superior conj	5600 Oct 03 03:36	13°♎18'02	1°24'55
minimum elong	5600 Oct 03 01:29	13°♎11'32	1°24'55
	5600 Oct 16 16:04	0°♏	
evening rise	5600 Nov 08 23:07	28°♏48'47	
	5600 Nov 09 22:08	0°♐	
desc. node	5600 Dec 01 23:45	27°♐18'57	
	5600 Dec 04 03:46	0°♑	
	5600 Dec 28 09:10	0°♒	
	5601 Jan 21 14:51	0°♓	
	5601 Feb 14 22:52	0°♈	
	5601 Mar 11 14:05	0°♉	
asc. node	5601 Mar 25 00:58	16°♉04'51	
	5601 Apr 05 21:47	0°♊	
	5601 May 02 18:05	0°♋	
evening max el	5601 May 14 12:54	12°♋08'49	46°19'45
	5601 Jun 03 07:55	0°♌	
greatest brilliancy	5601 Jun 22 03:07	11°♌29'13	-4.8m
retrograde	5601 Jul 03 06:56	13°♌46'05	
desc. node	5601 Jul 14 16:38	11°♌09'15	
evening set	5601 Jul 18 07:12	9°♌20'45	
min. Earth dist.	5601 Jul 24 04:24	5°♌49'38	0.28631 AU
inferior conj	5601 Jul 24 16:02	5°♌31'28	-2°22'50
minimum elong	5601 Jul 24 10:53	5°♌39'31	2°21'22
morning rise	5601 Jul 30 15:07	1°♌56'50	
	5601 Aug 03 12:08	30°℞♋	
direct	5601 Aug 15 01:30	27°♋21'57	
greatest brilliancy	5601 Aug 24 23:55	29°♋09'10	-4.7m
	5601 Aug 27 06:00	0°♌	
morning max el	5601 Oct 02 18:56	27°♌04'44	45°42'48
	5601 Oct 05 19:31	0°♍	
	5601 Nov 03 07:59	0°♎	
asc. node	5601 Nov 04 17:57	1°♎34'28	
	5601 Nov 29 12:07	0°♏	
	5601 Dec 24 13:59	0°♐	
	5602 Jan 18 01:46	0°♑	
	5602 Feb 11 05:52	0°♒	
desc. node	5602 Feb 24 09:23	16°♒25'10	
	5602 Mar 07 05:47	0°♓	
	5602 Mar 31 03:48	0°♈	
morning set	5602 Apr 04 21:22	5°♈56'11	
	5602 Apr 24 01:56	0°♉	
superior conj	5602 May 14 22:33	26°♉04'41	-1°09'49
minimum elong	5602 May 15 09:14	26°♉38'01	1°09'32
	5602 May 18 02:00	0°♊	
max. Earth dist.	5602 May 18 18:42	0°♊52'04	1.72019 AU
	5602 Jun 11 05:12	0°♋	
asc. node	5602 Jun 17 10:34	7°♋42'31	
evening rise	5602 Jun 23 00:45	14°♋37'19	
	5602 Jul 05 12:01	0°♌	
	5602 Jul 29 22:44	0°♍	
	5602 Aug 23 14:14	0°♎	
	5602 Sep 17 12:32	0°♏	
desc. node	5602 Oct 07 02:02	23°♏12'29	
	5602 Oct 12 20:48	0°♐	
	5602 Nov 07 20:23	0°♑	
	5602 Dec 05 01:03	0°♒	
evening max el	5602 Dec 18 19:45	14°♒11'40	46°45'09
	5603 Jan 04 22:48	0°♓	
greatest brilliancy	5603 Jan 28 01:10	14°♓41'19	-4.9m
asc. node	5603 Jan 28 03:30	14°♓43'25	
retrograde	5603 Feb 07 01:56	16°♓34'55	
evening set	5603 Feb 22 16:16	11°♓47'06	
min. Earth dist.	5603 Feb 27 03:24	9°♓07'26	0.26790 AU
inferior conj	5603 Feb 27 15:23	8°♓49'02	6°59'15
minimum elong	5603 Feb 27 04:32	9°♓05'41	6°57'00
morning rise	5603 Mar 03 17:00	6°♓22'20	
direct	5603 Mar 20 04:17	1°♓07'05	
greatest brilliancy	5603 Mar 29 13:57	2°♓48'06	-4.9m
	5603 May 05 18:12	0°♈	
morning max el	5603 May 09 10:04	3°♈36'17	46°44'22
desc. node	5603 May 19 18:58	14°♈15'18	
	5603 Jun 03 07:59	0°♉	
	5603 Jun 29 18:00	0°♊	
	5603 Jul 25 08:51	0°♋	
	5603 Aug 19 13:47	0°♌	
asc. node	5603 Sep 09 20:09	25°♌36'12	
	5603 Sep 13 11:17	0°♍	
	5603 Oct 08 02:01	0°♎	
	5603 Nov 01 10:58	0°♏	
morning set	5603 Nov 05 02:33	4°♏30'50	
	5603 Nov 25 15:40	0°♐	
max. Earth dist.	5603 Dec 09 19:02	17°♐36'14	1.72105 AU
superior conj	5603 Dec 12 17:04	21°♐14'28	0°41'09
minimum elong	5603 Dec 13 01:41	21°♐41'18	0°40'47
	5603 Dec 19 17:37	0°♑	
desc. node	5603 Dec 30 11:40	13°♑25'45	
	5604 Jan 12 17:42	0°♒	
evening rise	5604 Jan 21 08:27	10°♒46'59	
	5604 Feb 05 16:33	0°♓	
	5604 Feb 29 15:20	0°♈	
	5604 Mar 24 16:22	0°♉	
	5604 Apr 17 23:01	0°♊	
asc. node	5604 Apr 21 12:49	4°♊22'48	
	5604 May 12 15:51	0°♋	
	5604 Jun 07 01:45	0°♌	
	5604 Jul 03 19:35	0°♍	
evening max el	5604 Jul 24 02:48	20°♍50'53	45°36'25
	5604 Aug 03 00:20	0°♎	
desc. node	5604 Aug 11 04:31	6°♎47'43	
greatest brilliancy	5604 Aug 31 16:18	18°♎57'29	-4.7m
retrograde	5604 Sep 10 20:59	20°♎49'59	
evening set	5604 Sep 28 21:06	14°♎47'45	
inferior conj	5604 Oct 02 09:30	12°♎37'03	-8°32'00
minimum elong	5604 Oct 02 06:49	12°♎41'16	8°31'55
min. Earth dist.	5604 Oct 02 14:53	12°♎28'35	0.29082 AU
morning rise	5604 Oct 05 16:25	10°♎34'17	
direct	5604 Oct 23 23:23	4°♎18'39	
greatest brilliancy	5604 Nov 03 16:21	6°♎23'13	-4.8m
asc. node	5604 Dec 02 05:41	25°♎49'07	
	5604 Dec 06 18:39	0°♏	
morning max el	5604 Dec 12 14:16	5°♏37'45	46°15'10
	5605 Jan 04 14:45	0°♐	
	5605 Jan 30 15:49	0°♑	
	5605 Feb 24 15:16	0°♒	
	5605 Mar 21 02:48	0°♓	
desc. node	5605 Mar 23 21:11	3°♓24'42	
	5605 Apr 14 08:40	0°♈	
	5605 May 08 12:28	0°♉	
	5605 Jun 01 16:36	0°♊	
morning set	5605 Jun 17 08:29	19°♊23'46	
	5605 Jun 25 22:20	0°♋	
asc. node	5605 Jul 14 22:27	23°♋27'32	
	5605 Jul 20 05:47	0°♌	
superior conj	5605 Jul 25 01:33	5°♌56'38	0°24'03
minimum elong	5605 Jul 24 20:32	5°♌41'12	0°23'47
max. Earth dist.	5605 Jul 26 06:06	7°♌24'33	1.73261 AU
	5605 Aug 13 14:24	0°♍	

evening rise	5605 Aug 30 12:01	20°♍47'19	
	5605 Sep 06 23:53	0°♎	
	5605 Oct 01 10:45	0°♏	
	5605 Oct 25 23:55	0°♐	
desc. node	5605 Nov 03 13:53	10°♐27'02	
	5605 Nov 19 16:13	0°♑	
	5605 Dec 14 12:39	0°♒	
	5606 Jan 08 16:18	0°♓	
	5606 Feb 03 12:59	0°♈	
asc. node	5606 Feb 24 15:09	23°♈03'55	
evening max el	5606 Mar 01 09:58	27°♈59'38	47°06'04
	5606 Mar 03 09:43	0°♉	
greatest brilliancy	5606 Apr 11 00:23	29°♉20'51	-4.9m
	5606 Apr 12 22:42	0°♊	
retrograde	5606 Apr 21 03:22	1°♊17'50	
	5606 Apr 29 02:03	30°℞♉	
evening set	5606 May 08 06:51	25°♉36'48	
inferior conj	5606 May 12 02:23	23°♉16'31	7°28'28
minimum elong	5606 May 12 12:20	23°♉01'01	7°26'43
min. Earth dist.	5606 May 12 00:08	23°♉20'01	0.27631 AU
morning rise	5606 May 16 18:01	20°♉27'04	
direct	5606 Jun 01 21:57	15°♉21'58	
greatest brilliancy	5606 Jun 11 14:45	17°♉06'04	-4.8m
desc. node	5606 Jun 16 06:44	19°♉00'59	
	5606 Jul 03 02:55	0°♊	
morning max el	5606 Jul 21 04:22	16°♊02'58	45°59'11
	5606 Aug 04 01:13	0°♋	
	5606 Aug 31 16:05	0°♌	
	5606 Sep 26 19:45	0°♍	
asc. node	5606 Oct 07 08:03	12°♍21'33	
	5606 Oct 22 03:24	0°♎	
	5606 Nov 15 21:21	0°♏	
	5606 Dec 10 06:00	0°♐	
	5607 Jan 03 08:48	0°♑	
morning set	5607 Jan 15 17:13	15°♑26'17	
desc. node	5607 Jan 26 23:31	29°♑33'07	
	5607 Jan 27 08:05	0°♒	
	5607 Feb 20 05:16	0°♓	
max. Earth dist.	5607 Feb 25 02:35	6°♓08'57	1.71160 AU
superior conj	5607 Feb 25 15:08	6°♓48'26	-1°04'03
minimum elong	5607 Feb 25 03:09	6°♓10'44	1°03'38
	5607 Mar 16 01:37	0°♈	
evening rise	5607 Apr 07 11:19	28°♈08'38	
	5607 Apr 08 22:52	0°♉	
	5607 May 02 23:08	0°♊	
asc. node	5607 May 20 00:45	21°♊10'03	
	5607 May 27 04:32	0°♋	
	5607 Jun 20 16:56	0°♌	
	5607 Jul 15 14:56	0°♍	
	5607 Aug 10 03:37	0°♎	
	5607 Sep 05 18:21	0°♏	
desc. node	5607 Sep 08 16:10	3°♏09'49	
evening max el	5607 Oct 04 13:59	29°♏47'14	45°49'00
	5607 Oct 04 19:20	0°♐	
greatest brilliancy	5607 Nov 13 04:50	28°♐12'13	-4.8m
retrograde	5607 Nov 22 12:38	29°♐47'38	
evening set	5607 Dec 08 00:31	25°♐09'36	
inferior conj	5607 Dec 13 09:53	21°♐57'46	-4°12'12
minimum elong	5607 Dec 13 18:28	21°♐44'35	4°09'48
min. Earth dist.	5607 Dec 14 06:34	21°♐26'01	0.27519 AU
morning rise	5607 Dec 19 11:43	18°♐22'04	
asc. node	5607 Dec 30 17:36	14°♐14'56	
direct	5608 Jan 03 09:42	13°♐58'20	
greatest brilliancy	5608 Jan 14 11:36	16°♐16'44	-4.9m
	5608 Feb 04 17:43	0°♑	
morning max el	5608 Feb 23 01:13	17°♑07'20	46°55'34
	5608 Mar 06 07:40	0°♒	
	5608 Apr 01 22:19	0°♓	
desc. node	5608 Apr 20 09:13	21°♓44'16	
	5608 Apr 27 07:18	0°♈	
	5608 May 22 03:58	0°♉	
	5608 Jun 15 19:41	0°♊	
	5608 Jul 10 09:43	0°♋	
	5608 Aug 03 22:47	0°♌	
asc. node	5608 Aug 11 10:16	9°♌09'22	
morning set	5608 Aug 25 09:17	26°♌16'07	
	5608 Aug 28 10:15	0°♍	
	5608 Sep 21 19:29	0°♎	
max. Earth dist.	5608 Sep 29 06:08	9°♎10'42	1.73253 AU
superior conj	5608 Sep 30 21:33	11°♎12'18	1°24'29
minimum elong	5608 Sep 30 18:48	11°♎03'47	1°24'29
	5608 Oct 16 02:47	0°♏	
evening rise	5608 Nov 06 15:24	26°♏37'01	
	5608 Nov 09 09:01	0°♐	
desc. node	5608 Dec 01 01:52	26°♐51'13	
	5608 Dec 03 14:52	0°♑	
	5608 Dec 27 20:36	0°♒	
	5609 Jan 21 02:40	0°♓	
	5609 Feb 14 11:14	0°♈	
	5609 Mar 11 03:19	0°♉	
asc. node	5609 Mar 24 02:54	15°♉29'20	
	5609 Apr 05 12:40	0°♊	
	5609 May 02 12:56	0°♋	
evening max el	5609 May 12 05:02	9°♋55'06	46°21'44
	5609 Jun 03 21:31	0°♌	
greatest brilliancy	5609 Jun 19 19:38	9°♌17'16	-4.8m
retrograde	5609 Jun 30 23:21	11°♌33'32	
desc. node	5609 Jul 13 18:40	8°♌17'17	
evening set	5609 Jul 15 22:45	7°♌09'17	
inferior conj	5609 Jul 22 07:48	3°♌19'19	-2°03'02
minimum elong	5609 Jul 22 03:19	3°♌26'20	2°01'43
min. Earth dist.	5609 Jul 21 20:12	3°♌37'28	0.28591 AU
	5609 Jul 27 19:55	30°℞♋	
morning rise	5609 Jul 28 08:31	29°♋42'28	
direct	5609 Aug 12 17:25	25°♋10'37	
greatest brilliancy	5609 Aug 22 14:25	26°♋56'45	-4.7m
	5609 Aug 29 13:42	0°♌	
morning max el	5609 Sep 30 10:18	24°♌53'05	45°42'29
	5609 Oct 05 16:27	0°♍	
	5609 Nov 02 23:11	0°♎	
asc. node	5609 Nov 03 19:59	0°♎58'06	
	5609 Nov 29 01:15	0°♏	
	5609 Dec 24 02:10	0°♐	
	5610 Jan 17 13:29	0°♑	
	5610 Feb 10 17:20	0°♒	
desc. node	5610 Feb 23 11:18	15°♒55'34	
	5610 Mar 06 17:05	0°♓	
	5610 Mar 30 15:00	0°♈	
morning set	5610 Apr 02 07:58	3°♈23'48	
	5610 Apr 23 13:03	0°♉	
superior conj	5610 May 12 11:13	23°♉40'01	-1°12'01
minimum elong	5610 May 12 21:40	24°♉12'36	1°11'45
max. Earth dist.	5610 May 16 09:58	28°♉35'37	1.71966 AU
	5610 May 17 13:02	0°♊	
	5610 Jun 10 16:11	0°♋	
asc. node	5610 Jun 16 12:37	7°♋14'47	
evening rise	5610 Jun 20 15:49	12°♋21'31	
	5610 Jul 04 23:03	0°♌	
	5610 Jul 29 09:57	0°♍	
	5610 Aug 23 01:49	0°♎	
	5610 Sep 17 00:43	0°♏	

desc. node	5610 Oct 06 04:01	22°♏40'24	
	5610 Oct 12 10:01	0°♐	
	5610 Nov 07 11:30	0°♑	
	5610 Dec 04 20:25	0°♒	
evening max el	5610 Dec 16 09:04	11°♒47'41	46°43'17
	5611 Jan 05 11:18	0°♓	
greatest brilliancy	5611 Jan 25 14:41	12°♓14'35	-4.9m
asc. node	5611 Jan 27 05:22	12°♓46'55	
retrograde	5611 Feb 04 14:05	14°♓06'51	
evening set	5611 Feb 20 01:07	9°♓25'00	
min. Earth dist.	5611 Feb 24 16:51	6°♓38'49	0.26774 AU
inferior conj	5611 Feb 25 04:00	6°♓21'41	6°43'14
minimum elong	5611 Feb 24 17:03	6°♓38'31	6°40'50
morning rise	5611 Mar 01 09:07	3°♓49'41	
	5611 Mar 09 14:11	30°♑℞♒	
direct	5611 Mar 17 16:26	28°♒39'47	
	5611 Mar 26 01:16	0°♓	
greatest brilliancy	5611 Mar 27 03:56	0°♓21'50	-4.9m
	5611 May 05 18:35	0°♈	
morning max el	5611 May 06 22:02	1°♈08'11	46°45'36
desc. node	5611 May 18 21:04	13°♈28'39	
	5611 Jun 03 00:54	0°♉	
	5611 Jun 29 08:10	0°♊	
	5611 Jul 24 21:36	0°♋	
	5611 Aug 19 01:42	0°♌	
asc. node	5611 Sep 08 22:06	25°♌07'25	
	5611 Sep 12 22:42	0°♍	
	5611 Oct 07 13:09	0°♎	
	5611 Oct 31 21:58	0°♏	
morning set	5611 Nov 02 19:04	2°♏19'25	
	5611 Nov 25 02:38	0°♐	
max. Earth dist.	5611 Dec 07 08:59	15°♐15'58	1.72149 AU
superior conj	5611 Dec 10 07:32	18°♐55'46	0°44'14
minimum elong	5611 Dec 10 16:33	19°♐23'51	0°43'53
	5611 Dec 19 04:37	0°♑	
desc. node	5611 Dec 29 13:41	12°♑57'32	
	5612 Jan 12 04:47	0°♒	
evening rise	5612 Jan 18 20:53	8°♒20'52	
	5612 Feb 05 03:46	0°♓	
	5612 Feb 29 02:44	0°♈	
	5612 Mar 24 04:00	0°♉	
	5612 Apr 17 11:04	0°♊	
asc. node	5612 Apr 20 14:53	3°♊52'03	
	5612 May 12 04:35	0°♋	
	5612 Jun 06 15:49	0°♌	
	5612 Jul 03 12:46	0°♍	
evening max el	5612 Jul 21 17:04	18°♍35'22	45°37'10
	5612 Aug 03 04:49	0°♎	
desc. node	5612 Aug 10 06:25	5°♎42'30	
greatest brilliancy	5612 Aug 29 06:54	16°♎45'48	-4.7m
retrograde	5612 Sep 08 12:42	18°♎39'48	
evening set	5612 Sep 26 11:03	12°♎39'59	
inferior conj	5612 Sep 30 01:36	10°♎26'15	-8°28'52
minimum elong	5612 Sep 29 22:09	10°♎31'39	8°28'41
min. Earth dist.	5612 Sep 30 06:05	10°♎19'13	0.29102 AU
morning rise	5612 Oct 03 09:09	8°♎22'37	
direct	5612 Oct 21 15:03	2°♎07'28	
greatest brilliancy	5612 Nov 01 08:24	4°♎12'04	-4.8m
asc. node	5612 Dec 01 07:47	24°♎53'13	
	5612 Dec 06 18:42	0°♏	
morning max el	5612 Dec 10 05:21	3°♏21'35	46°13'43
	5613 Jan 04 07:09	0°♐	
	5613 Jan 30 05:43	0°♑	
	5613 Feb 24 03:59	0°♒	
	5613 Mar 20 14:52	0°♓	
desc. node	5613 Mar 22 23:15	2°♓54'02	
	5613 Apr 13 20:18	0°♈	
	5613 May 07 23:49	0°♉	
	5613 Jun 01 03:44	0°♊	
morning set	5613 Jun 14 23:51	17°♊08'38	
	5613 Jun 25 09:19	0°♋	
asc. node	5613 Jul 14 00:22	22°♋59'47	
	5613 Jul 19 16:41	0°♌	
superior conj	5613 Jul 22 18:19	3°♌46'56	0°20'50
minimum elong	5613 Jul 22 13:55	3°♌33'22	0°20'36
max. Earth dist.	5613 Jul 23 23:45	5°♌17'35	1.73238 AU
	5613 Aug 13 01:16	0°♍	
evening rise	5613 Aug 28 06:04	18°♍41'47	
	5613 Sep 06 10:51	0°♎	
	5613 Sep 30 21:55	0°♏	
	5613 Oct 25 11:27	0°♐	
desc. node	5613 Nov 02 15:59	9°♐57'49	
	5613 Nov 19 04:20	0°♑	
	5613 Dec 14 01:35	0°♒	
	5614 Jan 08 06:31	0°♓	
	5614 Feb 03 05:41	0°♈	
asc. node	5614 Feb 23 17:09	22°♈14'34	
evening max el	5614 Feb 26 23:50	25°♈36'17	47°06'48
	5614 Mar 03 09:21	0°♉	
greatest brilliancy	5614 Apr 08 14:53	26°♉59'33	-4.9m
retrograde	5614 Apr 18 18:09	28°♉57'02	
evening set	5614 May 06 00:14	23°♉11'02	
inferior conj	5614 May 09 16:30	20°♉55'52	7°41'04
minimum elong	5614 May 10 02:07	20°♉40'54	7°39'28
min. Earth dist.	5614 May 09 13:50	21°♉00'00	0.27606 AU
morning rise	5614 May 14 04:11	18°♉12'28	
direct	5614 May 30 11:38	13°♉01'36	
greatest brilliancy	5614 Jun 09 03:51	14°♉45'38	-4.8m
desc. node	5614 Jun 15 08:46	17°♉26'09	
	5614 Jul 03 13:16	0°♊	
morning max el	5614 Jul 18 19:52	13°♊48'50	46°00'27
	5614 Aug 03 19:44	0°♋	
	5614 Aug 31 06:39	0°♌	
	5614 Sep 26 08:34	0°♍	
asc. node	5614 Oct 06 10:09	11°♍51'09	
	5614 Oct 21 15:18	0°♎	
	5614 Nov 15 08:46	0°♏	
	5614 Dec 09 17:11	0°♐	
	5615 Jan 02 19:53	0°♑	
morning set	5615 Jan 13 05:24	12°♑59'34	
desc. node	5615 Jan 26 01:23	29°♑04'18	
	5615 Jan 26 19:09	0°♒	
	5615 Feb 19 16:19	0°♓	
max. Earth dist.	5615 Feb 22 11:40	3°♓31'48	1.71165 AU
superior conj	5615 Feb 23 01:30	4°♓15'20	-1°01'16
minimum elong	5615 Feb 22 13:31	3°♓37'37	1°00'49
	5615 Mar 15 12:39	0°♈	
evening rise	5615 Apr 04 22:07	25°♈37'29	
	5615 Apr 08 09:53	0°♉	
	5615 May 02 10:13	0°♊	
asc. node	5615 May 19 02:47	20°♊41'50	
	5615 May 26 15:46	0°♋	
	5615 Jun 20 04:30	0°♌	
	5615 Jul 15 03:07	0°♍	
	5615 Aug 09 17:03	0°♎	
	5615 Sep 05 10:25	0°♏	
desc. node	5615 Sep 07 18:13	2°♏30'53	
evening max el	5615 Oct 02 05:17	27°♏33'51	45°47'36
	5615 Oct 04 19:06	0°♐	
greatest brilliancy	5615 Nov 10 17:58	25°♐52'52	-4.8m
retrograde	5615 Nov 20 02:15	27°♐28'05	

evening set	5615 Dec 05 16:58	22°♐46'12	
inferior conj	5615 Dec 10 23:42	19°♐37'30	-4°31'35
minimum elong	5615 Dec 11 08:44	19°♐23'37	4°29'08
min. Earth dist.	5615 Dec 11 20:39	19°♐05'17	0.27582 AU
morning rise	5615 Dec 16 23:52	16°♐03'50	
asc. node	5615 Dec 29 19:30	11°♐43'21	
direct	5616 Jan 01 00:42	11°♐37'20	
greatest brilliancy	5616 Jan 12 02:02	13°♐55'12	-4.9m
	5616 Feb 05 02:33	0°♑	
morning max el	5616 Feb 20 16:03	14°♑46'35	46°54'43
	5616 Mar 06 02:19	0°♒	
	5616 Apr 01 13:14	0°♓	
desc. node	5616 Apr 19 11:14	21°♓09'49	
	5616 Apr 26 20:29	0°♈	
	5616 May 21 16:10	0°♉	
	5616 Jun 15 07:15	0°♊	
	5616 Jul 09 20:52	0°♋	
	5616 Aug 03 09:39	0°♌	
asc. node	5616 Aug 10 12:13	8°♌42'18	
morning set	5616 Aug 23 02:57	24°♌10'14	
	5616 Aug 27 20:56	0°♍	
	5616 Sep 21 06:08	0°♎	
max. Earth dist.	5616 Sep 27 01:23	7°♎09'10	1.73276 AU
superior conj	5616 Sep 28 15:28	9°♎06'37	1°23'57
minimum elong	5616 Sep 28 12:03	8°♎56'05	1°23'55
	5616 Oct 15 13:29	0°♏	
evening rise	5616 Nov 04 07:27	24°♏24'46	
	5616 Nov 08 19:52	0°♐	
desc. node	5616 Nov 30 03:48	26°♐23'04	
	5616 Dec 03 01:57	0°♑	
	5616 Dec 27 07:57	0°♒	
	5617 Jan 20 14:25	0°♓	
	5617 Feb 13 23:33	0°♈	
	5617 Mar 10 16:32	0°♉	
asc. node	5617 Mar 23 05:00	14°♉54'30	
	5617 Apr 05 03:34	0°♊	
	5617 May 02 08:03	0°♋	
evening max el	5617 May 09 20:53	7°♋41'12	46°23'48
	5617 Jun 04 15:11	0°♌	
greatest brilliancy	5617 Jun 17 12:52	7°♌07'14	-4.8m
retrograde	5617 Jun 28 15:29	9°♌22'20	
desc. node	5617 Jul 12 20:31	5°♌23'34	
evening set	5617 Jul 13 14:42	4°♌59'01	
inferior conj	5617 Jul 19 23:48	1°♌08'46	-1°43'05
minimum elong	5617 Jul 19 20:01	1°♌14'41	1°41'59
min. Earth dist.	5617 Jul 19 12:31	1°♌26'26	0.28550 AU
	5617 Jul 21 19:54	30℞♋	
morning rise	5617 Jul 26 01:59	27°♋29'40	
direct	5617 Aug 10 09:09	23°♋00'51	
greatest brilliancy	5617 Aug 20 05:27	24°♋46'10	-4.7m
	5617 Aug 31 00:51	0°♌	
morning max el	5617 Sep 28 01:00	22°♌40'43	45°42'02
	5617 Oct 05 12:20	0°♍	
asc. node	5617 Nov 02 22:01	0°♎22'37	
	5617 Nov 02 13:57	0°♎	
	5617 Nov 28 14:08	0°♏	
	5617 Dec 23 14:10	0°♐	
	5618 Jan 17 01:01	0°♑	
	5618 Feb 10 04:34	0°♒	
desc. node	5618 Feb 22 13:21	15°♒27'07	
	5618 Mar 06 04:08	0°♓	
	5618 Mar 30 01:56	0°♈	
morning set	5618 Mar 30 18:21	0°♈51'31	
	5618 Apr 22 23:54	0°♉	
superior conj	5618 May 09 23:55	21°♉16'09	-1°14'05
minimum elong	5618 May 10 10:01	21°♉47'41	1°13'50
max. Earth dist.	5618 May 13 23:00	26°♉12'55	1.71911 AU
	5618 May 16 23:48	0°♊	
	5618 Jun 10 02:54	0°♋	
asc. node	5618 Jun 15 14:33	6°♋47'35	
evening rise	5618 Jun 18 06:52	10°♋06'32	
	5618 Jul 04 09:47	0°♌	
	5618 Jul 28 20:49	0°♍	
	5618 Aug 22 13:02	0°♎	
	5618 Sep 16 12:35	0°♏	
desc. node	5618 Oct 05 06:06	22°♏09'29	
	5618 Oct 11 23:00	0°♐	
	5618 Nov 07 02:33	0°♑	
	5618 Dec 04 16:09	0°♒	
evening max el	5618 Dec 13 21:42	9°♒22'40	46°41'18
	5619 Jan 06 03:46	0°♓	
greatest brilliancy	5619 Jan 23 04:14	9°♓48'01	-4.9m
asc. node	5619 Jan 26 07:23	10°♓45'55	
retrograde	5619 Feb 02 01:58	11°♓39'07	
evening set	5619 Feb 17 09:55	7°♓02'38	
inferior conj	5619 Feb 22 16:27	3°♓54'39	6°26'15
minimum elong	5619 Feb 22 05:29	4°♓11'28	6°23'43
min. Earth dist.	5619 Feb 22 06:23	4°♓10'06	0.26759 AU
morning rise	5619 Feb 27 01:06	1°♓17'29	
	5619 Mar 01 09:34	30℞♒	
direct	5619 Mar 15 04:15	26°♒12'32	
greatest brilliancy	5619 Mar 24 18:09	27°♒56'24	-4.9m
	5619 Mar 29 15:35	0°♓	
morning max el	5619 May 04 10:13	28°♓41'28	46°46'58
	5619 May 05 17:32	0°♈	
desc. node	5619 May 17 23:03	12°♈43'23	
	5619 Jun 02 17:07	0°♉	
	5619 Jun 28 21:49	0°♊	
	5619 Jul 24 09:53	0°♋	
	5619 Aug 18 13:09	0°♌	
asc. node	5619 Sep 08 00:14	24°♌40'26	
	5619 Sep 12 09:39	0°♍	
	5619 Oct 06 23:50	0°♎	
morning set	5619 Oct 31 11:54	0°♏10'24	
	5619 Oct 31 08:32	0°♏	
	5619 Nov 24 13:13	0°♐	
max. Earth dist.	5619 Dec 05 01:13	13°♐03'58	1.72201 AU
superior conj	5619 Dec 07 22:09	16°♐38'39	0°47'15
minimum elong	5619 Dec 08 07:30	17°♐07'46	0°46'52
	5619 Dec 18 15:17	0°♑	
desc. node	5619 Dec 28 15:38	12°♑30'05	
	5620 Jan 11 15:35	0°♒	
evening rise	5620 Jan 16 09:14	5°♒55'24	
	5620 Feb 04 14:44	0°♓	
	5620 Feb 28 13:52	0°♈	
	5620 Mar 23 15:22	0°♉	
	5620 Apr 16 22:48	0°♊	
asc. node	5620 Apr 19 16:53	3°♊22'07	
	5620 May 11 17:00	0°♋	
	5620 Jun 06 05:38	0°♌	
	5620 Jul 03 05:50	0°♍	
evening max el	5620 Jul 19 08:16	16°♍23'36	45°38'08
	5620 Aug 03 10:37	0°♎	
desc. node	5620 Aug 09 08:33	4°♎37'35	
greatest brilliancy	5620 Aug 26 21:11	14°♎35'43	-4.7m
retrograde	5620 Sep 06 05:12	16°♎31'54	
evening set	5620 Sep 24 01:02	10°♎34'46	
inferior conj	5620 Sep 27 17:57	8°♎17'40	-8°24'57
minimum elong	5620 Sep 27 13:48	8°♎24'10	8°24'41
min. Earth dist.	5620 Sep 27 21:13	8°♎12'32	0.29119 AU
morning rise	5620 Oct 01 02:28	6°♎12'47	

