>≙</b> 18'35	
					1944 Oct 13 12:09	0° <b>M</b> ₊	
retrograde	1939 Jun 22 18:34	4° <b>≈</b> 42'22			1744 OCC 13 12.07	o no	
retrograde	1939 Jun 22 18:34 1939 Jul 21 19:31	4°≈42'22 30°Ŗる		max. Earth dist.	1944 Oct 15 14:26		2.55454 AU
retrograde opposition			-6°17'56	max. Earth dist. desc. node		1°M25'14	2.55454 AU
opposition	1939 Jul 21 19:31 1939 Jul 23 08:03	30°Rる 29°る34'48			1944 Oct 15 14:26		2.55454 AU
C	1939 Jul 21 19:31	30°Rる 29°る34'48 29°る18'41			1944 Oct 15 14:26	1°M25'14	

minimum alana	1044 Nov. 14, 19,19	220 <b>m</b> 16114	0002147		1040 San 07 04:51	$0^{\circ}\Omega$	
minimum elong behind sun begin	1944 Nov 14 18:18 1944 Nov 13 21:50	22°M16'14 21°M40'14	0.034/		1949 Sep 07 04:51 1949 Oct 27 00:58	0° <b>m</b> y	
behind sun end	1944 Nov 15 21:30 1944 Nov 15 14:47	21° M 52'15			1949 Dec 26 05:23	0∘ <b>ت</b> ۱۱۱۸	
ocimia sun cha	1944 Nov 25 16:11	0° <b>₹</b>		retrograde	1949 Dec 20 05:23 1950 Feb 12 05:48	0 <b>=</b> 11° <b>⊆</b> 02'25	
morning rise	1945 Jan 05 07:38	29° <b>х</b> 37'53		opposition	1950 Mar 23 05:44	2° <b>£</b> 01'59	3°25'54
morning risc	1945 Jan 05 19:31	0°る		greatest brilliancy	1950 Mar 23 17:38		-1.4m
	1945 Feb 14 09:57	0° <b>≈</b>		min. Earth dist.	1950 Mar 27 06:10	0° <b>£</b> 27'56	0.64972 AU
	1945 Mar 25 03:43	0° <b>)</b> €		mm. Darm dist.	1950 Mar 28 11:05	30°R, MD	0.01972110
	1945 May 02 20:29	$0^{\circ}\Upsilon$		direct	1950 May 03 15:51	22° m 00'21	
	1945 Jun 11 11:52	0°8			1950 Jun 11 20:26	0∘ <b>⊽</b>	
	1945 Jul 23 08:59	0°II		desc. node	1950 Jul 01 08:48	8° <b>≏</b> 11'52	
	1945 Sep 07 20:56	0ಂತಾ			1950 Aug 10 16:47	0°M	
asc. node	1945 Sep 08 17:59	0° <b>ട</b> 31'10			1950 Sep 25 19:48	0° <b>∡</b> ¹	
	1945 Nov 11 21:04	$0^{\circ}\Omega$			1950 Nov 06 06:40	o°ප	
retrograde	1945 Dec 04 22:49	3° <b>Ω</b> 13'47			1950 Dec 15 08:59	0° <b>≈</b>	
	1945 Dec 26 15:05	30° <b>₹</b> 5			1951 Jan 22 13:05	0° <b>)</b> €	
min. Earth dist.	1946 Jan 10 07:34	24°5945'02	0.63934 AU		1951 Mar 01 22:03	$0^{\circ}$ Y	
greatest brilliancy	1946 Jan 13 10:41	23° <b>©</b> 29'55	-1.5m	evening set	1951 Mar 21 08:09	14° <b>Y</b> 53'58	
opposition	1946 Jan 14 00:52	23° <b>©</b> 15'44	4°13'13		1951 Apr 10 09:37	$0^{\circ}$ 8	
direct	1946 Feb 21 21:12	14° <b>5</b> 06'27		asc. node	1951 May 01 15:27	15° <b>8</b> 37'52	
	1946 Apr 22 19:31	$0 {\circ} \Omega$			1951 May 21 15:32	$\Pi$ $^{\circ}0$	
	1946 Jun 20 08:31	0° <b>™</b>					
	1946 Aug 09 13:17	0∘ <b>ত</b>		conjunction	1951 May 22 13:22	0° <b>Д</b> 38'42	
	1946 Sep 24 16:35	0°M₊		minimum elong	1951 May 22 12:31	0°Ⅱ37'12	0°13'12
desc. node	1946 Sep 26 11:24	1°M12'17		behind sun begin	1951 May 21 22:41	0° <b>Ⅱ</b> 12'41	
	1946 Nov 06 18:22	0° <b>∡</b>		behind sun end	1951 May 23 02:21	1° <b>∏</b> 01'42	
evening set	1946 Nov 11 05:16	3° <b>∡</b> 12′29		max. Earth dist.	1951 Jun 27 11:35		2.53983 AU
max. Earth dist.	1946 Nov 27 09:08		2.42952 AU		1951 Jul 03 23:42	0.22 £13 €	
	1946 Dec 17 10:56	0°ප		morning rise	1951 Jul 17 07:03	8°\$55'26	
. ,.	1047 1 06 07 15	15070001	0054127		1951 Aug 18 10:55	0° <b>N</b>	
conjunction	1947 Jan 06 07:15	15°る08'01 15°る03'54			1951 Oct 05 00:20 1951 Nov 24 06:11	0 <b>்⊽</b> 0° <b>™</b>	
minimum elong	1947 Jan 06 05:07 1947 Jan 25 11:44	13° <b>⊘</b> 03′34	0-34-27			0° <b>11</b>	
	1947 Jan 23 11:44 1947 Mar 04 16:46	0 <b>≈</b> 0° <b>∺</b>		retrograde	1952 Jan 20 01:33 1952 Mar 25 11:07	18°M28'31	
morning rise	1947 Mar 04 16.46	6° <b>₩</b> 15'15		opposition	1952 May 01 01:31	10°M37'24	0°46'08
morning risc	1947 Apr 11 23:02	0° <b>Υ</b>		greatest brilliancy	1952 May 01 07:31 1952 May 01 07:22	10°M32'01	-1.9m
	1947 May 21 03:39	0°8		min. Earth dist.	1952 May 01 07:22 1952 May 08 13:26	7°M52'06	0.55825 AU
	1947 Jul 01 03:34	0°II		desc. node	1952 May 18 07:21	4°M38'28	0.55025 110
asc. node	1947 Jul 27 18:11	18° <b>Ⅲ</b> 31'22		direct	1952 Jun 10 02:45	1°M09'55	
use. Hour	1947 Aug 13 21:26	0°ಅ			1952 Aug 27 18:53	0° <b>∡</b> 7	
	1947 Oct 01 02:30	$0^{\circ}\Omega$			1952 Oct 12 04:45	5°0	
	1947 Dec 01 11:44	0° <b>m</b>			1952 Nov 21 19:39	0° <b>≈</b>	
retrograde	1948 Jan 08 13:49	7° m/36'36			1952 Dec 30 21:35	0° <b>)</b> €	
	1948 Feb 12 10:28	30°R <b>Ω</b>			1953 Feb 08 01:07	$0^{\circ}\Upsilon$	
opposition	1948 Feb 17 16:16	27° <b>Ω</b> 55'33	4°29'44	asc. node	1953 Mar 18 15:01	28° <b>Ƴ</b> 47'02	
greatest brilliancy	1948 Feb 17 16:10	27° <b>Ω</b> 55'38	-1.3m		1953 Mar 20 06:54	$9^{\circ}$ 8	
min. Earth dist.	1948 Feb 17 20:08	27° <b>Ω</b> 51'41	0.67758 AU		1953 May 01 06:08	$\Pi$ $^{\circ}0$	
direct	1948 Mar 29 12:33	18° <b>Ω</b> 06′13		evening set	1953 May 17 11:16	11° <b>Ⅱ</b> 13'59	
	1948 May 18 20:53	0° <b>m</b>			1953 Jun 14 03:49	$0$ $\circ$	
	1948 Jul 17 05:25	0∘ <b>ত</b>					
desc. node	1948 Aug 13 10:05	16° <b>≏</b> 24'39		conjunction	1953 Jul 08 21:00	16°©22'03	
	1948 Sep 03 13:58	0° <b>M</b>		minimum elong	1953 Jul 08 19:38		0°57'10
	1948 Oct 17 05:43	0° <b>∡</b>		max. Earth dist.	1953 Jul 25 06:45	27° <b>©</b> 04'04	2.63373 AU
	1948 Nov 26 21:59	5°0			1953 Jul 29 19:25	0°Ω	
	1949 Jan 04 17:50	0° <b>≈</b>		morning rise	1953 Aug 25 20:40	17° <b>Ω</b> 22'10	
evening set	1949 Jan 08 21:04	3°≈14'48			1953 Sep 14 17:59	0° <b>m</b>	
	1949 Feb 11 18:05	0° <b>∀</b>			1953 Nov 01 14:19	0∘ <b>m</b>	
conjunction	1949 Mar 17 10:14	26° <b>₩</b> 29'56	0°51'26		1953 Dec 20 11:22 1954 Feb 09 19:17	0° <b>M</b> 0° <b>∡</b> 7	
conjunction minimum elong	1949 Mar 17 10:14 1949 Mar 17 13:28	26° <del>X</del> 29'36 26° <del>X</del> 36'13		desc. node	1954 Feb 09 19:17 1954 Apr 05 07:24	0° <b>×</b> ′ 27° <b>×7</b> 07'40	
mmmum elong	1949 Mar 17 13:28 1949 Mar 21 22:02	26°π36°13 0°Υ	0 31 24	desc. Hode	1954 Apr 05 07:24 1954 Apr 12 16:28	2/°×'0/'40 0°る	
	1949 Mai 21 22.02 1949 Apr 30 02:33	0° <b>႘</b>		retrograde	1954 May 23 12:47	0 8° <b>そ</b> 31'55	
max. Earth dist.	1949 May 07 01:22	5° <b>8</b> 11'57	2.40685 AU	opposition	1954 Jun 24 17:21	2°る38'28	-4°15'48
morning rise	1949 May 24 21:02	18° <b>8</b> 20'00	2.10003710	greatest brilliancy	1954 Jun 25 20:20	2°る17'33	
	1949 Jun 10 00:57	0°II		min. Earth dist.	1954 Jul 02 07:55		0.42780 AU
asc. node	1949 Jun 13 16:51	2° <b>I</b> I36'36			1954 Jul 03 07:23	30°R. <b>✓</b>	
	1949 Jul 23 05:54	0.8e		direct	1954 Jul 29 15:20	25° <b>₹</b> 35'22	

	1954 Aug 24 13:22	0°る		conjunction	1959 Oct 30 01:46	5°M53'14	
	1954 Oct 21 12:03	0° <b>≈</b>		minimum elong	1959 Oct 30 02:21	5°M54'14	0°15'46
	1954 Dec 04 07:41	0° <b>)</b> €		behind sun begin	1959 Oct 29 22:04	5°M46'55	
	1955 Jan 15 04:33	0°Υ		behind sun end	1959 Oct 30 06:38	6°M01'32	
asc. node	1955 Feb 03 13:04	13° <b>Y</b> 49'56		desc. node	1959 Nov 26 04:00	24°M38'40	
	1955 Feb 26 10:22	0° <b>Β</b>			1959 Dec 03 18:09	0° 🗷	
	1955 Apr 10 23:09	0°© 0°∏		morning rise	1959 Dec 17 12:21	9° <b>∡</b> 749'00	
avanina aat	1955 May 26 00:50				1960 Jan 14 04:59	ිද 0°00	
evening set	1955 Jun 30 21:28	23°©15'46			1960 Feb 23 04:11	0° <b>∺</b>	
	1955 Jul 11 09:22	$0$ ° $\Omega$			1960 Apr 02 06:24	0° <b>Υ</b>	
conjunction	1055 Aug 17 02:46	23° <b>Ω</b> 26'16	1000140		1960 May 11 07:19 1960 Jun 20 09:05	0°8	
minimum elong	1955 Aug 17 02:46	$23^{\circ} \Omega 26'27$			1960 Aug 02 04:32	0°U	
max. Earth dist.	1955 Aug 17 02:53 1955 Aug 18 07:05		2.67465 AU		1960 Sep 21 04:06	0°©	
max. Earm dist.	1955 Aug 27 10:13	0° Mp	2.07403 AU	asc. node	1960 Sep 21 04:00 1960 Sep 25 11:02	0 S 2°S10'17	
morning rise	1955 Sep 30 20:17	21° Mp 55'40		retrograde	1960 Nov 20 17:04	18°939'14	
morning risc	1955 Oct 13 11:19	ე° <b>ი</b>		min. Earth dist.	1960 Nov 20 17:04 1960 Dec 25 05:40	10°548'15	0.60681 AU
	1955 Nov 29 01:33	0°M		opposition	1960 Dec 30 10:21	8°9344'34	3°40'29
	1956 Jan 14 02:28	0° <b>⊼</b> 1		greatest brilliancy	1960 Dec 29 17:01	9°901'46	-1.6m
desc. node	1956 Feb 21 06:41	25° <b>∡</b> ¹02'34		greatest offinalicy	1961 Feb 05 00:25	9 <b>3</b> 01 40	-1.0111
desc. Hode	1956 Feb 28 20:05	23 <b>メ</b> ・02 34		direct	1961 Feb 05 00:25 1961 Feb 06 02:51	29° <b>∏</b> 59'33	
	1956 Apr 14 23:40	0°≈		direct	1961 Feb 07 05:23	0° <b>9</b>	
	1956 Jun 03 07:51	0 <b>∞</b>			1961 May 06 01:13	0°Ω	
retrograde	1956 Aug 10 16:18	23° <b>)</b> 39′23			1961 Jun 28 23:47	0°mp	
min. Earth dist.	1956 Sep 07 04:48		0.37809 AU		1961 Aug 17 00:41	0∘ <b>ʊ</b> 0 ıııı	
opposition	1956 Sep 10 21:58	18° <b>)</b> (1018			1961 Oct 01 20:02	0° <b>m</b> .	
greatest brilliancy	1956 Sep 10 21:38 1956 Sep 10 08:02	18° <b>)</b> 18'21		desc. node	1961 Oct 01 20:02 1961 Oct 13 02:57	7°M41'35	
direct	1956 Oct 10 10:06	13° <b>X</b> 09'05	-2.9111	evening set	1961 Oct 23 14:15	14°M56'08	
direct	1956 Dec 06 11:24	15 <b>χ</b> 0905		max. Earth dist.	1961 Nov 07 04:13	25°M11'38	2.48096 AU
asc. node	1956 Dec 21 12:01	7° <b>Υ</b> 49'58		max. Earth dist.	1961 Nov 13 21:50	0° <b>x</b> ⁷	2.48090 AU
asc. nouc	1950 Dec 21 12:01 1957 Jan 28 14:19	0° <b>8</b>			1901 NOV 13 21.30	0 🗴	
	1957 Mar 17 21:34	0°II		conjunction	1961 Dec 14 18:29	22° <b>∡</b> ³32'35	-0°36'30
	1957 May 04 15:22	0°©		minimum elong	1961 Dec 14 16:45	22° 🖈 32 33	
	1957 Jun 21 12:18	0°N		minimum ciong	1961 Dec 24 17:50	0°る	0 302)
evening set	1957 Aug 07 03:16	29° <b>Ω</b> 18'37			1961 Bec 24 17:30 1962 Feb 01 23:06	0°≈	
evening set	1957 Aug 07 05:10 1957 Aug 08 05:27	0° m		morning rise	1962 Feb 11 21:55	0 ∞ 7°≈44'35	
max. Earth dist.	1957 Sep 09 11:53		2.66074 AU	morning risc	1962 Mar 12 07:58	0° <b>∺</b>	
max. Lartii dist.	1737 Sep 07 11.33	20 m/32 17	2.000/4 AC		1962 Apr 19 16:58	0°Υ	
conjunction	1957 Sep 21 14:29	28° Mp 19'46	0°53'36	greatest brilliancy	1962 Apr 24 14:27	3° <b>Υ</b> 47'27	1.2m
minimum elong	1957 Sep 21 15:34	28° m) 21'32		greatest orimancy	1962 May 28 23:47	0°8	1.2111
minimum clong	1957 Sep 24 04:31	0° <u>م</u>	0 33 30		1962 Jul 09 03:50	0°II	
morning rise	1957 Nov 05 06:39	0 <b>—</b> 27° <b>Ω</b> 36'03		asc. node	1962 Aug 13 09:19	24° <b>∏</b> 04'25	
morning risc	1957 Nov 08 21:04	0°M		asc. node	1962 Aug 22 11:37	0°95	
	1957 Dec 23 01:29	0° <b>⊼</b>			1962 Oct 11 23:54	$0 {\circ} {\mathfrak V}$	
desc. node	1958 Jan 08 04:54	11° <b>∡</b> 13'09		retrograde	1962 Dec 26 06:11	24° <b>Ω</b> 47'55	
dese. Hode	1958 Feb 03 18:57	0° <b>ප</b>		min. Earth dist.	1963 Feb 03 03:18	15° <b>Ω</b> 29'42	0.67044 AU
	1958 Mar 17 07:11	0°≈		opposition	1963 Feb 04 11:57	14° <b>Ω</b> 57'01	4°33'24
	1958 Apr 27 02:31	0° <b>∀</b>		greatest brilliancy	1963 Feb 04 05:59	15° <b>Ω</b> 03'00	
	1958 Jun 07 06:21	0° <b>Υ</b>		direct	1963 Mar 16 17:21	5° <b>Ω</b> 20'08	
	1958 Jul 21 07:03	0°8			1963 Jun 03 06:30	0° m)	
	1958 Sep 21 05:26	0°II			1963 Jul 27 04:14	0° <b>ت</b> مار	
retrograde	1958 Oct 10 09:46	2° <b>П</b> 32'08		desc. node	1963 Aug 31 01:15	21° <b>≏</b> 53'01	
1011081440	1958 Oct 29 00:01	30° <b>₹</b> 8		dese. node	1963 Sep 12 09:11	0°M	
asc. node	1958 Nov 08 12:04	26° <b>8</b> 41'33			1963 Oct 25 17:31	0° <b>∡</b> 7	
min. Earth dist.	1958 Nov 08 13:10	26° <b>8</b> 40'34	0.48770 AU		1963 Dec 05 09:03	° ਨ ਹ	
opposition	1958 Nov 16 14:32	23° <b>8</b> 44'11	0°26'09	evening set	1963 Dec 15 07:33	7° <b>る</b> 34'03	
greatest brilliancy	1958 Nov 16 10:57	23° <b>8</b> 47'27		evening sec	1964 Jan 13 06:13	0° <b>≈</b>	
direct	1958 Dec 20 06:45	16° <b>8</b> 34'40	<del>-</del>				
~======	1959 Feb 10 13:57	0°Ⅱ		conjunction	1964 Feb 17 02:57	27° <b>≈</b> 28'38	-1°04'05
	1959 Apr 10 09:46	0°50		minimum elong	1964 Feb 17 03:57	27°≈30'35	
	1959 Jun 01 02:26	0° <b>U</b>		max. Earth dist.	1964 Feb 19 14:41		2.37046 AU
	1959 Jul 20 11:03	0° mp		unu unu.	1964 Feb 20 07:33	0° <b>)</b> €	,010710
	1959 Sep 05 22:46	0∘ <b>ʊ</b> 0 ıı⁄ı			1964 Mar 29 11:24	0°Υ	
evening set	1959 Sep 13 08:38	0 <b>=</b> 4° <b>£</b> 47'55		morning rise	1964 Apr 27 22:42	22° <b>Υ</b> 41'35	
max. Earth dist.	1959 Oct 04 22:08		2.59396 AU		1964 May 07 14:41	0° <b>8</b>	
Zurur dist.	1959 Oct 21 09:40	0° <b>™</b>	2.0,0,0110		1964 Jun 17 11:43	0°II	
	1,0,000 21 07.70	o no		asc. node	1964 Jun 30 09:11	9° <b>П</b> 08'02	
				400. HOGO	.,0.,0an 50 07.11	× 1100 02	