	5620 Oct 18 05:59	30°℞♍	
direct	5620 Oct 19 07:21	29°♍58'41	
	5620 Oct 20 08:51	0°♎	
greatest brilliancy	5620 Oct 30 00:14	2°♎03'00	-4.8m
asc. node	5620 Nov 30 09:40	23°♎59'48	
	5620 Dec 06 17:01	0°♏	
morning max el	5620 Dec 07 21:21	1°♏09'38	46°12'07
	5621 Jan 03 22:47	0°♐	
	5621 Jan 29 19:07	0°♑	
	5621 Feb 23 16:21	0°♒	
	5621 Mar 20 02:39	0°♓	
desc. node	5621 Mar 22 01:19	2°♓24'11	
	5621 Apr 13 07:41	0°♈	
	5621 May 07 10:52	0°♉	
	5621 May 31 14:32	0°♊	
morning set	5621 Jun 12 14:58	14°♊53'42	
	5621 Jun 24 19:57	0°♋	
asc. node	5621 Jul 13 02:22	22°♋33'21	
	5621 Jul 19 03:13	0°♌	
superior conj	5621 Jul 20 11:01	1°♌38'03	0°17'35
minimum elong	5621 Jul 20 07:15	1°♌26'26	0°17'23
max. Earth dist.	5621 Jul 21 19:04	3°♌16'50	1.73212 AU
	5621 Aug 12 11:48	0°♍	
evening rise	5621 Aug 26 00:22	16°♍38'08	
	5621 Sep 05 21:27	0°♎	
	5621 Sep 30 08:42	0°♏	
	5621 Oct 24 22:35	0°♐	
desc. node	5621 Nov 01 17:58	9°♐29'30	
	5621 Nov 18 16:02	0°♑	
	5621 Dec 13 14:09	0°♒	
	5622 Jan 07 20:30	0°♓	
	5622 Feb 02 22:25	0°♈	
asc. node	5622 Feb 22 19:13	21°♈25'01	
evening max el	5622 Feb 24 14:37	23°♈15'46	47°07'09
	5622 Mar 03 09:58	0°♉	
greatest brilliancy	5622 Apr 06 04:56	24°♉37'28	-4.9m
retrograde	5622 Apr 16 08:59	26°♉35'24	
evening set	5622 May 03 17:20	20°♉44'40	
inferior conj	5622 May 07 06:16	18°♉34'29	7°52'57
minimum elong	5622 May 07 15:31	18°♉20'09	7°51'31
min. Earth dist.	5622 May 07 03:00	18°♉39'34	0.27578 AU
morning rise	5622 May 11 13:54	15°♉57'18	
direct	5622 May 28 01:26	10°♉40'46	
greatest brilliancy	5622 Jun 06 16:09	12°♉24'05	-4.8m
desc. node	5622 Jun 14 10:40	15°♉54'29	
	5622 Jul 03 20:40	0°♊	
morning max el	5622 Jul 16 11:20	11°♊35'08	46°01'52
	5622 Aug 03 13:31	0°♋	
	5622 Aug 30 20:43	0°♌	
	5622 Sep 25 20:59	0°♍	
asc. node	5622 Oct 05 12:04	11°♍21'19	
	5622 Oct 21 02:50	0°♎	
	5622 Nov 14 19:49	0°♏	
	5622 Dec 09 04:00	0°♐	
	5623 Jan 02 06:37	0°♑	
morning set	5623 Jan 10 18:18	10°♑36'19	
desc. node	5623 Jan 25 03:30	28°♑37'17	
	5623 Jan 26 05:53	0°♒	
	5623 Feb 19 03:04	0°♓	
max. Earth dist.	5623 Feb 19 20:32	0°♓54'56	1.71178 AU
superior conj	5623 Feb 20 12:12	1°♓44'09	-0°58'22
minimum elong	5623 Feb 20 00:20	1°♓06'50	0°57'55
	5623 Mar 14 23:26	0°♈	
evening rise	5623 Apr 02 08:42	23°♈06'06	
	5623 Apr 07 20:44	0°♉	
	5623 May 01 21:11	0°♊	
asc. node	5623 May 18 04:41	20°♊13'30	
	5623 May 26 02:54	0°♋	
	5623 Jun 19 15:58	0°♌	
	5623 Jul 14 15:13	0°♍	
	5623 Aug 09 06:24	0°♎	
	5623 Sep 05 02:33	0°♏	
desc. node	5623 Sep 06 20:16	1°♏52'11	
evening max el	5623 Sep 29 20:22	25°♏20'45	45°46'16
	5623 Oct 04 19:42	0°♐	
greatest brilliancy	5623 Nov 08 07:58	23°♐35'56	-4.8m
retrograde	5623 Nov 17 15:36	25°♐10'21	
evening set	5623 Dec 03 09:49	20°♐24'37	
inferior conj	5623 Dec 08 13:52	17°♐19'17	-4°50'19
minimum elong	5623 Dec 08 23:16	17°♐04'46	4°47'50
min. Earth dist.	5623 Dec 09 11:17	16°♐46'15	0.27642 AU
morning rise	5623 Dec 14 12:06	13°♐47'43	
asc. node	5623 Dec 28 21:30	9°♐19'03	
direct	5623 Dec 29 15:40	9°♐18'21	
greatest brilliancy	5624 Jan 09 17:01	11°♐35'53	-4.9m
	5624 Feb 05 08:23	0°♑	
morning max el	5624 Feb 18 06:03	12°♑24'46	46°53'48
	5624 Mar 05 20:09	0°♒	
	5624 Apr 01 03:42	0°♓	
desc. node	5624 Apr 18 13:12	20°♓35'57	
	5624 Apr 26 09:26	0°♈	
	5624 May 21 04:15	0°♉	
	5624 Jun 14 18:46	0°♊	
	5624 Jul 09 07:59	0°♋	
	5624 Aug 02 20:28	0°♌	
asc. node	5624 Aug 09 14:20	8°♌15'50	
morning set	5624 Aug 20 20:18	22°♌03'32	
	5624 Aug 27 07:33	0°♍	
	5624 Sep 20 16:41	0°♎	
max. Earth dist.	5624 Sep 24 19:22	5°♎04'06	1.73295 AU
superior conj	5624 Sep 26 09:20	7°♎01'07	1°23'17
minimum elong	5624 Sep 26 05:17	6°♎48'38	1°23'15
	5624 Oct 15 00:06	0°♏	
evening rise	5624 Nov 01 23:44	22°♏13'32	
	5624 Nov 08 06:38	0°♐	
desc. node	5624 Nov 29 05:46	25°♐55'16	
	5624 Dec 02 12:56	0°♑	
	5624 Dec 26 19:14	0°♒	
	5625 Jan 20 02:04	0°♓	
	5625 Feb 13 11:45	0°♈	
	5625 Mar 10 05:40	0°♉	
asc. node	5625 Mar 22 06:58	14°♉19'31	
	5625 Apr 04 18:33	0°♊	
	5625 May 02 03:43	0°♋	
evening max el	5625 May 07 11:44	5°♋24'31	46°25'32
	5625 Jun 05 15:39	0°♌	
greatest brilliancy	5625 Jun 15 06:09	4°♌56'14	-4.8m
retrograde	5625 Jun 26 06:57	7°♌10'00	
evening set	5625 Jul 11 06:31	2°♌47'09	
desc. node	5625 Jul 11 22:40	2°♌24'40	
	5625 Jul 15 23:21	30°℞♋	
min. Earth dist.	5625 Jul 17 05:00	29°♋13'38	0.28512 AU
inferior conj	5625 Jul 17 15:34	28°♋57'05	-1°22'43
minimum elong	5625 Jul 17 12:30	29°♋01'52	1°21'49
morning rise	5625 Jul 23 19:04	25°♋15'50	
direct	5625 Aug 08 00:11	20°♋49'43	
greatest brilliancy	5625 Aug 17 20:59	22°♋35'01	-4.7m
	5625 Sep 01 02:10	0°♌	
morning max el	5625 Sep 25 15:13	20°♌26'36	45°41'50
	5625 Oct 05 07:47	0°♍	
asc. node	5625 Nov 01 23:59	29°♍46'59	

	5625 Nov 02 04:36	0°♎		
	5625 Nov 28 02:58	0°♏		
	5625 Dec 23 02:09	0°♐		
	5626 Jan 16 12:33	0°♑		
	5626 Feb 09 15:49	0°♒		
desc. node	5626 Feb 21 15:24	14°♒58'38		
	5626 Mar 05 15:12	0°♓		
morning set	5626 Mar 28 05:01	28°♓20'00		
	5626 Mar 29 12:53	0°♈		
	5626 Apr 22 10:45	0°♉		
superior conj	5626 May 07 12:48	18°♉52'46	-1°15'59	
minimum elong	5626 May 07 22:29	19°♉23'01	1°15'47	
max. Earth dist.	5626 May 11 10:28	23°♉45'14	1.71861 AU	
	5626 May 16 10:36	0°♊		
	5626 Jun 09 13:42	0°♋		
asc. node	5626 Jun 14 16:35	6°♋20'25		
evening rise	5626 Jun 15 21:49	7°♋50'51		
	5626 Jul 03 20:39	0°♌		
	5626 Jul 28 07:54	0°♍		
	5626 Aug 22 00:30	0°♎		
	5626 Sep 16 00:42	0°♏		
desc. node	5626 Oct 04 08:02	21°♏37'23		
	5626 Oct 11 12:17	0°♐		
	5626 Nov 06 18:00	0°♑		
	5626 Dec 04 12:41	0°♒		
evening max el	5626 Dec 11 10:16	6°♒57'19	46°39'27	
	5627 Jan 07 02:05	0°♓		
greatest brilliancy	5627 Jan 20 17:22	7°♓20'47	-4.9m	
asc. node	5627 Jan 25 09:31	8°♓39'45		
retrograde	5627 Jan 30 14:15	9°♓11'34		
evening set	5627 Feb 14 18:59	4°♓39'41		
inferior conj	5627 Feb 20 04:58	1°♓27'25	6°08'26	
minimum elong	5627 Feb 19 18:05	1°♓44'06	6°05'50	
min. Earth dist.	5627 Feb 19 19:48	1°♓41'28	0.26745 AU	
	5627 Feb 22 14:23	30°♒		
morning rise	5627 Feb 24 17:09	28°♒45'24		
direct	5627 Mar 12 16:20	23°♒44'59		
greatest brilliancy	5627 Mar 22 08:20	25°♒30'46	-4.9m	
	5627 Mar 31 15:47	0°♓		
morning max el	5627 May 01 23:28	26°♓17'06	46°48'24	
	5627 May 05 15:39	0°♈		
desc. node	5627 May 17 01:02	11°♈58'29		
	5627 Jun 02 09:09	0°♉		
	5627 Jun 28 11:27	0°♊		
	5627 Jul 23 22:16	0°♋		
	5627 Aug 18 00:49	0°♌		
asc. node	5627 Sep 07 02:09	24°♌11'59		
	5627 Sep 11 20:53	0°♍		
	5627 Oct 06 10:50	0°♎		
morning set	5627 Oct 29 04:35	28°♎00'01		
	5627 Oct 30 19:25	0°♏		
	5627 Nov 24 00:05	0°♐		
max. Earth dist.	5627 Dec 02 18:26	10°♐54'14	1.72246 AU	
superior conj	5627 Dec 05 12:41	14°♐20'29	0°50'10	
minimum elong	5627 Dec 05 22:18	14°♐50'24	0°49'48	
	5627 Dec 18 02:12	0°♑		
desc. node	5627 Dec 27 17:43	12°♑02'16		
	5628 Jan 11 02:38	0°♒		
evening rise	5628 Jan 13 21:40	3°♒29'33		
	5628 Feb 04 01:57	0°♓		
	5628 Feb 28 01:17	0°♈		
	5628 Mar 23 03:01	0°♉		
	5628 Apr 16 10:49	0°♊		
asc. node	5628 Apr 18 18:49	2°♊51'08		
	5628 May 11 05:45	0°♋		
	5628 Jun 05 19:50	0°♌		
	5628 Jul 02 23:36	0°♍		
evening max el	5628 Jul 17 00:12	14°♍12'41	45°38'58	
	5628 Aug 03 19:21	0°♎		
desc. node	5628 Aug 08 10:33	3°♎29'31		
greatest brilliancy	5628 Aug 24 10:55	12°♎23'48	-4.7m	
retrograde	5628 Sep 03 21:45	14°♎22'17		
evening set	5628 Sep 21 14:38	8°♎28'18		
inferior conj	5628 Sep 25 10:07	6°♎07'21	-8°20'12	
minimum elong	5628 Sep 25 05:18	6°♎14'55	8°19'52	
min. Earth dist.	5628 Sep 25 11:55	6°♎04'32	0.29136 AU	
morning rise	5628 Sep 28 19:53	4°♎00'45		
	5628 Oct 06 12:16	30°℞♍		
direct	5628 Oct 16 23:59	27°♍48'18		
greatest brilliancy	5628 Oct 27 15:28	29°♍51'42	-4.8m	
	5628 Oct 28 00:21	0°♎		
asc. node	5628 Nov 29 11:44	23°♎06'20		
morning max el	5628 Dec 05 13:44	28°♎57'25	46°10'33	
	5628 Dec 06 15:01	0°♏		
	5629 Jan 03 14:36	0°♐		
	5629 Jan 29 08:47	0°♑		
	5629 Feb 23 04:59	0°♒		
	5629 Mar 19 14:41	0°♓		
desc. node	5629 Mar 21 03:13	1°♓52'56		
	5629 Apr 12 19:20	0°♈		
	5629 May 06 22:13	0°♉		
	5629 May 31 01:39	0°♊		
morning set	5629 Jun 10 06:14	12°♊38'08		
	5629 Jun 24 06:53	0°♋		
asc. node	5629 Jul 12 04:28	22°♋06'19		
superior conj	5629 Jul 18 03:49	29°♋28'25	0°14'19	
minimum elong	5629 Jul 18 00:43	29°♋18'52	0°14'09	
behind sun begin	5629 Jul 17 13:57	28°♋45'39		
behind sun end	5629 Jul 18 11:29	29°♋52'05		
	5629 Jul 18 14:03	0°♌		
max. Earth dist.	5629 Jul 19 16:32	1°♌21'38	1.73185 AU	
	5629 Aug 11 22:38	0°♍		
evening rise	5629 Aug 23 18:47	14°♍33'49		
	5629 Sep 05 08:24	0°♎		
	5629 Sep 29 19:54	0°♏		
	5629 Oct 24 10:12	0°♐		
desc. node	5629 Oct 31 19:56	8°♐59'44		
	5629 Nov 18 04:15	0°♑		
	5629 Dec 13 03:16	0°♒		
	5630 Jan 07 11:04	0°♓		
	5630 Feb 02 15:53	0°♈		
asc. node	5630 Feb 21 21:10	20°♈33'14		
evening max el	5630 Feb 22 05:53	20°♈55'22	47°07'32	
	5630 Mar 03 12:20	0°♉		
greatest brilliancy	5630 Apr 03 19:05	22°♉14'34	-4.9m	
retrograde	5630 Apr 13 23:39	24°♉12'31		
evening set	5630 May 01 10:23	18°♉17'27		
inferior conj	5630 May 04 20:04	16°♉12'01	8°04'02	
minimum elong	5630 May 05 04:51	15°♉58'24	8°02'47	
min. Earth dist.	5630 May 04 16:06	16°♉18'11	0.27548 AU	
morning rise	5630 May 08 23:32	13°♉40'58		
direct	5630 May 25 15:27	8°♉19'00		
greatest brilliancy	5630 Jun 04 04:18	10°♉01'05	-4.8m	
desc. node	5630 Jun 13 12:49	14°♉25'16		
	5630 Jul 04 02:19	0°♊		
morning max el	5630 Jul 14 02:17	9°♊19'01	46°03'17	
	5630 Aug 03 07:17	0°♋		
	5630 Aug 30 10:59	0°♌		
	5630 Sep 25 09:39	0°♍		
asc. node	5630 Oct 04 14:04	10°♍50'47		
	5630 Oct 20 14:41	0°♎		

	5630 Nov 14 07:15	0°♏	
	5630 Dec 08 15:15	0°♐	
	5631 Jan 01 17:48	0°♑	
morning set	5631 Jan 08 06:56	8°♑10'53	
desc. node	5631 Jan 24 05:33	28°♑08'42	
	5631 Jan 25 17:02	0°♒	
max. Earth dist.	5631 Feb 17 02:11	28°♒06'43	1.71187 AU
superior conj	5631 Feb 17 22:38	29°♒11'00	-0°55'20
minimum elong	5631 Feb 17 11:00	28°♒34'25	0°54'52
	5631 Feb 18 14:13	0°♓	
	5631 Mar 14 10:35	0°♈	
evening rise	5631 Mar 30 19:04	20°♈32'53	
	5631 Apr 07 07:56	0°♉	
	5631 May 01 08:29	0°♊	
asc. node	5631 May 17 06:46	19°♊44'45	
	5631 May 25 14:24	0°♋	
	5631 Jun 19 03:48	0°♌	
	5631 Jul 14 03:43	0°♍	
	5631 Aug 08 20:12	0°♎	
	5631 Sep 04 19:19	0°♏	
desc. node	5631 Sep 05 22:14	1°♏11'57	
evening max el	5631 Sep 27 10:26	23°♏04'18	45°44'52
	5631 Oct 04 22:03	0°♐	
greatest brilliancy	5631 Nov 05 22:06	21°♐18'13	-4.8m
retrograde	5631 Nov 15 04:27	22°♐51'42	
evening set	5631 Dec 01 02:39	18°♐01'45	
inferior conj	5631 Dec 06 04:01	15°♐00'01	-5°08'20
minimum elong	5631 Dec 06 13:43	14°♐45'00	5°05'51
min. Earth dist.	5631 Dec 07 02:07	14°♐25'50	0.27709 AU
morning rise	5631 Dec 12 00:07	11°♐30'49	
direct	5631 Dec 27 06:13	6°♐58'04	
asc. node	5631 Dec 27 23:37	6°♐58'41	
greatest brilliancy	5632 Jan 07 08:37	9°♐16'01	-4.9m
	5632 Feb 05 12:55	0°♑	
morning max el	5632 Feb 15 19:18	9°♑59'33	46°52'53
	5632 Mar 05 14:05	0°♒	
	5632 Mar 31 18:26	0°♓	
desc. node	5632 Apr 17 15:15	20°♓01'20	
	5632 Apr 25 22:38	0°♈	
	5632 May 20 16:34	0°♉	
	5632 Jun 14 06:31	0°♊	
	5632 Jul 08 19:20	0°♋	
	5632 Aug 02 07:31	0°♌	
asc. node	5632 Aug 08 16:15	7°♌47'56	
morning set	5632 Aug 18 13:46	19°♌56'21	
	5632 Aug 26 18:26	0°♍	
	5632 Sep 20 03:29	0°♎	
max. Earth dist.	5632 Sep 22 13:01	2°♎57'17	1.73313 AU
superior conj	5632 Sep 24 03:29	4°♎55'48	1°22'30
minimum elong	5632 Sep 23 22:50	4°♎41'29	1°22'27
	5632 Oct 14 10:57	0°♏	
evening rise	5632 Oct 30 16:21	20°♏02'46	
	5632 Nov 07 17:38	0°♐	
desc. node	5632 Nov 28 07:55	25°♐27'17	
	5632 Dec 02 00:11	0°♑	
	5632 Dec 26 06:48	0°♒	
	5633 Jan 19 14:04	0°♓	
	5633 Feb 13 00:22	0°♈	
	5633 Mar 09 19:17	0°♉	
asc. node	5633 Mar 21 08:55	13°♉43'14	
	5633 Apr 04 10:05	0°♊	
	5633 May 02 00:20	0°♋	
evening max el	5633 May 05 01:42	3°♋04'50	46°27'34
	5633 Jun 07 02:38	0°♌	
greatest brilliancy	5633 Jun 12 23:12	2°♌44'19	-4.8m
retrograde	5633 Jun 23 22:31	4°♌57'23	
evening set	5633 Jul 08 22:31	0°♌34'22	
	5633 Jul 09 23:05	30°℞♋	
desc. node	5633 Jul 11 00:41	29°♋22'50	
inferior conj	5633 Jul 15 07:22	26°♋44'56	-1°02'17
minimum elong	5633 Jul 15 05:04	26°♋48'34	1°01'36
min. Earth dist.	5633 Jul 14 21:35	27°♋00'17	0.28475 AU
morning rise	5633 Jul 21 12:04	23°♋01'54	
direct	5633 Aug 05 15:00	18°♋37'56	
greatest brilliancy	5633 Aug 15 13:01	20°♋23'58	-4.7m
	5633 Sep 01 20:57	0°♌	
morning max el	5633 Sep 23 05:55	18°♌13'14	45°41'49
	5633 Oct 05 02:50	0°♍	
asc. node	5633 Nov 01 02:01	29°♍11'27	
	5633 Nov 01 19:12	0°♎	
	5633 Nov 27 15:49	0°♏	
	5633 Dec 22 14:11	0°♐	
	5634 Jan 16 00:08	0°♑	
	5634 Feb 09 03:10	0°♒	
desc. node	5634 Feb 20 17:20	14°♒29'16	
	5634 Mar 05 02:26	0°♓	
morning set	5634 Mar 25 15:09	25°♓46'06	
	5634 Mar 29 00:01	0°♈	
	5634 Apr 21 21:48	0°♉	
superior conj	5634 May 05 01:08	16°♉27'02	-1°17'47
minimum elong	5634 May 05 10:21	16°♉55'48	1°17'36
max. Earth dist.	5634 May 08 18:59	21°♉07'42	1.71809 AU
	5634 May 15 21:34	0°♊	
	5634 Jun 09 00:37	0°♋	
evening rise	5634 Jun 13 12:22	5°♋33'33	
asc. node	5634 Jun 13 18:38	5°♋52'59	
	5634 Jul 03 07:38	0°♌	
	5634 Jul 27 19:04	0°♍	
	5634 Aug 21 12:03	0°♎	
	5634 Sep 15 12:55	0°♏	
desc. node	5634 Oct 03 10:04	21°♏05'23	
	5634 Oct 11 01:40	0°♐	
	5634 Nov 06 09:38	0°♑	
	5634 Dec 04 09:49	0°♒	
evening max el	5634 Dec 08 23:29	4°♒34'10	46°37'40
	5635 Jan 08 08:31	0°♓	
greatest brilliancy	5635 Jan 18 05:50	4°♓53'23	-4.9m
asc. node	5635 Jan 24 11:22	6°♓28'38	
retrograde	5635 Jan 28 03:07	6°♓44'35	
evening set	5635 Feb 12 04:20	2°♓16'46	
	5635 Feb 16 02:26	30°℞♒	
inferior conj	5635 Feb 17 17:32	29°♒00'28	5°49'58
minimum elong	5635 Feb 17 06:47	29°♒16'52	5°47'17
min. Earth dist.	5635 Feb 17 08:56	29°♒13'35	0.26739 AU
morning rise	5635 Feb 22 09:13	26°♒13'49	
direct	5635 Mar 10 05:04	21°♒17'43	
greatest brilliancy	5635 Mar 19 22:10	23°♒04'57	-4.9m
	5635 Apr 02 00:09	0°♓	
morning max el	5635 Apr 29 13:37	23°♓54'51	46°49'34
	5635 May 05 13:01	0°♈	
desc. node	5635 May 16 03:07	11°♈14'13	
	5635 Jun 02 01:00	0°♉	
	5635 Jun 28 01:00	0°♊	
	5635 Jul 23 10:35	0°♋	
	5635 Aug 17 12:23	0°♌	
asc. node	5635 Sep 06 04:08	23°♌44'06	
	5635 Sep 11 08:00	0°♍	
	5635 Oct 05 21:41	0°♎	
morning set	5635 Oct 26 21:29	25°♎50'43	
	5635 Oct 30 06:10	0°♏	
	5635 Nov 23 10:49	0°♐	

max. Earth dist.	5635 Nov 30	11:14	8°♐43'38	1.72288 AU
superior conj	5635 Dec 03	03:37	12°♐04'02	0°52'59
minimum elong	5635 Dec 03	13:25	12°♐34'31	0°52'37
	5635 Dec 17	13:00	0°♑	
desc. node	5635 Dec 26	19:44	11°♑34'46	
	5636 Jan 10	13:32	0°♒	
evening rise	5636 Jan 11	10:31	1°♒05'35	
	5636 Feb 03	12:59	0°♓	
	5636 Feb 27	12:30	0°♈	
	5636 Mar 22	14:30	0°♉	
	5636 Apr 15	22:44	0°♊	
asc. node	5636 Apr 17	20:54	2°♊20'58	
	5636 May 10	18:27	0°♋	
	5636 Jun 05	10:06	0°♌	
	5636 Jul 02	17:40	0°♍	
evening max el	5636 Jul 14	16:41	12°♍03'28	45°39'58
	5636 Aug 04	06:57	0°♎	
desc. node	5636 Aug 07	12:28	2°♎19'54	
greatest brilliancy	5636 Aug 22	01:11	10°♎13'10	-4.7m
retrograde	5636 Sep 01	14:19	12°♎13'20	
evening set	5636 Sep 19	04:13	6°♎23'03	
inferior conj	5636 Sep 23	02:21	3°♎57'56	-8°14'55
minimum elong	5636 Sep 22	20:52	4°♎06'31	8°14'28
min. Earth dist.	5636 Sep 23	02:34	3°♎57'36	0.29146 AU
morning rise	5636 Sep 26	13:31	1°♎49'15	
	5636 Sep 29	17:20	30°℞♍	
direct	5636 Oct 14	16:54	25°♍39'05	
greatest brilliancy	5636 Oct 25	06:10	27°♍40'45	-4.8m
	5636 Oct 30	12:50	0°♎	
asc. node	5636 Nov 28	13:48	22°♎14'45	
morning max el	5636 Dec 03	05:50	26°♎45'33	46°08'56
	5636 Dec 06	11:53	0°♏	
	5637 Jan 03	05:52	0°♐	
	5637 Jan 28	22:01	0°♑	
	5637 Feb 22	17:14	0°♒	
	5637 Mar 19	02:22	0°♓	
desc. node	5637 Mar 20	05:18	1°♓23'20	
	5637 Apr 12	06:37	0°♈	
	5637 May 06	09:13	0°♉	
	5637 May 30	12:27	0°♊	
morning set	5637 Jun 07	21:24	10°♊23'03	
	5637 Jun 23	17:34	0°♋	
asc. node	5637 Jul 11	06:23	21°♋39'33	
superior conj	5637 Jul 15	20:19	27°♋18'37	0°11'01
minimum elong	5637 Jul 15	17:55	27°♋11'13	0°10'52
behind sun begin	5637 Jul 15	00:41	26°♋18'03	
behind sun end	5637 Jul 16	11:09	28°♋04'23	
max. Earth dist.	5637 Jul 17	14:08	29°♋27'36	1.73155 AU
	5637 Jul 18	00:39	0°♌	
	5637 Aug 11	09:13	0°♍	
evening rise	5637 Aug 21	12:54	12°♍29'24	
	5637 Sep 04	19:03	0°♎	
	5637 Sep 29	06:46	0°♏	
	5637 Oct 23	21:29	0°♐	
desc. node	5637 Oct 30	22:02	8°♐31'26	
	5637 Nov 17	16:10	0°♑	
	5637 Dec 12	16:07	0°♒	
	5638 Jan 07	01:25	0°♓	
	5638 Feb 02	09:18	0°♈	
evening max el	5638 Feb 19	20:56	18°♈35'33	47°07'48
asc. node	5638 Feb 20	23:12	19°♈41'58	
	5638 Mar 03	15:39	0°♉	
greatest brilliancy	5638 Apr 01	09:45	19°♉53'50	-4.9m
retrograde	5638 Apr 11	13:58	21°♉51'09	
evening set	5638 Apr 29	03:27	15°♉52'12	
inferior conj	5638 May 02	10:00	13°♉51'18	8°14'17
minimum elong	5638 May 02	18:13	13°♉38'32	8°13'12
min. Earth dist.	5638 May 02	05:28	13°♉58'21	0.27518 AU
morning rise	5638 May 06	09:13	11°♉26'18	
direct	5638 May 23	05:25	5°♉59'04	
greatest brilliancy	5638 Jun 01	16:48	7°♉39'57	-4.8m
desc. node	5638 Jun 12	14:48	13°♉00'20	
	5638 Jul 04	05:30	0°♊	
morning max el	5638 Jul 11	16:22	7°♊01'56	46°04'35
	5638 Aug 03	00:12	0°♋	
	5638 Aug 30	00:43	0°♌	
	5638 Sep 24	21:54	0°♍	
asc. node	5638 Oct 03	16:09	10°♍21'38	
	5638 Oct 20	02:08	0°♎	
	5638 Nov 13	18:16	0°♏	
	5638 Dec 08	02:03	0°♐	
	5639 Jan 01	04:33	0°♑	
morning set	5639 Jan 05	19:42	5°♑47'12	
desc. node	5639 Jan 23	07:26	27°♑40'56	
	5639 Jan 25	03:47	0°♒	
max. Earth dist.	5639 Feb 14	04:58	25°♒10'52	1.71201 AU
superior conj	5639 Feb 15	09:16	26°♒39'49	-0°52'12
minimum elong	5639 Feb 14	21:57	26°♒04'15	0°51'44
	5639 Feb 18	00:58	0°♓	
	5639 Mar 13	21:21	0°♈	
evening rise	5639 Mar 28	05:35	18°♈01'24	
	5639 Apr 06	18:44	0°♉	
	5639 Apr 30	19:21	0°♊	
asc. node	5639 May 16	08:48	19°♊17'11	
	5639 May 25	01:27	0°♋	
	5639 Jun 18	15:12	0°♌	
	5639 Jul 13	15:49	0°♍	
	5639 Aug 08	09:43	0°♎	
	5639 Sep 04	12:00	0°♏	
desc. node	5639 Sep 05	00:17	0°♏32'37	
evening max el	5639 Sep 24	23:51	20°♏47'33	45°43'36
	5639 Oct 05	01:27	0°♐	
greatest brilliancy	5639 Nov 03	12:28	19°♐02'20	-4.8m
retrograde	5639 Nov 12	17:41	20°♐35'14	
evening set	5639 Nov 28	19:42	15°♐40'41	
inferior conj	5639 Dec 03	18:23	12°♐42'47	-5°25'36
minimum elong	5639 Dec 04	04:19	12°♐27'25	5°23'10
min. Earth dist.	5639 Dec 04	17:11	12°♐07'31	0.27776 AU
morning rise	5639 Dec 09	12:13	9°♐16'23	
direct	5639 Dec 24	20:36	4°♐39'41	
asc. node	5639 Dec 27	01:30	4°♐45'27	
greatest brilliancy	5640 Jan 05	00:44	6°♐58'44	-4.9m
	5640 Feb 05	15:08	0°♑	
morning max el	5640 Feb 13	08:49	7°♑36'28	46°51'53
	5640 Mar 05	07:07	0°♒	
	5640 Mar 31	08:33	0°♓	
desc. node	5640 Apr 16	17:16	19°♓28'05	
	5640 Apr 25	11:20	0°♈	
	5640 May 20	04:26	0°♉	
	5640 Jun 13	17:50	0°♊	
	5640 Jul 08	06:13	0°♋	
	5640 Aug 01	18:08	0°♌	
asc. node	5640 Aug 07	18:15	7°♌21'39	
morning set	5640 Aug 16	07:19	17°♌50'38	
	5640 Aug 26	04:54	0°♍	
	5640 Sep 19	13:56	0°♎	
max. Earth dist.	5640 Sep 20	07:37	0°♎54'29	1.73336 AU
superior conj	5640 Sep 21	21:37	2°♎51'37	1°21'37
minimum elong	5640 Sep 21	16:24	2°♎35'32	1°21'32
	5640 Oct 13	21:28	0°♏	

evening rise	5640 Oct 28 08:58	17°♏53'06	
	5640 Nov 07 04:18	0°♐	
desc. node	5640 Nov 27 09:50	24°♐59'42	
	5640 Dec 01 11:05	0°♑	
	5640 Dec 25 18:01	0°♒	
	5641 Jan 19 01:45	0°♓	
	5641 Feb 12 12:41	0°♈	
	5641 Mar 09 08:39	0°♉	
asc. node	5641 Mar 20 11:01	13°♉08'03	
	5641 Apr 04 01:31	0°♊	
	5641 May 01 21:18	0°♋	
evening max el	5641 May 02 15:47	0°♋46'14	46°29'37
	5641 Jun 09 07:39	0°♌	
greatest brilliancy	5641 Jun 10 15:41	0°♌32'32	-4.8m
retrograde	5641 Jun 21 14:28	2°♌45'42	
	5641 Jul 03 08:52	30°℞♋	
evening set	5641 Jul 06 14:37	28°♋22'03	
desc. node	5641 Jul 10 02:33	26°♋19'54	
inferior conj	5641 Jul 12 23:06	24°♋33'34	-0°41'39
minimum elong	5641 Jul 12 21:33	24°♋36'00	0°41'12
min. Earth dist.	5641 Jul 12 13:52	24°♋48'02	0.28438 AU
morning rise	5641 Jul 19 04:55	20°♋49'12	
direct	5641 Aug 03 05:47	16°♋26'53	
greatest brilliancy	5641 Aug 13 04:49	18°♋13'48	-4.7m
	5641 Sep 02 10:22	0°♌	
morning max el	5641 Sep 20 21:17	16°♌02'35	45°41'47
	5641 Oct 04 20:59	0°♍	
asc. node	5641 Oct 31 04:03	28°♍37'04	
	5641 Nov 01 09:19	0°♎	
	5641 Nov 27 04:21	0°♏	
	5641 Dec 22 01:55	0°♐	
	5642 Jan 15 11:27	0°♑	
	5642 Feb 08 14:15	0°♒	
desc. node	5642 Feb 19 19:24	14°♒01'16	
	5642 Mar 04 13:22	0°♓	
morning set	5642 Mar 23 01:12	23°♓12'49	
	5642 Mar 28 10:52	0°♈	
	5642 Apr 21 08:35	0°♉	
superior conj	5642 May 02 13:21	14°♉01'32	-1°19'27
minimum elong	5642 May 02 21:59	14°♉28'33	1°19'17
max. Earth dist.	5642 May 06 03:14	18°♉30'01	1.71763 AU
	5642 May 15 08:17	0°♊	
	5642 Jun 08 11:20	0°♋	
evening rise	5642 Jun 11 02:50	3°♋16'37	
asc. node	5642 Jun 12 20:33	5°♋25'44	
	5642 Jul 02 18:24	0°♌	
	5642 Jul 27 06:02	0°♍	
	5642 Aug 20 23:23	0°♎	
	5642 Sep 15 00:58	0°♏	
desc. node	5642 Oct 02 12:08	20°♏33'58	
	5642 Oct 10 14:58	0°♐	
	5642 Nov 06 01:23	0°♑	
	5642 Dec 04 07:41	0°♒	
evening max el	5642 Dec 06 13:35	2°♒13'37	46°35'46
	5643 Jan 10 05:01	0°♓	
greatest brilliancy	5643 Jan 15 17:54	2°♓25'33	-4.9m
asc. node	5643 Jan 23 13:27	4°♓11'54	
retrograde	5643 Jan 25 16:09	4°♓17'16	
	5643 Feb 09 08:59	30°℞♒	
evening set	5643 Feb 09 13:49	29°♒53'27	
inferior conj	5643 Feb 15 05:54	26°♒33'12	5°30'41
minimum elong	5643 Feb 14 19:25	26°♒49'12	5°27'58
min. Earth dist.	5643 Feb 14 21:42	26°♒45'43	0.26732 AU
morning rise	5643 Feb 20 01:04	23°♒42'01	
direct	5643 Mar 07 18:08	18°♒50'28	
greatest brilliancy	5643 Mar 17 11:16	20°♒38'17	-4.9m
	5643 Apr 02 23:20	0°♓	
morning max el	5643 Apr 27 03:46	21°♓32'57	46°50'36
	5643 May 05 09:30	0°♈	
desc. node	5643 May 15 05:07	10°♈30'37	
	5643 Jun 01 16:28	0°♉	
	5643 Jun 27 14:21	0°♊	
	5643 Jul 22 22:46	0°♋	
	5643 Aug 16 23:52	0°♌	
asc. node	5643 Sep 05 06:15	23°♌16'48	
	5643 Sep 10 19:02	0°♍	
	5643 Oct 05 08:28	0°♎	
morning set	5643 Oct 24 14:33	23°♎42'18	
	5643 Oct 29 16:50	0°♏	
	5643 Nov 22 21:30	0°♐	
max. Earth dist.	5643 Nov 28 03:09	6°♐30'32	1.72333 AU
superior conj	5643 Nov 30 18:40	9°♐48'07	0°55'41
minimum elong	5643 Dec 01 04:35	10°♐18'58	0°55'20
	5643 Dec 16 23:47	0°♑	
desc. node	5643 Dec 25 21:41	11°♑07'01	
evening rise	5644 Jan 08 23:10	28°♑40'53	
	5644 Jan 10 00:29	0°♒	
	5644 Feb 03 00:06	0°♓	
	5644 Feb 26 23:48	0°♈	
	5644 Mar 22 02:03	0°♉	
	5644 Apr 15 10:45	0°♊	
asc. node	5644 Apr 16 22:54	1°♊50'15	
	5644 May 10 07:18	0°♋	
	5644 Jun 05 00:37	0°♌	
	5644 Jul 02 12:19	0°♍	
evening max el	5644 Jul 12 09:11	9°♍53'51	45°40'56
	5644 Aug 04 22:46	0°♎	
desc. node	5644 Aug 06 14:37	1°♎08'18	
greatest brilliancy	5644 Aug 19 16:12	8°♎03'04	-4.7m
retrograde	5644 Aug 30 06:31	10°♎03'59	
evening set	5644 Sep 16 17:41	4°♎17'56	
inferior conj	5644 Sep 20 18:36	1°♎48'22	-8°08'58
minimum elong	5644 Sep 20 12:30	1°♎57'56	8°08'23
min. Earth dist.	5644 Sep 20 17:28	1°♎50'08	0.29149 AU
	5644 Sep 23 16:17	30°℞♍	
morning rise	5644 Sep 24 07:21	29°♍37'09	
direct	5644 Oct 12 09:45	23°♍29'54	
greatest brilliancy	5644 Oct 22 20:43	25°♍29'30	-4.8m
	5644 Nov 01 02:46	0°♎	
asc. node	5644 Nov 27 15:43	21°♎23'36	
morning max el	5644 Nov 30 20:54	24°♎31'05	46°07'20
	5644 Dec 06 08:05	0°♏	
	5645 Jan 02 21:00	0°♐	
	5645 Jan 28 11:18	0°♑	
	5645 Feb 22 05:38	0°♒	
	5645 Mar 18 14:14	0°♓	
desc. node	5645 Mar 19 07:21	0°♓53'01	
	5645 Apr 11 18:07	0°♈	
	5645 May 05 20:26	0°♉	
	5645 May 29 23:27	0°♊	
morning set	5645 Jun 05 12:12	8°♊06'15	
	5645 Jun 23 04:25	0°♋	
asc. node	5645 Jul 10 08:23	21°♋12'27	
superior conj	5645 Jul 13 12:36	25°♋07'33	0°07'39
minimum elong	5645 Jul 13 10:56	25°♋02'22	0°07'33
behind sun begin	5645 Jul 12 14:10	23°♋58'18	
behind sun end	5645 Jul 14 07:42	26°♋06'26	
max. Earth dist.	5645 Jul 15 11:21	27°♋31'42	1.73123 AU
	5645 Jul 17 11:26	0°♌	
	5645 Aug 10 20:00	0°♍	
evening rise	5645 Aug 19 06:56	10°♍23'58	

	5645 Sep 04 05:56	0°♎	
	5645 Sep 28 17:54	0°♏	
	5645 Oct 23 09:02	0°♐	
desc. node	5645 Oct 29 23:59	8°♐01'59	
	5645 Nov 17 04:20	0°♑	
	5645 Dec 12 05:14	0°♒	
	5646 Jan 06 16:10	0°♓	
	5646 Feb 02 03:26	0°♈	
evening max el	5646 Feb 17 10:44	16°♈11'22	47°07'44
asc. node	5646 Feb 20 01:16	18°♈48'36	
	5646 Mar 03 21:24	0°♉	
greatest brilliancy	5646 Mar 30 00:44	17°♉31'27	-4.9m
retrograde	5646 Apr 09 03:31	19°♉27'28	
evening set	5646 Apr 26 20:06	13°♉24'54	
inferior conj	5646 Apr 29 23:39	11°♉28'25	8°23'45
minimum elong	5646 Apr 30 07:15	11°♉16'35	8°22'50
min. Earth dist.	5646 Apr 29 18:55	11°♉35'47	0.27487 AU
morning rise	5646 May 03 18:36	9°♉09'28	
direct	5646 May 20 18:35	3°♉36'51	
greatest brilliancy	5646 May 30 05:36	5°♉17'08	-4.8m
desc. node	5646 Jun 11 16:44	11°♉36'25	
	5646 Jul 04 07:43	0°♊	
morning max el	5646 Jul 09 05:16	4°♊40'27	46°06'03
	5646 Aug 02 17:12	0°♋	
	5646 Aug 29 14:40	0°♌	
	5646 Sep 24 10:24	0°♍	
asc. node	5646 Oct 02 18:04	9°♍51'04	
	5646 Oct 19 13:51	0°♎	
	5646 Nov 13 05:35	0°♏	
	5646 Dec 07 13:10	0°♐	
	5646 Dec 31 15:36	0°♑	
morning set	5647 Jan 03 08:53	3°♑23'55	
desc. node	5647 Jan 22 09:33	27°♑13'03	
	5647 Jan 24 14:48	0°♒	
max. Earth dist.	5647 Feb 11 09:18	22°♒18'59	1.71222 AU
superior conj	5647 Feb 12 20:11	24°♒08'38	-0°48'59
minimum elong	5647 Feb 12 09:16	23°♒34'17	0°48'30
	5647 Feb 17 12:00	0°♓	
	5647 Mar 13 08:26	0°♈	
evening rise	5647 Mar 25 16:06	15°♈28'44	
	5647 Apr 06 05:54	0°♉	
	5647 Apr 30 06:39	0°♊	
asc. node	5647 May 15 10:42	18°♊47'54	
	5647 May 24 12:56	0°♋	
	5647 Jun 18 03:03	0°♌	
	5647 Jul 13 04:24	0°♍	
	5647 Aug 07 23:49	0°♎	
desc. node	5647 Sep 04 02:18	29°♎51'29	
	5647 Sep 04 05:32	0°♏	
evening max el	5647 Sep 22 12:51	18°♏28'39	45°42'28
	5647 Oct 05 07:21	0°♐	
greatest brilliancy	5647 Nov 01 02:25	16°♐44'50	-4.8m
retrograde	5647 Nov 10 07:18	18°♐17'44	
evening set	5647 Nov 26 12:44	13°♐18'11	
inferior conj	5647 Dec 01 08:42	10°♐24'20	-5°42'22
minimum elong	5647 Dec 01 18:48	10°♐08'42	5°39'58
min. Earth dist.	5647 Dec 02 08:04	9°♐48'13	0.27843 AU
morning rise	5647 Dec 07 00:07	7°♐01'14	
direct	5647 Dec 22 10:58	2°♐19'59	
asc. node	5647 Dec 26 03:33	2°♐35'59	
greatest brilliancy	5648 Jan 02 16:44	4°♐40'23	-4.9m
	5648 Feb 05 16:22	0°♑	
morning max el	5648 Feb 10 23:06	5°♑14'28	46°51'03
	5648 Mar 05 00:08	0°♒	
	5648 Mar 30 22:50	0°♓	
desc. node	5648 Apr 15 19:13	18°♓53'50	
	5648 Apr 25 00:18	0°♈	
	5648 May 19 16:38	0°♉	
	5648 Jun 13 05:31	0°♊	
	5648 Jul 07 17:32	0°♋	
	5648 Aug 01 05:10	0°♌	
asc. node	5648 Aug 06 20:21	6°♌54'23	
morning set	5648 Aug 14 00:30	15°♌42'31	
	5648 Aug 25 15:46	0°♍	
max. Earth dist.	5648 Sep 18 03:58	28°♍55'55	1.73355 AU
	5648 Sep 19 00:46	0°♎	
superior conj	5648 Sep 19 15:29	0°♎45'22	1°20'36
minimum elong	5648 Sep 19 09:42	0°♎27'34	1°20'30
	5648 Oct 13 08:23	0°♏	
evening rise	5648 Oct 26 01:35	15°♏42'17	
	5648 Nov 06 15:23	0°♐	
desc. node	5648 Nov 26 11:48	24°♐30'59	
	5648 Nov 30 22:24	0°♑	
	5648 Dec 25 05:40	0°♒	
	5649 Jan 18 13:49	0°♓	
	5649 Feb 12 01:24	0°♈	
	5649 Mar 08 22:25	0°♉	
asc. node	5649 Mar 19 12:58	12°♉31'25	
	5649 Apr 03 17:27	0°♊	
evening max el	5649 Apr 30 06:28	28°♊28'18	46°31'35
	5649 May 01 19:24	0°♋	
greatest brilliancy	5649 Jun 08 07:40	28°♋18'53	-4.8m
	5649 Jun 13 23:49	0°♌	
retrograde	5649 Jun 19 06:51	0°♌32'37	
	5649 Jun 24 10:59	30°℞♋	
evening set	5649 Jul 04 06:50	26°♋08'03	
desc. node	5649 Jul 09 04:42	23°♋13'41	
min. Earth dist.	5649 Jul 10 05:47	22°♋34'37	0.28403 AU
inferior conj	5649 Jul 10 14:45	22°♋20'37	-0°20'44
minimum elong	5649 Jul 10 13:59	22°♋21'50	0°20'32
morning rise	5649 Jul 16 21:35	18°♋35'17	
direct	5649 Jul 31 20:56	14°♋14'15	
greatest brilliancy	5649 Aug 10 20:10	16°♋01'43	-4.7m
	5649 Sep 02 20:56	0°♌	
morning max el	5649 Sep 18 13:26	13°♌52'37	45°41'46
	5649 Oct 04 15:09	0°♍	
asc. node	5649 Oct 30 06:00	28°♍01'35	
	5649 Oct 31 23:41	0°♎	
	5649 Nov 26 17:08	0°♏	
	5649 Dec 21 13:57	0°♐	
	5650 Jan 14 23:05	0°♑	
	5650 Feb 08 01:39	0°♒	
desc. node	5650 Feb 18 21:25	13°♒32'08	
	5650 Mar 04 00:37	0°♓	
morning set	5650 Mar 20 11:34	20°♓39'37	
	5650 Mar 27 21:59	0°♈	
	5650 Apr 20 19:36	0°♉	
superior conj	5650 Apr 30 01:48	11°♉35'56	-1°20'56
minimum elong	5650 Apr 30 09:47	12°♉00'56	1°20'49
max. Earth dist.	5650 May 03 14:23	16°♉00'32	1.71716 AU
	5650 May 14 19:14	0°♊	
	5650 Jun 07 22:16	0°♋	
evening rise	5650 Jun 08 17:29	0°♋59'31	
asc. node	5650 Jun 11 22:38	4°♋58'17	
	5650 Jul 02 05:26	0°♌	
	5650 Jul 26 17:17	0°♍	
	5650 Aug 20 11:03	0°♎	
	5650 Sep 14 13:22	0°♏	
desc. node	5650 Oct 01 14:03	20°♏01'03	
	5650 Oct 10 04:41	0°♐	
	5650 Nov 05 17:43	0°♑	

evening max el	5650 Dec 04 04:13	29°♑53'44	46°33'48
	5650 Dec 04 06:46	0°♒	
	5651 Jan 13 09:07	0°♓	
greatest brilliancy	5651 Jan 13 06:10	29°♒57'23	-4.9m
asc. node	5651 Jan 22 15:31	1°♓48'38	
retrograde	5651 Jan 23 05:05	1°♓49'02	
	5651 Feb 01 14:57	30°℞♒	
evening set	5651 Feb 06 23:35	27°♒29'14	
inferior conj	5651 Feb 12 18:16	24°♒05'10	5°10'41
minimum elong	5651 Feb 12 08:08	24°♒20'38	5°07'58
min. Earth dist.	5651 Feb 12 10:36	24°♒16'52	0.26724 AU
morning rise	5651 Feb 17 16:46	21°♒09'24	
direct	5651 Mar 05 07:17	16°♒22'35	
greatest brilliancy	5651 Mar 15 00:16	18°♒10'33	-4.9m
	5651 Apr 03 16:52	0°♓	
morning max el	5651 Apr 24 17:35	19°♓09'30	46°51'46
	5651 May 05 05:34	0°♈	
desc. node	5651 May 14 07:04	9°♈46'55	
	5651 Jun 01 07:50	0°♉	
	5651 Jun 27 03:41	0°♊	
	5651 Jul 22 11:00	0°♋	
	5651 Aug 16 11:26	0°♌	
asc. node	5651 Sep 04 08:09	22°♌48'25	
	5651 Sep 10 06:12	0°♍	
	5651 Oct 04 19:25	0°♎	
morning set	5651 Oct 22 07:38	21°♎33'23	
	5651 Oct 29 03:40	0°♏	
	5651 Nov 22 08:20	0°♐	
max. Earth dist.	5651 Nov 25 17:16	4°♐11'28	1.72377 AU
superior conj	5651 Nov 28 09:50	7°♐32'12	0°58'18
minimum elong	5651 Nov 28 19:48	8°♐03'09	0°57'57
	5651 Dec 16 10:43	0°♑	
desc. node	5651 Dec 24 23:46	10°♑39'17	
evening rise	5652 Jan 06 11:52	26°♑16'01	
	5652 Jan 09 11:34	0°♒	
	5652 Feb 02 11:22	0°♓	
	5652 Feb 26 11:16	0°♈	
	5652 Mar 21 13:48	0°♉	
	5652 Apr 14 22:56	0°♊	
asc. node	5652 Apr 16 00:50	1°♊18'58	
	5652 May 09 20:18	0°♋	
	5652 Jun 04 15:17	0°♌	
	5652 Jul 02 07:24	0°♍	
evening max el	5652 Jul 10 01:09	7°♍43'04	45°41'55
desc. node	5652 Aug 05 16:34	29°♍54'35	
	5652 Aug 05 19:56	0°♎	
greatest brilliancy	5652 Aug 17 07:54	5°♎54'07	-4.7m
retrograde	5652 Aug 27 22:30	7°♎55'16	
evening set	5652 Sep 14 07:15	2°♎13'41	
	5652 Sep 17 22:03	30°℞♍	
inferior conj	5652 Sep 18 11:04	29°♍39'31	-8°02'16
minimum elong	5652 Sep 18 04:25	29°♍50'00	8°01'35
min. Earth dist.	5652 Sep 18 08:59	29°♍42'49	0.29153 AU
morning rise	5652 Sep 22 01:36	27°♍25'24	
direct	5652 Oct 10 02:19	21°♍21'21	
greatest brilliancy	5652 Oct 20 11:59	23°♍19'17	-4.7m
	5652 Nov 02 05:11	0°♎	
asc. node	5652 Nov 26 17:46	20°♎33'34	
morning max el	5652 Nov 28 11:26	22°♎15'14	46°05'43
	5652 Dec 06 03:44	0°♏	
	5653 Jan 02 11:59	0°♐	
	5653 Jan 28 00:31	0°♑	
	5653 Feb 21 17:58	0°♒	
desc. node	5653 Mar 18 09:15	0°♓22'19	
	5653 Mar 18 02:03	0°♓	
	5653 Apr 11 05:34	0°♈	
	5653 May 05 07:37	0°♉	
	5653 May 29 10:26	0°♊	
morning set	5653 Jun 03 03:00	5°♊49'24	
	5653 Jun 22 15:14	0°♋	
asc. node	5653 Jul 09 10:29	20°♋45'51	
superior conj	5653 Jul 11 05:06	22°♋57'22	0°04'18
minimum elong	5653 Jul 11 04:09	22°♋54'24	0°04'15
behind sun begin	5653 Jul 10 05:28	21°♋44'24	
behind sun end	5653 Jul 12 02:50	24°♋04'24	
max. Earth dist.	5653 Jul 13 07:20	25°♋32'19	1.73083 AU
	5653 Jul 16 22:08	0°♌	
	5653 Aug 10 06:40	0°♍	
evening rise	5653 Aug 17 01:12	8°♍19'42	
	5653 Sep 03 16:43	0°♎	
	5653 Sep 28 04:57	0°♏	
	5653 Oct 22 20:32	0°♐	
desc. node	5653 Oct 29 01:58	7°♐32'45	
	5653 Nov 16 16:30	0°♑	
	5653 Dec 11 18:24	0°♒	
	5654 Jan 06 07:02	0°♓	
	5654 Feb 01 21:56	0°♈	
evening max el	5654 Feb 14 23:36	13°♈44'58	47°07'41
asc. node	5654 Feb 19 03:11	17°♈54'05	
	5654 Mar 04 05:18	0°♉	
greatest brilliancy	5654 Mar 27 15:51	15°♉09'20	-4.9m
retrograde	5654 Apr 06 16:53	17°♉04'07	
evening set	5654 Apr 24 12:30	10°♉58'03	
inferior conj	5654 Apr 27 13:17	9°♉05'47	8°32'15
minimum elong	5654 Apr 27 20:13	8°♉55'00	8°31'30
min. Earth dist.	5654 Apr 27 08:32	9°♉13'10	0.27457 AU
morning rise	5654 May 01 04:04	6°♉52'54	
direct	5654 May 18 07:15	1°♉14'36	
greatest brilliancy	5654 May 27 18:53	2°♉55'01	-4.8m
desc. node	5654 Jun 10 18:52	10°♉15'45	
	5654 Jul 04 08:26	0°♊	
morning max el	5654 Jul 06 18:20	2°♊19'33	46°07'44
	5654 Aug 02 09:39	0°♋	
	5654 Aug 29 04:14	0°♌	
	5654 Sep 23 22:34	0°♍	
asc. node	5654 Oct 01 20:05	9°♍21'39	
	5654 Oct 19 01:17	0°♎	
	5654 Nov 12 16:39	0°♏	
	5654 Dec 07 00:06	0°♐	
	5654 Dec 31 02:28	0°♑	
morning set	5654 Dec 31 22:08	1°♑01'24	
desc. node	5655 Jan 21 11:34	26°♑45'21	
	5655 Jan 24 01:40	0°♒	
max. Earth dist.	5655 Feb 08 15:59	19°♒34'59	1.71245 AU
superior conj	5655 Feb 10 06:56	21°♒37'24	-0°45'38
minimum elong	5655 Feb 09 20:29	21°♒04'34	0°45'11
	5655 Feb 16 22:53	0°♓	
	5655 Mar 12 19:21	0°♈	
evening rise	5655 Mar 23 02:27	12°♈56'14	
	5655 Apr 05 16:53	0°♉	
	5655 Apr 29 17:44	0°♊	
asc. node	5655 May 14 12:48	18°♊19'49	
	5655 May 24 00:14	0°♋	
	5655 Jun 17 14:44	0°♌	
	5655 Jul 12 16:50	0°♍	
	5655 Aug 07 13:45	0°♎	
desc. node	5655 Sep 03 04:16	29°♎10'43	
	5655 Sep 03 23:04	0°♏	
evening max el	5655 Sep 20 02:41	16°♏13'12	45°41'32
	5655 Oct 05 14:54	0°♐	
greatest brilliancy	5655 Oct 29 15:47	14°♐28'32	-4.8m