	1964 Jul 30 18:22	0°9			1969 Nov 04 18:50	0° <b>≈</b>	
	1964 Sep 15 05:22	$0^{\circ}\Omega$			1969 Dec 15 14:22	0° <b>∀</b>	
	1964 Nov 06 03:20	0° <b>т</b> р			1970 Jan 24 21:29	$0^{\circ}\mathbf{\Upsilon}$	
retrograde	1965 Jan 28 22:38	28° Mp 02'47		asc. node	1970 Feb 20 05:35	19° <b>Ƴ</b> 18′27	
opposition	1965 Mar 09 12:29	18° Mp 43'46	4°00'10		1970 Mar 07 01:28	0°8	
greatest brilliancy	1965 Mar 09 20:43	18° <b>m</b> 35'37	-1.3m		1970 Apr 18 18:59	$\Pi^{\circ}0$	
min. Earth dist.	1965 Mar 12 01:08	17° <b>m</b> 43'57	0.66848 AU		1970 Jun 02 06:50	$0_{\circ}$ වෙ	
direct	1965 Apr 19 21:56	8° mp 43'12		evening set	1970 Jun 14 17:37	8°512'19	
	1965 Jun 29 01:12	0∘ <b>ರ</b>			1970 Jul 18 06:43	$0^{\circ}\Omega$	
desc. node	1965 Jul 18 00:27	10° <b>Ω</b> 02'17				_	
	1965 Aug 20 12:16	0°M₊		conjunction	1970 Aug 02 12:01	9° <b>Ω</b> 46'31	1°07'46
	1965 Oct 04 06:46	0° <b>∡</b>		minimum elong	1970 Aug 02 11:33	9° <b>Ω</b> 45'47	1°07'46
	1965 Nov 14 07:19	0°ಕ		max. Earth dist.	1970 Aug 09 04:50	14° <b>Ω</b> 03'48	2.66511 AU
	1965 Dec 23 05:36	0° <b>≈</b>			1970 Sep 03 04:57	0°Щ	
	1966 Jan 30 07:01	0° <b>∀</b>		morning rise	1970 Sep 17 02:08	8° <b>m</b> 49'14	
evening set	1966 Feb 21 22:39	17° <b>)</b> 49′58			1970 Oct 20 10:57	0∘ <b>ত</b>	
	1966 Mar 09 12:55	0° <b>Υ</b>			1970 Dec 06 16:34	0°M₊	
	1966 Apr 17 20:35	$9^{\circ}$ 8			1971 Jan 23 01:34	0° <b>∡</b>	
				desc. node	1971 Mar 09 21:39	28° <b>∡</b> 28′05	
conjunction	1966 Apr 29 05:29	8° <b>8</b> 27'14			1971 Mar 12 10:11	0°る	
minimum elong	1966 Apr 29 06:27	8° <b>8</b> 29'01	0°12′20	_	1971 May 03 20:57	0° <b>≈</b>	
behind sun begin	1966 Apr 28 13:15	7° <b>8</b> 57'15		retrograde	1971 Jul 11 06:30	21°≈57′26	
behind sun end	1966 Apr 29 23:40	9° <b>8</b> 00'45		opposition	1971 Aug 10 06:53	17°≈00'18	
asc. node	1966 May 18 07:56	22° <b>8</b> 24'08		greatest brilliancy	1971 Aug 10 18:34	16°≈52'33	-2.9m
D. d. E.	1966 May 28 22:07	0°II	2 40022 444	min. Earth dist.	1971 Aug 12 02:26	16°≈31'26	0.37570 AU
max. Earth dist.	1966 Jun 12 16:23	10° <b>I</b> I25′26	2.49033 AU	direct	1971 Sep 09 13:51	11°≈53'25	
morning rise	1966 Jun 28 16:13	21° <b>Ⅱ</b> 30′38 0° <b>©</b>			1971 Nov 06 12:31	0° <b>ℋ</b> 0° <b>Ƴ</b>	
	1966 Jul 11 03:15 1966 Aug 25 15:52	0°€		asc. node	1971 Dec 26 18:04 1972 Jan 08 05:14	8° <b>Υ</b> 03'45	
	1966 Oct 12 18:37	0° <b>m</b>		asc. node	1972 Feb 10 14:04	0° <b>8</b>	
	1966 Dec 04 00:55	0∘ <del>ত</del> بالا			1972 Mar 27 04:30	0°II	
	1967 Feb 12 12:20	0° <b>M</b>			1972 May 12 13:14	0°©	
retrograde	1967 Mar 08 17:44	3°M11'42			1972 Jun 28 16:09	0°Ω	
retrograde	1967 Mar 31 06:10	30°R <u>Ω</u>		evening set	1972 Jul 23 15:28	15° <b>Ω</b> 48'27	
opposition	1967 Apr 15 11:30	24° <b>£</b> 48'38	2°02'20	evening set	1972 Aug 15 00:59	0° m	
greatest brilliancy	1967 Apr 15 23:28	24° <b>£</b> 37'17	-1.6m	max. Earth dist.	1972 Aug 31 13:28		2.67262 AU
min. Earth dist.	1967 Apr 21 17:33	22° <b>£</b> 26′26	0.60121 AU	man. Bartir digt.	13,21148 31 13.20	10 .90021	2.07202110
direct	1967 May 26 09:29	14° <b>£</b> 59'05		conjunction	1972 Sep 07 10:57	14° <b>m</b> 54'24	1°02'22
desc. node	1967 Jun 04 23:54	15° <b>£</b> 33'37		minimum elong	1972 Sep 07 11:47	14° m 55'44	1°02'22
	1967 Jul 19 22:56	0° <b>M</b>		Č	1972 Sep 30 23:23	$0$ ° $\overline{\mathbf{v}}$	
	1967 Sep 10 01:44	0° <b>∡</b> ¹		morning rise	1972 Oct 21 18:44	13° <b>≏</b> 29'24	
	1967 Oct 23 02:14	0°ರ		•	1972 Nov 15 22:17	0° <b>M</b>	
	1967 Dec 01 20:12	0° <b>≈</b>			1972 Dec 30 16:12	0° <b>∡</b> ¹	
	1968 Jan 09 09:49	0° <b>∀</b>		desc. node	1973 Jan 24 20:40	17° <b>∡</b> 15′00	
	1968 Feb 17 03:18	$0$ ° $\mathbf{\gamma}$			1973 Feb 12 05:50	0°ප	
	1968 Mar 27 23:43	0°8			1973 Mar 26 20:59	0° <b>≈</b>	
asc. node	1968 Apr 04 05:55	5° <b>8</b> 20'10			1973 May 08 04:09	0° <b>)</b> €	
evening set	1968 Apr 26 23:05	21° <b>8</b> 45'15			1973 Jun 20 20:53	$0$ ° $\Upsilon$	
	1968 May 08 14:14	$\Pi^{\circ}0$			1973 Aug 12 14:56	$9^{\circ}$ 8	
				retrograde	1973 Sep 19 23:19	9° <b>8</b> 16'18	
conjunction	1968 Jun 21 15:47	0° <b>©</b> 18'03	0°44'14	min. Earth dist.	1973 Oct 17 04:05	4° <b>8</b> 14'30	0.43603 AU
minimum elong	1968 Jun 21 14:08	0° <b>©</b> 15'16	0°44'13	opposition	1973 Oct 25 03:27	1° <b>8</b> 34'33	-1°50'19
	1968 Jun 21 05:03	$0$ $\circ$ $\odot$		greatest brilliancy	1973 Oct 24 15:34	1° <b>8</b> 44'32	-2.6m
max. Earth dist.	1968 Jul 15 03:27		2.60321 AU		1973 Oct 29 22:56	30° <b>₹</b> Υ	
	1968 Aug 05 17:07	$0^{\circ}\Omega$		asc. node	1973 Nov 25 03:55	25° <b>Y</b> 18′33	
morning rise	1968 Aug 11 00:10	3° <b>Ω</b> 25'12		direct	1973 Nov 26 00:06	25° <b>Y</b> 18′16	
	1968 Sep 21 18:39	0° <b>т</b> р			1973 Dec 24 08:09	0°8	
	1968 Nov 09 06:09	0° <b>™</b>			1974 Feb 27 10:11	0° <b>Ⅱ</b>	
	1968 Dec 29 22:07	0° <b>M</b> .			1974 Apr 20 08:18	0° <b>©</b>	
1 1	1969 Feb 25 06:21	0° <b>√</b> 7			1974 Jun 09 00:54	0° <b>N</b>	
desc. node	1969 Apr 21 22:26	16° <b>₹</b> 34'35		i	1974 Jul 27 14:04	0° Mp	
retrograde	1969 Apr 27 11:24	16° 🖈 45'36	2001107	evening set	1974 Aug 29 16:43	20° Mp 56'07	
opposition	1969 May 31 15:51	9° <b>₹</b> 59'58 9° <b>₹</b> 47'24		may Earth diet	1974 Sep 12 19:08	0° <b>亞</b>	2 62622 411
greatest brilliancy min. Earth dist.	1969 Jun 01 06:43 1969 Jun 09 04:09	9° <b>×'</b> 47'24 7° <b>×'</b> 07'28	-2.3m 0.47955 AU	max. Earth dist.	1974 Sep 24 11:56	/ ==3003	2.62622 AU
direct	1969 Jul 08 06:07	1° <b>х</b> ¹07′28	0.41333 AU	conjunction	1974 Oct 14 12:56	20° <b>≏</b> 47'58	0°32'50
direct	1969 Sep 21 06:35	1 x・41 33		minimum elong	1974 Oct 14 12:56 1974 Oct 14 13:57	20° <b>£</b> 47'38 20° <b>£</b> 49'38	0°32'50
	1707 Sep 21 00.33	ŷ <b>O</b>		ciong	17,1000 17 13.37	20 -17 30	0 5250

	1974 Oct 28 07:05	0° <b>M</b>			1979 Aug 08 13:28	0° <b>©</b>	
morning rise	1974 Nov 29 22:20	22°M19'16			1979 Aug 08 13:28 1979 Sep 24 21:21	0°Ω	
morning rise	1974 Nov 29 22:20 1974 Dec 10 22:05	0° <b>√</b>			1979 Sep 24 21:21 1979 Nov 19 21:36	0°m)	
JJ.						-	
desc. node	1974 Dec 12 19:19	1° <b>≯</b> 19'31		retrograde	1980 Jan 16 06:18	15° m 20'48	1022105
	1975 Jan 21 18:49	6°0		opposition	1980 Feb 25 05:43	5° Mp 46'43	4°22'05
	1975 Mar 03 05:32	0° <b>≈</b>		greatest brilliancy	1980 Feb 25 08:50	5° Mp 43'37	-1.3m
	1975 Apr 11 19:15	0° <b>\</b>		min. Earth dist.	1980 Feb 26 06:00	5° TD 22'36	0.67731 AU
	1975 May 21 08:14	0° <b>Υ</b>			1980 Mar 11 20:46	30°RΩ	
	1975 Jul 01 03:53	0°8		direct	1980 Apr 06 08:27	25° <b>Ω</b> 52'14	
	1975 Aug 14 20:47	$\Pi^{\circ 0}$			1980 May 04 02:26	0° <b>m</b> )	
asc. node	1975 Oct 13 02:43	28° <b>∏</b> 50'45			1980 Jul 10 17:59	0∘ <b>⊽</b>	
	1975 Oct 17 08:44	0ංම		desc. node	1980 Aug 03 16:21	13° <b>≏</b> 56′23	
retrograde	1975 Nov 06 12:01	2° <b>©</b> 39'53			1980 Aug 29 05:50	0° <b>M</b>	
	1975 Nov 25 18:30	30°RⅡ			1980 Oct 12 06:27	0° <b>∡</b>	
min. Earth dist.	1975 Dec 09 00:03		0.56548 AU		1980 Nov 22 01:42	0°ප	
opposition	1975 Dec 15 13:58	22° <b>Ⅱ</b> 58'12			1980 Dec 30 22:30	0° <b>≈</b>	
greatest brilliancy	1975 Dec 14 20:48	23° <b>Ⅱ</b> 14'56	-1.8m	evening set	1981 Jan 24 09:12	19° <b>≈</b> 16′00	
direct	1976 Jan 20 21:27	14° <b>Ⅱ</b> 43'52			1981 Feb 06 22:48	0° <b>)</b> €	
	1976 Mar 18 13:15	0°€			1981 Mar 17 02:40	$0$ ° $\Upsilon$	
	1976 May 16 11:10	$0$ $^{\circ}\Omega$					
	1976 Jul 06 23:27	O° <b>m</b> y		conjunction	1981 Apr 02 14:13	12° <b>Y</b> ′44'49	-0°38'44
	1976 Aug 24 05:55	0∘ <b>ऌ</b>		minimum elong	1981 Apr 02 17:14	12° <b>Y</b> 50'36	0°38'42
evening set	1976 Oct 06 16:26	28° <b>≏</b> 32'15			1981 Apr 25 07:17	0° <b>႘</b>	
	1976 Oct 08 20:23	0° <b>M</b> ₊		max. Earth dist.	1981 May 23 23:20	21° <b>8</b> 10'18	2.43616 AU
max. Earth dist.	1976 Oct 23 00:37	9° <b>M</b> 40'42	2.52957 AU	asc. node	1981 Jun 03 23:46	29° <b>8</b> 06'55	
desc. node	1976 Oct 29 18:37	14°ML20'57			1981 Jun 05 05:26	$\Pi^{\circ}0$	
	1976 Nov 20 23:53	0° <b>∡</b> ¹		morning rise	1981 Jun 07 10:19	1° <b>Ⅲ</b> 34′22	
					1981 Jul 18 08:54	0°ಲಾ	
conjunction	1976 Nov 25 01:20	2° <b>҂</b> 754'24	-0°15'45		1981 Sep 02 01:52	$0^{\circ}\Omega$	
minimum elong	1976 Nov 25 00:36	2° <b>҂</b> 753'07	0°15'45		1981 Oct 21 01:56	0° <b>m</b>	
behind sun begin	1976 Nov 24 19:16	2° <b>҂</b> ⁴43'32			1981 Dec 16 00:14	0∘ <u>v</u>	
behind sun end	1976 Nov 25 05:57	3° <b>₹</b> 02'41		retrograde	1982 Feb 20 19:13	19° <b>≏</b> 10'48	
	1977 Jan 01 00:42	0°ರ		opposition	1982 Mar 31 10:13	10° <b>≏</b> 22'19	2°59'31
morning rise	1977 Jan 17 22:07	12° <b>る</b> 43'24		greatest brilliancy	1982 Mar 31 23:03	10° <b>Ω</b> 09'53	
8	1977 Feb 09 11:57	0°≈		min. Earth dist.	1982 Apr 05 06:30	8° <b>Ω</b> 29'56	0.63512 AU
	1977 Mar 20 02:19	0° <b>∀</b>		direct	1982 May 11 18:35	0° <b>£</b> 22'47	0.03012110
	1977 Apr 27 15:46	$0^{\circ}\Upsilon$		desc. node	1982 Jun 21 14:53	9° <b>ഫ</b> 07'22	
	1977 Jun 06 03:00	0°8		desc. Hode	1982 Aug 03 11:45	0°M	
	1977 Jul 17 15:13	0°II			1982 Sep 20 01:20	0° <b>×</b> 7⊓	
asc. node	1977 Aug 30 02:20	28° <b>I</b> I48'35			1982 Oct 31 23:05	∞ੰਤ	
asc. node	1977 Aug 30 02:20 1977 Sep 01 00:20	0°9			1982 Oct 31 25:05 1982 Dec 10 06:17	0° <b>≈</b>	
	1977 Oct 26 18:56	0° <b>U</b>			1982 Dec 10 00:17 1983 Jan 17 13:10	0° <b>∺</b>	
retrograde	1977 Dec 12 19:12	11° <b>Ω</b> 33'40			1983 Feb 25 00:19	0°Υ	
min. Earth dist.	1978 Jan 19 03:01	2° <b>Ω</b> 46'10	0.65319 AU	evening set	1983 Apr 04 16:29	29° <b>Υ</b> 19'54	
opposition	1978 Jan 22 00:11	1° <b>Ω</b> 36'56	4°24'44	evening set	1983 Apr 05 14:03	0° <b>8</b>	
greatest brilliancy	1978 Jan 21 12:38	1° <b>Ω</b> 48'29	-1.4m	asc. node	1983 Apr 21 23:34	12° <b>8</b> 04'37	
greatest orimancy	1978 Jan 26 01:59	30°Rூ	-1.4111	asc. node	1983 May 16 21:43	0°Ⅱ	
direct	1978 Mar 02 09:56	22°916'34			1703 Way 10 21.43	ОД	
direct	1978 Apr 10 18:50	0°Ω		conjunction	1983 Jun 03 11:21	12° <b>Ⅱ</b> 19'26	0°25'58
	1978 Jun 14 02:38	0° <b>m</b> )		minimum elong	1983 Jun 03 09:56	12° <b>Д</b> 15'59	0°25'57
	1978 Aug 04 09:07	0∘ <del>⊽</del>		minimum clong	1983 Jun 29 06:54	0°95	0 23 37
desc. node	1978 Sep 16 17:56	0 <b>=</b> 27° <b>£</b> 54'28		max. Earth dist.	1983 Jul 04 18:44	3° <b>©</b> 41'56	2.56424 AU
desc. flode	1978 Sep 19 20:57	0°M		morning rise	1983 Jul 27 01:04	18° <b>©</b> 29'10	2.30424 AU
	1978 Nov 02 01:20	0° <b>⊼</b> 1		morning rise		18 <b>3</b> 29 10	
avanina aat		0 <b>x</b> . 15° <b>x</b> 03'44			1983 Aug 13 16:54	oor o∘mp	
evening set	1978 Nov 22 17:54 1978 Dec 12 17:39	13 x・03 44 0°る			1983 Sep 30 00:12 1983 Nov 18 10:26	0∘ <del>ত</del> بالا	
may Earth dist			2 40101 ATT				
max. Earth dist.	1978 Dec 13 14:19	0° <b>る</b> 39'04	2.40191 AU	. 1	1984 Jan 11 03:20	0°M	
	1070 L 20 12 12	200750124	1001120	retrograde	1984 Apr 05 12:22	28°M20'50	
conjunction	1979 Jan 20 12:18	29° <b>ろ</b> 50'34		desc. node	1984 May 08 14:02	21°M50'02	0007150
minimum elong	1979 Jan 20 10:41	29°₹47'26	1*01/30	opposition	1984 May 11 08:52	20°M50'37	
	1979 Jan 20 17:07	0° <b>≈</b>		greatest brilliancy	1983 Sep 20 03:52	23° <b>Ω</b> 51'07	
	1979 Feb 27 20:25	0° <b>)</b> 22°)√4010.4		min. Earth dist.	1984 May 19 10:38	17°M56'54	0.53147 AU
morning rise	1979 Mar 29 22:28	23° <b>)</b> 40'04		direct	1984 Jun 19 18:17	11°M41'56	
	1979 Apr 07 01:08	0° <b>Υ</b>			1984 Aug 17 19:50	0° <b>⊼</b>	
	1979 May 16 04:25	0° <b>B</b>			1984 Oct 05 06:02	್ತ	
	1979 Jun 26 01:55	0°II			1984 Nov 15 18:09	0° <b>≈</b>	
asc. node	1979 Jul 18 00:28	15° <b>Ⅱ</b> 23'57			1984 Dec 25 06:38	0°₩	