retrograde	5655 Nov 07 21:34	16°♐02'15	
evening set	5655 Nov 24 06:02	10°♐57'31	
inferior conj	5655 Nov 28 23:13	8°♐07'39	-5°58'15
minimum elong	5655 Nov 29 09:27	7°♐51'52	5°55'56
min. Earth dist.	5655 Nov 29 22:43	7°♐31'22	0.27915 AU
morning rise	5655 Dec 04 12:10	4°♐48'11	
direct	5655 Dec 20 02:08	0°♐02'05	
asc. node	5655 Dec 25 05:37	0°♐33'02	
greatest brilliancy	5655 Dec 31 08:32	2°♐23'24	-4.8m
	5656 Feb 05 16:06	0°♑	
morning max el	5656 Feb 08 14:38	2°♑56'30	46°49'57
	5656 Mar 04 16:37	0°♒	
	5656 Mar 30 12:46	0°♓	
desc. node	5656 Apr 14 21:17	18°♓20'41	
	5656 Apr 24 12:58	0°♈	
	5656 May 19 04:32	0°♉	
	5656 Jun 12 16:53	0°♊	
	5656 Jul 07 04:32	0°♋	
	5656 Jul 31 15:54	0°♌	
asc. node	5656 Aug 05 22:14	6°♌27'24	
morning set	5656 Aug 11 17:47	13°♌35'29	
	5656 Aug 25 02:20	0°♍	
max. Earth dist.	5656 Sep 16 01:47	27°♍02'51	1.73368 AU
superior conj	5656 Sep 17 09:35	28°♍40'48	1°19'28
minimum elong	5656 Sep 17 03:17	28°♍21'24	1°19'22
	5656 Sep 18 11:17	0°♎	
	5656 Oct 12 18:56	0°♏	
evening rise	5656 Oct 23 18:38	13°♏34'03	
	5656 Nov 06 02:05	0°♐	
desc. node	5656 Nov 25 13:56	24°♐03'58	
	5656 Nov 30 09:21	0°♑	
	5656 Dec 24 16:59	0°♒	
	5657 Jan 18 01:38	0°♓	
	5657 Feb 11 13:54	0°♈	
	5657 Mar 08 12:04	0°♉	
asc. node	5657 Mar 18 14:56	11°♉55'07	
	5657 Apr 03 09:25	0°♊	
evening max el	5657 Apr 27 21:56	26°♊12'53	46°33'38
	5657 May 01 18:10	0°♋	
greatest brilliancy	5657 Jun 05 23:27	26°♋05'29	-4.8m
retrograde	5657 Jun 16 23:18	28°♋19'38	
evening set	5657 Jul 01 23:06	23°♋54'08	
inferior conj	5657 Jul 08 06:13	20°♋07'47	0°00'17
minimum elong	5657 Jul 08 06:13	20°♋07'46	0°00'16
transit middle	5657 Jul 08 06:13	20°♋07'46	0°00'16
transit begin	5657 Jul 08 02:10	20°♋14'06	
transit end	5657 Jul 08 10:17	20°♋01'27	
min. Earth dist.	5657 Jul 07 21:19	20°♋21'40	0.28367 AU
desc. node	5657 Jul 08 06:41	20°♋07'03	
morning rise	5657 Jul 14 13:54	16°♋21'44	
direct	5657 Jul 29 12:22	12°♋01'56	
greatest brilliancy	5657 Aug 08 10:45	13°♋49'13	-4.7m
	5657 Sep 03 04:20	0°♌	
morning max el	5657 Sep 16 05:47	11°♌44'02	45°41'52
	5657 Oct 04 08:32	0°♍	
asc. node	5657 Oct 29 08:02	27°♍27'37	
	5657 Oct 31 13:30	0°♎	
	5657 Nov 26 05:27	0°♏	
	5657 Dec 21 01:32	0°♐	
	5658 Jan 14 10:17	0°♑	
	5658 Feb 07 12:39	0°♒	
desc. node	5658 Feb 17 23:20	13°♒03'52	
	5658 Mar 03 11:31	0°♓	
morning set	5658 Mar 17 21:43	18°♓06'39	
	5658 Mar 27 08:49	0°♈	
	5658 Apr 20 06:22	0°♉	
superior conj	5658 Apr 27 13:37	9°♉08'59	-1°22'18
minimum elong	5658 Apr 27 20:53	9°♉31'45	1°22'12
max. Earth dist.	5658 May 01 01:56	13°♉32'56	1.71673 AU
	5658 May 14 05:57	0°♊	
evening rise	5658 Jun 06 07:24	28°♊40'46	
	5658 Jun 07 08:59	0°♋	
asc. node	5658 Jun 11 00:38	4°♋31'21	
	5658 Jul 01 16:14	0°♌	
	5658 Jul 26 04:18	0°♍	
	5658 Aug 19 22:30	0°♎	
	5658 Sep 14 01:33	0°♏	
desc. node	5658 Sep 30 16:06	19°♏29'13	
	5658 Oct 09 18:12	0°♐	
	5658 Nov 05 09:56	0°♑	
evening max el	5658 Dec 01 18:53	27°♑35'23	46°31'54
	5658 Dec 04 06:20	0°♒	
greatest brilliancy	5659 Jan 10 19:09	27°♒32'00	-4.9m
retrograde	5659 Jan 20 17:48	29°♒22'44	
asc. node	5659 Jan 21 17:23	29°♒21'34	
evening set	5659 Feb 04 09:51	25°♒06'51	
inferior conj	5659 Feb 10 06:52	21°♒39'19	4°50'14
minimum elong	5659 Feb 09 21:09	21°♒54'11	4°47'34
min. Earth dist.	5659 Feb 10 00:02	21°♒49'46	0.26720 AU
morning rise	5659 Feb 15 08:32	18°♒38'56	
direct	5659 Mar 02 20:21	13°♒56'52	
greatest brilliancy	5659 Mar 12 13:56	15°♒45'10	-4.9m
	5659 Apr 04 05:21	0°♓	
morning max el	5659 Apr 22 06:35	16°♓44'55	46°52'32
	5659 May 05 00:41	0°♈	
desc. node	5659 May 13 09:11	9°♈05'01	
	5659 May 31 22:46	0°♉	
	5659 Jun 26 16:44	0°♊	
	5659 Jul 21 22:59	0°♋	
	5659 Aug 15 22:46	0°♌	
asc. node	5659 Sep 03 10:09	22°♌21'08	
	5659 Sep 09 17:07	0°♍	
	5659 Oct 04 06:06	0°♎	
morning set	5659 Oct 20 00:32	19°♎24'44	
	5659 Oct 28 14:16	0°♏	
	5659 Nov 21 18:56	0°♐	
max. Earth dist.	5659 Nov 23 06:08	1°♐49'22	1.72418 AU
superior conj	5659 Nov 26 01:13	5°♐17'48	1°00'48
minimum elong	5659 Nov 26 11:09	5°♐48'41	1°00'28
	5659 Dec 15 21:24	0°♑	
desc. node	5659 Dec 24 01:45	10°♑12'05	
evening rise	5660 Jan 04 00:55	23°♑53'13	
	5660 Jan 08 22:22	0°♒	
	5660 Feb 01 22:18	0°♓	
	5660 Feb 25 22:24	0°♈	
	5660 Mar 21 01:13	0°♉	
	5660 Apr 14 10:53	0°♊	
asc. node	5660 Apr 15 02:55	0°♊48'52	
	5660 May 09 09:10	0°♋	
	5660 Jun 04 06:01	0°♌	
	5660 Jul 02 03:00	0°♍	
evening max el	5660 Jul 07 16:12	5°♍30'01	45°42'55
desc. node	5660 Aug 04 18:32	28°♍38'35	
	5660 Aug 07 01:21	0°♎	
greatest brilliancy	5660 Aug 14 23:42	3°♎44'57	-4.7m
retrograde	5660 Aug 25 14:06	5°♎46'20	
evening set	5660 Sep 11 20:27	0°♎09'15	
	5660 Sep 12 02:40	30°℞♍	
inferior conj	5660 Sep 16 03:21	27°♍30'31	-7°54'51
minimum elong	5660 Sep 15 20:08	27°♍41'53	7°54'02
min. Earth dist.	5660 Sep 16 00:38	27°♍34'48	0.29154 AU
morning rise	5660 Sep 19 19:48	25°♍13'16	

direct	5660 Oct 07 18:07	19°♍12'26	
greatest brilliancy	5660 Oct 18 03:37	21°♍09'31	-4.7m
	5660 Nov 03 00:22	0°♎	
asc. node	5660 Nov 25 19:50	19°♎44'45	
morning max el	5660 Nov 26 01:31	19°♎58'38	46°04'17
	5660 Dec 05 22:40	0°♏	
	5661 Jan 02 02:37	0°♐	
	5661 Jan 27 13:28	0°♑	
	5661 Feb 21 06:02	0°♒	
desc. node	5661 Mar 17 11:20	29°♒53'03	
	5661 Mar 17 13:35	0°♓	
	5661 Apr 10 16:44	0°♈	
	5661 May 04 18:33	0°♉	
	5661 May 28 21:12	0°♊	
morning set	5661 May 31 17:43	3°♊32'47	
	5661 Jun 22 01:54	0°♋	
superior conj	5661 Jul 08 21:20	20°♋46'38	0°00'55
minimum elong	5661 Jul 08 21:09	20°♋46'04	0°00'52
behind sun begin	5661 Jul 07 21:49	19°♋34'03	
behind sun end	5661 Jul 09 20:29	21°♋58'05	
asc. node	5661 Jul 08 12:23	20°♋18'59	
max. Earth dist.	5661 Jul 11 00:53	23°♋25'40	1.73050 AU
	5661 Jul 16 08:44	0°♌	
	5661 Aug 09 17:17	0°♍	
evening rise	5661 Aug 14 19:06	6°♍14'28	
	5661 Sep 03 03:27	0°♎	
	5661 Sep 27 15:59	0°♏	
	5661 Oct 22 08:01	0°♐	
desc. node	5661 Oct 28 04:05	7°♐04'01	
	5661 Nov 16 04:40	0°♑	
	5661 Dec 11 07:37	0°♒	
	5662 Jan 05 22:01	0°♓	
	5662 Feb 01 16:48	0°♈	
evening max el	5662 Feb 12 12:25	11°♈19'00	47°07'48
asc. node	5662 Feb 18 05:15	16°♈59'19	
	5662 Mar 04 15:42	0°♉	
greatest brilliancy	5662 Mar 25 06:48	12°♉47'50	-4.9m
retrograde	5662 Apr 04 06:40	14°♉42'05	
evening set	5662 Apr 22 04:50	8°♉32'34	
inferior conj	5662 Apr 25 03:08	6°♉44'16	8°39'47
minimum elong	5662 Apr 25 09:19	6°♉34'40	8°39'12
min. Earth dist.	5662 Apr 24 22:12	6°♉51'57	0.27428 AU
morning rise	5662 Apr 28 13:54	4°♉37'25	
	5662 May 08 10:33	30°℞♈	
direct	5662 May 15 19:59	28°♈53'19	
	5662 May 23 12:16	0°♉	
greatest brilliancy	5662 May 25 08:18	0°♉34'09	-4.8m
desc. node	5662 Jun 09 20:51	8°♉58'16	
	5662 Jul 04 07:46	0°♊	
morning max el	5662 Jul 04 08:19	0°♊01'21	46°09'15
	5662 Aug 02 01:43	0°♋	
	5662 Aug 28 17:41	0°♌	
	5662 Sep 23 10:44	0°♍	
asc. node	5662 Sep 30 22:10	8°♍52'19	
	5662 Oct 18 12:46	0°♎	
	5662 Nov 12 03:46	0°♏	
	5662 Dec 06 11:03	0°♐	
morning set	5662 Dec 29 11:23	28°♐38'52	
	5662 Dec 30 13:22	0°♑	
desc. node	5663 Jan 20 13:29	26°♑17'11	
	5663 Jan 23 12:34	0°♒	
max. Earth dist.	5663 Feb 06 01:08	16°♒58'39	1.71269 AU
superior conj	5663 Feb 07 17:39	19°♒05'57	-0°42'12
minimum elong	5663 Feb 07 07:46	18°♒34'55	0°41'45
	5663 Feb 16 09:48	0°♓	
	5663 Mar 12 06:18	0°♈	
evening rise	5663 Mar 20 13:00	10°♈24'15	
	5663 Apr 05 03:53	0°♉	
	5663 Apr 29 04:50	0°♊	
asc. node	5663 May 13 14:48	17°♊51'30	
	5663 May 23 11:30	0°♋	
	5663 Jun 17 02:26	0°♌	
	5663 Jul 12 05:22	0°♍	
	5663 Aug 07 03:57	0°♎	
desc. node	5663 Sep 02 06:21	28°♎29'14	
	5663 Sep 03 17:14	0°♏	
evening max el	5663 Sep 17 17:31	13°♏59'35	45°40'31
	5663 Oct 06 01:42	0°♐	
greatest brilliancy	5663 Oct 27 04:41	12°♐11'08	-4.8m
retrograde	5663 Nov 05 12:03	13°♐45'50	
evening set	5663 Nov 21 23:16	8°♐36'06	
inferior conj	5663 Nov 26 13:39	5°♐50'05	-6°13'28
minimum elong	5663 Nov 26 23:54	5°♐34'15	6°11'15
min. Earth dist.	5663 Nov 27 12:55	5°♐14'11	0.27985 AU
morning rise	5663 Dec 01 23:56	2°♐34'32	
	5663 Dec 07 03:57	30°℞♏	
direct	5663 Dec 17 17:38	27°♏43'35	
asc. node	5663 Dec 24 07:30	28°♏33'49	
	5663 Dec 28 18:38	0°♐	
greatest brilliancy	5663 Dec 28 23:35	0°♐04'54	-4.8m
	5664 Feb 05 15:01	0°♑	
morning max el	5664 Feb 06 06:34	0°♑39'13	46°48'47
	5664 Mar 04 08:58	0°♒	
	5664 Mar 30 02:44	0°♓	
desc. node	5664 Apr 13 23:18	17°♓47'07	
	5664 Apr 24 01:43	0°♈	
	5664 May 18 16:31	0°♉	
	5664 Jun 12 04:21	0°♊	
	5664 Jul 06 15:36	0°♋	
	5664 Jul 31 02:43	0°♌	
asc. node	5664 Aug 05 00:16	6°♌00'33	
morning set	5664 Aug 09 11:20	11°♌29'03	
	5664 Aug 24 13:03	0°♍	
max. Earth dist.	5664 Sep 14 00:15	25°♍11'13	1.73386 AU
superior conj	5664 Sep 15 03:44	26°♍35'52	1°18'14
minimum elong	5664 Sep 14 20:58	26°♍15'02	1°18'07
	5664 Sep 17 21:59	0°♎	
	5664 Oct 12 05:44	0°♏	
evening rise	5664 Oct 21 11:37	11°♏24'46	
	5664 Nov 05 13:04	0°♐	
desc. node	5664 Nov 24 15:52	23°♐35'23	
	5664 Nov 29 20:36	0°♑	
	5664 Dec 24 04:35	0°♒	
	5665 Jan 17 13:44	0°♓	
	5665 Feb 11 02:44	0°♈	
	5665 Mar 08 02:05	0°♉	
asc. node	5665 Mar 17 17:02	11°♉18'09	
	5665 Apr 03 01:57	0°♊	
evening max el	5665 Apr 25 14:17	23°♊58'51	46°35'41
	5665 May 01 18:14	0°♋	
greatest brilliancy	5665 Jun 03 15:47	23°♋52'19	-4.8m
retrograde	5665 Jun 14 15:49	26°♋06'11	
evening set	5665 Jun 29 15:44	21°♋39'56	
inferior conj	5665 Jul 05 21:48	17°♋54'43	0°21'15
minimum elong	5665 Jul 05 22:36	17°♋53'29	0°21'00
min. Earth dist.	5665 Jul 05 12:57	18°♋08'31	0.28326 AU
desc. node	5665 Jul 07 08:36	17°♋00'36	
morning rise	5665 Jul 12 06:08	14°♋08'04	
direct	5665 Jul 27 04:05	9°♋49'39	
greatest brilliancy	5665 Aug 06 00:59	11°♋36'02	-4.7m
	5665 Sep 03 09:38	0°♌	

morning max el	5665 Sep 13 21:44	9°♌34'07	45°41'51
	5665 Oct 04 01:44	0°♍	
asc. node	5665 Oct 28 10:03	26°♍53'07	
	5665 Oct 31 03:27	0°♎	
	5665 Nov 25 18:03	0°♏	
	5665 Dec 20 13:27	0°♐	
	5666 Jan 13 21:50	0°♑	
	5666 Feb 07 00:00	0°♒	
desc. node	5666 Feb 17 01:28	12°♒35'10	
	5666 Mar 02 22:45	0°♓	
morning set	5666 Mar 15 07:41	15°♓32'11	
	5666 Mar 26 19:58	0°♈	
	5666 Apr 19 17:26	0°♉	
superior conj	5666 Apr 25 01:21	6°♉40'46	-1°23'30
minimum elong	5666 Apr 25 07:49	7°♉01'02	1°23'26
max. Earth dist.	5666 Apr 28 14:10	11°♉06'22	1.71628 AU
	5666 May 13 16:59	0°♊	
evening rise	5666 Jun 03 21:18	26°♊20'48	
	5666 Jun 06 20:01	0°♋	
asc. node	5666 Jun 10 02:35	4°♋03'13	
	5666 Jul 01 03:21	0°♌	
	5666 Jul 25 15:37	0°♍	
	5666 Aug 19 10:13	0°♎	
	5666 Sep 13 14:02	0°♏	
desc. node	5666 Sep 29 18:10	18°♏56'25	
	5666 Oct 09 08:10	0°♐	
	5666 Nov 05 02:53	0°♑	
evening max el	5666 Nov 29 08:51	25°♑14'02	46°29'41
	5666 Dec 04 07:40	0°♒	
greatest brilliancy	5667 Jan 08 08:38	25°♒05'25	-4.9m
retrograde	5667 Jan 18 05:46	26°♒54'35	
asc. node	5667 Jan 20 19:28	26°♒46'35	
evening set	5667 Feb 01 20:13	22°♒42'15	
inferior conj	5667 Feb 07 19:22	19°♒11'48	4°29'10
minimum elong	5667 Feb 07 10:08	19°♒25'56	4°26'33
min. Earth dist.	5667 Feb 07 13:51	19°♒20'15	0.26719 AU
morning rise	5667 Feb 13 00:03	16°♒06'50	
direct	5667 Feb 28 08:49	11°♒29'14	
greatest brilliancy	5667 Mar 10 04:12	13°♒18'40	-4.9m
	5667 Apr 04 15:16	0°♓	
morning max el	5667 Apr 19 18:40	14°♓16'32	46°53'26
	5667 May 04 19:44	0°♈	
desc. node	5667 May 12 11:10	8°♈22'06	
	5667 May 31 13:52	0°♉	
	5667 Jun 26 06:02	0°♊	
	5667 Jul 21 11:16	0°♋	
	5667 Aug 15 10:24	0°♌	
asc. node	5667 Sep 02 12:16	21°♌53'18	
	5667 Sep 09 04:20	0°♍	
	5667 Oct 03 17:03	0°♎	
morning set	5667 Oct 17 17:53	17°♎16'37	
	5667 Oct 28 01:08	0°♏	
max. Earth dist.	5667 Nov 20 21:10	29°♏33'03	1.72467 AU
	5667 Nov 21 05:50	0°♐	
superior conj	5667 Nov 23 17:01	3°♐03'51	1°03'09
minimum elong	5667 Nov 24 02:53	3°♐34'30	1°02'51
	5667 Dec 15 08:26	0°♑	
desc. node	5667 Dec 23 03:44	9°♑43'46	
evening rise	5668 Jan 01 14:07	21°♑29'49	
	5668 Jan 08 09:34	0°♒	
	5668 Feb 01 09:41	0°♓	
	5668 Feb 25 09:59	0°♈	
	5668 Mar 20 13:08	0°♉	
	5668 Apr 13 23:19	0°♊	
asc. node	5668 Apr 14 04:54	0°♊16'59	
	5668 May 08 22:32	0°♋	
	5668 Jun 03 21:20	0°♌	
	5668 Jul 01 23:36	0°♍	
evening max el	5668 Jul 05 06:55	3°♍15'12	45°44'07
desc. node	5668 Aug 03 20:40	27°♍19'50	
	5668 Aug 08 21:04	0°♎	
greatest brilliancy	5668 Aug 12 15:20	1°♎34'56	-4.7m
retrograde	5668 Aug 23 06:03	3°♎37'18	
	5668 Sep 05 21:59	30°℞♍	
evening set	5668 Sep 09 09:48	28°♍04'28	
inferior conj	5668 Sep 13 19:51	25°♍21'20	-7°46'51
minimum elong	5668 Sep 13 12:06	25°♍33'30	7°45'54
min. Earth dist.	5668 Sep 13 16:32	25°♍26'32	0.29150 AU
morning rise	5668 Sep 17 14:22	23°♍00'56	
direct	5668 Oct 05 09:56	17°♍03'16	
greatest brilliancy	5668 Oct 15 19:52	19°♍00'16	-4.7m
	5668 Nov 03 14:47	0°♎	
morning max el	5668 Nov 23 16:09	17°♎43'05	46°02'56
asc. node	5668 Nov 24 21:44	18°♎55'52	
	5668 Dec 05 17:18	0°♏	
	5669 Jan 01 17:19	0°♐	
	5669 Jan 27 02:36	0°♑	
	5669 Feb 20 18:24	0°♒	
desc. node	5669 Mar 16 13:23	29°♒22'32	
	5669 Mar 17 01:28	0°♓	
	5669 Apr 10 04:19	0°♈	
	5669 May 04 05:52	0°♉	
	5669 May 28 08:20	0°♊	
morning set	5669 May 29 07:59	1°♊13'30	
	5669 Jun 21 12:53	0°♋	
superior conj	5669 Jul 06 13:25	18°♋34'26	-0°02'32
minimum elong	5669 Jul 06 13:58	18°♋36'10	0°02'32
behind sun begin	5669 Jul 05 14:43	17°♋24'21	
behind sun end	5669 Jul 07 13:14	19°♋47'57	
asc. node	5669 Jul 07 14:26	19°♋51'40	
max. Earth dist.	5669 Jul 08 17:35	21°♋15'28	1.73012 AU
	5669 Jul 15 19:38	0°♌	
	5669 Aug 09 04:11	0°♍	
evening rise	5669 Aug 12 13:07	4°♍08'43	
	5669 Sep 02 14:29	0°♎	
	5669 Sep 27 03:16	0°♏	
	5669 Oct 21 19:44	0°♐	
desc. node	5669 Oct 27 06:01	6°♐34'04	
	5669 Nov 15 17:03	0°♑	
	5669 Dec 10 21:04	0°♒	
	5670 Jan 05 13:22	0°♓	
	5670 Feb 01 12:30	0°♈	
evening max el	5670 Feb 10 01:37	8°♈53'10	47°07'33
asc. node	5670 Feb 17 07:17	16°♈02'17	
	5670 Mar 05 06:25	0°♉	
greatest brilliancy	5670 Mar 22 20:49	10°♉23'20	-4.9m
retrograde	5670 Apr 01 20:29	12°♉17'48	
evening set	5670 Apr 19 20:31	6°♉04'59	
inferior conj	5670 Apr 22 16:36	4°♉20'18	8°46'27
minimum elong	5670 Apr 22 22:00	4°♉11'56	8°46'00
min. Earth dist.	5670 Apr 22 11:17	4°♉28'33	0.27402 AU
morning rise	5670 Apr 25 23:34	2°♉19'22	
	5670 Apr 30 03:37	30°℞♈	
direct	5670 May 13 08:50	26°♈29'31	
greatest brilliancy	5670 May 22 21:11	28°♈10'43	-4.8m
	5670 May 27 08:52	0°♉	
desc. node	5670 Jun 08 22:48	7°♉41'30	
morning max el	5670 Jul 01 22:55	27°♉43'21	46°10'56
	5670 Jul 04 06:35	0°♊	
	5670 Aug 01 17:49	0°♋	
	5670 Aug 28 07:14	0°♌	

	5670 Sep 22 23:01	0°♍	
asc. node	5670 Sep 30 00:05	8°♍22'07	
	5670 Oct 18 00:22	0°♎	
	5670 Nov 11 15:00	0°♏	
	5670 Dec 05 22:06	0°♐	
morning set	5670 Dec 27 01:18	26°♐18'19	
	5670 Dec 30 00:20	0°♑	
desc. node	5671 Jan 19 15:37	25°♑49'36	
	5671 Jan 22 23:30	0°♒	
max. Earth dist.	5671 Feb 03 12:49	14°♒30'07	1.71294 AU
superior conj	5671 Feb 05 04:49	16°♒35'46	-0°38'44
minimum elong	5671 Feb 04 19:35	16°♒06'45	0°38'17
	5671 Feb 15 20:46	0°♓	
	5671 Mar 11 17:21	0°♈	
evening rise	5671 Mar 17 23:45	7°♈52'30	
	5671 Apr 04 15:02	0°♉	
	5671 Apr 28 16:06	0°♊	
asc. node	5671 May 12 16:43	17°♊22'13	
	5671 May 22 23:01	0°♋	
	5671 Jun 16 14:23	0°♌	
	5671 Jul 11 18:09	0°♍	
	5671 Aug 06 18:28	0°♎	
desc. node	5671 Sep 01 08:21	27°♎46'50	
	5671 Sep 03 11:57	0°♏	
evening max el	5671 Sep 15 09:01	11°♏47'32	45°39'39
	5671 Oct 06 16:10	0°♐	
greatest brilliancy	5671 Oct 24 17:50	9°♐54'34	-4.8m
retrograde	5671 Nov 03 02:36	11°♐29'55	
evening set	5671 Nov 19 16:46	6°♐15'31	
inferior conj	5671 Nov 24 04:16	3°♐33'15	-6°28'06
minimum elong	5671 Nov 24 14:29	3°♐17'28	6°25'58
min. Earth dist.	5671 Nov 25 03:06	2°♐57'57	0.28049 AU
morning rise	5671 Nov 29 11:42	0°♐21'40	
	5671 Nov 30 03:11	30°℞♏	
direct	5671 Dec 15 09:30	25°♏26'05	
asc. node	5671 Dec 23 09:35	26°♏39'47	
greatest brilliancy	5671 Dec 26 14:19	27°♏46'36	-4.8m
	5671 Dec 31 09:06	0°♐	
morning max el	5672 Feb 03 22:12	28°♐21'43	46°47'38
	5672 Feb 05 12:51	0°♑	
	5672 Mar 04 00:52	0°♒	
	5672 Mar 29 16:26	0°♓	
desc. node	5672 Apr 13 01:15	17°♓13'56	
	5672 Apr 23 14:17	0°♈	
	5672 May 18 04:26	0°♉	
	5672 Jun 11 15:47	0°♊	
	5672 Jul 06 02:42	0°♋	
	5672 Jul 30 13:34	0°♌	
asc. node	5672 Aug 04 02:22	5°♌33'48	
morning set	5672 Aug 07 04:32	9°♌21'23	
	5672 Aug 23 23:45	0°♍	
max. Earth dist.	5672 Sep 11 21:35	23°♍16'13	1.73395 AU
superior conj	5672 Sep 12 21:36	24°♍30'13	1°16'54
minimum elong	5672 Sep 12 14:24	24°♍08'02	1°16'44
	5672 Sep 17 08:39	0°♎	
	5672 Oct 11 16:28	0°♏	
evening rise	5672 Oct 19 04:31	9°♏15'31	
	5672 Nov 04 23:58	0°♐	
desc. node	5672 Nov 23 17:51	23°♐07'17	
	5672 Nov 29 07:46	0°♑	
	5672 Dec 23 16:07	0°♒	
	5673 Jan 17 01:45	0°♓	
	5673 Feb 10 15:26	0°♈	
	5673 Mar 07 16:00	0°♉	
asc. node	5673 Mar 16 19:00	10°♉41'17	
	5673 Apr 02 18:30	0°♊	
evening max el	5673 Apr 23 06:10	21°♊44'08	46°37'24
	5673 May 01 19:17	0°♋	
greatest brilliancy	5673 Jun 01 08:25	21°♋39'30	-4.8m
retrograde	5673 Jun 12 07:41	23°♋52'15	
evening set	5673 Jun 27 08:20	19°♋25'14	
min. Earth dist.	5673 Jul 03 04:44	15°♋54'34	0.28289 AU
inferior conj	5673 Jul 03 13:12	15°♋41'21	0°42'29
minimum elong	5673 Jul 03 14:47	15°♋38'52	0°41'58
desc. node	5673 Jul 06 10:45	13°♋53'53	
morning rise	5673 Jul 09 21:57	11°♋54'01	
direct	5673 Jul 24 19:30	7°♋37'02	
greatest brilliancy	5673 Aug 03 15:25	9°♋22'36	-4.7m
	5673 Sep 03 13:06	0°♌	
morning max el	5673 Sep 11 12:48	7°♌22'01	45°41'56
	5673 Oct 03 18:30	0°♍	
asc. node	5673 Oct 27 12:02	26°♍19'08	
	5673 Oct 30 17:07	0°♎	
	5673 Nov 25 06:21	0°♏	
	5673 Dec 20 01:04	0°♐	
	5674 Jan 13 09:06	0°♑	
	5674 Feb 06 11:05	0°♒	
desc. node	5674 Feb 16 03:26	12°♒06'52	
	5674 Mar 02 09:43	0°♓	
morning set	5674 Mar 12 17:54	12°♓59'20	
	5674 Mar 26 06:48	0°♈	
	5674 Apr 19 04:11	0°♉	
superior conj	5674 Apr 22 13:24	4°♉14'34	-1°24'33
minimum elong	5674 Apr 22 19:00	4°♉32'07	1°24'29
max. Earth dist.	5674 Apr 26 02:18	8°♉40'30	1.71581 AU
	5674 May 13 03:40	0°♊	
evening rise	5674 Jun 01 11:16	24°♊02'03	
	5674 Jun 06 06:44	0°♋	
asc. node	5674 Jun 09 04:40	3°♋36'30	
	5674 Jun 30 14:11	0°♌	
	5674 Jul 25 02:42	0°♍	
	5674 Aug 18 21:44	0°♎	
	5674 Sep 13 02:23	0°♏	
desc. node	5674 Sep 28 20:05	18°♏23'45	
	5674 Oct 08 22:01	0°♐	
	5674 Nov 04 19:52	0°♑	
evening max el	5674 Nov 26 21:46	22°♑51'10	46°27'37
	5674 Dec 04 09:58	0°♒	
greatest brilliancy	5675 Jan 05 22:18	22°♒40'14	-4.9m
retrograde	5675 Jan 15 17:29	24°♒27'55	
asc. node	5675 Jan 19 21:33	24°♒06'53	
evening set	5675 Jan 30 06:49	20°♒18'21	
inferior conj	5675 Feb 05 07:54	16°♒45'36	4°07'31
minimum elong	5675 Feb 04 23:15	16°♒58'52	4°05'00
min. Earth dist.	5675 Feb 05 03:57	16°♒51'40	0.26721 AU
morning rise	5675 Feb 10 15:31	13°♒36'17	
direct	5675 Feb 25 21:00	9°♒02'34	
greatest brilliancy	5675 Mar 07 19:05	10°♒54'03	-4.9m
	5675 Apr 04 22:01	0°♓	
morning max el	5675 Apr 17 06:50	11°♓49'23	46°54'28
	5675 May 04 13:50	0°♈	
desc. node	5675 May 11 13:08	7°♈40'52	
	5675 May 31 04:20	0°♉	
	5675 Jun 25 18:47	0°♊	
	5675 Jul 20 23:04	0°♋	
	5675 Aug 14 21:36	0°♌	
asc. node	5675 Sep 01 14:09	21°♌25'51	
	5675 Sep 08 15:11	0°♍	
	5675 Oct 03 03:42	0°♎	
morning set	5675 Oct 15 10:55	15°♎08'25	
	5675 Oct 27 11:41	0°♏	

max. Earth dist.	5675 Nov 18 13:25	27°♏21'37	1.72513 AU
	5675 Nov 20 16:25	0°♐	
superior conj	5675 Nov 21 08:34	0°♐50'10	1°05'26
minimum elong	5675 Nov 21 18:18	1°♐20'24	1°05'09
	5675 Dec 14 19:07	0°♑	
desc. node	5675 Dec 22 05:48	9°♑16'50	
evening rise	5675 Dec 30 03:13	19°♑07'21	
	5676 Jan 07 20:24	0°♒	
	5676 Jan 31 20:42	0°♓	
	5676 Feb 24 21:14	0°♈	
	5676 Mar 20 00:43	0°♉	
asc. node	5676 Apr 13 06:51	29°♉46'10	
	5676 Apr 13 11:24	0°♊	
	5676 May 08 11:33	0°♋	
	5676 Jun 03 12:21	0°♌	
	5676 Jul 01 20:21	0°♍	
evening max el	5676 Jul 02 21:37	1°♍01'47	45°45'23
desc. node	5676 Aug 02 22:36	25°♍59'38	
greatest brilliancy	5676 Aug 10 06:08	29°♍25'13	-4.7m
	5676 Aug 11 22:29	0°♎	
retrograde	5676 Aug 20 22:20	1°♎29'27	
	5676 Aug 29 14:23	30°℞♍	
evening set	5676 Sep 06 22:58	26°♍00'35	
inferior conj	5676 Sep 11 12:13	23°♍13'01	-7°38'05
minimum elong	5676 Sep 11 04:02	23°♍25'52	7°36'59
min. Earth dist.	5676 Sep 11 08:06	23°♍19'29	0.29151 AU
morning rise	5676 Sep 15 09:03	20°♍49'21	
direct	5676 Oct 03 01:54	14°♍54'51	
greatest brilliancy	5676 Oct 13 12:04	16°♍52'00	-4.7m
	5676 Nov 04 01:05	0°♎	
morning max el	5676 Nov 21 07:40	15°♎30'40	46°01'34
asc. node	5676 Nov 23 23:49	18°♎09'04	
	5676 Dec 05 11:09	0°♏	
	5677 Jan 01 07:32	0°♐	
	5677 Jan 26 15:20	0°♑	
	5677 Feb 20 06:20	0°♒	
desc. node	5677 Mar 15 15:17	28°♒52'51	
	5677 Mar 16 12:56	0°♓	
	5677 Apr 09 15:27	0°♈	
	5677 May 03 16:48	0°♉	
morning set	5677 May 26 22:10	28°♉54'59	
	5677 May 27 19:04	0°♊	
	5677 Jun 20 23:28	0°♋	
superior conj	5677 Jul 04 05:28	16°♋23'17	-0°05'57
minimum elong	5677 Jul 04 06:48	16°♋27'24	0°05'54
behind sun begin	5677 Jul 03 08:41	15°♋19'06	
behind sun end	5677 Jul 05 04:54	17°♋35'41	
max. Earth dist.	5677 Jul 06 10:54	19°♋08'19	1.72974 AU
asc. node	5677 Jul 06 16:30	19°♋25'36	
	5677 Jul 15 06:08	0°♌	
	5677 Aug 08 14:41	0°♍	
evening rise	5677 Aug 10 07:14	2°♍04'38	
	5677 Sep 02 01:08	0°♎	
	5677 Sep 26 14:13	0°♏	
	5677 Oct 21 07:10	0°♐	
desc. node	5677 Oct 26 08:01	6°♐05'11	
	5677 Nov 15 05:13	0°♑	
	5677 Dec 10 10:22	0°♒	
	5678 Jan 05 04:41	0°♓	
	5678 Feb 01 08:28	0°♈	
evening max el	5678 Feb 07 15:43	6°♈30'33	47°07'28
asc. node	5678 Feb 16 09:14	15°♈04'44	
	5678 Mar 06 01:33	0°♉	
greatest brilliancy	5678 Mar 20 10:07	7°♉58'58	-4.9m
retrograde	5678 Mar 30 10:41	9°♉54'17	
evening set	5678 Apr 17 11:49	3°♉38'36	
inferior conj	5678 Apr 20 05:59	1°♉56'59	8°52'09
minimum elong	5678 Apr 20 10:34	1°♉49'52	8°51'50
min. Earth dist.	5678 Apr 19 23:53	2°♉06'25	0.27375 AU
morning rise	5678 Apr 23 09:25	0°♉01'35	
	5678 Apr 23 10:29	30°℞♈	
direct	5678 May 10 22:10	24°♈06'34	
greatest brilliancy	5678 May 20 09:24	25°♈47'25	-4.8m
	5678 May 29 10:15	0°♉	
desc. node	5678 Jun 08 00:57	6°♉28'25	
morning max el	5678 Jun 29 14:03	25°♉27'38	46°12'35
	5678 Jul 04 04:07	0°♊	
	5678 Aug 01 09:16	0°♋	
	5678 Aug 27 20:19	0°♌	
	5678 Sep 22 10:54	0°♍	
asc. node	5678 Sep 29 02:06	7°♍53'22	
	5678 Oct 17 11:36	0°♎	
	5678 Nov 11 01:56	0°♏	
	5678 Dec 05 08:54	0°♐	
morning set	5678 Dec 24 15:04	23°♐57'58	
	5678 Dec 29 11:06	0°♑	
desc. node	5679 Jan 18 17:36	25°♑22'03	
	5679 Jan 22 10:17	0°♒	
max. Earth dist.	5679 Jan 31 22:06	11°♒54'36	1.71318 AU
superior conj	5679 Feb 02 15:38	14°♒05'01	-0°35'08
minimum elong	5679 Feb 02 07:07	13°♒38'17	0°34'44
	5679 Feb 15 07:36	0°♓	
	5679 Mar 11 04:14	0°♈	
evening rise	5679 Mar 15 10:07	5°♈20'09	
	5679 Apr 04 01:58	0°♉	
	5679 Apr 28 03:10	0°♊	
asc. node	5679 May 11 18:50	16°♊54'15	
	5679 May 22 10:18	0°♋	
	5679 Jun 16 02:08	0°♌	
	5679 Jul 11 06:47	0°♍	
	5679 Aug 06 08:53	0°♎	
desc. node	5679 Aug 31 10:20	27°♎04'36	
	5679 Sep 03 06:54	0°♏	
evening max el	5679 Sep 13 00:31	9°♏36'18	45°38'48
	5679 Oct 07 11:04	0°♐	
greatest brilliancy	5679 Oct 22 07:22	7°♐39'32	-4.8m
retrograde	5679 Oct 31 16:44	9°♐15'00	
evening set	5679 Nov 17 10:20	3°♐56'08	
inferior conj	5679 Nov 21 18:59	1°♐17'32	-6°41'54
minimum elong	5679 Nov 22 05:06	1°♐01'52	6°39'54
min. Earth dist.	5679 Nov 22 17:25	0°♐42'46	0.28116 AU
	5679 Nov 23 21:12	30°℞♏	
morning rise	5679 Nov 26 23:25	28°♏09'51	
direct	5679 Dec 13 01:20	23°♏09'41	
asc. node	5679 Dec 22 11:38	24°♏50'39	
greatest brilliancy	5679 Dec 24 05:05	25°♏29'02	-4.8m
	5680 Jan 01 23:41	0°♐	
morning max el	5680 Feb 01 12:55	26°♐02'07	46°46'14
	5680 Feb 05 09:52	0°♑	
	5680 Mar 03 16:32	0°♒	
	5680 Mar 29 06:01	0°♓	
desc. node	5680 Apr 12 03:18	16°♓41'14	
	5680 Apr 23 02:47	0°♈	
	5680 May 17 16:13	0°♉	
	5680 Jun 11 03:05	0°♊	
	5680 Jul 05 13:39	0°♋	
	5680 Jul 30 00:18	0°♌	
asc. node	5680 Aug 03 04:15	5°♌06'44	
morning set	5680 Aug 04 21:47	7°♌14'13	
	5680 Aug 23 10:22	0°♍	
max. Earth dist.	5680 Sep 09 17:14	21°♍16'21	1.73401 AU

superior conj	5680 Sep 10 15:42	22°♍25'34	1°15'27
minimum elong	5680 Sep 10 08:06	22°♍02'10	1°15'16
	5680 Sep 16 19:14	0°♎	
	5680 Oct 11 03:06	0°♏	
evening rise	5680 Oct 16 21:43	7°♏07'30	
	5680 Nov 04 10:46	0°♐	
desc. node	5680 Nov 22 19:59	22°♐39'50	
	5680 Nov 28 18:51	0°♑	
	5680 Dec 23 03:38	0°♒	
	5681 Jan 16 13:48	0°♓	
	5681 Feb 10 04:16	0°♈	
	5681 Mar 07 06:11	0°♉	
asc. node	5681 Mar 15 20:58	10°♉03'41	
	5681 Apr 02 11:33	0°♊	
evening max el	5681 Apr 20 21:09	19°♊26'30	46°39'17
	5681 May 01 21:56	0°♋	
greatest brilliancy	5681 May 30 01:33	19°♋26'47	-4.8m
retrograde	5681 Jun 09 22:58	21°♋37'56	
evening set	5681 Jun 25 01:03	17°♋09'54	
inferior conj	5681 Jul 01 04:36	13°♋27'46	1°03'39
minimum elong	5681 Jul 01 06:58	13°♋24'03	1°02'53
min. Earth dist.	5681 Jun 30 20:47	13°♋40'00	0.28248 AU
desc. node	5681 Jul 05 12:42	10°♋48'39	
morning rise	5681 Jul 07 13:32	9°♋39'50	
direct	5681 Jul 22 10:26	5°♋24'08	
greatest brilliancy	5681 Aug 01 06:18	7°♋09'23	-4.7m
	5681 Sep 03 15:01	0°♌	
morning max el	5681 Sep 09 03:02	5°♌07'51	45°42'07
	5681 Oct 03 10:57	0°♍	
asc. node	5681 Oct 26 14:04	25°♍45'31	
	5681 Oct 30 06:40	0°♎	
	5681 Nov 24 18:36	0°♏	
	5681 Dec 19 12:41	0°♐	
	5682 Jan 12 20:24	0°♑	
	5682 Feb 05 22:14	0°♒	
desc. node	5682 Feb 15 05:22	11°♒38'13	
	5682 Mar 01 20:46	0°♓	
morning set	5682 Mar 10 03:51	10°♓25'11	
	5682 Mar 25 17:48	0°♈	
	5682 Apr 18 15:07	0°♉	
superior conj	5682 Apr 20 00:59	1°♉46'08	-1°25'25
minimum elong	5682 Apr 20 05:39	2°♉00'46	1°25'24
max. Earth dist.	5682 Apr 23 10:23	6°♉01'13	1.71536 AU
	5682 May 12 14:34	0°♊	
evening rise	5682 May 30 00:33	21°♊40'26	
	5682 Jun 05 17:39	0°♋	
asc. node	5682 Jun 08 06:39	3°♋08'52	
	5682 Jun 30 01:12	0°♌	
	5682 Jul 24 13:56	0°♍	
	5682 Aug 18 09:27	0°♎	
	5682 Sep 12 14:57	0°♏	
desc. node	5682 Sep 27 22:08	17°♏50'48	
	5682 Oct 08 12:11	0°♐	
	5682 Nov 04 13:23	0°♑	
evening max el	5682 Nov 24 10:18	20°♑27'19	46°25'40
	5682 Dec 04 13:57	0°♒	
greatest brilliancy	5683 Jan 03 11:47	20°♒15'00	-4.9m
retrograde	5683 Jan 13 05:34	22°♒01'53	
asc. node	5683 Jan 18 23:23	21°♒21'48	
evening set	5683 Jan 27 17:49	17°♒54'14	
inferior conj	5683 Feb 02 20:37	14°♒19'40	3°45'27
minimum elong	5683 Feb 02 12:34	14°♒31'59	3°43'05
min. Earth dist.	5683 Feb 02 18:04	14°♒23'34	0.26731 AU
morning rise	5683 Feb 08 07:03	11°♒06'28	
direct	5683 Feb 23 09:25	6°♒35'59	
greatest brilliancy	5683 Mar 05 10:08	8°♒29'44	-4.9m
	5683 Apr 05 02:52	0°♓	
morning max el	5683 Apr 14 19:42	9°♓23'22	46°55'15
	5683 May 04 07:47	0°♈	
desc. node	5683 May 10 15:14	6°♈59'41	
	5683 May 30 18:58	0°♉	
	5683 Jun 25 07:49	0°♊	
	5683 Jul 20 11:09	0°♋	
	5683 Aug 14 09:05	0°♌	
asc. node	5683 Aug 31 16:11	20°♌58'07	
	5683 Sep 08 02:16	0°♍	
	5683 Oct 02 14:34	0°♎	
morning set	5683 Oct 13 04:00	12°♎59'45	
	5683 Oct 26 22:29	0°♏	
max. Earth dist.	5683 Nov 16 07:32	25°♏15'09	1.72557 AU
superior conj	5683 Nov 19 00:23	28°♏36'31	1°07'36
minimum elong	5683 Nov 19 09:56	29°♏06'09	1°07'19
	5683 Nov 20 03:16	0°♐	
	5683 Dec 14 06:04	0°♑	
desc. node	5683 Dec 21 07:46	8°♑48'42	
evening rise	5683 Dec 27 16:46	16°♑45'34	
	5684 Jan 07 07:29	0°♒	
	5684 Jan 31 07:57	0°♓	
	5684 Feb 24 08:43	0°♈	
	5684 Mar 19 12:33	0°♉	
asc. node	5684 Apr 12 08:56	29°♉14'47	
	5684 Apr 12 23:49	0°♊	
	5684 May 08 01:01	0°♋	
	5684 Jun 03 04:01	0°♌	
evening max el	5684 Jun 30 13:08	28°♌49'04	45°46'47
	5684 Jul 01 18:24	0°♍	
desc. node	5684 Aug 02 00:34	24°♍35'42	
greatest brilliancy	5684 Aug 07 20:45	27°♍14'04	-4.7m
retrograde	5684 Aug 18 15:13	29°♍20'26	
evening set	5684 Sep 04 12:11	23°♍55'38	
inferior conj	5684 Sep 09 04:36	21°♍03'33	-7°28'38
minimum elong	5684 Sep 08 20:01	21°♍17'01	7°27'24
min. Earth dist.	5684 Sep 08 23:21	21°♍11'48	0.29145 AU
morning rise	5684 Sep 13 03:51	18°♍36'35	
direct	5684 Sep 30 18:14	12°♍45'30	
greatest brilliancy	5684 Oct 11 03:44	14°♍42'20	-4.7m
	5684 Nov 04 08:58	0°♎	
morning max el	5684 Nov 18 23:49	13°♎19'12	46°00'11
asc. node	5684 Nov 23 01:53	17°♎22'08	
	5684 Dec 05 04:56	0°♏	
	5684 Dec 31 21:54	0°♐	
	5685 Jan 26 04:16	0°♑	
	5685 Feb 19 18:31	0°♒	
desc. node	5685 Mar 14 17:23	28°♒22'59	
	5685 Mar 16 00:38	0°♓	
	5685 Apr 09 02:51	0°♈	
	5685 May 03 03:59	0°♉	
morning set	5685 May 24 12:24	26°♉35'43	
	5685 May 27 06:06	0°♊	
	5685 Jun 20 10:23	0°♋	
superior conj	5685 Jul 01 21:20	14°♋10'24	-0°09'21
minimum elong	5685 Jul 01 23:26	14°♋16'55	0°09'16
behind sun begin	5685 Jul 01 03:58	13°♋16'43	
behind sun end	5685 Jul 02 18:55	15°♋17'05	
max. Earth dist.	5685 Jul 04 05:23	17°♋03'35	1.72939 AU
asc. node	5685 Jul 05 18:24	18°♋57'54	
	5685 Jul 14 16:59	0°♌	
evening rise	5685 Aug 08 01:08	29°♌58'38	
	5685 Aug 08 01:34	0°♍	
	5685 Sep 01 12:10	0°♎	
	5685 Sep 26 01:32	0°♏	

	5685 Oct 20 18:59	0°♐	
desc. node	5685 Oct 25 10:06	5°♐35'25	
	5685 Nov 14 17:47	0°♑	
	5685 Dec 10 00:08	0°♒	
	5686 Jan 04 20:37	0°♓	
	5686 Feb 01 05:30	0°♈	
evening max el	5686 Feb 05 06:41	4°♈09'14	47°07'13
asc. node	5686 Feb 15 11:18	14°♈05'16	
	5686 Mar 07 04:12	0°♉	
greatest brilliancy	5686 Mar 17 23:20	5°♉33'51	-4.9m
retrograde	5686 Mar 28 01:07	7°♉29'54	
evening set	5686 Apr 15 02:49	1°♉12'14	
	5686 Apr 17 01:57	30°℞♈	
inferior conj	5686 Apr 17 19:25	29°♈32'58	8°56'53
minimum elong	5686 Apr 17 23:09	29°♈27'12	8°56'40
min. Earth dist.	5686 Apr 17 12:18	29°♈43'59	0.27344 AU
morning rise	5686 Apr 20 19:37	27°♈42'36	
direct	5686 May 08 11:52	21°♈43'16	
greatest brilliancy	5686 May 17 21:13	23°♈23'00	-4.8m
	5686 May 30 19:29	0°♉	
desc. node	5686 Jun 07 02:52	5°♉16'31	
morning max el	5686 Jun 27 04:54	23°♉10'25	46°14'05
	5686 Jul 04 01:09	0°♊	
	5686 Aug 01 00:48	0°♋	
	5686 Aug 27 09:39	0°♌	
	5686 Sep 21 23:06	0°♍	
asc. node	5686 Sep 28 04:10	7°♍23'44	
	5686 Oct 16 23:11	0°♎	
	5686 Nov 10 13:10	0°♏	
	5686 Dec 04 19:59	0°♐	
morning set	5686 Dec 22 05:02	21°♐37'27	
	5686 Dec 28 22:08	0°♑	
desc. node	5687 Jan 17 19:31	24°♑53'25	
	5687 Jan 21 21:21	0°♒	
max. Earth dist.	5687 Jan 29 05:31	9°♒12'31	1.71345 AU
superior conj	5687 Jan 31 02:43	11°♒34'21	-0°31'30
minimum elong	5687 Jan 30 19:00	11°♒10'06	0°31'08
	5687 Feb 14 18:43	0°♓	
	5687 Mar 10 15:24	0°♈	
evening rise	5687 Mar 12 20:38	2°♈47'16	
	5687 Apr 03 13:13	0°♉	
	5687 Apr 27 14:30	0°♊	
asc. node	5687 May 10 20:47	16°♊24'55	
	5687 May 21 21:53	0°♋	
	5687 Jun 15 14:11	0°♌	
	5687 Jul 10 19:46	0°♍	
	5687 Aug 05 23:48	0°♎	
desc. node	5687 Aug 30 12:23	26°♎21'05	
	5687 Sep 03 02:48	0°♏	
evening max el	5687 Sep 10 15:24	7°♏22'33	45°37'52
	5687 Oct 08 13:32	0°♐	
greatest brilliancy	5687 Oct 19 21:39	5°♐24'29	-4.8m
retrograde	5687 Oct 29 06:35	6°♐59'32	
evening set	5687 Nov 15 03:59	1°♐36'18	
	5687 Nov 17 20:02	30°℞♏	
inferior conj	5687 Nov 19 09:51	29°♏01'26	-6°54'52
minimum elong	5687 Nov 19 19:47	28°♏46'01	6°53'01
min. Earth dist.	5687 Nov 20 08:07	28°♏26'51	0.28180 AU
morning rise	5687 Nov 24 11:09	25°♏57'45	
direct	5687 Dec 10 16:45	20°♏52'54	
asc. node	5687 Dec 21 13:30	23°♏04'49	
greatest brilliancy	5687 Dec 21 20:17	23°♏11'27	-4.8m
	5688 Jan 03 02:58	0°♐	
morning max el	5688 Jan 30 02:43	23°♐39'33	46°44'49
	5688 Feb 05 06:24	0°♑	
	5688 Mar 03 08:12	0°♒	
	5688 Mar 28 19:43	0°♓	
desc. node	5688 Apr 11 05:19	16°♓07'53	
	5688 Apr 22 15:26	0°♈	
	5688 May 17 04:11	0°♉	
	5688 Jun 10 14:34	0°♊	
	5688 Jul 05 00:47	0°♋	
	5688 Jul 29 11:13	0°♌	
asc. node	5688 Aug 02 06:17	4°♌39'38	
morning set	5688 Aug 02 15:09	5°♌06'50	
	5688 Aug 22 21:09	0°♍	
max. Earth dist.	5688 Sep 07 11:53	19°♍12'57	1.73411 AU
superior conj	5688 Sep 08 09:55	20°♍20'45	1°13'54
minimum elong	5688 Sep 08 01:59	19°♍56'19	1°13'42
	5688 Sep 16 06:00	0°♎	
	5688 Oct 10 13:58	0°♏	
evening rise	5688 Oct 14 14:59	4°♏59'07	
	5688 Nov 03 21:49	0°♐	
desc. node	5688 Nov 21 21:53	22°♐10'58	
	5688 Nov 28 06:12	0°♑	
	5688 Dec 22 15:22	0°♒	
	5689 Jan 16 02:04	0°♓	
	5689 Feb 09 17:20	0°♈	
	5689 Mar 06 20:39	0°♉	
asc. node	5689 Mar 14 23:02	9°♉25'42	
	5689 Apr 02 05:08	0°♊	
evening max el	5689 Apr 18 11:11	17°♊05'51	46°41'03
	5689 May 02 02:29	0°♋	
greatest brilliancy	5689 May 27 18:48	17°♋13'28	-4.8m
retrograde	5689 Jun 07 14:06	19°♋23'10	
evening set	5689 Jun 22 17:53	14°♋53'38	
inferior conj	5689 Jun 28 19:59	11°♋13'41	1°24'43
minimum elong	5689 Jun 28 23:08	11°♋08'45	1°23'44
min. Earth dist.	5689 Jun 28 13:00	11°♋24'36	0.28210 AU
desc. node	5689 Jul 04 14:39	7°♋45'04	
morning rise	5689 Jul 05 04:56	7°♋25'29	
direct	5689 Jul 20 00:56	3°♋10'35	
greatest brilliancy	5689 Jul 29 21:35	4°♋56'12	-4.7m
	5689 Sep 03 15:42	0°♌	
morning max el	5689 Sep 06 17:09	2°♌53'00	45°42'28
	5689 Oct 03 03:11	0°♍	
asc. node	5689 Oct 25 16:04	25°♍11'47	
	5689 Oct 29 20:11	0°♎	
	5689 Nov 24 06:56	0°♏	
	5689 Dec 19 00:24	0°♐	
	5690 Jan 12 07:49	0°♑	
	5690 Feb 05 09:28	0°♒	
desc. node	5690 Feb 14 07:30	11°♒09'52	
	5690 Mar 01 07:54	0°♓	
morning set	5690 Mar 07 13:43	7°♓50'32	
	5690 Mar 25 04:50	0°♈	
superior conj	5690 Apr 17 12:28	29°♈17'18	-1°26'08
minimum elong	5690 Apr 17 16:11	29°♈28'56	1°26'07
	5690 Apr 18 02:05	0°♉	
max. Earth dist.	5690 Apr 20 16:26	3°♉15'24	1.71495 AU
	5690 May 12 01:32	0°♊	
evening rise	5690 May 27 13:45	19°♊18'19	
	5690 Jun 05 04:39	0°♋	
asc. node	5690 Jun 07 08:35	2°♋40'49	
	5690 Jun 29 12:18	0°♌	
	5690 Jul 24 01:15	0°♍	
	5690 Aug 17 21:13	0°♎	
	5690 Sep 12 03:36	0°♏	
desc. node	5690 Sep 27 00:13	17°♏17'48	
	5690 Oct 08 02:30	0°♐	
	5690 Nov 04 07:20	0°♑	

evening max el	5690 Nov 21 23:03	18°♑04'06	46°23'36
	5690 Dec 04 20:02	0°♒	
greatest brilliancy	5691 Jan 01 00:37	17°♒48'32	-4.9m
retrograde	5691 Jan 10 18:05	19°♒35'18	
asc. node	5691 Jan 18 01:30	18°♒30'02	
evening set	5691 Jan 25 04:53	15°♒29'02	
inferior conj	5691 Jan 31 09:08	11°♒52'57	3°22'51
minimum elong	5691 Jan 31 01:45	12°♒04'12	3°20'38
min. Earth dist.	5691 Jan 31 07:47	11°♒55'00	0.26743 AU
morning rise	5691 Feb 05 22:19	8°♒36'16	
direct	5691 Feb 20 22:01	4°♒08'37	
greatest brilliancy	5691 Mar 03 00:37	6°♒04'22	-4.9m
	5691 Apr 05 06:01	0°♓	
morning max el	5691 Apr 12 09:25	6°♓59'26	46°56'04
	5691 May 04 01:18	0°♈	
desc. node	5691 May 09 17:13	6°♈18'46	
	5691 May 30 09:20	0°♉	
	5691 Jun 24 20:41	0°♊	
	5691 Jul 19 23:07	0°♋	
	5691 Aug 13 20:28	0°♌	
asc. node	5691 Aug 30 18:16	20°♌30'46	
	5691 Sep 07 13:15	0°♍	
	5691 Oct 02 01:19	0°♎	
morning set	5691 Oct 10 21:22	10°♎52'20	
	5691 Oct 26 09:10	0°♏	
max. Earth dist.	5691 Nov 14 03:08	23°♏13'46	1.72600 AU
superior conj	5691 Nov 16 16:27	26°♏24'04	1°09'37
minimum elong	5691 Nov 17 01:44	26°♏52'55	1°09'23
	5691 Nov 19 13:59	0°♐	
	5691 Dec 13 16:55	0°♑	
desc. node	5691 Dec 20 09:47	8°♑21'04	
evening rise	5691 Dec 25 06:25	14°♑24'30	
	5692 Jan 06 18:29	0°♒	
	5692 Jan 30 19:08	0°♓	
	5692 Feb 23 20:09	0°♈	
	5692 Mar 19 00:21	0°♉	
asc. node	5692 Apr 11 10:53	28°♉43'15	
	5692 Apr 12 12:11	0°♊	
	5692 May 07 14:27	0°♋	
	5692 Jun 02 19:46	0°♌	
evening max el	5692 Jun 28 05:21	26°♌38'30	45°48'12
	5692 Jul 01 17:11	0°♍	
desc. node	5692 Aug 01 02:43	23°♍09'38	
greatest brilliancy	5692 Aug 05 11:23	25°♍03'19	-4.7m
retrograde	5692 Aug 16 08:09	27°♍11'28	
evening set	5692 Sep 02 01:21	21°♍50'59	
inferior conj	5692 Sep 06 20:53	18°♍54'17	-7°18'35
minimum elong	5692 Sep 06 11:56	19°♍08'18	7°17'12
min. Earth dist.	5692 Sep 06 14:19	19°♍04'34	0.29135 AU
morning rise	5692 Sep 10 22:35	16°♍23'51	
direct	5692 Sep 28 10:52	10°♍36'35	
greatest brilliancy	5692 Oct 08 18:37	12°♍32'18	-4.7m
	5692 Nov 04 14:17	0°♎	
morning max el	5692 Nov 16 16:02	11°♎08'44	45°58'54
asc. node	5692 Nov 22 03:46	16°♎36'15	
	5692 Dec 04 22:02	0°♏	
	5692 Dec 31 11:51	0°♐	
	5693 Jan 25 16:53	0°♑	
	5693 Feb 19 06:26	0°♒	
desc. node	5693 Mar 13 19:24	27°♒53'28	
	5693 Mar 15 12:09	0°♓	
	5693 Apr 08 14:05	0°♈	
	5693 May 02 15:00	0°♉	
morning set	5693 May 22 02:12	24°♉15'33	
	5693 May 26 16:56	0°♊	
	5693 Jun 19 21:04	0°♋	
superior conj	5693 Jun 29 12:49	11°♋56'59	-0°12'47
minimum elong	5693 Jun 29 15:42	12°♋05'54	0°12'40
behind sun begin	5693 Jun 29 01:04	11°♋20'39	
behind sun end	5693 Jun 30 06:20	12°♋51'08	
max. Earth dist.	5693 Jul 02 01:30	15°♋04'32	1.72901 AU
asc. node	5693 Jul 04 20:27	18°♋31'23	
	5693 Jul 14 03:36	0°♌	
evening rise	5693 Aug 05 18:52	27°♌52'50	
	5693 Aug 07 12:14	0°♍	
	5693 Aug 31 22:59	0°♎	
	5693 Sep 25 12:39	0°♏	
	5693 Oct 20 06:33	0°♐	
desc. node	5693 Oct 24 12:03	5°♐06'02	
	5693 Nov 14 06:06	0°♑	
	5693 Dec 09 13:40	0°♒	
	5694 Jan 04 12:25	0°♓	
	5694 Feb 01 02:55	0°♈	
evening max el	5694 Feb 02 21:32	1°♈48'30	47°06'40
asc. node	5694 Feb 14 13:19	13°♈05'12	
	5694 Mar 08 17:43	0°♉	
greatest brilliancy	5694 Mar 15 12:48	3°♉09'22	-4.9m
retrograde	5694 Mar 25 15:02	5°♉05'20	
	5694 Apr 10 15:47	30°℞♈	
evening set	5694 Apr 12 17:14	28°♈46'38	
inferior conj	5694 Apr 15 08:41	27°♈09'00	9°00'43
minimum elong	5694 Apr 15 11:31	27°♈04'37	9°00'36
min. Earth dist.	5694 Apr 15 00:44	27°♈21'18	0.27313 AU
morning rise	5694 Apr 18 05:56	25°♈23'00	
direct	5694 May 06 01:25	19°♈20'05	
greatest brilliancy	5694 May 15 09:07	20°♈58'37	-4.8m
	5694 May 31 19:09	0°♉	
desc. node	5694 Jun 06 04:52	4°♉07'11	
morning max el	5694 Jun 24 18:42	20°♉50'58	46°15'37
	5694 Jul 03 21:15	0°♊	
	5694 Jul 31 15:50	0°♋	
	5694 Aug 26 22:34	0°♌	
	5694 Sep 21 10:56	0°♍	
asc. node	5694 Sep 27 06:04	6°♍54'39	
	5694 Oct 16 10:26	0°♎	
	5694 Nov 10 00:06	0°♏	
	5694 Dec 04 06:44	0°♐	
morning set	5694 Dec 19 19:21	19°♐19'06	
	5694 Dec 28 08:49	0°♑	
desc. node	5695 Jan 16 21:40	24°♑26'40	
	5695 Jan 21 08:02	0°♒	
max. Earth dist.	5695 Jan 26 12:22	6°♒29'51	1.71372 AU
superior conj	5695 Jan 28 14:18	9°♒06'28	-0°27'51
minimum elong	5695 Jan 28 07:24	8°♒44'50	0°27'30
	5695 Feb 14 05:27	0°♓	
evening rise	5695 Mar 10 07:24	0°♈16'20	
	5695 Mar 10 02:12	0°♈	
	5695 Apr 03 00:06	0°♉	
	5695 Apr 27 01:33	0°♊	
asc. node	5695 May 09 22:44	15°♊56'24	
	5695 May 21 09:12	0°♋	
	5695 Jun 15 02:00	0°♌	
	5695 Jul 10 08:33	0°♍	
	5695 Aug 05 14:36	0°♎	
desc. node	5695 Aug 29 14:24	25°♎37'47	
	5695 Sep 02 22:59	0°♏	
evening max el	5695 Sep 08 05:18	5°♏07'22	45°37'02
	5695 Oct 10 02:26	0°♐	
greatest brilliancy	5695 Oct 17 12:13	3°♐10'42	-4.7m
retrograde	5695 Oct 26 20:18	4°♐45'17	
	5695 Nov 11 15:52	30°℞♏	
evening set	5695 Nov 12 21:33	29°♏17'30	