	1985 Feb 02 17:19	$0^{\circ}$ Y			1989 Dec 18 04:57	0° <b>∡</b> ″	
asc. node	1985 Mar 08 22:07	25° <b>Y</b> 24'43		desc. node	1989 Dec 29 11:30	7° <b>∡</b> 52'37	
	1985 Mar 15 05:06	0°8		dese. node	1990 Jan 29 14:10	0°る	
	1985 Apr 26 09:13	0°II			1990 Mar 11 15:54	0° <b>≈</b>	
evening set	1985 May 28 04:34	21° <b>II</b> 46'52			1990 Apr 20 22:09	0° <b>)</b> €	
	1985 Jun 09 10:40	0°9			1990 May 31 07:11	0°Υ	
					1990 Jul 12 14:44	0°8	
conjunction	1985 Jul 18 02:41	25° <b>©</b> 25'41	1°02'24		1990 Aug 31 11:39	$\Pi^{\circ}0$	
minimum elong	1985 Jul 18 01:38	25° <b>©</b> 23'58	1°02'23	retrograde	1990 Oct 20 19:30	14° <b>Ⅲ</b> 33'47	
Č	1985 Jul 25 04:04	$0^{\circ}\Omega$		asc. node	1990 Oct 29 18:44	13° <b>Ⅱ</b> 58′09	
max. Earth dist.	1985 Jul 30 22:10	3° <b>Ω</b> 42'50	2.64713 AU	min. Earth dist.	1990 Nov 20 03:53	8° <b>Ⅱ</b> 14'10	0.51691 AU
morning rise	1985 Sep 03 02:09	25° <b>Ω</b> 34'18		opposition	1990 Nov 27 20:33	5° <b>Ⅱ</b> 20'31	1°27'35
	1985 Sep 10 01:31	0° <b>m</b> p		greatest brilliancy	1990 Nov 27 09:30	5° <b>Ⅱ</b> 30'56	-2.1m
	1985 Oct 27 15:16	0° <b>⊽</b>			1990 Dec 14 07:46	30° <b>₹</b> 8	
	1985 Dec 14 18:59	o° <b>m</b> ₊		direct	1991 Jan 01 12:49	27° <b>8</b> 45'11	
	1986 Feb 02 06:27	0° <b>∡</b> ¹			1991 Jan 21 01:15	$\Pi^{\circ}0$	
desc. node	1986 Mar 26 12:56	29° <b>∡</b> 10'37			1991 Apr 03 00:49	$0$ $\circ$ $\odot$	
	1986 Mar 28 03:47	0°ರ			1991 May 26 12:19	$0^{\circ}\Omega$	
retrograde	1986 Jun 08 23:25	23° <b>පි</b> 06'44			1991 Jul 15 12:36	0° <b>m</b> y	
opposition	1986 Jul 10 05:28	17° <b>る</b> 40'50	-5°30'33		1991 Sep 01 06:38	0∘ <b>亚</b>	
greatest brilliancy	1986 Jul 11 09:18	17° <b>る</b> 20'32	-2.7m	evening set	1991 Sep 21 22:44	13° <b>≏</b> 26′24	
min. Earth dist.	1986 Jul 16 10:53	15° <b>る</b> 52'33	0.40357 AU	max. Earth dist.	1991 Oct 11 09:52	26° <b>£</b> 22′20	2.57315 AU
direct	1986 Aug 12 07:46	11° <b>පි</b> 25'00			1991 Oct 16 19:05	0°M	
	1986 Oct 09 01:01	0° <b>≈</b>					
	1986 Nov 26 02:35	0° <b>)</b> €		conjunction	1991 Nov 08 09:17	15°M27'59	0°04'48
	1987 Jan 08 12:20	$0$ ° $\mathbf{\Upsilon}$		minimum elong	1991 Nov 08 09:27	15° <b>M</b> 28'17	0°04'48
asc. node	1987 Jan 24 20:38	11° <b>Y</b> 25'10		behind sun begin	1991 Nov 07 13:46	14° <b>M</b> 54'10	
	1987 Feb 20 14:44	0°8		behind sun end	1991 Nov 09 05:09	16°M02'26	
	1987 Apr 05 16:37	$\Pi^{\circ}0$		desc. node	1991 Nov 16 10:36	21°M04'45	
	1987 May 21 03:01	0°ಅ			1991 Nov 29 02:19	0° <b>∡</b> ¹	
	1987 Jul 06 16:46	$0^{\circ}\Omega$		morning rise	1991 Dec 28 09:31	21° <b>∡</b> ¹08'37	
evening set	1987 Jul 09 17:22	1° <b>Ω</b> 55'52			1992 Jan 09 09:47	0°る	
	1987 Aug 22 19:51	0° mp			1992 Feb 18 04:38	0° <b>≈</b>	
max. Earth dist.	1987 Aug 23 12:36	0° <b>m</b> 26'37	2.67622 AU		1992 Mar 28 02:04	0° <b>)</b> €	
					1992 May 05 21:36	$0^{\circ}$ Y	
conjunction	1987 Aug 25 07:32	1° <b>m</b> 34'56	1°07'32		1992 Jun 14 15:56	$9^{\circ}$ 8	
minimum elong	1987 Aug 25 07:58	1° Mp 35'37	1°07'32		1992 Jul 26 18:59	$\Pi^{\circ}0$	
morning rise	1987 Oct 08 18:43	29° <b>m</b> 58'49			1992 Sep 12 06:05	$0$ $\circ$	
	1987 Oct 08 19:27	0∘ <b>亚</b>		asc. node	1992 Sep 15 17:17	1° <b>©</b> 57'36	
	1987 Nov 24 03:19	0°M		retrograde	1992 Nov 28 23:31	27° <b>©</b> 37'21	
	1988 Jan 08 15:24	0°⊀		min. Earth dist.	1993 Jan 03 13:27	19° <b>©</b> 24'47	0.62609 AU
desc. node	1988 Feb 11 11:58	22° <b>₰</b> 38'40		opposition	1993 Jan 07 22:42	17° <b>©</b> 39'53	4°01'55
	1988 Feb 22 10:15	ರ°0		greatest brilliancy	1993 Jan 07 06:48	17° <b>©</b> 55'45	-1.5m
	1988 Apr 06 21:44	0° <b>≈</b>		direct	1993 Feb 15 07:43	8° <b>ॐ</b> 40'31	
	1988 May 22 07:42	0° <b>₩</b>			1993 Apr 27 23:40	$0$ ° $\Omega$	
	1988 Jul 13 20:00	$0$ ° $\Upsilon$			1993 Jun 23 07:42	O° Mp	
retrograde	1988 Aug 26 14:40	11° <b>Y</b> 27'50			1993 Aug 12 01:10	0० <b>ত</b>	
min. Earth dist.	1988 Sep 22 03:13	6° <b>Ƴ</b> 59'37	0.39314 AU		1993 Sep 27 02:15	0°M	
greatest brilliancy	1988 Sep 27 08:15	5° <b>Y</b> 27′50	-2.8m	desc. node	1993 Oct 03 09:00	4° <b>ጤ</b> 15'13	
opposition	1988 Sep 28 03:31	5° <b>Ƴ</b> 13'38	-4°33'35	evening set	1993 Nov 02 22:02	25° <b>™</b> 29'49	
	1988 Oct 23 22:02	30° <b>₹</b> ₩			1993 Nov 09 05:29	0° <b>∡</b>	
direct	1988 Oct 28 05:07	29° <b>)</b> 52'41		max. Earth dist.	1993 Nov 17 14:55	6° <b>₰</b> 02'58	2.45265 AU
	1988 Nov 01 12:57	$0$ ° $\mathbf{\Upsilon}$			1993 Dec 20 00:34	0°ಕ	
asc. node	1988 Dec 11 20:35	10° <b>Ƴ</b> 43'59					
	1989 Jan 19 08:11	$9^{\circ}$ 8		conjunction	1993 Dec 27 02:28	5° <b>る</b> 20'56	-0°47'23
	1989 Mar 11 08:51	$\Pi$ $^{\circ}0$		minimum elong	1993 Dec 27 00:22	5°る16'57	0°47'22
	1989 Apr 29 04:37	$0$ $\circ$			1994 Jan 28 04:05	0° <b>≈</b>	
	1989 Jun 16 14:10	$0^{\circ}\Omega$		morning rise	1994 Feb 27 16:06	23° <b>≈</b> 52'32	
	1989 Aug 03 13:35	0° <b>m</b>			1994 Mar 07 11:01	0° <b>)</b> €	
evening set	1989 Aug 15 07:48	7° <b>m</b> 25′47			1994 Apr 14 18:02	$0^{\circ}\Upsilon$	
max. Earth dist.	1989 Sep 14 21:00	26° M 56'39	2.65069 AU		1994 May 23 22:37	$9^{\circ}$ 8	
	1989 Sep 19 14:38	0∘ <b>⊽</b>			1994 Jul 03 22:30	$\Pi$ °0	
				asc. node	1994 Aug 03 17:36	21° <b>Ⅱ</b> 19′13	
conjunction	1989 Sep 29 19:00	6° <b>≏</b> 36′28			1994 Aug 16 19:15	0 <b>ം</b> ഉ	
minimum elong	1989 Sep 29 20:08	6° <b>≏</b> 38'19	0°46'55		1994 Oct 04 15:48	$0$ $^{\circ}\Omega$	
	1989 Nov 04 05:29	0° <b>M</b> ₊			1994 Dec 12 11:32	0° <b>™</b>	
morning rise	1989 Nov 13 21:44	6°M30'15		retrograde	1995 Jan 02 21:27	2° <b>™</b> 40'08	

	1995 Jan 22 23:48	$30^{\circ}$ R $\Omega$			1999 Nov 26 06:56	0° <b>≈</b>	
opposition	1995 Feb 12 02:31	22° <b>Ω</b> 54'16	4°32'40		2000 Jan 04 03:01	0° <b>)</b> €	
greatest brilliancy	1995 Feb 11 23:50	22° <b>Ω</b> 56'57	-1.3m		2000 Feb 12 01:04	$0^{\circ}\mathbf{\Upsilon}$	
min. Earth dist.	1995 Feb 11 14:15	23° <b>Ω</b> 06'32	0.67569 AU		2000 Mar 23 01:25	0° <b>႘</b>	
direct	1995 Mar 24 17:18	13° <b>Ω</b> 09'55		asc. node	2000 Mar 25 14:32	1° <b>8</b> 52'10	
direct	1995 May 25 16:09	0°m		ase. Hode	2000 May 03 19:18	0°II	
	•			avanina aat	•	3° <b>∏</b> 33'22	
	1995 Jul 21 09:21	0° <b>ʊ</b>		evening set	2000 May 08 21:10		
desc. node	1995 Aug 21 07:30	18° <b>≏</b> 58'52			2000 Jun 16 12:30	$0$ $\circ$ $\infty$	
	1995 Sep 07 07:00	0° <b>M</b> ,					
	1995 Oct 20 21:02	0° <b>∡</b> ¹		conjunction	2000 Jul 01 15:50	10° <b>©</b> 05'47	0°52'20
	1995 Nov 30 13:57	0°る		minimum elong	2000 Jul 01 14:18	10° <b>©</b> 03'15	0°52'19
evening set	1995 Dec 29 08:46	22° <b>る</b> 07'04		max. Earth dist.	2000 Jul 21 05:13	22° <b>©</b> 57'12	2.62108 AU
	1996 Jan 08 11:02	0° <b>≈</b>			2000 Aug 01 01:21	$0^{\circ}\Omega$	
	1996 Feb 15 11:50	0° <b>∀</b>		morning rise	2000 Aug 19 14:47	11° <b>Ω</b> 57'02	
				5 5	2000 Sep 17 00:19	0° m)	
conjunction	1996 Mar 04 14:02	14° <b>)</b> 17′06	-0°58'42		2000 Nov 04 02:00	0∘ <b>⊽</b>	
·	1996 Mar 04 16:36	14° <b>)</b> (22'11				0° <b>m</b>	
minimum elong			0 3641		2000 Dec 23 14:37		
	1996 Mar 24 15:12	0° <b>Υ</b>			2001 Feb 14 20:06	0° <b>∡</b> 7	
max. Earth dist.	1996 Apr 17 18:31		2.38534 AU	desc. node	2001 Apr 12 04:42	24° <b>∡</b> ¹22'07 −	
	1996 May 02 18:16	0°8		retrograde	2001 May 11 16:08	29° <b>∡</b> '02'57	
morning rise	1996 May 13 14:54	8° <b>8</b> 07'11		opposition	2001 Jun 13 17:46	22° <b>∡</b> ¹45'46	-3°16'18
	1996 Jun 12 14:42	$\Pi$ $^{\circ}0$		greatest brilliancy	2001 Jun 14 16:34	22° <b>∡</b> °27′18	-2.4m
asc. node	1996 Jun 20 16:39	5° <b>Ⅱ</b> 45'14		min. Earth dist.	2001 Jun 21 22:51	20° <b>∡</b> ¹06'36	0.45017 AU
	1996 Jul 25 18:32	0°ಅ		direct	2001 Jul 19 22:45	15° <b>∡</b> ¹06′29	
	1996 Sep 09 20:02	$0^{\circ}\Omega$			2001 Sep 08 17:51	5°0	
	1996 Oct 30 07:13	0° <b>m</b> p			2001 Oct 27 17:19	0° <b>≈</b>	
	1997 Jan 03 08:10	0∘ <b>ত</b> ೧.1%			2001 Oct 27 17:19 2001 Dec 08 21:52	0° <b>¥</b>	
						0°Υ	
retrograde	1997 Feb 06 00:37	5° <b>£</b> 55'22			2002 Jan 18 22:53		
	1997 Mar 08 19:50	30°₽ <b>™</b>		asc. node	2002 Feb 10 13:06	16° <b>Y</b> ′21'58	
opposition	1997 Mar 17 07:55	26° Mp 46'09	3°41'30		2002 Mar 01 15:05	0°B	
greatest brilliancy	1997 Mar 17 18:22	26° Mp 35'54	-1.4m		2002 Apr 13 17:36	$\Pi$ $\circ 0$	
min. Earth dist.	1997 Mar 20 16:45	25° Mp 26′58	0.65939 AU		2002 May 28 11:43	$0$ $\circ$	
direct	1997 Apr 27 19:09	16° Mp 44'18		evening set	2002 Jun 24 02:29	17° <b>©</b> 23'24	
	1997 Jun 19 08:30	0∘ <b>⊽</b>			2002 Jul 13 15:23	$0^{\circ}\Omega$	
desc. node	1997 Jul 08 06:33	8° <b>£</b> 59'01					
	1997 Aug 14 08:42	0°M.		conjunction	2002 Aug 10 22:17	18° <b>Ω</b> 06'09	1°08'51
	1997 Sep 28 22:22	0° <b>∡</b> 7		minimum elong	2002 Aug 10 22:10	18° <b>Ω</b> 05'59	1°08'51
	1997 Nov 09 05:33	°5		max. Earth dist.	2002 Aug 14 11:48	20° <b>Ω</b> 22'29	2.67143 AU
				max. Earm dist.	•		2.0/143 AU
	1997 Dec 18 06:37	0° <b>≈</b>			2002 Aug 29 14:38	0° M)	
	1998 Jan 25 09:26	0° <b>)</b> €		morning rise	2002 Sep 24 23:27	16° Mp 46'31	
	1998 Mar 04 16:18	0° <b>Υ</b>			2002 Oct 15 17:38	0∘ <b>⊽</b>	
evening set	1998 Mar 09 15:25	3° <b>Y</b> 50'29			2002 Dec 01 14:26	$0^{\circ}$ M	
	1998 Apr 13 01:04	$9^{\circ}$ 8			2003 Jan 17 04:22	0° <b>∡</b> ¹	
asc. node	1998 May 08 14:53	18° <b>8</b> 50'07		desc. node	2003 Feb 28 04:21	26° <b>₹</b> 59'46	
					2003 Mar 04 21:17	8°0	
conjunction	1998 May 12 19:45	21° <b>8</b> 52'33	0°02'44		2003 Apr 21 23:48	0° <b>≈</b>	
minimum elong	1998 May 12 19:35	21° <b>8</b> 52'15	0°02'44		2003 Jun 17 02:25	0° <b>₩</b>	
behind sun begin	1998 May 11 18:19	21° <b>8</b> 06'40		retrograde	2003 Jul 29 07:37	10° <b>₩</b> 08'02	
behind sun end	1998 May 13 20:50	22° <b>8</b> 37'47		min. Earth dist.	2003 Aug 27 09:46		0.37272 AU
ouma sun una	1998 May 24 03:42	0°Ⅱ		opposition	2003 Aug 28 17:59	5° <b>)</b> (01'14	
max. Earth dist.	1998 Jun 21 12:40		2.51843 AU	greatest brilliancy	2003 Aug 28 17:39 2003 Aug 28 14:16	5° <b>X</b> 01'14	
max. Lattii dist.		0°9	2.31643 AU		•	0° <b>∺</b> 07'07	-2.9111
	1998 Jul 06 09:00			direct	2003 Sep 27 07:52		
morning rise	1998 Jul 09 13:12	2°508'40			2003 Dec 16 13:24	0° <b>Υ</b>	
	1998 Aug 20 19:16	$0 { m ^o} \Omega$		asc. node	2003 Dec 29 11:21	7° <b>Ƴ</b> 38'17	
	1998 Oct 07 12:28	0° <b>m</b>			2004 Feb 03 10:04	0°8	
	1998 Nov 27 10:10	0∘ <b>ত</b>			2004 Mar 21 07:39	$\Pi$ $\circ$ 0	
	1999 Jan 26 11:59	$0^{\circ}$ M			2004 May 07 08:46	$0$ $\circ$	
retrograde	1999 Mar 18 13:41	12°M12'11			2004 Jun 23 20:50	$0^{\circ}\Omega$	
opposition	1999 Apr 24 17:38	4°M05'57	1°20'35	evening set	2004 Jul 31 23:42	24° <b>Ω</b> 01'47	
greatest brilliancy	1999 Apr 25 02:46	3°M57'24		<del>-</del>	2004 Aug 10 10:14	0° <b>m</b> )	
min. Earth dist.	1999 May 01 17:22		0.57847 AU	max. Earth dist.	2004 Sep 05 19:18		2.66717 AU
unit	1999 May 05 21:32	30°R <b>≏</b>		dist.	ер от 17.10		
desc. node	1999 May 05 21:32 1999 May 26 05:10	24° <b>£</b> 59'35		conjunction	2004 Sep 15 12:55	23°m/00'55	0°57'41
	•			·		=	
direct	1999 Jun 04 06:10	24° <b>£</b> 26'52		minimum elong	2004 Sep 15 13:55	23° Mp 02'32	0°57'40
	1999 Jul 05 03:59	0°M			2004 Sep 26 09:15	0° <b>⊡</b>	
	1999 Sep 02 19:29	0° <b>∡</b> 7		morning rise	2004 Oct 29 23:42	21° <b>≏</b> 54'33	
	1999 Oct 17 01:35	0°₹			2004 Nov 11 05:11	0° <b>M</b>	

		_				_	
	2004 Dec 25 16:04	0° <b>∡</b> ¹		direct	2010 Mar 10 17:09	0° <b>Ω</b> 17'41	
desc. node	2005 Jan 15 02:53	14° <b>∡</b> *07′27			2010 Jun 07 06:11	0°Щ	
	2005 Feb 06 18:32	0°ಕ			2010 Jul 29 23:46	0∘ <b>⊽</b>	
	2005 Mar 20 18:02	0° <b>≈</b>		desc. node	2010 Sep 06 23:10	24° <b>≏</b> 42'43	
	2005 May 01 02:58	0° <b>ℋ</b>			2010 Sep 14 22:38	0°M	
	2005 Jun 12 02:30	$0^{\circ}\Upsilon$			2010 Oct 28 06:48	0° <b>∡</b> ¹	
	2005 Jul 28 05:12	$9^{\circ}$ 8		evening set	2010 Dec 05 03:05	27° <b>∡</b> ¹50'17	
retrograde	2005 Oct 01 22:04	23° <b>8</b> 22'20			2010 Dec 07 23:49	0°る	
min. Earth dist.	2005 Oct 30 03:20	17° <b>8</b> 54'05	0.46405 AU	max. Earth dist.	2011 Jan 07 22:20	23° <b>る</b> 44'59	2.37934 AU
opposition	2005 Nov 07 07:57	15° <b>8</b> 00'37	-0°27'37		2011 Jan 15 22:41	0° <b>≈</b>	
greatest brilliancy	2005 Nov 07 04:45	15° <b>8</b> 03'27	-2.4m				
asc. node	2005 Nov 15 11:20	12° <b>8</b> 17'17		conjunction	2011 Feb 04 16:40	15° <b>≈</b> 30'44	-1°04'45
direct	2005 Dec 10 04:04	8° <b>8</b> 14'08		minimum elong	2011 Feb 04 16:20	15° <b>≈</b> 30'05	1°04'46
	2006 Feb 17 22:44	$\Pi^{\circ}0$			2011 Feb 23 01:06	0° <b>∀</b>	
	2006 Apr 14 00:59	0°€			2011 Apr 02 04:51	$0^{\circ}$ Y	
	2006 Jun 03 18:43	$0^{\circ}\Omega$		morning rise	2011 Apr 16 01:09	10° <b>Ƴ</b> 44'29	
	2006 Jul 22 18:53	0° <b>m</b>			2011 May 11 07:04	0°B	
evening set	2006 Sep 07 00:56	29° m 15'53			2011 Jun 21 02:50	$\Pi^{\circ}0$	
C	2006 Sep 08 04:18	0∘ <u>⊽</u>		asc. node	2011 Jul 08 08:48	12° <b>Ⅱ</b> 11'36	
max. Earth dist.	2006 Sep 30 09:18	14° <b>£</b> 28'30	2.60940 AU		2011 Aug 03 09:22	0°©	
					2011 Sep 19 01:51	$0^{\circ}\Omega$	
conjunction	2006 Oct 23 06:46	29° <b>£</b> 43′23	0°23'17		2011 Nov 11 04:15	0° m/	
minimum elong	2006 Oct 23 07:34	29° <b>Ω</b> 44'44	0°23'17	retrograde	2012 Jan 24 00:54	23° m 05'34	
minimum ciong	2006 Oct 23 16:38	0°M₁	0 23 17	opposition	2012 Mar 03 20:10	13° <b>m</b> 39'25	4°10'34
desc. node	2006 Dec 03 01:46	27°M47'40		greatest brilliancy	2012 Mar 04 02:17	13° m 33'22	
dese. Hode	2006 Dec 06 04:58	0°×71		min. Earth dist.	2012 Mar 05 16:55	12° My 55'10	0.67368 AU
morning rise	2006 Dec 09 16:40	2° <b>×7</b> 27'47		direct	2012 Mar 03 10:53 2012 Apr 14 03:53	3° Mp 40'56	0.07300 AC
morning rise	2007 Jan 16 20:54	2 x 2/4/ 0°る		direct	2012 Apr 14 03:33 2012 Jul 03 12:32	0₀ <b>ʊ</b> 3 װ\4030	
	2007 Feb 26 01:32	0°≈		desc. node	2012 Jul	0 <b>=</b> 11° <b>£</b> 51'12	
		0 <b>≈</b> 0° <b>∀</b>		desc. Hode		0°M	
	2007 Apr 06 08:49	0 <b>Υ</b> 0° <b>Υ</b>			2012 Aug 23 15:24	0°11℃ 0° <b>√</b> 7	
	2007 May 15 14:06	0° <b>∀</b>			2012 Oct 07 03:21	0° <b>ਨ</b>	
	2007 Jun 24 21:27	0°U			2012 Nov 17 02:36		
	2007 Aug 07 06:01				2012 Dec 26 00:49	0° <b>≈</b>	
	2007 Sep 28 23:55	0°95			2013 Feb 02 01:54	0° <b>)</b> (50102	
asc. node	2007 Oct 03 10:46	1°558'39		evening set	2013 Feb 09 11:08	5° <b>)</b> € 50'03	
retrograde	2007 Nov 15 08:24	12°527'03	0.50024.444		2013 Mar 12 06:26	$0$ ° $\mathbf{\gamma}$	
min. Earth dist.	2007 Dec 18 23:41	4°954'52	0.58934 AU				
opposition	2007 Dec 24 19:47	2°936'56	3°21'16	conjunction	2013 Apr 18 00:20	28° <b>Y</b> 08′20	
greatest brilliancy	2007 Dec 24 01:53	2°954'34	-1./m	minimum elong	2013 Apr 18 02:17	28° <b>Y</b> 12′00	0°23'54
	2007 Dec 31 16:00	30°RⅡ			2013 Apr 20 11:48	0°8	
direct	2008 Jan 30 22:33	24° <b>∏</b> 04'40		asc. node	2013 May 25 07:51	25° <b>8</b> 36'47	
	2008 Mar 04 10:01	0ಂ <b>ತಾ</b>			2013 May 31 10:39	$\Pi$ $^{\circ}0$	
	2008 May 09 20:20	$0^{\circ}\Omega$		max. Earth dist.	2013 Jun 04 22:42	3° <b>Ⅱ</b> 12'31	2.46650 AU
	2008 Jul 01 16:21	0° mp		morning rise	2013 Jun 19 20:20	13° <b>∏</b> 42′03	
	2008 Aug 19 10:03	0∘ <b>⊽</b>			2013 Jul 13 13:22	0°€	
	2008 Oct 04 04:34	0°M₊			2013 Aug 28 02:05	$0^{\circ}\Omega$	
evening set	2008 Oct 16 03:19	8°M08'05			2013 Oct 15 11:05	0° <b>т</b> р	
desc. node	2008 Oct 20 00:45	10°M48'46			2013 Dec 07 20:41	0∘ <b>ত</b>	
max. Earth dist.	2008 Oct 31 03:43	18°M32'36	2.50336 AU	retrograde	2014 Mar 01 16:24	27° <b>≏</b> 31'58	
	2008 Nov 16 08:27	0°⊀		opposition	2014 Apr 08 21:04	18° <b>≏</b> 56'50	2°28'09
				greatest brilliancy	2014 Apr 09 09:48	18° <b>≏</b> 44'38	-1.6m
conjunction	2008 Dec 05 22:04	14° <b>∤</b> 709'18	-0°27'46	min. Earth dist.	2014 Apr 14 12:48	16° <b>≏</b> 47'01	0.61757 AU
minimum elong	2008 Dec 05 20:45	14° <b>₰</b> 06'54	0°27'45	direct	2014 May 20 01:31	9° <b>ഫ</b> 01'31	
	2008 Dec 27 07:30	0°ප		desc. node	2014 Jun 11 21:44	12° <b>≏</b> 04'56	
morning rise	2009 Jan 31 12:21	26° <b>ප්</b> 47'41			2014 Jul 26 02:25	0°M₊	
	2009 Feb 04 15:55	0° <b>≈</b>			2014 Sep 13 21:57	0° <b>√</b>	
	2009 Mar 15 03:20	0° <b>₩</b>			2014 Oct 26 10:43	0° <b>ප</b>	
	2009 Apr 22 13:44	$0$ ° $\mathbf{\Upsilon}$			2014 Dec 04 23:57	0° <b>≈</b>	
	2009 May 31 21:18	$9^{\circ}$ 8			2015 Jan 12 10:20	0° <b>)</b> €	
	2009 Jul 12 02:56	$\Pi^{\circ}0$			2015 Feb 20 00:11	$0^{\circ}\Upsilon$	
asc. node	2009 Aug 20 09:14	26° <b>Ⅱ</b> 34'37			2015 Mar 31 16:26	$9^{\circ}$ 8	
	2009 Aug 25 17:15	0°9		asc. node	2015 Apr 12 05:41	8° <b>8</b> 30'26	
	2009 Oct 16 15:32	$0^{\circ}\Omega$		evening set	2015 Apr 18 05:53	12° <b>8</b> 53'23	
retrograde	2009 Dec 20 13:26	19° <b>Ω</b> 41'43			2015 May 12 02:40	$\Pi^{\circ}0$	
min. Earth dist.	2010 Jan 27 18:56	10° <b>Ω</b> 36′36	0.66398 AU				
opposition	2010 Jan 29 19:43	9° <b>Ω</b> 47'48	4°31'29	conjunction	2015 Jun 14 15:56	23° <b>Ⅱ</b> 17'12	0°37'09
greatest brilliancy	2010 Jan 29 11:13	9° <b>Ω</b> 56'19	-1.3m	minimum elong	2015 Jun 14 14:17	23° <b>Ⅱ</b> 14′23	0°37'08