inferior conj	5695 Nov 17 00:44	26°♏46'27	-7°07'11
minimum elong	5695 Nov 17 10:24	26°♏31'25	7°05'29
min. Earth dist.	5695 Nov 17 23:05	26°♏11'42	0.28243 AU
morning rise	5695 Nov 21 22:47	23°♏47'01	
direct	5695 Dec 08 07:41	18°♏36'59	
greatest brilliancy	5695 Dec 19 12:02	20°♏55'34	-4.8m
asc. node	5695 Dec 20 15:37	21°♏23'58	
	5696 Jan 03 22:24	0°♐	
morning max el	5696 Jan 27 16:17	21°♐17'25	46°43'41
	5696 Feb 05 01:55	0°♑	
	5696 Mar 02 23:12	0°♒	
	5696 Mar 28 08:53	0°♓	
desc. node	5696 Apr 10 07:17	15°♓35'53	
	5696 Apr 22 03:36	0°♈	
	5696 May 16 15:44	0°♉	
	5696 Jun 10 01:41	0°♊	
	5696 Jul 04 11:37	0°♋	
	5696 Jul 28 21:50	0°♌	
morning set	5696 Jul 31 08:15	2°♌59'25	
asc. node	5696 Aug 01 08:23	4°♌13'32	
	5696 Aug 22 07:39	0°♍	
max. Earth dist.	5696 Sep 05 06:02	17°♍08'52	1.73419 AU
superior conj	5696 Sep 06 03:55	18°♍16'15	1°12'15
minimum elong	5696 Sep 05 19:40	17°♍50'51	1°12'01
	5696 Sep 15 16:28	0°♎	
	5696 Oct 10 00:32	0°♏	
evening rise	5696 Oct 12 08:13	2°♏51'38	
	5696 Nov 03 08:35	0°♐	
desc. node	5696 Nov 20 23:54	21°♐43'20	
	5696 Nov 27 17:17	0°♑	
	5696 Dec 22 02:52	0°♒	
	5697 Jan 15 14:06	0°♓	
	5697 Feb 09 06:08	0°♈	
	5697 Mar 06 10:52	0°♉	
asc. node	5697 Mar 14 01:01	8°♉48'22	
	5697 Apr 01 22:37	0°♊	
evening max el	5697 Apr 16 00:40	14°♊45'07	46°42'51
	5697 May 02 08:24	0°♋	
greatest brilliancy	5697 May 25 11:42	15°♋00'59	-4.8m
retrograde	5697 Jun 05 05:34	17°♋09'55	
evening set	5697 Jun 20 10:55	12°♋38'14	
inferior conj	5697 Jun 26 11:28	9°♋00'49	1°45'43
minimum elong	5697 Jun 26 15:22	8°♋54'42	1°44'30
min. Earth dist.	5697 Jun 26 05:16	9°♋10'29	0.28178 AU
morning rise	5697 Jul 02 20:17	5°♋12'44	
desc. node	5697 Jul 03 16:48	4°♋45'30	
direct	5697 Jul 17 15:21	0°♋57'58	
greatest brilliancy	5697 Jul 27 13:15	2°♋44'26	-4.7m
	5697 Sep 03 14:55	0°♌	
morning max el	5697 Sep 04 08:07	0°♌40'55	45°42'50
	5697 Oct 02 18:51	0°♍	
asc. node	5697 Oct 24 18:03	24°♍38'56	
	5697 Oct 29 09:20	0°♎	
	5697 Nov 23 18:55	0°♏	
	5697 Dec 18 11:50	0°♐	
	5698 Jan 11 18:58	0°♑	
	5698 Feb 04 20:28	0°♒	
desc. node	5698 Feb 13 09:28	10°♒41'44	
greatest brilliancy	5698 Feb 21 11:34	20°♒50'09	-3.9m
	5698 Feb 28 18:47	0°♓	
morning set	5698 Mar 04 23:43	5°♓17'02	
	5698 Mar 24 15:37	0°♈	
superior conj	5698 Apr 15 00:10	26°♈49'50	-1°26'40
minimum elong	5698 Apr 15 02:52	26°♈58'19	1°26'40
	5698 Apr 17 12:48	0°♉	
max. Earth dist.	5698 Apr 17 22:11	0°♉29'27	1.71454 AU
	5698 May 11 12:13	0°♊	
evening rise	5698 May 25 03:14	16°♊58'00	
	5698 Jun 04 15:21	0°♋	
asc. node	5698 Jun 06 10:41	2°♋14'12	
	5698 Jun 28 23:06	0°♌	
	5698 Jul 23 12:20	0°♍	
	5698 Aug 17 08:49	0°♎	
	5698 Sep 11 16:08	0°♏	
desc. node	5698 Sep 26 02:07	16°♏44'43	
	5698 Oct 07 16:49	0°♐	
	5698 Nov 04 01:32	0°♑	
evening max el	5698 Nov 19 12:41	15°♑43'52	46°21'39
	5698 Dec 05 04:11	0°♒	
greatest brilliancy	5698 Dec 29 13:04	15°♒22'31	-4.9m
retrograde	5699 Jan 08 07:04	17°♒09'27	
asc. node	5699 Jan 17 03:32	15°♒33'34	
evening set	5699 Jan 22 16:19	13°♒04'18	
inferior conj	5699 Jan 28 21:40	9°♒26'48	2°59'55
minimum elong	5699 Jan 28 15:02	9°♒36'56	2°57'53
min. Earth dist.	5699 Jan 28 21:17	9°♒27'23	0.26758 AU
morning rise	5699 Feb 03 13:29	6°♒06'53	
direct	5699 Feb 18 11:13	1°♒41'55	
greatest brilliancy	5699 Feb 28 14:40	3°♒38'58	-4.9m
	5699 Apr 05 07:33	0°♓	
morning max el	5699 Apr 10 00:04	4°♓38'17	46°56'53
	5699 May 03 18:18	0°♈	
desc. node	5699 May 08 19:12	5°♈38'48	
	5699 May 29 23:24	0°♉	
	5699 Jun 24 09:16	0°♊	
	5699 Jul 19 10:50	0°♋	
	5699 Aug 13 07:37	0°♌	
asc. node	5699 Aug 29 20:09	20°♌03'21	
	5699 Sep 07 00:05	0°♍	
	5699 Oct 01 11:59	0°♎	
morning set	5699 Oct 08 14:50	8°♎45'29	
	5699 Oct 25 19:47	0°♏	
max. Earth dist.	5699 Nov 11 21:16	21°♏08'04	1.72641 AU
superior conj	5699 Nov 14 08:33	24°♏11'57	1°11'33
minimum elong	5699 Nov 14 17:32	24°♏39'50	1°11'19
	5699 Nov 19 00:40	0°♐	
	5699 Dec 13 03:42	0°♑	
desc. node	5699 Dec 19 11:51	7°♑53'46	
evening rise	5699 Dec 22 20:00	12°♑03'27	
	5700 Jan 06 05:26	0°♒	
	5700 Jan 30 06:18	0°♓	
	5700 Feb 23 07:37	0°♈	
	5700 Mar 19 12:11	0°♉	
asc. node	5700 Apr 11 12:52	28°♉11'38	
	5700 Apr 13 00:37	0°♊	
	5700 May 08 03:58	0°♋	
	5700 Jun 03 11:43	0°♌	
evening max el	5700 Jun 26 22:09	24°♌29'36	45°49'42
	5700 Jul 02 16:50	0°♍	
desc. node	5700 Aug 01 04:39	21°♍41'08	
greatest brilliancy	5700 Aug 04 02:43	22°♍54'03	-4.7m
retrograde	5700 Aug 15 01:02	25°♍03'13	
evening set	5700 Aug 31 14:52	19°♍47'13	
min. Earth dist.	5700 Sep 05 05:37	16°♍58'02	0.29122 AU
inferior conj	5700 Sep 05 13:22	16°♍45'52	-7°08'02
minimum elong	5700 Sep 05 04:09	17°♍00'19	7°06'31
morning rise	5700 Sep 09 17:35	14°♍11'44	
direct	5700 Sep 27 03:52	8°♍28'39	
greatest brilliancy	5700 Oct 07 09:19	10°♍22'31	-4.7m
	5700 Nov 05 17:42	0°♎	
morning max el	5700 Nov 15 08:01	8°♎57'47	45°57'27

asc. node	5700 Nov 22 05:53	15°♎51'32		
	5700 Dec 05 14:53	0°♏		
	5701 Jan 01 01:47	0°♐		
	5701 Jan 26 05:32	0°♑		
	5701 Feb 19 18:25	0°♒		
desc. node	5701 Mar 13 21:20	27°♒23'25		
	5701 Mar 15 23:43	0°♓		
	5701 Apr 09 01:24	0°♈		
	5701 May 03 02:07	0°♉		
morning set	5701 May 20 15:57	21°♉54'46		
	5701 May 27 03:53	0°♊		
	5701 Jun 20 07:53	0°♋		
superior conj	5701 Jun 28 04:26	9°♋43'25	-0°16'12	
minimum elong	5701 Jun 28 08:04	9°♋54'41	0°16'02	
max. Earth dist.	5701 Jun 30 21:53	13°♋05'48	1.72855 AU	
asc. node	5701 Jul 04 22:31	18°♋04'27		
	5701 Jul 14 14:21	0°♌		
evening rise	5701 Aug 04 12:48	25°♌47'18		
	5701 Aug 07 23:00	0°♍		
	5701 Sep 01 09:54	0°♎		
	5701 Sep 25 23:53	0°♏		
	5701 Oct 20 18:19	0°♐		
desc. node	5701 Oct 24 14:04	4°♐36'23		
	5701 Nov 14 18:40	0°♑		
	5701 Dec 10 03:34	0°♒		
	5702 Jan 05 04:47	0°♓		
evening max el	5702 Feb 01 11:48	29°♓25'20	47°06'03	
	5702 Feb 02 01:31	0°♈		
asc. node	5702 Feb 14 15:16	12°♈02'43		
	5702 Mar 12 05:30	0°♉		
greatest brilliancy	5702 Mar 14 02:50	0°♉44'41	-4.9m	
retrograde	5702 Mar 24 04:25	2°♉39'48		
	5702 Apr 04 14:11	30°℞♈		
evening set	5702 Apr 11 07:11	26°♈21'00		
inferior conj	5702 Apr 13 21:58	24°♈44'14	9°03'36	
minimum elong	5702 Apr 13 23:52	24°♈41'17	9°03'31	
min. Earth dist.	5702 Apr 13 13:31	24°♈57'20	0.27282 AU	
morning rise	5702 Apr 16 16:41	23°♈01'52		
direct	5702 May 04 14:28	16°♈56'02		
greatest brilliancy	5702 May 13 21:29	18°♈33'43	-4.8m	
	5702 Jun 02 13:03	0°♉		
desc. node	5702 Jun 06 07:01	2°♉59'16		
morning max el	5702 Jun 23 07:44	18°♉28'35	46°17'14	
	5702 Jul 04 17:03	0°♊		
	5702 Aug 01 06:56	0°♋		
	5702 Aug 27 11:39	0°♌		
	5702 Sep 21 22:57	0°♍		
asc. node	5702 Sep 27 08:07	6°♍25'24		
	5702 Oct 16 21:52	0°♎		
	5702 Nov 10 11:14	0°♏		
	5702 Dec 04 17:45	0°♐		
morning set	5702 Dec 18 09:44	17°♐00'02		
	5702 Dec 28 19:49	0°♑		
desc. node	5703 Jan 16 23:38	23°♑58'13		
	5703 Jan 21 19:05	0°♒		
max. Earth dist.	5703 Jan 24 18:19	3°♒43'19	1.71406 AU	
superior conj	5703 Jan 27 01:42	6°♒37'01	-0°24'08	
minimum elong	5703 Jan 26 19:40	6°♒18'07	0°23'49	
	5703 Feb 14 16:33	0°♓		
evening rise	5703 Mar 08 17:50	27°♓43'11		
	5703 Mar 10 13:23	0°♈		
	5703 Apr 03 11:21	0°♉		
	5703 Apr 27 12:57	0°♊		
asc. node	5703 May 10 00:51	15°♊27'17		
	5703 May 21 20:54	0°♋		
	5703 Jun 15 14:15	0°♌		
	5703 Jul 10 21:49	0°♍		
	5703 Aug 06 05:59	0°♎		
desc. node	5703 Aug 29 16:23	24°♎53'00		
	5703 Sep 03 20:11	0°♏		
evening max el	5703 Sep 06 19:00	2°♏51'01	45°36'29	
	5703 Oct 13 12:23	0°♐		
greatest brilliancy	5703 Oct 16 02:38	0°♐56'43	-4.7m	
retrograde	5703 Oct 25 10:32	2°♐31'32		
	5703 Nov 05 19:27	30°℞♏		
evening set	5703 Nov 11 15:19	26°♏58'58		
inferior conj	5703 Nov 15 15:56	24°♏31'47	-7°18'37	
minimum elong	5703 Nov 16 01:17	24°♏17'14	7°17'04	
min. Earth dist.	5703 Nov 16 14:15	23°♏57'04	0.28307 AU	
morning rise	5703 Nov 20 10:47	21°♏36'49		
direct	5703 Dec 06 22:45	16°♏21'15		
greatest brilliancy	5703 Dec 18 04:17	18°♏40'24	-4.8m	
asc. node	5703 Dec 20 17:39	19°♏46'35		
	5704 Jan 05 13:04	0°♐		
morning max el	5704 Jan 26 06:39	18°♐56'34	46°42'15	
	5704 Feb 05 21:14	0°♑		
	5704 Mar 03 14:28	0°♒		
	5704 Mar 28 22:25	0°♓		
desc. node	5704 Apr 10 09:21	15°♓02'50		
	5704 Apr 22 16:10	0°♈		
	5704 May 17 03:41	0°♉		
	5704 Jun 10 13:12	0°♊		
	5704 Jul 04 22:49	0°♋		
	5704 Jul 29 08:51	0°♌		
morning set	5704 Jul 30 01:10	0°♌50'08		
asc. node	5704 Aug 01 10:15	3°♌45'31		
	5704 Aug 22 18:33	0°♍		
max. Earth dist.	5704 Sep 04 01:00	15°♍06'05	1.73424 AU	
superior conj	5704 Sep 04 21:57	16°♍10'34	1°10'29	
minimum elong	5704 Sep 04 13:25	15°♍44'18	1°10'14	
	5704 Sep 16 03:20	0°♎		
	5704 Oct 10 11:27	0°♏		
evening rise	5704 Oct 11 01:44	0°♏44'01		
	5704 Nov 03 19:41	0°♐		
desc. node	5704 Nov 21 02:01	21°♐15'00		
	5704 Nov 28 04:42	0°♑		
	5704 Dec 22 14:42	0°♒		
	5705 Jan 16 02:31	0°♓		
	5705 Feb 09 19:27	0°♈		
	5705 Mar 07 01:48	0°♉		
asc. node	5705 Mar 14 03:00	8°♉09'07		
	5705 Apr 02 17:12	0°♊		
evening max el	5705 Apr 14 14:31	12°♊23'26	46°44'41	
	5705 May 03 17:48	0°♋		
greatest brilliancy	5705 May 24 03:48	12°♋45'07	-4.8m	
retrograde	5705 Jun 03 21:08	14°♋53'58		
evening set	5705 Jun 19 03:44	10°♋19'46		
inferior conj	5705 Jun 25 02:34	6°♋45'08	2°06'49	
minimum elong	5705 Jun 25 07:13	6°♋37'52	2°05'23	
min. Earth dist.	5705 Jun 24 20:56	6°♋53'55	0.28145 AU	
morning rise	5705 Jul 01 11:07	2°♋57'42		
desc. node	5705 Jul 03 18:43	1°♋46'37		
	5705 Jul 08 04:41	30°℞♊		
direct	5705 Jul 16 05:35	28°♊42'32		
	5705 Jul 24 15:03	0°♋		
greatest brilliancy	5705 Jul 26 04:14	0°♋29'48	-4.7m	
morning max el	5705 Sep 02 23:44	28°♋28'52	45°43'21	
	5705 Sep 04 13:45	0°♌		
	5705 Oct 03 10:45	0°♍		
asc. node	5705 Oct 24 20:05	24°♍05'16		
	5705 Oct 29 22:47	0°♎		

	5705 Nov 24 07:13	0°♏	
	5705 Dec 18 23:33	0°♐	
	5706 Jan 12 06:23	0°♑	
	5706 Feb 05 07:44	0°♒	
desc. node	5706 Feb 13 11:25	10°♒12'41	
	5706 Mar 01 05:57	0°♓	
greatest brilliancy	5706 Mar 01 11:20	0°♓16'54	-3.9m
morning set	5706 Mar 03 09:50	2°♓42'55	
	5706 Mar 25 02:45	0°♈	
superior conj	5706 Apr 13 11:25	24°♈19'39	-1°27'02
minimum elong	5706 Apr 13 13:03	24°♈24'48	1°27'03
max. Earth dist.	5706 Apr 16 04:26	27°♈43'39	1.71422 AU
	5706 Apr 17 23:54	0°♉	
	5706 May 11 23:19	0°♊	
evening rise	5706 May 23 16:04	14°♊34'16	
	5706 Jun 05 02:29	0°♋	
asc. node	5706 Jun 06 12:40	1°♋45'49	
	5706 Jun 29 10:20	0°♌	
	5706 Jul 23 23:50	0°♍	
	5706 Aug 17 20:51	0°♎	
	5706 Sep 12 05:10	0°♏	
desc. node	5706 Sep 26 04:12	16°♏10'47	
	5706 Oct 08 07:42	0°♐	
	5706 Nov 04 20:34	0°♑	
evening max el	5706 Nov 18 03:27	13°♑25'50	46°19'51
	5706 Dec 06 15:33	0°♒	
greatest brilliancy	5706 Dec 28 01:39	12°♒56'42	-4.9m
retrograde	5707 Jan 06 20:15	14°♒43'37	
asc. node	5707 Jan 17 05:25	12°♒32'20	
evening set	5707 Jan 21 04:16	10°♒39'37	
inferior conj	5707 Jan 27 10:24	7°♒00'50	2°36'45
minimum elong	5707 Jan 27 04:33	7°♒09'45	2°34'56
min. Earth dist.	5707 Jan 27 10:50	7°♒00'11	0.26772 AU
morning rise	5707 Feb 02 04:37	3°♒37'49	
	5707 Feb 11 01:39	30°℞♑	
direct	5707 Feb 17 00:57	29°♑15'43	
	5707 Feb 23 03:59	0°♒	
greatest brilliancy	5707 Feb 27 04:27	1°♒13'16	-4.9m
	5707 Apr 06 07:57	0°♓	
morning max el	5707 Apr 08 14:33	2°♓16'20	46°57'17
	5707 May 04 11:11	0°♈	
desc. node	5707 May 08 21:18	4°♈58'51	
	5707 May 30 13:37	0°♉	
	5707 Jun 24 22:08	0°♊	
	5707 Jul 19 22:51	0°♋	
	5707 Aug 13 19:05	0°♌	
asc. node	5707 Aug 29 22:13	19°♌35'31	
	5707 Sep 07 11:11	0°♍	
	5707 Oct 01 22:53	0°♎	
morning set	5707 Oct 07 08:00	6°♎37'05	
	5707 Oct 26 06:39	0°♏	
max. Earth dist.	5707 Nov 10 13:26	18°♏55'38	1.72679 AU
superior conj	5707 Nov 13 00:38	21°♏59'10	1°13'22
minimum elong	5707 Nov 13 09:14	22°♏25'52	1°13'09
	5707 Nov 19 11:35	0°♐	
	5707 Dec 13 14:42	0°♑	
desc. node	5707 Dec 19 13:48	7°♑25'25	
evening rise	5707 Dec 21 09:41	9°♑42'07	
	5708 Jan 06 16:34	0°♒	
	5708 Jan 30 17:37	0°♓	
	5708 Feb 23 19:10	0°♈	
	5708 Mar 19 00:07	0°♉	
asc. node	5708 Apr 10 14:58	27°♉40'07	
	5708 Apr 12 13:11	0°♊	
	5708 May 07 17:44	0°♋	
	5708 Jun 03 04:10	0°♌	
evening max el	5708 Jun 24 14:37	22°♌18'56	45°51'01
	5708 Jul 02 18:04	0°♍	
desc. node	5708 Jul 31 06:38	20°♍08'22	
greatest brilliancy	5708 Aug 01 18:34	20°♍44'04	-4.7m
retrograde	5708 Aug 12 17:18	22°♍53'22	
evening set	5708 Aug 29 04:10	17°♍42'07	
inferior conj	5708 Sep 03 05:38	14°♍36'09	-6°56'41
minimum elong	5708 Sep 02 20:11	14°♍50'59	6°55'03
min. Earth dist.	5708 Sep 02 21:07	14°♍49'32	0.29106 AU
morning rise	5708 Sep 07 12:23	11°♍58'05	
direct	5708 Sep 24 20:21	6°♍19'31	
greatest brilliancy	5708 Oct 05 00:04	8°♍11'42	-4.7m
	5708 Nov 05 19:50	0°♎	
morning max el	5708 Nov 12 22:52	6°♎43'36	45°56'04
asc. node	5708 Nov 21 07:55	15°♎06'50	
	5708 Dec 05 07:32	0°♏	
	5708 Dec 31 15:40	0°♐	
	5709 Jan 25 18:10	0°♑	
	5709 Feb 19 06:22	0°♒	
desc. node	5709 Mar 12 23:25	26°♒53'57	
	5709 Mar 15 11:15	0°♓	
	5709 Apr 08 12:38	0°♈	
	5709 May 02 13:08	0°♉	
morning set	5709 May 18 05:51	19°♉34'41	
	5709 May 26 14:45	0°♊	
	5709 Jun 19 18:38	0°♋	
superior conj	5709 Jun 25 19:59	7°♋29'49	-0°19'35
minimum elong	5709 Jun 26 00:22	7°♋43'23	0°19'24
max. Earth dist.	5709 Jun 28 17:37	11°♋05'13	1.72814 AU
asc. node	5709 Jul 04 00:26	17°♋37'11	
	5709 Jul 14 01:04	0°♌	
evening rise	5709 Aug 02 06:24	23°♌40'40	
	5709 Aug 07 09:47	0°♍	
	5709 Aug 31 20:51	0°♎	
	5709 Sep 25 11:09	0°♏	
	5709 Oct 20 06:06	0°♐	
desc. node	5709 Oct 23 16:08	4°♐06'49	
	5709 Nov 14 07:18	0°♑	
	5709 Dec 09 17:35	0°♒	
	5710 Jan 04 21:24	0°♓	
evening max el	5710 Jan 30 01:10	27°♓00'09	47°05'25
	5710 Feb 02 00:59	0°♈	
asc. node	5710 Feb 13 17:21	10°♈59'20	
greatest brilliancy	5710 Mar 11 17:25	28°♈20'58	-4.9m
	5710 Mar 18 04:49	0°♉	
retrograde	5710 Mar 21 17:32	0°♉14'51	
	5710 Mar 25 04:55	30°℞♈	
evening set	5710 Apr 08 20:36	23°♈56'53	
inferior conj	5710 Apr 11 11:17	22°♈20'13	9°05'23
minimum elong	5710 Apr 11 12:14	22°♈18'45	9°05'22
min. Earth dist.	5710 Apr 11 02:41	22°♈33'34	0.27247 AU
morning rise	5710 Apr 14 03:58	20°♈40'47	
direct	5710 May 02 02:54	14°♈32'36	
greatest brilliancy	5710 May 11 10:26	16°♈10'14	-4.9m
	5710 Jun 03 01:59	0°♉	
desc. node	5710 Jun 05 08:55	1°♉53'36	
morning max el	5710 Jun 20 20:20	16°♉05'50	46°18'54
	5710 Jul 04 11:56	0°♊	
	5710 Jul 31 21:34	0°♋	
	5710 Aug 27 00:26	0°♌	
	5710 Sep 21 10:46	0°♍	
asc. node	5710 Sep 26 10:10	5°♍56'38	
	5710 Oct 16 09:08	0°♎	
	5710 Nov 09 22:12	0°♏	
	5710 Dec 04 04:34	0°♐	