max. Earth dist. morning rise  retrograde desc. node opposition greatest brilliancy	2015 Jun 24 13:33 2015 Jul 11 12:19 2015 Aug 05 07:47 2015 Aug 08 23:32 2015 Sep 25 02:18 2015 Nov 12 21:41 2016 Jan 03 14:32 2016 Mar 06 02:29 2016 Apr 17 12:14 2016 Apr 28 20:16 2016 May 22 11:17 2016 May 22 19:54	0°\$ 11°\$20'19 27°\$37'39 0°\$\mathcal{O}\$ 0°\$\mathbb{m}\$ 0°\$\mathcal{D}\$ 0°\$\mathcal{M}\$ 0°\$\mathcal{A}\$ 0°\$\mathcal{M}\$ 0°\$\mathcal{A}\$ 8°\$\mathcal{A}\$54'02 8°\$\mathcal{A}\$06'00 1°\$\mathcal{A}\$47'23 1°\$\mathcal{A}\$39'52		retrograde min. Earth dist. opposition greatest brilliancy direct asc. node	2020 Sep 09 22:22 2020 Oct 06 14:13 2020 Oct 13 23:26 2020 Oct 13 06:28 2020 Nov 14 00:36 2020 Dec 02 03:33 2021 Jan 06 22:27 2021 Mar 04 03:30 2021 Apr 23 11:49 2021 Jun 11 13:34 2021 Jul 29 20:33 2021 Aug 23 13:31	21° <b>Y</b> ′04'41	0.41491 AU -2°59'45 -2.7m
	2016 May 27 13:51	30°RML			2021 Sep 15 00:14	0∘ <b>⊽</b>	
min. Earth dist. direct	2016 May 30 21:29 2016 Jun 29 23:38	28°M.51'16 23°M.03'28	0.50322 AU	max. Earth dist.	2021 Sep 20 11:34	3° <b>ჲ</b> 32'33	2.63814 AU
	2016 Aug 02 17:49	0° <b>∡</b>		conjunction	2021 Oct 08 04:01	15° <b>≙</b> 05'50	0°39'06
	2016 Sep 27 08:07 2016 Nov 09 05:51	0°る 0°≈		minimum elong	2021 Oct 08 05:06 2021 Oct 30 14:21	15° <b>ჲ</b> 07'38 0° <b>ጤ</b>	0°39'05
	2016 Nov 09 03:31 2016 Dec 19 09:23	0 <b>≈</b>		morning rise	2021 Oct 30 14.21 2021 Nov 22 21:33	15°ML48'06	
	2017 Jan 28 05:39	$0^{\circ}$ $\Upsilon$		C	2021 Dec 13 09:53	0°⊀	
asc. node	2017 Feb 27 05:16	22° <b>Y</b> 09'15		desc. node	2021 Dec 19 17:03	4° <b>₹</b> ¹24'46	
	2017 Mar 10 00:34 2017 Apr 21 10:32	0°Ⅱ 8°0			2022 Jan 24 12:53 2022 Mar 06 06:23	0° <b>そ</b>	
	2017 Apr 21 10:32 2017 Jun 04 16:16	0°ම			2022 Apr 15 03:06	0° <b>∺</b>	
evening set	2017 Jun 07 09:44	1°5548'43			2022 May 24 23:17	$0^{\circ}$ $\Upsilon$	
	2017 Jul 20 12:20	$0$ $\circ$ $\Omega$			2022 Jul 05 06:04	0∘ <b>R</b>	
conjunction	2017 Jul 27 00:57	4° <b>Ω</b> 12'29	1°06'04	asc. node	2022 Aug 20 07:56 2022 Oct 20 02:15	0°Ⅱ 24°Ⅱ51'05	
minimum elong	2017 Jul 27 00:37 2017 Jul 27 00:15	4°Ω11'21	1°06'04	retrograde	2022 Oct 20 02:15 2022 Oct 30 13:26	25° <b>I</b> 36'50	
max. Earth dist.	2017 Aug 05 10:39	10° <b>Ω</b> 14'57	2.65816 AU	min. Earth dist.	2022 Dec 01 02:12	18° <b>Ⅱ</b> 50′27	0.54447 AU
	2017 Sep 05 09:35	0° <b>m</b> p		opposition	2022 Dec 08 05:42	16° <b>Ⅱ</b> 05'47	2°17'42
morning rise	2017 Sep 11 04:07 2017 Oct 22 18:29	3°₱39'56 0° <u>₽</u>		greatest brilliancy direct	2022 Dec 07 14:08 2023 Jan 12 20:56	16° <b>Ⅱ</b> 20'44 8° <b>Ⅱ</b> 07'45	-1.9m
	2017 Oct 22 18:29 2017 Dec 09 08:59	0° <b>™</b>		direct	2023 Mar 25 11:45	0°9	
	2018 Jan 26 12:56	0° <b>∡</b> 7			2023 May 20 15:31	$0^{\circ}\Omega$	
desc. node	2018 Mar 16 19:03	29° <b>₹</b> 28'59			2023 Jul 10 11:40	0° <b>m</b> )	
	2018 Mar 17 16:40 2018 May 16 04:55	0°る 0°≈		evening set	2023 Aug 27 13:20 2023 Sep 30 19:54	0° <b>ჲ</b> 22° <b>ჲ</b> 23'27	
retrograde	2018 Jun 26 21:04	0 <b>≈</b> 9° <b>≈</b> 13'05		evening set	2023 Sep 30 19:34 2023 Oct 12 04:04	0° <b>M</b>	
opposition	2018 Jul 27 05:13	4° <b>≈</b> 08'47	-6°28'21	max. Earth dist.	2023 Oct 18 09:13		2.54978 AU
greatest brilliancy	2018 Jul 28 03:05	3°≈53'51	-2.8m	desc. node	2023 Nov 06 16:02	17°ML29'38	
min. Earth dist.	2018 Jul 31 07:45 2018 Aug 13 02:14	3°≈01'38 30°Rる	0.38497 AU	conjunction	2023 Nov 18 05:43	25°M36'44	0°06'57
direct	2018 Aug 13 02.14 2018 Aug 27 14:05	30 KG 28° <b>云</b> 36'36		minimum elong	2023 Nov 18 05:23	25°M36'10	
	2018 Sep 11 00:56	0° <b>≈</b>		behind sun begin	2023 Nov 17 10:07	25°M02'09	
	2018 Nov 15 22:21	0° <b>ℋ</b>		behind sun end	2023 Nov 19 00:40	26°M10'13	
aga mada	2019 Jan 01 02:20 2019 Jan 15 04:48	0° <b>Υ</b> 9° <b>Υ</b> 30'59			2023 Nov 24 10:15	7×°0 でる	
asc. node	2019 Jan 13 04.48 2019 Feb 14 10:51	9 <b>1</b> 30 39		morning rise	2024 Jan 04 14:58 2024 Jan 09 05:05	0 3 3° <b>る</b> 25'21	
	2019 Mar 31 06:12	0°II			2024 Feb 13 06:05	0°≈	
	2019 May 16 03:09	0ංම			2024 Mar 22 23:47	0° <b>∀</b>	
	2019 Jul 01 23:19	0° <b>Ω</b>			2024 Apr 30 15:33	0° <b>႘</b>	
evening set	2019 Jul 18 08:26 2019 Aug 18 05:18	10° <b>Ω</b> 24'26 0° <b>m</b>			2024 Jun 09 04:35 2024 Jul 20 20:43	0°U	
max. Earth dist.	2019 Aug 28 19:21		2.67533 AU		2024 Sep 04 19:46	0ංම _	
				asc. node	2024 Sep 06 02:03	0°545'40	
conjunction	2019 Sep 02 10:42	-			2024 Nov 04 04:10	0° <b>Ω</b>	
minimum elong	2019 Sep 02 11:24 2019 Oct 04 04:22	9° <b>™</b> 42'17 0° <b>≏</b>	1 04/3/	retrograde	2024 Dec 06 23:33 2025 Jan 06 10:44	6° <b>Ω</b> 10'16 30° <b></b> 8 <b>©</b>	
morning rise	2019 Oct 16 18:35	8° <b>≏</b> 07'25		min. Earth dist.	2025 Jan 12 13:32	27° <b>©</b> 37'40	0.64228 AU
	2019 Nov 19 07:40	0° <b>M</b>		opposition	2025 Jan 16 02:39	26° <b>©</b> 12'37	4°17'15
daga mada	2020 Jan 03 09:37	0°⊀ ⁷ 10°∗ <b>7</b> 55'03		greatest brilliancy	2025 Jan 15 12:58	26°926'18	-1.4m
desc. node	2020 Feb 01 18:23 2020 Feb 16 11:33	19° <b>オ</b> 55'03 0° <b>る</b>		direct	2025 Feb 24 02:00 2025 Apr 18 04:21	17° <b>©</b> 00'55 0° <b>Ω</b>	
	2020 Mar 30 19:43	0° <b>≈</b>			2025 Jun 17 08:36	0° <b>m</b> p	
	2020 May 13 04:17	0° <b>∀</b>			2025 Aug 06 23:23	0∘ <b>⊽</b>	
	2020 Jun 28 01:45	$0^{\circ}$ Y			2025 Sep 22 07:55	0° <b>M</b>	

desc. node	2025 Sep 23 15:20	0°M52'50		max. Earth dist.	2030 Jun 29 09:13	28° <b>∏</b> 28'17	2.54452 AU
4656. 11646	2025 Nov 04 13:01	0° <b>⊼</b>		man. Barur diov.	2030 Jul 01 15:20	0°95	2.01.02110
evening set	2025 Nov 13 20:53	6° <b>х</b> 43′28		morning rise	2030 Jul 19 18:14	12°908'57	
max. Earth dist.	2025 Nov 30 10:09		2.42388 AU	5 5	2030 Aug 15 23:56	$0^{\circ}\Omega$	
	2025 Dec 15 07:34	8°0			2030 Oct 02 09:42	0° m/	
					2030 Nov 21 07:55	0∘ <del>⊽</del>	
conjunction	2026 Jan 09 11:41	19° <b>る</b> 12'56	-0°56'29		2031 Jan 15 22:48	$0^{\circ}$ M	
minimum elong	2026 Jan 09 09:38	19° <b>る</b> 08'59	0°56'28	retrograde	2031 Mar 29 00:35	21°MJ38'10	
	2026 Jan 23 09:17	0° <b>≈</b>		opposition	2031 May 04 12:04	13°M50'54	0°32'19
	2026 Mar 02 14:16	0° <b>)</b> €		greatest brilliancy	2031 May 04 16:18	13°M47'02	-1.9m
morning rise	2026 Mar 16 13:05	10° <b>¥</b> 59'17		min. Earth dist.	2031 May 12 03:44	11°ML02'57	0.55337 AU
	2026 Apr 09 19:36	$0^{\circ}\mathbf{\Upsilon}$		desc. node	2031 May 16 11:41	9°M32'23	
	2026 May 18 22:25	0°8		direct	2031 Jun 13 11:57	4° <b>M</b> L26'17	
	2026 Jun 28 19:29	$\Pi^{\circ}0$			2031 Aug 25 08:08	0° <b>∡</b> ¹	
asc. node	2026 Jul 25 00:14	18° <b>Ⅱ</b> 18'59			2031 Oct 10 13:47	0°る	
	2026 Aug 11 08:31	0°©			2031 Nov 20 10:57	0° <b>≈</b>	
	2026 Sep 28 02:49	$\Omega^{\circ}\Omega$			2031 Dec 29 15:16	0° <b>)</b> €	
. 1	2026 Nov 25 23:37	0°M)			2032 Feb 06 19:19	0°Υ 200 <b>0</b> 27117	
retrograde	2027 Jan 10 12:59	10° m 25'44	4007140	asc. node	2032 Mar 15 21:59	28° <b>Y</b> 27'17	
opposition	2027 Feb 19 15:51	0°Mp46'06	4°27'48		2032 Mar 18 00:35	0°Ⅱ 8°0	
greatest brilliancy min. Earth dist.	2027 Feb 19 16:28	0° Mp 45'29	0.67792 AU	avanina aat	2032 Apr 28 22:45	0 <u>П</u> 14° <b>П</b> 38'45	
IIIII. Eartii dist.	2027 Feb 20 00:08 2027 Feb 21 14:13	0 11/3 / 32 30°RΩ	0.67792 AU	evening set	2032 May 20 02:45 2032 Jun 11 19:06	14 <b>п</b> 3843	
direct	2027 Apr 01 14:08	20° <b>Ω</b> 55'36			2032 Juli 11 19.00	0 39	
uncet	2027 Apr 01 14:08 2027 May 14 14:47	0° m)		conjunction	2032 Jul 11 05:16	19° <b>©</b> 28'27	0°58'45
	2027 Jul 15 05:40	0° <del>∿</del>		minimum elong	2032 Jul 11 03:59	19°526'22	0°58'45
desc. node	2027 Aug 11 14:00	0 <b>—</b> 16° <b>Ω</b> 18'32		max. Earth dist.	2032 Jul 27 00:50	29°546'10	2.63652 AU
desc. Hode	2027 Sep 02 01:52	0°M		max. Dartii dist.	2032 Jul 27 09:23	0°Ω	2.03032710
	2027 Oct 15 23:14	0° <b>⊼</b> 7		morning rise	2032 Aug 28 00:06	20° <b>Ω</b> 17'58	
	2027 Nov 25 18:38	0°ප		5 5	2032 Sep 12 06:32	0° m)	
	2028 Jan 03 16:02	0° <b>≈</b>			2032 Oct 30 00:38	0∘ <u>⊽</u>	
evening set	2028 Jan 13 06:42	7° <b>≈</b> 33'00			2032 Dec 17 16:47	0° <b>M</b> .	
-	2028 Feb 10 16:32	0° <b>∀</b>			2033 Feb 06 11:12	0° <b>∡</b> ¹	
	2028 Mar 19 19:36	$0^{\circ}\Upsilon$		desc. node	2033 Apr 02 10:28	28° <b>∡</b> ¹20'48	
					2033 Apr 06 06:51	ರ∘ರ	
conjunction	2028 Mar 21 02:36	1° <b>Y</b> '00'23	-0°48'39	retrograde	2033 May 26 23:47	12° <b>る</b> 30'17	
minimum elong	2028 Mar 21 05:51	1° <b>Y</b> 06'44	0°48'37	opposition	2033 Jun 28 01:30	6° <b>る</b> 41'55	-4°33'54
	2028 Apr 27 22:21	$9^{\circ}$ 8		greatest brilliancy	2033 Jun 29 05:20	6° <b>る</b> 20'33	-2.6m
max. Earth dist.	2028 May 11 20:53	10° <b>8</b> 24'20	2.41207 AU	min. Earth dist.	2033 Jul 05 11:13	4° <b>る</b> 26'22	0.42303 AU
morning rise	2028 May 28 03:27	22° <b>8</b> 20'31			2033 Jul 27 04:34	30°R. <b>✓</b>	
	2028 Jun 07 18:20	$\Pi^{\circ}0$		direct	2033 Aug 01 14:25	29° <b>∡</b> ¹47'30	
asc. node	2028 Jun 10 23:06	2° <b>Ⅱ</b> 17'09			2033 Aug 07 00:48	0°ಕ	
	2028 Jul 20 20:10	0° <b>©</b>			2033 Oct 17 21:52	0° <b>≈</b>	
	2028 Sep 04 14:36	0° <b>N</b>			2033 Dec 01 12:10	0° <b>)</b> €	
	2028 Oct 24 01:10	0° <b>m</b> y			2034 Jan 12 15:15	0° <b>Υ</b>	
. 1	2028 Dec 21 08:46	0∘ <b>ʊ</b>		asc. node	2034 Jan 31 20:17	13° <b>Y</b> 41′20	
retrograde	2029 Feb 14 08:16	13° <b>Ω</b> 55'21	2010121		2034 Feb 23 23:24	0° <b>Β</b>	
opposition	2029 Mar 25 07:49 2029 Mar 25 19:52	4° <b>£</b> 57'09 4° <b>£</b> 45'26			2034 Apr 08 12:49 2034 May 23 14:26	0° <b>©</b>	
greatest brilliancy min. Earth dist.	2029 Mar 29 12:50	3° <b>£</b> 18'57		evening set	2034 Jul 03 03:43	26°9516'55	
iiiii. Eartii dist.	2029 Apr 07 13:09	30°RM)	0.04723 AU	evening set	2034 Jul 08 22:51	0°Ω	
direct	2029 May 05 19:00	24° Mp 55'45			2034 Jul 00 22.31	0 00	
uncet	2029 Jun 05 04:49	0° <b>∵</b>		conjunction	2034 Aug 19 05:22	26° <b>Ω</b> 19'56	1°08'33
desc. node	2029 Jun 28 12:38	ა <b>–</b> 8° <b>ჲ</b> 54'42		minimum elong	2034 Aug 19 05:36	26° <b>Ω</b> 20'17	
desc. Hode	2029 Aug 07 16:03	0°M		max. Earth dist.	2034 Aug 19 17:48		2.67511 AU
	2029 Sep 23 08:14	0° <b>∡</b> 7			2034 Aug 24 23:42	0° m/y	
	2029 Nov 04 00:32	0°ප		morning rise	2034 Oct 02 21:25	24° <b>m</b> 47'35	
	2029 Dec 13 05:25	0° <b>≈</b>		<b>5</b> .	2034 Oct 11 00:44	0∘ <b>⊽</b>	
	2030 Jan 20 10:27	0° <b>)</b> €			2034 Nov 26 14:16	0° <b>M</b>	
	2030 Feb 27 19:07	0° <b>Υ</b>			2035 Jan 11 13:01	0° <b>∡</b> 7	
evening set	2030 Mar 24 16:01	19° <b>Ƴ</b> 03'11		desc. node	2035 Feb 18 09:34	24° <b>₹</b> ′55'55	
	2030 Apr 08 05:27	$9^{\circ}$ 8			2035 Feb 26 01:58	ರ∘ರ	
asc. node	2030 Apr 28 23:02	15° <b>8</b> 17'15			2035 Apr 12 19:36	0° <b>≈</b>	
	2030 May 19 09:28	$\Pi^{\circ}0$			2035 May 30 22:08	0° <b>∀</b>	
				retrograde	2035 Aug 15 10:01	28° <b>∺</b> 26′02	
conjunction	2030 May 25 10:50	4° <b>Ⅱ</b> 17'32		min. Earth dist.	2035 Sep 11 14:15	23° <b>¥</b> 58'38	0.38041 AU
minimum elong	2030 May 25 09:48	4° <b>Ⅱ</b> 15'43	0°16'36	opposition	2035 Sep 15 19:39	22° <b>)</b> 48′07	-5°38'37

greatest brilliancy direct	2035 Sep 15 04:16 2035 Oct 15 08:32 2035 Dec 01 19:38	22° <b>)</b> 58'50 17° <b>)</b> 45'25 0° <b>°</b>	-2.9m	max. Earth dist.	2040 Nov 09 09:22 2040 Nov 11 16:52	28° <b>™</b> 20'55 0° <b>√</b>	2.47575 AU
asc. node	2035 Dec 01 19:58 2035 Dec 19 19:51	8° <b>Υ</b> 46'59		conjunction	2040 Dec 17 12:49	26° <b>⊀</b> 11'43	_0°30'21
asc. Houc	2036 Jan 26 07:15	0° <b>8</b>		minimum elong	2040 Dec 17 12:49 2040 Dec 17 10:59	26° <b>₹</b> 08'17	
	2036 Mar 15 02:37	0°II		minimum ciong	2040 Dec 17 10:59 2040 Dec 22 14:50	20 × 00 17 0°る	0 37 20
	2036 May 02 00:50	0°©			2040 Bec 22 14:30 2041 Jan 30 21:08	0° <b>≈</b>	
	2036 Jun 18 23:57	$0^{\circ}\Omega$		morning rise	2041 Feb 15 07:18	12°≈00'35	
	2036 Aug 05 18:43	0° <b>m</b> )			2041 Mar 10 06:09	0° <b>∀</b>	
evening set	2036 Aug 09 05:07	2° m/ 10'09		greatest brilliancy	2041 Mar 25 16:59	12° <b>)</b> €07'28	1.2m
max. Earth dist.	2036 Sep 11 02:46	23° <b>m</b> 07'03	2.65909 AU	,	2041 Apr 17 14:18	$0^{\circ}\mathbf{\Upsilon}$	
	2036 Sep 21 19:17	0∘ <b>ত</b>			2041 May 26 19:05	$9^{\circ}$ 8	
	•				2041 Jul 06 19:31	$\Pi^{\circ}0$	
conjunction	2036 Sep 23 15:45	1° <b>≏</b> 11'52	0°51'49	asc. node	2041 Aug 10 17:15	23° <b>Ⅱ</b> 59'55	
minimum elong	2036 Sep 23 16:52	1° <b>≏</b> 13'39	0°51'48		2041 Aug 19 20:28	$0$ $\circ$ $\odot$	
	2036 Nov 06 13:03	0°M			2041 Oct 08 13:54	$0^{\circ}\Omega$	
morning rise	2036 Nov 07 09:48	0°M34'36		retrograde	2041 Dec 28 05:39	27° <b>Ω</b> 39'16	
	2036 Dec 20 18:01	0° <b>∡</b> ¹		min. Earth dist.	2042 Feb 05 07:51	18° <b>Ω</b> 17'40	0.67174 AU
desc. node	2037 Jan 05 09:20	10° <b>≯</b> 52'02		opposition	2042 Feb 06 12:05	17° <b>Ω</b> 49'26	4°33'43
	2037 Feb 01 11:08	0°ප		greatest brilliancy	2042 Feb 06 06:48	17° <b>Ω</b> 54'42	-1.3m
	2037 Mar 14 22:03	0° <b>≈</b>		direct	2042 Mar 18 19:51	8° <b>Ω</b> 10'50	
	2037 Apr 24 14:44	0° <b>∀</b>			2042 May 30 13:08	0° <b>m</b>	
	2037 Jun 04 13:03	0° <b>Υ</b>			2042 Jul 24 09:51	0。 <b>ಹ</b>	
	2037 Jul 17 22:43	0°B		desc. node	2042 Aug 28 05:22	21° <b>≏</b> 40'13	
	2037 Sep 11 20:29	$\Pi^{\circ 0}$			2042 Sep 09 22:54	0° <b>M</b> ₊	
retrograde	2037 Oct 12 23:09	6° <b>Ⅱ</b> 15'48			2042 Oct 23 11:37	0° <b>∡</b>	
asc. node	2037 Nov 05 18:39	2° <b>Ⅱ</b> 13'00	0.40255.434		2042 Dec 03 05:43	0°る	
min. Earth dist.	2037 Nov 11 07:54	0° <b>Ⅱ</b> 19'34	0.49357 AU	evening set	2042 Dec 18 09:52	11° <b>る</b> 33'59	
*,*	2037 Nov 12 05:39	30°R <b>႘</b>	0042117		2043 Jan 11 04:09	0° <b>≈</b>	
opposition	2037 Nov 19 09:10	27° <b>8</b> 22'23	0°43'17		2043 Feb 18 05:43	0° <b>ℋ</b>	
greatest brilliancy direct	2037 Nov 19 03:18 2037 Dec 23 06:31	27° <b>8</b> 27'45 20° <b>8</b> 07'36	-2.2m	conjunction	2043 Feb 20 17:47	1° <b>)</b> 58'41	1902!15
direct	2037 Dec 23 00:31 2038 Feb 05 00:33	0°II		minimum elong	2043 Feb 20 17:47 2043 Feb 20 19:11	2° <b>H</b> 01'28	
	2038 Apr 07 04:57	0°©		max. Earth dist.	2043 Pco 20 19:11 2043 Mar 09 06:20		2.37120 AU
	2038 May 29 08:38	0°Ω		max. Lartii dist.	2043 Mar 28 08:56	0° <b>Υ</b>	2.5/120 AC
	2038 Jul 17 22:08	0° m/y		morning rise	2043 May 02 13:30	27° <b>Υ</b> 04'04	
	2038 Sep 03 13:05	0∘ <b>ರ</b> ೧.ಗ		morning rise	2043 May 06 10:41	0°8	
evening set	2038 Sep 15 11:23	7° <b>£</b> 43'14			2043 Jun 16 05:23	0°II	
max. Earth dist.	2038 Oct 06 13:51		2.59037 AU	asc. node	2043 Jun 28 16:40	8° <b>∏</b> 51'42	
	2038 Oct 19 02:36	0°M			2043 Jul 29 08:31	0°99	
					2043 Sep 13 13:26	$0^{\circ}\Omega$	
conjunction	2038 Nov 01 07:01	8°M57'18	0°12'54		2043 Nov 03 19:22	0° <b>m</b> y	
minimum elong	2038 Nov 01 07:30	8°M58'07	0°12'53		2044 Jan 19 17:59	0∘ <b>⊽</b>	
behind sun begin	2038 Oct 31 19:14	8°M37'10		retrograde	2044 Jan 31 23:11	0° <b>ჲ</b> 53'01	
behind sun end	2038 Nov 01 19:45	9°M19'06			2044 Feb 12 17:26	30°R.₩	
desc. node	2038 Nov 23 08:22	24°M13'38		opposition	2044 Mar 11 12:51	21°M 35'51	3°54'54
	2038 Dec 01 13:06	0° <b>∡</b> ¹		greatest brilliancy	2044 Mar 11 21:33	21°Mp27'17	-1.3m
morning rise	2038 Dec 20 00:18	13° <b>∡</b> 11'21		min. Earth dist.	2044 Mar 14 06:01	20° <b>m</b> 31'44	0.66709 AU
	2039 Jan 12 01:12	0°₹		direct	2044 Apr 21 23:36	11° <b>m</b> 34'47	
	2039 Feb 21 00:46	0° <b>≈</b>		, .	2044 Jun 25 03:35	0° <b>™</b>	
	2039 Apr 01 02:23	0° <b>)</b> €		desc. node	2044 Jul 15 04:23	10° <b>£</b> 17'10	
	2039 May 10 01:29	$^{\circ \gamma}$			2044 Aug 17 18:43	0°M	
	2039 Jun 18 23:31	0°B 0°B			2044 Oct 01 22:01	0°⋜	
	2039 Jul 31 10:58 2039 Sep 18 07:29	0°9			2044 Nov 12 02:48 2044 Dec 21 03:03	0° <b>≈</b>	
asc. node	2039 Sep 18 07.29 2039 Sep 23 17:00	0 55 2°551'01			2044 Dec 21 03:03 2045 Jan 28 04:58	0 <b>≈</b> 0° <b>H</b>	
retrograde	2039 Sep 23 17:00 2039 Nov 23 20:48	2 \$3101 21°\$45'15		greatest brilliancy	2045 Feb 03 21:33	5° <b>∺</b> 16'54	1.2m
min. Earth dist.	2039 Nov 23 20:48 2039 Dec 28 14:41	13°549'49	0.61091 AU	evening set	2045 Feb 25 11:23	22° <b>H</b> 14'28	1.2111
opposition	2040 Jan 02 15:28	11°9549'57	3°47'34	5. c18 50t	2045 Mar 07 10:14	0°Υ	
greatest brilliancy	2040 Jan 01 22:13	12°907'05	-1.6m		2045 Apr 15 16:27	0°8	
direct	2040 Feb 09 11:48	3°501'43	<del>-</del>			. •	
	2040 May 02 12:07	0° <b>Ω</b>		conjunction	2045 May 02 10:43	12° <b>8</b> 26'39	-0°08'33
	2040 Jun 26 04:42	0° mp		minimum elong	2045 May 02 11:22	12° <b>8</b> 27'52	
	2040 Aug 14 12:36	0∘ <b>⊽</b>		behind sun begin	2045 May 01 12:37	11° <b>8</b> 46'01	
	2040 Sep 29 12:10	0°M		behind sun end	2045 May 03 10:08	13° <b>8</b> 09'40	
desc. node	2040 Oct 10 06:47	7° <b>M</b> 19'06		asc. node	2045 May 15 14:40	22° <b>8</b> 02'57	
evening set	2040 Oct 26 00:35	18°M12'20			2045 May 26 16:01	$\Pi^{\circ}0$	

desc. node	2055 Oct 27 22:11	13° <b>M</b> 56'17			2060 Jul 16 00:24	0°9	
	2055 Nov 19 18:56	0° <b>∡</b> ¹			2060 Aug 30 13:29	$0^{\circ}\Omega$	
					2060 Oct 18 06:10	0° <b>m</b>	
conjunction	2055 Nov 28 13:52	6° <b>∡</b> 17'46	-0°18'53		2060 Dec 12 03:08	0∘ <b>ত</b>	
minimum elong	2055 Nov 28 13:00	6° <b>≯</b> 16'12	0°18'52	retrograde	2061 Feb 22 22:45	22° <b>≏</b> 04'13	
	2055 Dec 30 21:26	0° <b>ਰ</b>		opposition	2061 Apr 02 12:53	13° <b>≏</b> 18'16	2°50'54
morning rise	2056 Jan 21 21:55	16° <b>る</b> 36'25		greatest brilliancy	2061 Apr 03 01:40	13° <b>Ω</b> 05'56	-1.5m
	2056 Feb 08 09:24	0° <b>≈</b>		min. Earth dist.	2061 Apr 07 13:48	11° <b>£</b> 21'44	0.63199 AU
	2056 Mar 17 23:35	0° <b>∀</b> 0° <b>Υ</b>		direct desc. node	2061 May 13 21:41 2061 Jun 18 19:17	3° <b>≙</b> 19'08 10° <b>≙</b> 17'16	
	2056 Apr 25 11:54 2056 Jun 03 20:48	0°8		desc. node	2061 Jul 31 04:00	0°M	
	2056 Jul 15 04:41	0°II			2061 Sep 17 11:42	0° <b>⊼</b> ¹	
asc. node	2056 Aug 27 09:07	28° <b>I</b> 52'16			2061 Oct 29 15:44	°ਤ	
	2056 Aug 29 04:10	0°ಅ			2061 Dec 08 01:37	0° <b>≈</b>	
	2056 Oct 22 04:26	$0^{\circ}\Omega$			2062 Jan 15 09:20	0° <b>)</b>	
retrograde	2056 Dec 14 20:18	14° <b>Ω</b> 28'15			2062 Feb 22 20:10	$0^{\circ}\mathbf{\Upsilon}$	
min. Earth dist.	2057 Jan 21 08:57	5° <b>Ω</b> 36'48	0.65552 AU		2062 Apr 03 08:49	$9^{\circ}$ 8	
opposition	2057 Jan 24 01:32	4° <b>£</b> 32′10	4°27'23	evening set	2062 Apr 07 23:05	3° <b>8</b> 24'41	
greatest brilliancy	2057 Jan 23 14:37	4° <b>Ω</b> 43'06	-1.4m	asc. node	2062 Apr 19 05:29	11° <b>8</b> 42'12	
	2057 Feb 05 01:07	30° <b>₹</b> 5			2062 May 14 14:55	$\Pi^{\circ}0$	
direct	2057 Mar 04 13:33	25° <b>©</b> 09'36				_	
	2057 Apr 03 21:32	0° <b>N</b>		conjunction	2062 Jun 06 06:05	15° <b>∏</b> 51'29	0°29'06
	2057 Jun 10 21:53	0° <b>m</b> )		minimum elong	2062 Jun 06 04:35	15° <b>Ⅱ</b> 48'53	0°29'04
daga mada	2057 Aug 01 17:28	0° <b>ჲ</b> 27° <b>ჲ</b> 35'35		may Earth dist	2062 Jun 26 22:18	0°ତ 6° <b>ତ</b> 27'14	2.56000 ATT
desc. node	2057 Sep 13 20:44 2057 Sep 17 11:27	27 <b>==</b> 33333		max. Earth dist. morning rise	2062 Jul 06 12:22 2062 Jul 29 09:38	0 \$27 14 21°\$37'01	2.56900 AU
	2057 Oct 30 19:42	0° <b>⊼</b> 1		morning rise	2062 Aug 11 06:15	21 <b>3</b> 3/01 0° <b>Ω</b>	
evening set	2057 Nov 25 13:39	18° <b>∡</b> 145'16			2062 Sep 27 10:43	0°m/	
e venning see	2057 Dec 10 14:33	0° <b>ਰ</b>			2062 Nov 15 15:19	0∘ <b>ರ</b> ೧.۳	
max. Earth dist.	2057 Dec 18 09:02	5° <b>云</b> 53'06	2.39736 AU		2063 Jan 07 14:57	0°M	
	2058 Jan 18 15:26	0° <b>≈</b>			2063 Mar 23 09:41	0° <b>∡</b> 7	
				retrograde	2063 Apr 09 06:16	1° <b>∡</b> ³36'41	
conjunction	2058 Jan 23 20:23	4° <b>≈</b> 04'10	-1°02'41		2063 Apr 25 06:58	30°RM	
minimum elong	2058 Jan 23 19:04	4° <b>≈</b> 01'34	1°02'40	desc. node	2063 May 06 17:57	26°M58'14	
	2058 Feb 25 19:03	0° <b>∀</b>		opposition	2063 May 14 22:22	24°M10'46	
morning rise	2058 Apr 02 17:53	28° <b>¥</b> 16'15		greatest brilliancy	2063 May 15 01:14	24°M08'12	
	2058 Apr 04 23:05	0° <b>Υ</b>		min. Earth dist.	2063 May 23 01:50	21°M16'04	0.52638 AU
	2058 May 14 00:37	0° <b>B</b>		direct	2063 Jun 23 04:42	15°M05'43	
	2058 Jun 23 19:19 2058 Jul 15 08:02	0°Ⅱ 15°Ⅲ10110			2063 Aug 14 11:00	0°⊀ 0° <b>⋜</b>	
asc. node	2058 Jul 15 08.02 2058 Aug 06 02:30	15° <b>Ⅱ</b> 10'19 0° <b>©</b>			2063 Oct 03 10:20 2063 Nov 14 07:25	0°る 0°≈	
	2058 Sep 22 01:49	0° <b>U</b>			2063 Dec 23 23:03	0° <b>∺</b>	
	2058 Nov 15 18:23	0° <b>m</b> )			2064 Feb 01 10:32	0° <b>Υ</b>	
retrograde	2059 Jan 18 05:59	18° <b>m</b> ) 09'37		asc. node	2064 Mar 06 04:39	25° <b>Υ</b> 05'49	
opposition	2059 Feb 27 05:31	8° <b>m</b> 37'09	4°19'02		2064 Mar 12 21:51	0°8	
greatest brilliancy	2059 Feb 27 09:19	8° m/33'23	-1.3m		2064 Apr 24 00:52	$\Pi^{\circ}0$	
min. Earth dist.	2059 Feb 28 10:26	8° Mp 08'28	0.67681 AU	evening set	2064 May 30 18:46	25° <b>Ⅱ</b> 07'58	
	2059 Mar 26 01:41	30° <b>₹</b> Ω			2064 Jun 07 01:08	$0$ $\circ$ $\odot$	
direct	2059 Apr 09 09:48	28° <b>Ω</b> 41'36					
	2059 Apr 24 10:41	0° <b>m</b> )		conjunction	2064 Jul 20 10:03	28°930'14	
	2059 Jul 08 12:48	0° <b>™</b>		minimum elong	2064 Jul 20 09:05	28°928'40	1°03'34
desc. node	2059 Aug 01 19:30	13° <b>Ω</b> 55'22		E	2064 Jul 22 17:31	0° <b>Ω</b>	2 (40(5 ATT
	2059 Aug 27 15:39 2059 Oct 10 22:31	0° <b>M</b> 0° <b>⊀</b>		max. Earth dist.	2064 San 05 04:52	6° <b>\</b> 24'49 28° <b>\</b> 29'09	2.64965 AU
	2059 Nov 20 21:11	0°중		morning rise	2064 Sep 05 04:52 2064 Sep 07 14:05	0°M	
	2059 Dec 29 19:44	0°≈			2064 Oct 25 02:24	0∘ <b>ʊ</b> 0 ıı⁄ı	
evening set	2060 Jan 29 00:29	23°≈47'53			2064 Dec 12 02:45	0° <b>™</b>	
	2060 Feb 05 20:37	0° <b>\</b>			2065 Jan 30 05:31	0° <b>⊼</b> ″	
	2060 Mar 15 00:06	0° <b>Υ</b>		desc. node	2065 Mar 23 16:30	29° <b>х</b> 52'34	
					2065 Mar 23 22:07	0°ಕ	
conjunction	2060 Apr 06 03:55	17° <b>Ƴ</b> 07'02	-0°35'16	retrograde	2065 Jun 12 20:02	27° <b>る</b> 23'12	
minimum elong	2060 Apr 06 06:43	17° <b>Ƴ</b> 12'24	0°35'14	opposition	2065 Jul 13 21:03	22° <b>る</b> 02'13	-5°45'45
	2060 Apr 23 03:28	$9^{\circ}$ 8		greatest brilliancy	2065 Jul 15 00:41	21° <b>る</b> 42'25	
max. Earth dist.	2060 May 26 20:48	24° <b>8</b> 52'36	2.44210 AU	min. Earth dist.	2065 Jul 19 19:45	20° <b>る</b> 20'26	0.39959 AU
asc. node	•						
	2060 Jun 01 07:35	28° <b>8</b> 48'10		direct	2065 Aug 15 14:43	15° <b>පි</b> 55'30	
morning rise	•			direct		15°る55'30 0°≈ 0°升	