morning set	5710 Dec 15 23:57	14°♐41'06	
	5710 Dec 28 06:37	0°♑	
desc. node	5711 Jan 16 01:34	23°♑30'20	
	5711 Jan 21 05:55	0°♒	
max. Earth dist.	5711 Jan 22 02:39	1°♒05'00	1.71443 AU
superior conj	5711 Jan 24 13:02	4°♒08'03	-0°20'21
minimum elong	5711 Jan 24 07:55	3°♒52'00	0°20'05
	5711 Feb 14 03:27	0°♓	
evening rise	5711 Mar 06 04:21	25°♓11'03	
	5711 Mar 10 00:20	0°♈	
	5711 Apr 02 22:23	0°♉	
	5711 Apr 27 00:06	0°♊	
asc. node	5711 May 09 02:48	14°♊58'36	
	5711 May 21 08:18	0°♋	
	5711 Jun 15 02:11	0°♌	
	5711 Jul 10 10:46	0°♍	
	5711 Aug 05 21:12	0°♎	
desc. node	5711 Aug 28 18:27	24°♎08'35	
	5711 Sep 03 17:52	0°♏	
evening max el	5711 Sep 04 08:51	0°♏35'53	45°35'51
greatest brilliancy	5711 Oct 13 16:21	28°♏42'27	-4.7m
	5711 Oct 19 00:58	0°♐	
retrograde	5711 Oct 23 01:06	0°♐18'15	
	5711 Oct 26 23:26	30°℞♏	
evening set	5711 Nov 09 08:51	24°♏40'47	
inferior conj	5711 Nov 13 07:00	22°♏17'25	-7°29'15
minimum elong	5711 Nov 13 15:59	22°♏03'26	7°27'52
min. Earth dist.	5711 Nov 14 05:03	21°♏43'07	0.28373 AU
morning rise	5711 Nov 17 22:39	19°♏27'10	
direct	5711 Dec 04 14:02	14°♏05'47	
greatest brilliancy	5711 Dec 15 20:19	16°♏25'40	-4.8m
asc. node	5711 Dec 19 19:32	18°♏12'57	
	5712 Jan 05 23:43	0°♐	
morning max el	5712 Jan 23 21:50	16°♐38'39	46°40'54
	5712 Feb 05 15:45	0°♑	
	5712 Mar 03 05:12	0°♒	
	5712 Mar 28 11:30	0°♓	
desc. node	5712 Apr 09 11:21	14°♓30'47	
	5712 Apr 22 04:20	0°♈	
	5712 May 16 15:14	0°♉	
	5712 Jun 10 00:19	0°♊	
	5712 Jul 04 09:37	0°♋	
morning set	5712 Jul 27 18:23	28°♋43'05	
	5712 Jul 28 19:25	0°♌	
asc. node	5712 Jul 31 12:20	3°♌19'29	
	5712 Aug 22 05:00	0°♍	
max. Earth dist.	5712 Sep 01 22:30	13°♍12'22	1.73432 AU
superior conj	5712 Sep 02 16:10	14°♍06'44	1°08'37
minimum elong	5712 Sep 02 07:24	13°♍39'47	1°08'22
	5712 Sep 15 13:48	0°♎	
evening rise	5712 Oct 08 19:27	28°♎38'08	
	5712 Oct 09 22:01	0°♏	
	5712 Nov 03 06:30	0°♐	
desc. node	5712 Nov 20 03:55	20°♐46'56	
	5712 Nov 27 15:50	0°♑	
	5712 Dec 22 02:16	0°♒	
	5713 Jan 15 14:40	0°♓	
	5713 Feb 09 08:31	0°♈	
	5713 Mar 06 16:31	0°♉	
asc. node	5713 Mar 13 05:04	7°♉30'56	
	5713 Apr 02 11:50	0°♊	
evening max el	5713 Apr 12 05:26	10°♊05'35	46°46'31
	5713 May 04 05:47	0°♋	
greatest brilliancy	5713 May 21 19:35	10°♋30'07	-4.8m
retrograde	5713 Jun 01 13:10	12°♋39'16	
evening set	5713 Jun 16 20:47	8°♋02'26	
inferior conj	5713 Jun 22 17:41	4°♋30'41	2°27'43
minimum elong	5713 Jun 22 23:04	4°♋22'19	2°26'05
min. Earth dist.	5713 Jun 22 12:19	4°♋39'03	0.28108 AU
morning rise	5713 Jun 29 01:48	0°♋44'19	
	5713 Jun 30 11:38	30°℞♊	
desc. node	5713 Jul 02 20:42	28°♊53'09	
direct	5713 Jul 13 20:19	26°♊28'31	
greatest brilliancy	5713 Jul 23 18:38	28°♊16'01	-4.7m
	5713 Jul 28 01:16	0°♋	
morning max el	5713 Aug 31 16:04	26°♋20'12	45°43'55
	5713 Sep 04 11:02	0°♌	
	5713 Oct 03 01:49	0°♍	
asc. node	5713 Oct 23 22:05	23°♍33'09	
	5713 Oct 29 11:37	0°♎	
	5713 Nov 23 19:02	0°♏	
	5713 Dec 18 10:53	0°♐	
	5714 Jan 11 17:29	0°♑	
	5714 Feb 04 18:41	0°♒	
desc. node	5714 Feb 12 13:33	9°♒45'10	
morning set	5714 Feb 28 19:49	0°♓09'29	
	5714 Feb 28 16:48	0°♓	
	5714 Mar 24 13:31	0°♈	
superior conj	5714 Apr 10 22:26	21°♈49'49	-1°27'13
minimum elong	5714 Apr 10 23:01	21°♈51'38	1°27'15
max. Earth dist.	5714 Apr 13 13:38	25°♈08'14	1.71389 AU
	5714 Apr 17 10:38	0°♉	
	5714 May 11 10:02	0°♊	
evening rise	5714 May 21 04:50	12°♊11'22	
	5714 Jun 04 13:14	0°♋	
asc. node	5714 Jun 05 14:37	1°♋18'33	
	5714 Jun 28 21:12	0°♌	
	5714 Jul 23 10:57	0°♍	
	5714 Aug 17 08:29	0°♎	
	5714 Sep 11 17:47	0°♏	
desc. node	5714 Sep 25 06:14	15°♏38'04	
	5714 Oct 07 22:16	0°♐	
	5714 Nov 04 15:39	0°♑	
evening max el	5714 Nov 15 18:24	11°♑09'30	46°17'42
	5714 Dec 07 06:12	0°♒	
greatest brilliancy	5714 Dec 25 14:25	10°♒31'56	-4.8m
retrograde	5715 Jan 04 08:54	12°♒18'04	
asc. node	5715 Jan 16 07:32	9°♒26'05	
evening set	5715 Jan 18 16:20	8°♒15'12	
inferior conj	5715 Jan 24 22:59	4°♒35'18	2°13'10
minimum elong	5715 Jan 24 17:58	4°♒42'59	2°11'36
min. Earth dist.	5715 Jan 25 00:30	4°♒33'00	0.26792 AU
morning rise	5715 Jan 30 19:24	1°♒09'09	
	5715 Feb 02 01:18	30°℞♑	
direct	5715 Feb 14 14:27	26°♑49'56	
greatest brilliancy	5715 Feb 24 18:24	28°♑47'54	-4.9m
	5715 Feb 27 16:02	0°♒	
morning max el	5715 Apr 06 04:09	29°♒52'39	46°57'45
	5715 Apr 06 07:04	0°♓	
	5715 May 04 03:30	0°♈	
desc. node	5715 May 07 23:15	4°♈19'41	
	5715 May 30 03:23	0°♉	
	5715 Jun 24 10:34	0°♊	
	5715 Jul 19 10:29	0°♋	
	5715 Aug 13 06:10	0°♌	
asc. node	5715 Aug 29 00:16	19°♌08'43	
	5715 Sep 06 21:54	0°♍	
	5715 Oct 01 09:26	0°♎	
morning set	5715 Oct 05 01:36	4°♎31'10	
	5715 Oct 25 17:08	0°♏	
max. Earth dist.	5715 Nov 08 05:07	16°♏42'56	1.72719 AU

superior conj	5715 Nov 10 17:16	19°♏49'22	1°15'01
minimum elong	5715 Nov 11 01:27	20°♏14'44	1°14'51
	5715 Nov 18 22:07	0°♐	
	5715 Dec 13 01:23	0°♑	
evening rise	5715 Dec 18 23:45	7°♑23'00	
desc. node	5715 Dec 18 15:49	6°♑58'18	
	5716 Jan 06 03:26	0°♒	
	5716 Jan 30 04:44	0°♓	
	5716 Feb 23 06:35	0°♈	
	5716 Mar 18 11:56	0°♉	
asc. node	5716 Apr 09 16:53	27°♉08'26	
	5716 Apr 12 01:39	0°♊	
	5716 May 07 07:25	0°♋	
	5716 Jun 02 20:41	0°♌	
evening max el	5716 Jun 22 06:22	20°♌07'05	45°52'30
	5716 Jul 02 20:22	0°♍	
desc. node	5716 Jul 30 08:45	18°♍33'28	
greatest brilliancy	5716 Jul 30 10:58	18°♍35'34	-4.7m
retrograde	5716 Aug 10 09:15	20°♍44'42	
evening set	5716 Aug 26 17:40	15°♍38'02	
inferior conj	5716 Aug 31 22:04	12°♍27'44	-6°44'50
minimum elong	5716 Aug 31 12:25	12°♍42'55	6°43'06
min. Earth dist.	5716 Aug 31 13:07	12°♍41'49	0.29085 AU
morning rise	5716 Sep 05 07:19	9°♍45'42	
direct	5716 Sep 22 12:28	4°♍11'36	
greatest brilliancy	5716 Oct 02 15:34	6°♍02'44	-4.7m
	5716 Nov 05 20:11	0°♎	
morning max el	5716 Nov 10 13:11	4°♎29'09	45°54'54
asc. node	5716 Nov 20 09:48	14°♎23'25	
	5716 Dec 04 23:31	0°♏	
	5716 Dec 31 05:05	0°♐	
	5717 Jan 25 06:28	0°♑	
	5717 Feb 18 18:05	0°♒	
desc. node	5717 Mar 12 01:25	26°♒24'38	
	5717 Mar 14 22:39	0°♓	
	5717 Apr 07 23:49	0°♈	
	5717 May 02 00:07	0°♉	
morning set	5717 May 15 19:06	17°♉12'37	
	5717 May 26 01:33	0°♊	
	5717 Jun 19 05:19	0°♋	
superior conj	5717 Jun 23 11:06	5°♋15'07	-0°22'58
minimum elong	5717 Jun 23 16:14	5°♋30'58	0°22'46
max. Earth dist.	5717 Jun 26 11:32	8°♋59'12	1.72766 AU
asc. node	5717 Jul 03 02:29	17°♋10'35	
	5717 Jul 13 11:42	0°♌	
evening rise	5717 Jul 30 23:46	21°♌33'40	
	5717 Aug 06 20:28	0°♍	
	5717 Aug 31 07:42	0°♎	
	5717 Sep 24 22:19	0°♏	
	5717 Oct 19 17:47	0°♐	
desc. node	5717 Oct 22 18:03	3°♐37'10	
	5717 Nov 13 19:50	0°♑	
	5717 Dec 09 07:32	0°♒	
	5718 Jan 04 14:08	0°♓	
evening max el	5718 Jan 27 13:46	24°♓33'29	47°04'33
	5718 Feb 02 01:25	0°♈	
asc. node	5718 Feb 12 19:20	9°♈54'21	
greatest brilliancy	5718 Mar 09 07:37	25°♈56'27	-4.9m
retrograde	5718 Mar 19 06:22	27°♈49'33	
evening set	5718 Apr 06 09:10	21°♈33'01	
min. Earth dist.	5718 Apr 08 15:50	20°♈08'58	0.27221 AU
inferior conj	5718 Apr 09 00:27	19°♈55'36	9°06'05
minimum elong	5718 Apr 09 00:24	19°♈55'40	9°06'05
morning rise	5718 Apr 11 15:44	18°♈18'17	
direct	5718 Apr 29 15:09	12°♈08'05	
greatest brilliancy	5718 May 08 23:49	13°♈46'28	-4.9m
	5718 Jun 03 11:53	0°♉	
desc. node	5718 Jun 04 10:56	0°♉49'15	
morning max el	5718 Jun 18 09:18	13°♉43'12	46°20'39
	5718 Jul 04 06:31	0°♊	
	5718 Jul 31 12:09	0°♋	
	5718 Aug 26 13:12	0°♌	
	5718 Sep 20 22:34	0°♍	
asc. node	5718 Sep 25 12:04	5°♍27'24	
	5718 Oct 15 20:24	0°♎	
	5718 Nov 09 09:10	0°♏	
	5718 Dec 03 15:24	0°♐	
morning set	5718 Dec 13 14:46	12°♐24'05	
	5718 Dec 27 17:24	0°♑	
desc. node	5719 Jan 15 03:42	23°♑03'08	
max. Earth dist.	5719 Jan 19 14:38	28°♑38'12	1.71478 AU
	5719 Jan 20 16:44	0°♒	
superior conj	5719 Jan 22 01:01	1°♒41'11	-0°16'36
minimum elong	5719 Jan 21 20:49	1°♒28'02	0°16'22
	5719 Feb 13 14:20	0°♓	
evening rise	5719 Mar 03 15:28	22°♓40'51	
	5719 Mar 09 11:18	0°♈	
	5719 Apr 02 09:28	0°♉	
	5719 Apr 26 11:23	0°♊	
asc. node	5719 May 08 04:45	14°♊29'23	
	5719 May 20 19:56	0°♋	
	5719 Jun 14 14:23	0°♌	
	5719 Jul 10 00:05	0°♍	
	5719 Aug 05 12:55	0°♎	
desc. node	5719 Aug 27 20:27	23°♎22'46	
evening max el	5719 Sep 01 23:26	28°♎22'06	45°35'30
	5719 Sep 03 16:41	0°♏	
greatest brilliancy	5719 Oct 11 05:30	26°♏27'32	-4.7m
retrograde	5719 Oct 20 16:11	28°♏04'54	
evening set	5719 Nov 07 02:24	22°♏22'39	
inferior conj	5719 Nov 10 22:07	20°♏02'51	-7°39'10
minimum elong	5719 Nov 11 06:42	19°♏49'32	7°37'56
min. Earth dist.	5719 Nov 11 19:30	19°♏29'40	0.28436 AU
morning rise	5719 Nov 15 10:36	17°♏17'28	
direct	5719 Dec 02 05:57	11°♏50'20	
greatest brilliancy	5719 Dec 13 11:54	14°♏10'20	-4.8m
asc. node	5719 Dec 18 21:40	16°♏42'37	
	5720 Jan 06 07:39	0°♐	
morning max el	5720 Jan 21 13:50	14°♐22'45	46°39'36
	5720 Feb 05 09:55	0°♑	
	5720 Mar 02 19:51	0°♒	
	5720 Mar 28 00:36	0°♓	
desc. node	5720 Apr 08 13:18	13°♓58'24	
	5720 Apr 21 16:33	0°♈	
	5720 May 16 02:54	0°♉	
	5720 Jun 09 11:38	0°♊	
	5720 Jul 03 20:41	0°♋	
morning set	5720 Jul 25 11:12	26°♋33'45	
	5720 Jul 28 06:18	0°♌	
asc. node	5720 Jul 30 14:22	2°♌52'21	
	5720 Aug 21 15:46	0°♍	
superior conj	5720 Aug 31 09:54	12°♍00'31	1°06'40
minimum elong	5720 Aug 31 00:59	11°♍33'02	1°06'23
max. Earth dist.	5720 Aug 30 20:25	11°♍18'59	1.73435 AU
	5720 Sep 15 00:32	0°♎	
evening rise	5720 Oct 06 12:54	26°♎30'39	
	5720 Oct 09 08:52	0°♏	
	5720 Nov 02 17:34	0°♐	
desc. node	5720 Nov 19 05:56	20°♐18'29	
	5720 Nov 27 03:15	0°♑	
	5720 Dec 21 14:07	0°♒	

	5721 Jan 15 03:07	0°♓	
	5721 Feb 08 21:53	0°♈	
	5721 Mar 06 07:37	0°♉	
asc. node	5721 Mar 12 07:02	6°♉51'36	
	5721 Apr 02 07:08	0°♊	
evening max el	5721 Apr 09 21:05	7°♊49'06	46°48'14
	5721 May 04 22:10	0°♋	
greatest brilliancy	5721 May 19 11:09	8°♋14'21	-4.8m
retrograde	5721 May 30 05:13	10°♋23'38	
evening set	5721 Jun 14 13:59	5°♋44'11	
inferior conj	5721 Jun 20 08:47	2°♋15'15	2°48'25
minimum elong	5721 Jun 20 14:51	2°♋05'48	2°46'36
min. Earth dist.	5721 Jun 20 03:28	2°♋23'31	0.28078 AU
	5721 Jun 24 01:07	30°℞♊	
morning rise	5721 Jun 26 16:16	28°♊30'06	
desc. node	5721 Jul 01 22:50	26°♊02'57	
direct	5721 Jul 11 11:34	24°♊13'36	
greatest brilliancy	5721 Jul 21 08:42	26°♊00'38	-4.8m
	5721 Jul 30 00:16	0°♋	
morning max el	5721 Aug 29 08:18	24°♋10'01	45°44'19
	5721 Sep 04 08:03	0°♌	
	5721 Oct 02 17:07	0°♍	
asc. node	5721 Oct 23 00:03	22°♍59'49	
	5721 Oct 29 00:46	0°♎	
	5721 Nov 23 07:11	0°♏	
	5721 Dec 17 22:31	0°♐	
	5722 Jan 11 04:52	0°♑	
	5722 Feb 04 05:55	0°♒	
desc. node	5722 Feb 11 15:28	9°♒16'04	
morning set	5722 Feb 26 06:00	27°♒35'46	
	5722 Feb 28 03:56	0°♓	
	5722 Mar 24 00:35	0°♈	
superior conj	5722 Apr 08 09:39	19°♈19'39	-1°27'15
minimum elong	5722 Apr 08 09:09	19°♈18'05	1°27'15
max. Earth dist.	5722 Apr 11 00:31	22°♈37'04	1.71353 AU
	5722 Apr 16 21:39	0°♉	
	5722 May 10 21:02	0°♊	
evening rise	5722 May 18 17:41	9°♊47'51	
	5722 Jun 04 00:16	0°♋	
asc. node	5722 Jun 04 16:42	0°♋50'53	
	5722 Jun 28 08:22	0°♌	
	5722 Jul 22 22:26	0°♍	
	5722 Aug 16 20:35	0°♎	
	5722 Sep 11 06:58	0°♏	
desc. node	5722 Sep 24 08:09	15°♏03'25	
	5722 Oct 07 13:31	0°♐	
	5722 Nov 04 11:50	0°♑	
evening max el	5722 Nov 13 08:38	8°♑50'17	46°15'40
	5722 Dec 08 02:33	0°♒	
greatest brilliancy	5722 Dec 23 03:49	8°♒07'01	-4.8m
retrograde	5723 Jan 01 21:03	9°♒51'43	
asc. node	5723 Jan 15 09:32	6°♒14'40	
evening set	5723 Jan 16 04:44	5°♒49'42	
inferior conj	5723 Jan 22 11:41	2°♒09'09	1°49'33
minimum elong	5723 Jan 22 07:31	2°♒15'32	1°48'14
min. Earth dist.	5723 Jan 22 14:34	2°♒04'44	0.26812 AU
	5723 Jan 26 01:18	30°℞♑	
morning rise	5723 Jan 28 10:02	28°♑39'55	
direct	5723 Feb 12 03:35	24°♑23'23	
greatest brilliancy	5723 Feb 22 08:54	26°♑22'16	-4.9m
	5723 Mar 01 22:30	0°♒	
morning max el	5723 Apr 03 16:50	27°♒25'33	46°58'11
	5723 Apr 06 05:37	0°♓	
	5723 May 03 19:52	0°♈	
desc. node	5723 May 07 01:15	3°♈40'04	
	5723 May 29 17:20	0°♉	
	5723 Jun 23 23:14	0°♊	
	5723 Jul 18 22:21	0°♋	
	5723 Aug 12 17:32	0°♌	
asc. node	5723 Aug 28 02:10	18°♌40'28	
	5723 Sep 06 08:59	0°♍	
	5723 Sep 30 20:22	0°♎	
morning set	5723 Oct 02 18:58	2°♎23'20	
	5723 Oct 25 04:03	0°♏	
max. Earth dist.	5723 Nov 05 19:35	14°♏25'14	1.72761 AU
superior conj	5723 Nov 08 09:45	17°♏37'51	1°16'34
minimum elong	5723 Nov 08 17:29	18°♏01'48	1°16'26
	5723 Nov 18 09:05	0°♐	
	5723 Dec 12 12:27	0°♑	
evening rise	5723 Dec 16 13:37	5°♑02'13	
desc. node	5723 Dec 17 17:54	6°♑30'13	
	5724 Jan 05 14:40	0°♒	
	5724 Jan 29 16:12	0°♓	
	5724 Feb 22 18:22	0°♈	
	5724 Mar 18 00:07	0°♉	
asc. node	5724 Apr 08 18:52	26°♉35'49	
	5724 Apr 11 14:30	0°♊	
	5724 May 06 21:35	0°♋	
	5724 Jun 02 13:52	0°♌	
evening max el	5724 Jun 19 21:15	17°♌52'12	45°54'03
	5724 Jul 03 00:41	0°♍	
greatest brilliancy	5724 Jul 28 03:15	16°♍26'05	-4.7m
desc. node	5724 Jul 29 10:40	16°♍54'14	
retrograde	5724 Aug 08 01:09	18°♍35'31	
evening set	5724 Aug 24 07:16	13°♍32'56	
min. Earth dist.	5724 Aug 29 05:20	10°♍33'09	0.29067 AU
inferior conj	5724 Aug 29 14:32	10°♍18'40	-6°32'27
minimum elong	5724 Aug 29 04:46	10°♍34'03	6°30'35
morning rise	5724 Sep 03 02:21	7°♍32'41	
direct	5724 Sep 20 04:17	2°♍02'47	
greatest brilliancy	5724 Sep 30 07:44	3°♍53'41	-4.7m
	5724 Nov 05 19:52	0°♎	
morning max el	5724 Nov 08 03:32	2°♎13'41	45°53'40
asc. node	5724 Nov 19 11:56	13°♎39'59	
	5724 Dec 04 15:41	0°♏	
	5724 Dec 30 18:50	0°♐	
	5725 Jan 24 19:05	0°♑	
	5725 Feb 18 06:06	0°♒	
desc. node	5725 Mar 11 03:23	25°♒54'21	
	5725 Mar 14 10:18	0°♓	
	5725 Apr 07 11:13	0°♈	
	5725 May 01 11:20	0°♉	
morning set	5725 May 13 08:13	14°♉49'09	
	5725 May 25 12:37	0°♊	
	5725 Jun 18 16:16	0°♋	
superior conj	5725 Jun 21 02:18	2°♋59'45	-0°26'21
minimum elong	5725 Jun 21 08:09	3°♋17'49	0°26'05
max. Earth dist.	5725 Jun 24 03:28	6°♋46'12	1.72717 AU
asc. node	5725 Jul 02 04:32	16°♋43'10	
	5725 Jul 12 22:36	0°♌	
evening rise	5725 Jul 28 17:18	19°♌26'22	
	5725 Aug 06 07:24	0°♍	
	5725 Aug 30 18:48	0°♎	
	5725 Sep 24 09:46	0°♏	
	5725 Oct 19 05:48	0°♐	
desc. node	5725 Oct 21 20:08	3°♐07'03	
	5725 Nov 13 08:47	0°♑	
	5725 Dec 08 22:02	0°♒	
	5726 Jan 04 07:37	0°♓	
evening max el	5726 Jan 25 02:29	22°♓06'12	47°03'51
	5726 Feb 02 03:33	0°♈	

asc. node	5726 Feb 11 21:17	8°♈46'31	
greatest brilliancy	5726 Mar 06 21:12	23°♈30'16	-4.9m
retrograde	5726 Mar 16 19:30	25°♈23'33	
evening set	5726 Apr 03 21:09	19°♈08'55	
min. Earth dist.	5726 Apr 06 04:36	17°♈43'55	0.27192 AU
inferior conj	5726 Apr 06 13:35	17°♈30'03	9°05'52
minimum elong	5726 Apr 06 12:33	17°♈31'37	9°05'50
morning rise	5726 Apr 09 04:03	15°♈54'11	
direct	5726 Apr 27 03:33	9°♈42'40	
greatest brilliancy	5726 May 06 12:49	11°♈21'45	-4.9m
desc. node	5726 Jun 03 13:05	29°♈46'21	
	5726 Jun 03 19:18	0°♉	
morning max el	5726 Jun 15 23:07	11°♉22'09	46°22'23
	5726 Jul 04 00:47	0°♊	
	5726 Jul 31 02:42	0°♋	
	5726 Aug 26 02:02	0°♌	
	5726 Sep 20 10:28	0°♍	
asc. node	5726 Sep 24 14:08	4°♍58'20	
	5726 Oct 15 07:45	0°♎	
	5726 Nov 08 20:14	0°♏	
	5726 Dec 03 02:22	0°♐	
morning set	5726 Dec 11 05:36	10°♐06'43	
	5726 Dec 27 04:23	0°♑	
desc. node	5727 Jan 14 05:40	22°♑34'44	
max. Earth dist.	5727 Jan 17 02:52	26°♑11'31	1.71516 AU
superior conj	5727 Jan 19 12:41	29°♑12'42	-0°12'47
minimum elong	5727 Jan 19 09:27	29°♑02'33	0°12'36
behind sun begin	5727 Jan 18 17:08	28°♑11'26	
behind sun end	5727 Jan 20 01:46	29°♑53'41	
	5727 Jan 20 03:47	0°♒	
	5727 Feb 13 01:26	0°♓	
evening rise	5727 Mar 01 02:10	20°♓08'45	
	5727 Mar 08 22:27	0°♈	
	5727 Apr 01 20:42	0°♉	
	5727 Apr 25 22:47	0°♊	
asc. node	5727 May 07 06:52	14°♊00'23	
	5727 May 20 07:40	0°♋	
	5727 Jun 14 02:43	0°♌	
	5727 Jul 09 13:34	0°♍	
	5727 Aug 05 04:56	0°♎	
desc. node	5727 Aug 26 22:27	22°♎36'12	
evening max el	5727 Aug 30 14:58	26°♎10'41	45°35'12
	5727 Sep 03 16:31	0°♏	
greatest brilliancy	5727 Oct 08 18:30	24°♏13'02	-4.7m
retrograde	5727 Oct 18 07:33	25°♏51'59	
evening set	5727 Nov 04 19:58	20°♏05'25	
inferior conj	5727 Nov 08 13:22	17°♏48'50	-7°48'18
minimum elong	5727 Nov 08 21:28	17°♏36'15	7°47'13
min. Earth dist.	5727 Nov 09 09:38	17°♏17'22	0.28497 AU
morning rise	5727 Nov 12 22:40	15°♏08'12	
direct	5727 Nov 29 22:17	9°♏35'45	
greatest brilliancy	5727 Dec 11 02:49	11°♏54'45	-4.8m
asc. node	5727 Dec 17 23:38	15°♏15'28	
	5728 Jan 06 13:13	0°♐	
morning max el	5728 Jan 19 05:53	12°♐07'05	46°38'00
	5728 Feb 05 03:43	0°♑	
	5728 Mar 02 10:26	0°♒	
	5728 Mar 27 13:43	0°♓	
desc. node	5728 Apr 07 15:23	13°♓26'10	
	5728 Apr 21 04:48	0°♈	
	5728 May 15 14:35	0°♉	
	5728 Jun 08 22:55	0°♊	
	5728 Jul 03 07:41	0°♋	
morning set	5728 Jul 23 04:04	24°♋24'50	
	5728 Jul 27 17:06	0°♌	
asc. node	5728 Jul 29 16:16	2°♌25'02	
	5728 Aug 21 02:27	0°♍	
superior conj	5728 Aug 29 03:49	9°♍55'02	1°04'37
minimum elong	5728 Aug 28 18:46	9°♍27'10	1°04'18
max. Earth dist.	5728 Aug 28 18:39	9°♍26'49	1.73434 AU
	5728 Sep 14 11:12	0°♎	
evening rise	5728 Oct 04 06:40	24°♎24'25	
	5728 Oct 08 19:38	0°♏	
	5728 Nov 02 04:33	0°♐	
desc. node	5728 Nov 18 08:03	19°♐50'42	
	5728 Nov 26 14:32	0°♑	
	5728 Dec 21 01:51	0°♒	
	5729 Jan 14 15:30	0°♓	
	5729 Feb 08 11:17	0°♈	
	5729 Mar 05 22:55	0°♉	
asc. node	5729 Mar 11 09:01	6°♉11'59	
	5729 Apr 02 03:04	0°♊	
evening max el	5729 Apr 07 12:59	5°♊33'01	46°49'52
	5729 May 05 20:27	0°♋	
greatest brilliancy	5729 May 17 03:12	5°♋58'54	-4.8m
retrograde	5729 May 27 20:59	8°♋07'31	
evening set	5729 Jun 12 07:17	3°♋25'39	
inferior conj	5729 Jun 17 23:47	29°♊59'38	3°09'03
minimum elong	5729 Jun 18 06:31	29°♊49'09	3°07'04
	5729 Jun 17 23:33	30°℞♊	
min. Earth dist.	5729 Jun 17 18:35	0°♋07'44	0.28041 AU
morning rise	5729 Jun 24 06:21	26°♊15'51	
desc. node	5729 Jul 01 00:45	23°♊17'21	
direct	5729 Jul 09 02:44	21°♊58'48	
greatest brilliancy	5729 Jul 18 22:27	23°♊44'57	-4.8m
	5729 Jul 31 07:46	0°♋	
morning max el	5729 Aug 26 23:36	21°♋58'07	45°44'48
	5729 Sep 04 04:07	0°♌	
	5729 Oct 02 07:57	0°♍	
asc. node	5729 Oct 22 02:07	22°♍27'38	
	5729 Oct 28 13:35	0°♎	
	5729 Nov 22 19:02	0°♏	
	5729 Dec 17 09:53	0°♐	
	5730 Jan 10 15:57	0°♑	
	5730 Feb 03 16:52	0°♒	
desc. node	5730 Feb 10 17:28	8°♒48'03	
morning set	5730 Feb 23 16:24	25°♒03'32	
	5730 Feb 27 14:48	0°♓	
	5730 Mar 23 11:26	0°♈	
superior conj	5730 Apr 05 20:41	16°♈49'32	-1°27'05
minimum elong	5730 Apr 05 19:05	16°♈44'30	1°27'05
max. Earth dist.	5730 Apr 08 09:29	20°♈00'29	1.71324 AU
	5730 Apr 16 08:29	0°♉	
	5730 May 10 07:52	0°♊	
evening rise	5730 May 16 06:00	7°♊23'00	
	5730 Jun 03 11:07	0°♋	
asc. node	5730 Jun 03 18:40	0°♋23'20	
	5730 Jun 27 19:21	0°♌	
	5730 Jul 22 09:43	0°♍	
	5730 Aug 16 08:28	0°♎	
	5730 Sep 10 19:57	0°♏	
desc. node	5730 Sep 23 10:15	14°♏29'59	
	5730 Oct 07 04:39	0°♐	
	5730 Nov 04 08:14	0°♑	
evening max el	5730 Nov 10 22:13	6°♑30'40	46°13'40
	5730 Dec 09 05:17	0°♒	
greatest brilliancy	5730 Dec 20 17:52	5°♒44'37	-4.8m
retrograde	5730 Dec 30 09:06	7°♒27'41	
evening set	5731 Jan 13 17:37	3°♒25'56	
asc. node	5731 Jan 14 11:26	3°♒01'56	
	5731 Jan 19 15:05	30°℞♑	