		~~00					
	2066 Jan 05 18:44	0° <b>Υ</b>			2070 Nov 26 20:30	0° <b>∡</b> ¹	
asc. node	2066 Jan 22 04:19	11° <b>Y</b> 23'40		morning rise	2070 Dec 31 03:15	24° <b>₰</b> ¹46'01	
	2066 Feb 18 01:27	$8^{\circ}$ 0			2071 Jan 07 05:21	0°ප	
	2066 Apr 03 04:51	$\Pi$ $^{\circ}0$			2071 Feb 16 00:54	0° <b>≈</b>	
	2066 May 18 15:36	$0$ $\circ$ $6$			2071 Mar 26 22:16	0° <b>∀</b>	
	2066 Jul 04 05:27	$0^{\circ}\Omega$			2071 May 04 16:45	$0^{\circ}\mathbf{\Upsilon}$	
evening set	2066 Jul 11 23:00	4° <b>Ω</b> 55'54			2071 Jun 13 08:28	0°8	
Ç	2066 Aug 20 08:49	0° mp			2071 Jul 25 05:45	0°II	
max. Earth dist.	2066 Aug 25 00:16		2.67633 AU		2071 Sep 10 00:27	0 . ಅ	
max. Darm dist.	2000 Hug 25 00:10	2 1937 13	2.07033710	asc. node	2071 Sep 14 01:55	2° <b>©</b> 21'11	
conjunction	2066 Aug 27 00:50	4° <b>™</b> 28'59	1°06'54	asc. nouc	2071 Sep 14 01:33 2071 Nov 22 13:09	2 <b>3</b> 21 11	
3	2066 Aug 27 09:58						
minimum elong	2066 Aug 27 10:29	4° m/29'49	1 00 34	retrograde	2071 Dec 02 01:27	0° <b>£</b> 35′23	
	2066 Oct 06 08:53	0∘ <b>⊽</b>			2071 Dec 11 07:32	30° <b>₹</b> 5	
morning rise	2066 Oct 10 19:55	2° <b>£</b> 51'55		min. Earth dist.	2072 Jan 06 20:17	22°©18'31	0.62938 AU
	2066 Nov 21 16:49	0°M₊		greatest brilliancy	2072 Jan 10 09:31	20° <b>©</b> 53'30	-1.5m
	2067 Jan 06 03:55	0° <b>∡</b> 7		opposition	2072 Jan 11 01:05	20° <b>©</b> 37'58	4°07'06
desc. node	2067 Feb 08 16:10	22° <b>∡</b> ¹27'49		direct	2072 Feb 18 12:42	11° <b>©</b> 35'57	
	2067 Feb 19 20:00	8°0			2072 Apr 23 23:09	$0^{\circ}\Omega$	
	2067 Apr 05 01:38	0° <b>≈</b>			2072 Jun 20 10:30	0° <b>m</b> )	
	2067 May 19 21:52	0° <b>)</b> €			2072 Aug 09 12:32	0∘ <mark>ಹ</mark>	
	2067 Jul 08 21:55	0°Υ			2072 Sep 24 18:19	0° <b>M</b> ₊	
ratra ara da		16° <b>Υ</b> 06'06		desc. node	•		
retrograde	2067 Aug 31 00:19		0.20660 444		2072 Sep 30 12:56	3°M53'46	
min. Earth dist.	2067 Sep 26 12:51		0.39669 AU	evening set	2072 Nov 05 11:18	28°M53'26	
opposition	2067 Oct 02 19:55	9° <b>Ƴ</b> 42'25			2072 Nov 07 00:35	0° <b>∡</b>	
greatest brilliancy	2067 Oct 02 00:55	9° <b>Ƴ</b> 56'42	-2.8m	max. Earth dist.	2072 Nov 20 06:05		2.44687 AU
direct	2067 Nov 02 02:56	4° <b>Ƴ</b> 16′10			2072 Dec 17 21:29	0°ප	
asc. node	2067 Dec 10 03:13	12° <b>Y</b> 26′55					
	2068 Jan 16 08:05	$B_{\circ 0}$		conjunction	2072 Dec 30 02:55	9° <b>ට</b> 14'57	-0°49'52
	2068 Mar 08 08:33	$\Pi^{\circ}0$		minimum elong	2072 Dec 30 00:47	9° <b>ප</b> 10'54	0°49'50
	2068 Apr 26 11:33	0°€		· ·	2073 Jan 26 01:50	0° <b>≈</b>	
	2068 Jun 14 00:17	$0^{\circ}\Omega$		morning rise	2073 Mar 03 10:05	28° <b>≈</b> 28'18	
	2068 Aug 01 01:44	0° <b>m</b> )		morning rise	2073 Mar 05 10:03 2073 Mar 05 08:42	0° <b>∀</b>	
avanina aat						0° <b>Υ</b>	
evening set	2068 Aug 17 10:39	10° m/20'15	0.64057.411		2073 Apr 12 14:51		
max. Earth dist.	2068 Sep 16 14:45	29° m 37'42	2.64857 AU		2073 May 21 17:43	0° <b>X</b>	
	2068 Sep 17 04:34	0∘ <b>⊽</b>			2073 Jul 01 14:41	$\Pi^{\circ 0}$	
				asc. node	2073 Aug 01 00:23	21° <b>Ⅱ</b> 08'56	
conjunction	2068 Oct 01 21:51	9° <b>ჲ</b> 33'13	0°44'48		2073 Aug 14 06:14	$0_{\circ}$ වෙ	
minimum elong	2068 Oct 01 22:59	9° <b>≏</b> 35'04	0°44'47		2073 Oct 01 13:57	$0$ $^{\circ}\Omega$	
	2068 Nov 01 21:01	$0^{\circ}$ M.			2073 Dec 04 06:57	0° <b>m</b>	
morning rise	2068 Nov 16 02:56	9° <b>™</b> 34'55		retrograde	2074 Jan 04 21:02	5° Mp 28'06	
•	2068 Dec 15 21:38	0° <b>∡</b> ¹			2074 Feb 02 23:01	30°R <b>Ω</b>	
desc. node	2068 Dec 26 15:01	7° <b>∡</b> ¹29'09		opposition	2074 Feb 14 01:59	25° <b>Ω</b> 43'37	4°31'37
	2069 Jan 27 07:22	0°る		greatest brilliancy	2074 Feb 14 00:02	25° <b>Ω</b> 45'34	
	2069 Mar 09 08:47	0° <b>≈</b>		min. Earth dist.	2074 Feb 13 18:18		0.67645 AU
	2069 Apr 18 13:36	0° <b>∀</b>		direct	2074 Mar 26 18:11	15° <b>Ω</b> 57'51	0.070 <del>1</del> 3 AC
	•	0° <b>Υ</b>		direct			
	2069 May 28 19:06				2074 May 21 07:30	0° Mp	
	2069 Jul 09 17:32	0° <b>8</b>			2074 Jul 18 12:46	0° <b>⊽</b>	
	2069 Aug 27 00:53	$\Pi$ $^{\circ}0$		desc. node	2074 Aug 18 12:03	18° <b>≏</b> 49'23	
retrograde	2069 Oct 23 06:16	18° <b>Ⅱ</b> 04'05			2074 Sep 04 20:19	0°M	
asc. node	2069 Oct 27 01:58	17° <b>Ⅱ</b> 57'43			2074 Oct 18 15:24	0° <b>∡</b> ¹	
min. Earth dist.	2069 Nov 22 19:10	11° <b>Ⅱ</b> 39'58	0.52220 AU		2074 Nov 28 11:13	0°ප	
opposition	2069 Nov 30 10:20	8° <b>Ⅱ</b> 47'18	1°42'02	evening set	2075 Jan 01 14:38	26° <b>ප</b> 15'14	
greatest brilliancy	2069 Nov 29 21:45	8° <b>Ⅱ</b> 59'10	-2.1m		2075 Jan 06 09:41	0° <b>≈</b>	
direct	2070 Jan 04 08:14	1° <b>Ⅱ</b> 07'19			2075 Feb 13 10:38	0° <b>∀</b>	
	2070 Mar 30 11:24	0°99					
	2070 May 23 15:44	$0^{\circ}\Omega$		conjunction	2075 Mar 09 06:51	18° <b>)</b> 49′21	-0°56'40
	2070 Jul 12 22:16	0° m/y		minimum elong	2075 Mar 09 09:43	18° <b>)</b> 54'59	
				minimum ciong		18 <b>π</b> 3439	0 3039
	2070 Aug 29 20:01	0° <b>Ω</b>		n a v ·	2075 Mar 23 13:08		2 20070 111
evening set	2070 Sep 24 03:49	16° <b>£</b> 27'43	0.500=5.1==	max. Earth dist.	2075 Apr 24 22:48	24° <b>Y</b> 58′02	2.38970 AU
max. Earth dist.	2070 Oct 13 04:41	29° <b>Ω</b> 08'35	2.56876 AU		2075 May 01 14:29	0° <b>8</b>	
	2070 Oct 14 11:13	0°M₊		morning rise	2075 May 18 01:41	12° <b>8</b> 18'06	
					2075 Jun 11 08:28	$\Pi^{\circ}0$	
conjunction	2070 Nov 10 18:24	18°M42'05	0°01'42	asc. node	2075 Jun 18 22:44	5° <b>Ⅱ</b> 25'25	
minimum elong	2070 Nov 10 18:30	18° <b>M</b> 42'14	0°01'41		2075 Jul 24 09:06	$0$ $\circ$ $\odot$	
behind sun begin	2070 Nov 09 22:05	18°M06'45			2075 Sep 08 05:39	$0^{\circ}\Omega$	
behind sun end	2070 Nov 11 14:55	19° <b>M</b> 17'46			2075 Oct 28 05:31	0° <b>m</b> )	
desc. node	2070 Nov 13 13:34	20°M39'06			2075 Dec 29 03:48	0∘ <mark>ಹ</mark>	
						- —	

. 1	2076 F.1. 00. 02.00	00.0.45100			2000 0 . 24 14 22	00-	
retrograde	2076 Feb 09 02:09	8° <b>≏</b> 45'22			2080 Oct 24 14:23	0° <b>≈</b>	
	2076 Mar 18 10:42	30° <b>₽, ™</b>			2080 Dec 06 06:22	0° <b>∀</b>	
opposition	2076 Mar 19 08:56	29° <b>m</b> 38'18	3°35'03		2081 Jan 16 11:27	$0$ ° $\mathbf{\gamma}$	
greatest brilliancy	2076 Mar 19 19:43	29° <b>№</b> 27'45	-1.4m	asc. node	2081 Feb 07 20:13	16° <b>Ƴ</b> 10′25	
min. Earth dist.	2076 Mar 22 22:24	28° <b>m</b> 14'45	0.65743 AU		2081 Feb 27 05:02	$_{0\circ}$ 8	
direct	2076 Apr 29 20:56	19° Mp 36'13			2081 Apr 11 07:39	$\Pi^{\circ}0$	
	2076 Jun 14 11:04	$0$ ° $\overline{\mathbf{v}}$			2081 May 26 01:23	0ಂತ	
desc. node	2076 Jul 05 10:29	9° <b>£</b> 26'58		evening set	2081 Jun 26 09:36	20°527'30	
dese. Hode	2076 Aug 11 11:51	0° <b>M</b>		evening set	2081 Jul 11 04:40	0°Ω	
	•				2001 Jul 11 04.40	0 86	
	2076 Sep 26 12:27	0° <b>∡</b> ¹					
	2076 Nov 07 00:30	0°ಕ		conjunction	2081 Aug 13 01:26	21° <b>Ω</b> 01'35	1°08'53
	2076 Dec 16 03:56	0° <b>≈</b>		minimum elong	2081 Aug 13 01:26	21° <b>Ω</b> 01'34	1°08'53
	2077 Jan 23 07:33	0° <b>ℋ</b>		max. Earth dist.	2081 Aug 16 01:28	22° <b>Ω</b> 56′20	2.67228 AU
	2077 Mar 02 14:01	$0$ ° $\Upsilon$			2081 Aug 27 03:40	0° <b>m</b>	
evening set	2077 Mar 13 01:30	8° <b>Ƴ</b> 05'55		morning rise	2081 Sep 27 00:37	19° <b>m</b> 38'55	
•	2077 Apr 10 21:30	0° <b>႘</b>		•	2081 Oct 13 06:17	0° <b>ت</b>	
asc. node	2077 May 05 22:41	18° <b>8</b> 29'20			2081 Nov 29 01:55	0°M	
use. Houe	2077 May 03 22.11	10 02720			2082 Jan 14 12:57	0° <b>⊼</b> ¹	
<del></del>	2077 M 15 20-25	250	0007133	4 4-			
conjunction	2077 May 15 20:35	25° <b>8</b> 39'22	0°06'22	desc. node	2082 Feb 25 07:07	26° <b>₹</b> 59'18	
minimum elong	2077 May 15 20:09	25° <b>8</b> 38'36	0°06'22		2082 Mar 01 23:28	0°ಕ	
behind sun begin	2077 May 14 20:40	24° <b>8</b> 56'23			2082 Apr 18 10:34	0° <b>≈</b>	
behind sun end	2077 May 16 19:38	26° <b>8</b> 20'45			2082 Jun 10 13:46	0° <b>ℋ</b>	
	2077 May 21 22:07	$\Pi$ $^{\circ}0$		retrograde	2082 Aug 02 04:16	14° <b>¥</b> 56′19	
max. Earth dist.	2077 Jun 23 12:12	22° <b>Ⅱ</b> 48'38	2.52339 AU	min. Earth dist.	2082 Aug 30 18:55	10° <b>)</b> 16′24	0.37356 AU
	2077 Jul 04 01:00	0°ಅ		opposition	2082 Sep 01 17:40	9° <b>¥</b> 45'07	-6°27'09
morning rise	2077 Jul 12 02:46	5°527'08		greatest brilliancy	2082 Sep 01 11:22	9° <b>)</b> 49′20	-2 9m
morning rise	2077 Aug 18 08:24	0°Ω		direct	2082 Oct 01 04:13	4° <b>)</b> 50'45	2.7111
	-			unect		4 γ(3043 0° <b>γ</b>	
	2077 Oct 04 21:27	0° <b>т</b> р			2082 Dec 12 10:11		
	2077 Nov 24 09:47	0∘ <b>⊽</b>		asc. node	2082 Dec 26 19:17	8° <b>Ƴ</b> 14'08	
	2078 Jan 21 16:29	0°M₊			2083 Jan 31 09:08	$0^{\circ}S$	
retrograde	2078 Mar 21 00:44	15°M16′21			2083 Mar 19 14:35	$\Pi$ $^{\circ}0$	
opposition	2078 Apr 27 01:39	7° <b>M</b> 13'44	1°08'02		2083 May 05 18:46	$0$ $\circ$ $\odot$	
greatest brilliancy	2078 Apr 27 09:39	7°MJ06'18	-1.8m		2083 Jun 22 08:23	$0^{\circ}\Omega$	
min. Earth dist.	2078 May 04 05:03	4°M34'24	0.57392 AU	evening set	2083 Aug 04 01:57	26° <b>Ω</b> 54'55	
	2078 May 18 14:44	30° <b>R</b> Ω	***************************************	5 · • · · · · · · · · · · · · · · · · ·	2083 Aug 08 23:03	0° m)	
desc. node	2078 May 23 09:15	28° <b>£</b> 57'14		max. Earth dist.	2083 Sep 08 07:17	19° <b>m</b> ) 17'37	2.66587 AU
	-			max. Earth dist.	2083 Sep 08 07.17	19 11/1/3/	2.00387 AU
direct	2078 Jun 06 12:50	27° <b>Ω</b> 36'45					
	2078 Jun 26 04:06	0°M₊		conjunction	2083 Sep 18 14:21	25° <b>m</b> 53'46	0°56'06
	2078 Aug 30 16:42	0°⊀		minimum elong	2083 Sep 18 15:24	25° <b>m</b> 55'27	0°56'06
	2078 Oct 14 13:13	0°₹			2083 Sep 24 23:20	0∘ <b>⊽</b>	
	2078 Nov 23 23:43	0° <b>≈</b>		morning rise	2083 Nov 02 02:30	24° <b>≏</b> 52'33	
	2079 Jan 01 21:44	0° <b>)</b> €			2083 Nov 09 20:11	$0^{\circ}$ M.	
	2079 Feb 09 20:07	$0^{\circ}\mathbf{\Upsilon}$			2083 Dec 24 07:19	0° <b>∡</b> ¹	
	2079 Mar 21 19:49	0°8		desc. node	2084 Jan 13 06:51	13° <b>√</b> 48'11	
asc. node	2079 Mar 23 21:58	1° <b>8</b> 32'10			2084 Feb 05 09:03	0°⋜	
use. Houe	2079 May 02 12:24	0°II			2084 Mar 18 06:47	0° <b>≈</b>	
	•					0 <b>≈</b> 0° <b>H</b>	
evening set	2079 May 12 14:50	7° <b>Ⅱ</b> 03'54			2084 Apr 28 12:17		
	2079 Jun 15 04:02	0			2084 Jun 09 04:24	0° <b>Υ</b>	
					2084 Jul 24 07:19	0° <b>8</b>	
conjunction	2079 Jul 05 01:19	13° <b>©</b> 15'23	0°54'14	retrograde	2084 Oct 04 14:33	27° <b>8</b> 16'20	
minimum elong	2079 Jul 04 23:50	13° <b>©</b> 12'56	0°54'12	min. Earth dist.	2084 Nov 02 00:28	21° <b>8</b> 43'29	0.46985 AU
max. Earth dist.	2079 Jul 23 21:13	25° <b>©</b> 36'35	2.62418 AU	opposition	2084 Nov 10 06:08	18° <b>8</b> 48'00	-0°08'27
	2079 Jul 30 15:15	$0^{\circ}\Omega$		greatest brilliancy	2091 Sep 01 20:49	6°M58'37	1.2m
morning rise	2079 Aug 22 18:34	14° <b>Ω</b> 54'02		asc. node	2084 Nov 12 18:37	17° <b>8</b> 54'52	
	2079 Sep 15 12:29	0° m)		direct	2084 Dec 13 07:36	11° <b>8</b> 55'50	
	2079 Nov 02 11:24	0° <del>ت</del>			2085 Feb 13 13:49	0°II	
						0°©	
	2079 Dec 21 17:48	0°M			2085 Apr 10 23:39		
	2080 Feb 12 04:14	0° <b>∡</b> 7			2085 Jun 01 01:48	0° <b>N</b>	
desc. node	2080 Apr 09 08:10	26° <b>∡</b> 10'49			2085 Jul 20 06:01	0° <b>m</b> p	
	2080 Apr 22 13:44	0°ಕ			2085 Sep 05 18:20	0∘ <b>⊽</b>	
retrograde	2080 May 14 22:22	2°る48'47		evening set	2085 Sep 09 03:28	2° <b>≙</b> 10'44	
	2080 Jun 05 07:25	30°₽ <b>₰</b>		max. Earth dist.	2085 Oct 02 02:54	17° <b>≙</b> 10′26	2.60603 AU
opposition	2080 Jun 16 20:28	26° <b>₹</b> 36'46	-3°34'38		2085 Oct 21 09:01	0°M	
greatest brilliancy	2080 Jun 17 20:49	26° <b>√</b> 17'10					
min. Earth dist.	2080 Jun 24 22:47		0.44498 AU	conjunction	2085 Oct 25 11:05	2°M45'17	0°20'32
direct	2080 Jul 22 17:05	19°×705'24		minimum elong	2085 Oct 25 11:48	2°M46'30	
anoci	2080 Sep 03 07:13	19 <b>メ</b> ・03 24 0°る		desc. node	2085 Nov 30 05:55	27°M23'12	0 20 31
	2000 Sep 03 07.13	υ <b>Ο</b>		uese. Hode	2003 INUV 30 U3.33	27 HG23 12	

	2085 Dec 03 23:10	0° <b>∡</b> 7		min. Earth dist.	2091 Mar 08 21:37	15° Mn / 1'// 1	0.67272 AU
morning rise	2085 Dec 03 23:10 2085 Dec 12 02:22	5° <b>∡</b> 745'06		direct	2091 Apr 17 04:40	6° Mg 31'06	0.07272 AO
morning rise	2086 Jan 14 16:09	ッメ・4300 0°る		direct	2091 Apri 17 04:40 2091 Jun 30 23:37	0∘ <b>⊽</b>	
	2086 Feb 23 21:00	0°≈		desc. node	2091 Jul 23 02:00	0 <b>=</b> 11° <b>£</b> 58'11	
	2086 Apr 04 03:32	0° <b>∺</b>		desc. node	2091 Aug 21 23:56	0°M	
	2086 May 13 06:49	0° <b>Υ</b>			2091 Oct 05 19:36	0° <b>⊼</b>	
	2086 Jun 22 10:01	0°8			2091 Nov 15 22:40	⊙ੰਤ	
	2086 Aug 04 08:53	0°II			2091 Dec 24 22:41	0° <b>≈</b>	
	2086 Sep 24 09:15	0°ಅ			2092 Feb 01 00:09	0° <b>∀</b>	
asc. node	2086 Sep 30 16:56	3°900'25		evening set	2092 Feb 14 01:19	10° <b>¥</b> 18'25	
retrograde	2086 Nov 17 14:10	15°938'08			2092 Mar 10 04:01	0°Υ	
min. Earth dist.	2086 Dec 21 10:48	8°\$00'49	0.59386 AU		2092 Apr 18 07:57	0°8	
greatest brilliancy	2086 Dec 26 08:38	6°904'36	-1.7m		r		
opposition	2086 Dec 27 02:38	5° <b>©</b> 46'48	3°29'40	conjunction	2092 Apr 21 09:37	2° <b>8</b> 18'10	-0°20'07
11	2087 Jan 12 17:12	30° <b>Ŗ</b> Ⅱ		minimum elong	2092 Apr 21 11:16	2° <b>8</b> 21'15	
direct	2087 Feb 02 08:59	27° <b>I</b> 11'00		asc. node	2092 May 22 14:24	25° <b>8</b> 15'16	
	2087 Feb 24 16:36	0ංම			2092 May 29 04:47	$\Pi^{\circ}0$	
	2087 May 07 12:08	$0^{\circ}\Omega$		max. Earth dist.	2092 Jun 07 09:14	6° <b>∏</b> 32'32	2.47220 AU
	2087 Jun 29 22:17	0° m/		morning rise	2092 Jun 22 16:14	17° <b>Ⅱ</b> 16′03	
	2087 Aug 17 22:07	0° <del>ق</del>		Č	2092 Jul 11 05:01	$0$ $\circ$ $\mathfrak{S}$	
	2087 Oct 02 20:32	0° <b>M</b> ,			2092 Aug 25 14:25	$0^{\circ}\Omega$	
desc. node	2087 Oct 18 04:18	10°M25'29			2092 Oct 12 17:32	O° Mp	
evening set	2087 Oct 19 11:41	11° <b>M</b> L19'29			2092 Dec 04 10:20	0∘ <b>⊽</b>	
max. Earth dist.	2087 Nov 03 06:00	21°MJ35'30	2.49834 AU		2093 Feb 22 16:15	o° <b>m</b>	
	2087 Nov 15 03:14	0° <b>∡</b> ¹		retrograde	2093 Mar 03 23:51	0°M30'38	
				-	2093 Mar 13 01:07	30° <b>₽</b> Ω	
conjunction	2087 Dec 09 13:24	17° <b>∡</b> ¹40'48	-0°30'47	opposition	2093 Apr 11 02:21	21° <b>≏</b> 58'34	2°18'00
minimum elong	2087 Dec 09 11:57	17° <b>∡</b> ³38'09	0°30'45	greatest brilliancy	2093 Apr 11 14:41	21° <b>≏</b> 46'47	-1.6m
	2087 Dec 26 04:14	0°ರ		min. Earth dist.	2093 Apr 16 22:16	19° <b>≏</b> 45'06	0.61383 AU
	2088 Feb 03 13:42	0° <b>≈</b>		direct	2093 May 22 06:01	12° <b>≏</b> 04'19	
morning rise	2088 Feb 04 17:20	0° <b>≈</b> 53'25		desc. node	2093 Jun 09 00:33	13° <b>≙</b> 58'55	
	2088 Mar 13 01:13	0° <b>)</b> €			2093 Jul 22 03:48	$0^{\circ}$ M	
	2088 Apr 20 10:41	$0$ ° $\Upsilon$			2093 Sep 11 04:55	0° <b>∡</b> ″	
	2088 May 29 16:07	$_{0\circ}$ 8			2093 Oct 24 02:20	8°0	
	2088 Jul 09 17:49	$\Pi^{\circ}0$			2093 Dec 02 19:18	0° <b>≈</b>	
asc. node	2088 Aug 17 16:34	26° <b>Ⅲ</b> 32'55			2094 Jan 10 07:05	0° <b>∀</b>	
	2088 Aug 23 00:23	0ංම			2094 Feb 17 20:50	$0^{\circ}\Upsilon$	
	2088 Oct 12 22:02	$0^{\circ}\Omega$			2094 Mar 29 12:00	0° <b>8</b>	
retrograde	2088 Dec 22 14:10	22° <b>Ω</b> 34'46		asc. node	2094 Apr 09 13:35	8° <b>8</b> 09'51	
min. Earth dist.	2089 Jan 30 00:20	13° <b>Ω</b> 25'44	0.66577 AU	evening set	2094 Apr 21 05:46	16° <b>8</b> 40'17	
opposition	2089 Jan 31 20:23	12° <b>Ω</b> 41'38	4°32'43		2094 May 09 20:32	$\Pi$ $^{\circ}0$	
greatest brilliancy	2089 Jan 31 12:34	12° <b>Ω</b> 49'28	-1.3m				
direct	2089 Mar 12 19:37	3° <b>Ω</b> 09'31		conjunction	2094 Jun 17 05:46	26° <b>Ⅲ</b> 37'11	0°39'49
	2089 Jun 03 19:04	O° <b>m</b> y		minimum elong	2094 Jun 17 04:06	26° <b>∏</b> 34′20	0°39'47
	2089 Jul 27 06:47	0∘ <b>ত</b>			2094 Jun 22 05:31	$0$ $\circ$ $\odot$	
desc. node	2089 Sep 04 02:56	24° <b>£</b> 27'15		max. Earth dist.	2094 Jul 13 04:33		2.59082 AU
	2089 Sep 12 12:49	0°M			2094 Aug 06 13:32	$0 {\circ} \Omega$	
	2089 Oct 26 01:04	0° <b>∡</b>		morning rise	2094 Aug 07 13:50	0° <b>Ω</b> 39'25	
	2089 Dec 05 20:33	0°る			2094 Sep 22 13:56	0° <b>m</b> y	
evening set	2089 Dec 08 02:27	1° <b>る</b> 41'48			2094 Nov 10 04:58	0∘ <b>⊽</b>	
	2090 Jan 13 20:44	0° <b>≈</b>			2094 Dec 31 10:13	0°M	
max. Earth dist.	2090 Jan 15 22:11	1°≈36'36	2.37599 AU		2095 Mar 01 06:16	0° <b>∡</b> 7	
				retrograde	2095 Apr 21 13:05	12° <b>₹</b> 22'11	
conjunction	2090 Feb 08 05:29	19°≈55'56		desc. node	2095 Apr 26 23:23	12° <b>√</b> 11'11	
minimum elong	2090 Feb 08 05:33	19°≈56'05	1°04'50	opposition	2095 May 26 06:27	5° <b>₹</b> 20'31	
	2090 Feb 20 23:27	0° <b>∀</b>		greatest brilliancy	2095 May 26 17:11	5° 🖈 11'13	
	2090 Mar 31 02:38	0° <b>Υ</b>		min. Earth dist.	2095 Jun 03 16:06	2° <b>₹</b> 25'37	0.49748 AU
morning rise	2090 Apr 19 20:02	15° <b>Y</b> 17'11		J:4	2095 Jun 11 10:04	30°RM 26°M 42111	
	2090 May 09 03:23	0° <b>B</b>		direct	2095 Jul 03 12:49	26°M42'11	
aga m-J-	2090 Jun 18 20:42	0° <b>I</b> 11° <b>I</b> 55'26			2095 Jul 26 03:48	0° <b>∡</b> 0° <b>≥</b>	
asc. node	2090 Jul 05 16:07	11° <b>II</b> 55'26			2095 Sep 25 01:42	5°0	
	2090 Jul 31 23:25	0.ಲ			2095 Nov 07 14:26	0° <b>≈</b>	
	2090 Sep 16 08:57	0° <b>N</b>			2095 Dec 17 23:19	0° <b>)</b> €	
notno a J-	2090 Nov 07 15:05	0° Mp		000 m-J-	2096 Jan 26 21:39	0°Υ 21°W52112	
retrograde	2091 Jan 26 01:36	25° Mp 54'48	4006!11	asc. node	2096 Feb 25 12:56	21° <b>Y</b> 53'13	
opposition	2091 Mar 06 20:15	-			2096 Mar 07 17:00	0°B 0°B	
greatest brilliancy	2091 Mar 07 02:55	16° <b>m</b> 23'51	-1.3111		2096 Apr 19 02:28	υд	

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	2096 Jun 02 07:18	0ಂಣ			2101 Apr 13 19:46	0° <b>∀</b>	
evening set	2096 Jun 09 19:55	4° <b>9</b> 59'37			2101 May 23 13:31	$0$ ° $\Upsilon$	
	2096 Jul 18 02:29	$0^{\circ}\Omega$			2101 Jul 03 14:16	0° <b>႘</b>	
					2101 Aug 17 21:03	$\Pi^{\circ}0$	
conjunction	2096 Jul 29 05:28	7° <b>Ω</b> 10'11	1°06'47	asc. node	2101 Oct 18 10:26	27° <b>Ⅲ</b> 20'31	
minimum elong	2096 Jul 29 04:50	7° <b>Ω</b> 09'11	1°06'46	retrograde	2101 Nov 02 22:10	28° <b>∏</b> 57'33	
max. Earth dist.	2096 Aug 07 03:01		2.66003 AU	min. Earth dist.	2101 Dec 04 15:45		0.54941 AU
	2096 Sep 02 23:02	0° <b>m</b> ∕		opposition	2101 Dec 11 15:43		2°29'40
morning rise	2096 Sep 13 05:07	6° Mg 30′49		greatest brilliancy	2101 Dec 10 23:17	19° <b>Ⅱ</b> 40'04	-1.9m
	2096 Oct 20 06:59	0∘ <b>⊽</b>					
	2096 Dec 06 19:14	0° <b>M</b> 0°. <b>₹</b>					
desc. node	2097 Jan 23 17:32	0° <b>∡</b> 7					
	2097 Mar 13 23:18	29° <b>₹</b> 50'02					
	2097 Mar 14 06:07	0°る 0°≈					
retrograde	2097 May 09 13:55 2097 Jun 30 22:47	0 ≈ 13°≈48'03					
opposition	2097 Jul 30 22.47 2097 Jul 31 03:39	13 ≈48 03 8°≈46'49	6°37'16				
greatest brilliancy	2097 Jul 31 03:39 2097 Jul 31 23:49	8°≈33'08	-0 37 10 -2.9m				
min. Earth dist.	2097 Aug 03 18:12	7°≈48'08	0.38187 AU				
direct	2097 Aug 03 16:12 2097 Aug 31 07:00	3°≈21'53	0.56167 AC				
asc. node	2097 Nov 11 20:00	0° <b>\</b>					
	2097 Dec 29 01:00	$0^{\circ}\Upsilon$					
	2098 Jan 12 10:37	9° <b>Υ</b> 37'09					
	2098 Feb 11 17:44	0°8					
	2098 Mar 28 16:29	0°II					
	2098 May 13 14:54	0ංම					
	2098 Jun 29 11:49	$0^{\circ}\Omega$					
evening set	2098 Jul 20 12:28	13° <b>Ω</b> 20'54					
	2098 Aug 15 18:28	0° <b>m</b>					
max. Earth dist.	2098 Aug 30 05:12	9° <b>m</b> ∤11'07	2.67501 AU				
conjunction	2098 Sep 04 12:04	12° <b>m</b> 33'10	1°03'58				
minimum elong	2098 Sep 04 12:49	12° m/ 34'22	1°03'58				
	2098 Oct 01 18:13	0° <b>ت</b>					
	2098 Oct 18 19:22	11° <b>≏</b> 00'13					
	2098 Nov 16 21:57	0°M					
	2098 Dec 31 23:37	0° <b>∡</b> ¹					
desc. node	2099 Jan 29 22:31	19° <b>∡</b> ³39'36					
	2099 Feb 14 00:02	0°₹					
	2099 Mar 29 04:51	0° <b>≈</b>					
	2099 May 11 06:06	0° <b>∺</b>					
	2099 Jun 25 06:26	0° <b>Υ</b>					
	2099 Aug 26 01:42	0° <b>8</b>					
retrograde	2099 Sep 13 23:03	2° <b>8</b> 29'23					
	2099 Oct 02 18:01	30° <b>R</b> Υ	0.41001.477				
min. Earth dist.	2099 Oct 10 18:43 2099 Oct 18 08:08		0.41921 AU				
opposition	2099 Oct 18 08:08 2099 Oct 17 16:31	25° <b>Y</b> 16'33 25° <b>Y</b> 29'09					
greatest brilliancy direct	2099 Oct 17 16.31 2099 Nov 18 11:45	23 <b>γ</b> 29 09 19° <b>γ</b> 20'25	-2./III				
asc. node	2099 Nov 30 10:01	20° <b>Υ</b> 15'13					
asc. node	2100 Jan 02 03:48	0° <b>8</b>					
	2100 Jan 02 03:48 2100 Mar 01 19:46	0 C					
	2100 Apr 21 15:51	0°e					
	2100 Jun 09 22:21	0°€					
	2100 Jul 28 08:12	0° <b>m</b> )					
evening set max. Earth dist.	2100 Aug 26 16:03	18° m/30'52					
	2100 Sep 13 14:09	0∘ <u>⊽</u>					
	2100 Sep 23 03:59		2.63561 AU				
conjunction	2100 Oct 11 06:57	18° <b>≏</b> 03'39	0°36'43				
minimum elong	2100 Oct 11 08:01	18° <b>⊆</b> 05'24					
	2100 Oct 29 06:06	0°M	· · · · · ·				
morning rise	2100 Nov 26 03:33	18° <b>M</b> 55'57					
-	2100 Dec 12 02:54	0° <b>∡</b> ¹					
desc. node	2100 Dec 17 21:08	4° <b>₰</b> 01'50					
	2101 Jan 23 06:31	ರ°0					
	2101 Mar 04 23:58	0°~					

2101 Mar 04 23:58