inferior conj	5731 Jan 20 00:40	29°♑45'19	1°25'52
minimum elong	5731 Jan 19 21:23	29°♑50'21	1°24'49
min. Earth dist.	5731 Jan 20 05:11	29°♑38'25	0.26834 AU
morning rise	5731 Jan 26 00:46	26°♑13'16	
direct	5731 Feb 09 16:32	21°♑58'57	
greatest brilliancy	5731 Feb 20 00:07	23°♑59'26	-4.9m
	5731 Mar 03 09:07	0°♒	
morning max el	5731 Apr 01 05:02	24°♒58'31	46°58'29
	5731 Apr 06 02:48	0°♓	
	5731 May 03 11:34	0°♈	
desc. node	5731 May 06 03:21	3°♈02'12	
	5731 May 29 06:50	0°♉	
	5731 Jun 23 11:32	0°♊	
	5731 Jul 18 09:54	0°♋	
	5731 Aug 12 04:34	0°♌	
asc. node	5731 Aug 27 04:15	18°♌13'47	
	5731 Sep 05 19:42	0°♍	
	5731 Sep 30 06:56	0°♎	
morning set	5731 Sep 30 12:20	0°♎16'36	
	5731 Oct 24 14:34	0°♏	
max. Earth dist.	5731 Nov 03 12:17	12°♏15'40	1.72803 AU
superior conj	5731 Nov 06 02:25	15°♏28'10	1°18'01
minimum elong	5731 Nov 06 09:39	15°♏50'35	1°17'53
	5731 Nov 17 19:39	0°♐	
	5731 Dec 11 23:09	0°♑	
evening rise	5731 Dec 14 03:50	2°♑43'49	
desc. node	5731 Dec 16 19:49	6°♑02'48	
	5732 Jan 05 01:33	0°♒	
	5732 Jan 29 03:17	0°♓	
	5732 Feb 22 05:43	0°♈	
	5732 Mar 17 11:53	0°♉	
asc. node	5732 Apr 07 20:59	26°♉04'51	
	5732 Apr 11 02:59	0°♊	
	5732 May 06 11:27	0°♋	
	5732 Jun 02 07:01	0°♌	
evening max el	5732 Jun 17 11:48	15°♌37'22	45°55'34
	5732 Jul 03 06:37	0°♍	
greatest brilliancy	5732 Jul 25 19:12	14°♍16'50	-4.7m
desc. node	5732 Jul 28 12:41	15°♍12'12	
retrograde	5732 Aug 05 17:22	16°♍27'12	
evening set	5732 Aug 21 20:52	11°♍28'18	
inferior conj	5732 Aug 27 06:57	8°♍10'21	-6°19'21
minimum elong	5732 Aug 26 21:06	8°♍25'50	6°17'23
min. Earth dist.	5732 Aug 26 21:28	8°♍25'16	0.29048 AU
morning rise	5732 Aug 31 21:25	5°♍20'36	
	5732 Sep 15 16:40	30°℞♌	
direct	5732 Sep 17 19:56	29°♌54'40	
	5732 Sep 19 23:48	0°♍	
greatest brilliancy	5732 Sep 28 00:05	1°♍45'57	-4.7m
	5732 Nov 05 18:04	0°♎	
morning max el	5732 Nov 05 18:22	0°♎00'44	45°52'36
asc. node	5732 Nov 18 13:56	12°♎58'02	
	5732 Dec 04 07:07	0°♏	
	5732 Dec 30 08:00	0°♐	
	5733 Jan 24 07:14	0°♑	
	5733 Feb 17 17:41	0°♒	
desc. node	5733 Mar 10 05:27	25°♒25'42	
	5733 Mar 13 21:32	0°♓	
	5733 Apr 06 22:11	0°♈	
	5733 Apr 30 22:06	0°♉	
morning set	5733 May 10 21:29	12°♉27'28	
	5733 May 24 23:13	0°♊	
	5733 Jun 18 02:47	0°♋	
superior conj	5733 Jun 18 17:35	0°♋45'50	-0°29'39
minimum elong	5733 Jun 19 00:06	1°♋06'01	0°29'22
max. Earth dist.	5733 Jun 21 18:57	4°♋33'01	1.72674 AU
asc. node	5733 Jul 01 06:26	16°♋16'36	
	5733 Jul 12 09:07	0°♌	
evening rise	5733 Jul 26 10:47	17°♌20'08	
	5733 Aug 05 17:59	0°♍	
	5733 Aug 30 05:34	0°♎	
	5733 Sep 23 20:51	0°♏	
	5733 Oct 18 17:29	0°♐	
desc. node	5733 Oct 20 22:10	2°♐37'58	
	5733 Nov 12 21:25	0°♑	
	5733 Dec 08 12:17	0°♒	
	5734 Jan 04 01:03	0°♓	
evening max el	5734 Jan 22 16:00	19°♓42'13	47°03'03
	5734 Feb 02 06:43	0°♈	
asc. node	5734 Feb 10 23:23	7°♈38'15	
greatest brilliancy	5734 Mar 04 10:14	21°♈04'35	-4.9m
retrograde	5734 Mar 14 09:14	22°♈58'41	
evening set	5734 Apr 01 08:31	16°♈46'41	
min. Earth dist.	5734 Apr 03 17:03	15°♈20'18	0.27161 AU
inferior conj	5734 Apr 04 02:40	15°♈05'27	9°04'30
minimum elong	5734 Apr 04 00:42	15°♈08'30	9°04'27
morning rise	5734 Apr 06 16:58	13°♈30'06	
direct	5734 Apr 24 16:25	7°♈18'23	
greatest brilliancy	5734 May 04 01:14	8°♈57'34	-4.9m
desc. node	5734 Jun 02 14:57	28°♈45'39	
	5734 Jun 03 23:57	0°♉	
morning max el	5734 Jun 13 13:36	9°♉04'01	46°24'09
	5734 Jul 03 18:08	0°♊	
	5734 Jul 30 16:41	0°♋	
	5734 Aug 25 14:27	0°♌	
	5734 Sep 19 22:00	0°♍	
asc. node	5734 Sep 23 16:10	4°♍30'06	
	5734 Oct 14 18:48	0°♎	
	5734 Nov 08 07:01	0°♏	
	5734 Dec 02 13:02	0°♐	
morning set	5734 Dec 08 20:36	7°♐50'55	
	5734 Dec 26 15:03	0°♑	
desc. node	5735 Jan 13 07:37	22°♑07'20	
max. Earth dist.	5735 Jan 14 15:31	23°♑47'12	1.71553 AU
superior conj	5735 Jan 17 00:29	26°♑45'40	-0°08'58
minimum elong	5735 Jan 16 22:13	26°♑38'34	0°08'50
behind sun begin	5735 Jan 16 00:37	25°♑30'55	
behind sun end	5735 Jan 17 19:49	27°♑46'14	
	5735 Jan 19 14:30	0°♒	
	5735 Feb 12 12:15	0°♓	
evening rise	5735 Feb 26 13:00	17°♓37'52	
	5735 Mar 08 09:20	0°♈	
	5735 Apr 01 07:42	0°♉	
	5735 Apr 25 09:58	0°♊	
asc. node	5735 May 06 08:48	13°♊31'38	
	5735 May 19 19:10	0°♋	
	5735 Jun 13 14:48	0°♌	
	5735 Jul 09 02:49	0°♍	
	5735 Aug 04 20:54	0°♎	
desc. node	5735 Aug 26 00:31	21°♎49'47	
evening max el	5735 Aug 28 06:53	24°♎00'53	45°34'46
	5735 Sep 03 17:14	0°♏	
greatest brilliancy	5735 Oct 06 08:05	21°♏59'56	-4.7m
retrograde	5735 Oct 15 22:44	23°♏39'41	
evening set	5735 Nov 02 13:32	17°♏49'22	
inferior conj	5735 Nov 06 04:43	15°♏35'43	-7°56'42
minimum elong	5735 Nov 06 12:18	15°♏23'54	7°55'46
min. Earth dist.	5735 Nov 06 23:53	15°♏05'54	0.28554 AU
morning rise	5735 Nov 10 10:50	12°♏59'36	
direct	5735 Nov 27 14:42	7°♏22'14	
greatest brilliancy	5735 Dec 08 17:28	9°♏39'33	-4.8m

asc. node	5735 Dec 17 01:33	13°♏51'39		
	5736 Jan 06 16:40	0°♐		
morning max el	5736 Jan 16 21:19	9°♐50'37	46°36'22	
	5736 Feb 04 20:54	0°♑		
	5736 Mar 02 00:38	0°♒		
	5736 Mar 27 02:31	0°♓		
desc. node	5736 Apr 06 17:23	12°♓54'22		
	5736 Apr 20 16:49	0°♈		
	5736 May 15 02:05	0°♉		
	5736 Jun 08 10:03	0°♊		
	5736 Jul 02 18:32	0°♋		
morning set	5736 Jul 20 21:08	22°♋16'53		
	5736 Jul 27 03:44	0°♌		
asc. node	5736 Jul 28 18:21	1°♌58'45		
	5736 Aug 20 12:59	0°♍		
superior conj	5736 Aug 26 21:53	7°♍50'27	1°02'28	
minimum elong	5736 Aug 26 12:45	7°♍22'22	1°02'09	
max. Earth dist.	5736 Aug 26 16:34	7°♍34'07	1.73431 AU	
	5736 Sep 13 21:45	0°♎		
evening rise	5736 Oct 02 00:32	22°♎18'46		
	5736 Oct 08 06:19	0°♏		
	5736 Nov 01 15:29	0°♐		
desc. node	5736 Nov 17 09:56	19°♐22'19		
	5736 Nov 26 01:50	0°♑		
	5736 Dec 20 13:36	0°♒		
	5737 Jan 14 03:55	0°♓		
	5737 Feb 08 00:46	0°♈		
	5737 Mar 05 14:25	0°♉		
asc. node	5737 Mar 10 11:06	5°♉32'15		
	5737 Apr 01 23:40	0°♊		
evening max el	5737 Apr 05 04:03	3°♊14'34	46°51'19	
	5737 May 07 03:39	0°♋		
greatest brilliancy	5737 May 14 19:42	3°♋43'29	-4.8m	
retrograde	5737 May 25 12:06	5°♋50'36		
evening set	5737 Jun 10 00:34	1°♋06'17		
	5737 Jun 11 22:00	30°℞♊		
inferior conj	5737 Jun 15 14:38	27°♊43'25	3°29'30	
minimum elong	5737 Jun 15 21:59	27°♊31'56	3°27'21	
min. Earth dist.	5737 Jun 15 09:50	27°♊50'53	0.28005 AU	
morning rise	5737 Jun 21 20:01	24°♊01'01		
desc. node	5737 Jun 30 02:46	20°♊35'38		
direct	5737 Jul 06 17:25	19°♊43'19		
greatest brilliancy	5737 Jul 16 12:20	21°♊28'43	-4.8m	
	5737 Aug 01 06:36	0°♋		
morning max el	5737 Aug 24 13:55	19°♋43'31	45°45'30	
	5737 Sep 03 23:37	0°♌		
	5737 Oct 01 22:36	0°♍		
asc. node	5737 Oct 21 04:06	21°♍55'17		
	5737 Oct 28 02:21	0°♎		
	5737 Nov 22 06:55	0°♏		
	5737 Dec 16 21:20	0°♐		
	5738 Jan 10 03:10	0°♑		
	5738 Feb 03 03:57	0°♒		
desc. node	5738 Feb 09 19:35	8°♒19'59		
morning set	5738 Feb 21 02:32	22°♒30'02		
	5738 Feb 27 01:49	0°♓		
	5738 Mar 22 22:24	0°♈		
superior conj	5738 Apr 03 07:32	14°♈18'26	-1°26'44	
minimum elong	5738 Apr 03 04:50	14°♈09'59	1°26'44	
max. Earth dist.	5738 Apr 05 16:01	17°♈15'53	1.71293 AU	
	5738 Apr 15 19:26	0°♉		
	5738 May 09 18:50	0°♊		
evening rise	5738 May 13 18:05	4°♊56'57		
asc. node	5738 Jun 02 20:38	29°♊55'21		
	5738 Jun 02 22:08	0°♋		
	5738 Jun 27 06:31	0°♌		
	5738 Jul 21 21:13	0°♍		
	5738 Aug 15 20:34	0°♎		
	5738 Sep 10 09:10	0°♏		
desc. node	5738 Sep 22 12:16	13°♏55'42		
	5738 Oct 06 20:10	0°♐		
	5738 Nov 04 05:35	0°♑		
evening max el	5738 Nov 08 10:46	4°♑08'08	46°11'36	
	5738 Dec 10 19:57	0°♒		
greatest brilliancy	5738 Dec 18 07:38	3°♒20'55	-4.8m	
retrograde	5738 Dec 27 21:04	5°♒02'44		
evening set	5739 Jan 11 06:31	1°♒00'26		
	5739 Jan 13 02:31	30°℞♑		
asc. node	5739 Jan 13 13:34	29°♑44'11		
inferior conj	5739 Jan 17 13:31	27°♑20'14	1°01'53	
minimum elong	5739 Jan 17 11:08	27°♑23'52	1°01'09	
min. Earth dist.	5739 Jan 17 19:44	27°♑10'42	0.26866 AU	
morning rise	5739 Jan 23 15:13	23°♑45'46		
direct	5739 Feb 07 05:10	19°♑32'54		
greatest brilliancy	5739 Feb 17 15:35	21°♑35'39	-4.9m	
	5739 Mar 04 10:25	0°♒		
morning max el	5739 Mar 29 17:44	22°♒31'27	46°58'51	
	5739 Apr 05 23:41	0°♓		
	5739 May 03 03:22	0°♈		
desc. node	5739 May 05 05:17	2°♈23'12		
	5739 May 28 20:30	0°♉		
	5739 Jun 23 00:03	0°♊		
	5739 Jul 17 21:41	0°♋		
	5739 Aug 11 15:54	0°♌		
asc. node	5739 Aug 26 06:17	17°♌46'01		
	5739 Sep 05 06:44	0°♍		
morning set	5739 Sep 28 05:46	28°♍09'11		
	5739 Sep 29 17:47	0°♎		
	5739 Oct 24 01:23	0°♏		
max. Earth dist.	5739 Nov 01 07:15	10°♏12'20	1.72842 AU	
superior conj	5739 Nov 03 19:17	13°♏18'15	1°19'19	
minimum elong	5739 Nov 04 01:59	13°♏38'59	1°19'12	
	5739 Nov 17 06:30	0°♐		
	5739 Dec 11 10:08	0°♑		
evening rise	5739 Dec 11 18:19	0°♑25'25		
desc. node	5739 Dec 15 21:52	5°♑34'51		
	5740 Jan 04 12:45	0°♒		
	5740 Jan 28 14:46	0°♓		
	5740 Feb 21 17:31	0°♈		
	5740 Mar 17 00:08	0°♉		
asc. node	5740 Apr 06 22:53	25°♉31'47		
	5740 Apr 10 15:59	0°♊		
	5740 May 06 01:56	0°♋		
	5740 Jun 02 01:03	0°♌		
evening max el	5740 Jun 15 02:34	13°♌21'51	45°57'17	
	5740 Jul 03 15:38	0°♍		
greatest brilliancy	5740 Jul 23 10:29	12°♍05'25	-4.7m	
desc. node	5740 Jul 27 14:47	13°♍24'57		
retrograde	5740 Aug 03 10:00	14°♍17'20		
evening set	5740 Aug 19 10:25	9°♍21'49		
inferior conj	5740 Aug 24 23:12	6°♍00'17	-6°05'35	
minimum elong	5740 Aug 24 13:19	6°♍15'47	6°03'33	
min. Earth dist.	5740 Aug 24 13:11	6°♍16'01	0.29026 AU	
morning rise	5740 Aug 29 16:20	3°♍06'56		
	5740 Sep 04 19:18	30°℞♌		
direct	5740 Sep 15 11:40	27°♌44'48		
greatest brilliancy	5740 Sep 25 15:57	29°♌36'17	-4.7m	
	5740 Sep 26 17:57	0°♍		
morning max el	5740 Nov 03 10:06	27°♍48'55	45°51'42	
	5740 Nov 05 15:52	0°♎		
asc. node	5740 Nov 17 15:51	12°♎15'12		

	5740 Dec 03 22:41	0°♏	
	5740 Dec 29 21:25	0°♐	
	5741 Jan 23 19:39	0°♑	
	5741 Feb 17 05:35	0°♒	
desc. node	5741 Mar 09 07:27	24°♒55'37	
	5741 Mar 13 09:08	0°♓	
	5741 Apr 06 09:35	0°♈	
	5741 Apr 30 09:19	0°♉	
morning set	5741 May 08 10:10	10°♉02'20	
	5741 May 24 10:17	0°♊	
superior conj	5741 Jun 16 08:17	28°♊28'41	-0°32'58
minimum elong	5741 Jun 16 15:29	28°♊50'57	0°32'40
	5741 Jun 17 13:45	0°♋	
max. Earth dist.	5741 Jun 19 10:36	2°♋18'54	1.72628 AU
asc. node	5741 Jun 30 08:31	15°♋49'14	
	5741 Jul 11 20:03	0°♌	
evening rise	5741 Jul 24 03:58	15°♌11'35	
	5741 Aug 05 05:00	0°♍	
	5741 Aug 29 16:46	0°♎	
	5741 Sep 23 08:25	0°♏	
	5741 Oct 18 05:39	0°♐	
desc. node	5741 Oct 20 00:05	2°♐07'05	
	5741 Nov 12 10:33	0°♑	
	5741 Dec 08 03:04	0°♒	
	5742 Jan 03 19:15	0°♓	
evening max el	5742 Jan 20 06:18	17°♓19'26	47°02'09
	5742 Feb 02 12:05	0°♈	
asc. node	5742 Feb 10 01:22	6°♈26'40	
greatest brilliancy	5742 Mar 01 22:39	18°♈37'01	-4.9m
retrograde	5742 Mar 11 23:07	20°♈32'08	
evening set	5742 Mar 29 19:12	14°♈23'41	
min. Earth dist.	5742 Apr 01 05:05	12°♈55'20	0.27135 AU
inferior conj	5742 Apr 01 15:37	12°♈39'06	9°02'04
minimum elong	5742 Apr 01 12:42	12°♈43'36	9°01'57
morning rise	5742 Apr 04 06:19	11°♈03'20	
direct	5742 Apr 22 05:39	4°♈52'29	
greatest brilliancy	5742 May 01 13:07	6°♈31'02	-4.9m
desc. node	5742 Jun 01 17:01	27°♈45'08	
	5742 Jun 04 03:33	0°♉	
morning max el	5742 Jun 11 04:11	6°♉44'25	46°25'46
	5742 Jul 03 11:43	0°♊	
	5742 Jul 30 07:02	0°♋	
	5742 Aug 25 03:14	0°♌	
	5742 Sep 19 09:55	0°♍	
asc. node	5742 Sep 22 18:06	4°♍00'25	
	5742 Oct 14 06:13	0°♎	
	5742 Nov 07 18:10	0°♏	
	5742 Dec 02 00:05	0°♐	
morning set	5742 Dec 06 11:44	5°♐34'26	
	5742 Dec 26 02:06	0°♑	
max. Earth dist.	5743 Jan 12 02:29	21°♑16'41	1.71585 AU
desc. node	5743 Jan 12 09:45	21°♑39'27	
superior conj	5743 Jan 14 12:40	24°♑18'52	-0°05'10
minimum elong	5743 Jan 14 11:22	24°♑14'48	0°05'05
behind sun begin	5743 Jan 13 11:06	22°♑58'46	
behind sun end	5743 Jan 15 11:39	25°♑30'51	
	5743 Jan 19 01:34	0°♒	
	5743 Feb 11 23:21	0°♓	
evening rise	5743 Feb 24 00:09	15°♓07'07	
	5743 Mar 07 20:31	0°♈	
	5743 Mar 31 19:00	0°♉	
	5743 Apr 24 21:30	0°♊	
asc. node	5743 May 05 10:46	13°♊01'50	
	5743 May 19 07:03	0°♋	
	5743 Jun 13 03:20	0°♌	
	5743 Jul 08 16:38	0°♍	
	5743 Aug 04 13:37	0°♎	
desc. node	5743 Aug 25 02:30	21°♎01'08	
evening max el	5743 Aug 25 22:24	21°♎48'54	45°34'28
	5743 Sep 03 19:51	0°♏	
greatest brilliancy	5743 Oct 03 22:15	19°♏46'27	-4.7m
retrograde	5743 Oct 13 13:22	21°♏26'21	
evening set	5743 Oct 31 06:56	15°♏32'40	
inferior conj	5743 Nov 03 20:05	13°♏21'43	-8°04'17
minimum elong	5743 Nov 04 03:05	13°♏10'47	8°03'30
min. Earth dist.	5743 Nov 04 14:22	12°♏53'11	0.28608 AU
morning rise	5743 Nov 07 23:01	10°♏49'55	
direct	5743 Nov 25 06:49	5°♏07'47	
greatest brilliancy	5743 Dec 06 08:15	7°♏23'29	-4.8m
asc. node	5743 Dec 16 03:43	12°♏29'43	
	5744 Jan 06 18:59	0°♐	
morning max el	5744 Jan 14 11:56	7°♐31'09	46°34'51
	5744 Feb 04 14:03	0°♑	
	5744 Mar 01 14:56	0°♒	
	5744 Mar 26 15:27	0°♓	
desc. node	5744 Apr 05 19:20	12°♓22'01	
	5744 Apr 20 04:57	0°♈	
	5744 May 14 13:44	0°♉	
	5744 Jun 07 21:22	0°♊	
	5744 Jul 02 05:36	0°♋	
morning set	5744 Jul 18 13:58	20°♋07'30	
	5744 Jul 26 14:37	0°♌	
asc. node	5744 Jul 27 20:23	1°♌31'33	
	5744 Aug 19 23:45	0°♍	
superior conj	5744 Aug 24 15:41	5°♍44'21	1°00'13
minimum elong	5744 Aug 24 06:33	5°♍16'15	0°59'54
max. Earth dist.	5744 Aug 24 12:25	5°♍34'17	1.73426 AU
	5744 Sep 13 08:31	0°♎	
evening rise	5744 Sep 29 18:10	20°♎11'50	
	5744 Oct 07 17:13	0°♏	
	5744 Nov 01 02:38	0°♐	
desc. node	5744 Nov 16 11:59	18°♐53'44	
	5744 Nov 25 13:20	0°♑	
	5744 Dec 20 01:36	0°♒	
	5745 Jan 13 16:36	0°♓	
	5745 Feb 07 14:33	0°♈	
	5745 Mar 05 06:16	0°♉	
asc. node	5745 Mar 09 13:03	4°♉51'26	
	5745 Apr 01 21:01	0°♊	
evening max el	5745 Apr 02 18:11	0°♊53'34	46°52'50
	5745 May 09 01:46	0°♋	
greatest brilliancy	5745 May 12 12:41	1°♋28'47	-4.8m
retrograde	5745 May 23 02:59	3°♋34'09	
	5745 Jun 05 12:02	30°℞♊	
evening set	5745 Jun 07 18:06	28°♊47'02	
inferior conj	5745 Jun 13 05:40	25°♊27'39	3°49'26
minimum elong	5745 Jun 13 13:35	25°♊15'17	3°47'11
min. Earth dist.	5745 Jun 13 01:30	25°♊34'11	0.27971 AU
morning rise	5745 Jun 19 09:38	21°♊46'52	
desc. node	5745 Jun 29 04:52	17°♊59'22	
direct	5745 Jul 04 07:47	17°♊28'08	
greatest brilliancy	5745 Jul 14 02:56	19°♊13'23	-4.8m
	5745 Aug 01 23:28	0°♋	
morning max el	5745 Aug 22 03:57	17°♋27'53	45°46'08
	5745 Sep 03 18:38	0°♌	
	5745 Oct 01 13:11	0°♍	
asc. node	5745 Oct 20 06:05	21°♍22'48	
	5745 Oct 27 15:08	0°♎	
	5745 Nov 21 18:49	0°♏	
	5745 Dec 16 08:47	0°♐	
	5746 Jan 09 14:24	0°♑	

	5746 Feb 02 15:04	0°♒	
desc. node	5746 Feb 08 21:29	7°♒51'09	
morning set	5746 Feb 18 12:42	19°♒56'30	
	5746 Feb 26 12:52	0°♓	
	5746 Mar 22 09:23	0°♈	
superior conj	5746 Mar 31 18:31	11°♈47'42	-1°26'13
minimum elong	5746 Mar 31 14:46	11°♈35'56	1°26'12
max. Earth dist.	5746 Apr 02 18:53	14°♈19'40	1.71262 AU
	5746 Apr 15 06:23	0°♉	
	5746 May 09 05:44	0°♊	
evening rise	5746 May 11 06:19	2°♊31'29	
asc. node	5746 Jun 01 22:44	29°♊28'02	
	5746 Jun 02 09:04	0°♋	
	5746 Jun 26 17:36	0°♌	
	5746 Jul 21 08:39	0°♍	
	5746 Aug 15 08:38	0°♎	
	5746 Sep 09 22:27	0°♏	
desc. node	5746 Sep 21 14:11	13°♏20'58	
	5746 Oct 06 11:52	0°♐	
	5746 Nov 04 03:40	0°♑	
evening max el	5746 Nov 05 23:25	1°♑46'19	46°09'42
	5746 Dec 13 08:19	0°♒	
greatest brilliancy	5746 Dec 15 21:06	0°♒57'29	-4.8m
retrograde	5746 Dec 25 09:35	2°♒38'42	
	5747 Jan 05 22:17	30°℞♑	
evening set	5747 Jan 08 19:43	28°♑35'14	
asc. node	5747 Jan 12 15:32	26°♑25'07	
inferior conj	5747 Jan 15 02:27	24°♑55'46	0°38'01
minimum elong	5747 Jan 15 00:59	24°♑58'01	0°37'34
min. Earth dist.	5747 Jan 15 10:11	24°♑43'56	0.26902 AU
morning rise	5747 Jan 21 05:36	21°♑19'24	
direct	5747 Feb 04 18:07	17°♑07'22	
greatest brilliancy	5747 Feb 15 06:59	19°♑12'27	-4.9m
	5747 Mar 05 04:52	0°♒	
morning max el	5747 Mar 27 07:37	20°♒07'48	46°59'10
	5747 Apr 05 19:47	0°♓	
	5747 May 02 18:48	0°♈	
desc. node	5747 May 04 07:18	1°♈45'07	
	5747 May 28 09:54	0°♉	
	5747 Jun 22 12:18	0°♊	
	5747 Jul 17 09:13	0°♋	
	5747 Aug 11 02:57	0°♌	
asc. node	5747 Aug 25 08:10	17°♌18'37	
	5747 Sep 04 17:30	0°♍	
morning set	5747 Sep 25 23:20	26°♍02'51	
	5747 Sep 29 04:26	0°♎	
	5747 Oct 23 12:00	0°♏	
max. Earth dist.	5747 Oct 30 03:07	8°♏12'16	1.72882 AU
superior conj	5747 Nov 01 12:11	11°♏08'57	1°20'29
minimum elong	5747 Nov 01 18:19	11°♏27'56	1°20'25
	5747 Nov 16 17:11	0°♐	
evening rise	5747 Dec 09 08:47	28°♐07'39	
	5747 Dec 10 20:57	0°♑	
desc. node	5747 Dec 14 23:55	5°♑07'33	
	5748 Jan 03 23:46	0°♒	
	5748 Jan 28 02:02	0°♓	
	5748 Feb 21 05:08	0°♈	
	5748 Mar 16 12:13	0°♉	
asc. node	5748 Apr 06 00:54	24°♉59'30	
	5748 Apr 10 04:50	0°♊	
	5748 May 05 16:20	0°♋	
	5748 Jun 01 19:12	0°♌	
evening max el	5748 Jun 12 18:25	11°♌09'59	45°59'11
	5748 Jul 04 03:11	0°♍	
greatest brilliancy	5748 Jul 21 01:45	9°♍55'23	-4.7m
desc. node	5748 Jul 26 16:42	11°♍35'10	
retrograde	5748 Aug 01 03:11	12°♍09'00	
evening set	5748 Aug 17 00:20	7°♍16'49	
min. Earth dist.	5748 Aug 22 04:47	4°♍08'47	0.29002 AU
inferior conj	5748 Aug 22 15:37	3°♍51'49	-5°51'29
minimum elong	5748 Aug 22 05:46	4°♍07'14	5°49'21
morning rise	5748 Aug 27 11:24	0°♍54'57	
	5748 Aug 29 02:22	30°℞♌	
direct	5748 Sep 13 03:58	25°♌36'43	
greatest brilliancy	5748 Sep 23 07:20	27°♌27'43	-4.7m
	5748 Sep 29 05:00	0°♍	
morning max el	5748 Nov 01 02:37	25°♍40'22	45°50'36
	5748 Nov 05 12:25	0°♎	
asc. node	5748 Nov 16 17:58	11°♎34'28	
	5748 Dec 03 13:42	0°♏	
	5748 Dec 29 10:27	0°♐	
	5749 Jan 23 07:45	0°♑	
	5749 Feb 16 17:12	0°♒	
desc. node	5749 Mar 08 09:24	24°♒26'24	
	5749 Mar 12 20:26	0°♓	
	5749 Apr 05 20:39	0°♈	
	5749 Apr 29 20:12	0°♉	
morning set	5749 May 05 22:42	7°♉37'39	
	5749 May 23 21:03	0°♊	
superior conj	5749 Jun 13 22:53	26°♊12'00	-0°36'14
minimum elong	5749 Jun 14 06:42	26°♊36'15	0°35'55
max. Earth dist.	5749 Jun 17 03:08	0°♋08'24	1.72580 AU
	5749 Jun 17 00:26	0°♋	
asc. node	5749 Jun 29 10:32	15°♋22'34	
	5749 Jul 11 06:41	0°♌	
evening rise	5749 Jul 21 21:09	13°♌04'07	
	5749 Aug 04 15:39	0°♍	
	5749 Aug 29 03:35	0°♎	
	5749 Sep 22 19:36	0°♏	
	5749 Oct 17 17:27	0°♐	
desc. node	5749 Oct 19 02:10	1°♐37'50	
	5749 Nov 11 23:24	0°♑	
	5749 Dec 07 17:43	0°♒	
	5750 Jan 03 13:36	0°♓	
evening max el	5750 Jan 17 21:12	14°♓58'53	47°01'05
	5750 Feb 02 19:21	0°♈	
asc. node	5750 Feb 09 03:19	5°♈13'31	
greatest brilliancy	5750 Feb 27 11:16	16°♈10'18	-4.9m
retrograde	5750 Mar 09 12:47	18°♈05'46	
evening set	5750 Mar 27 05:19	12°♈01'59	
min. Earth dist.	5750 Mar 29 17:05	10°♈30'46	0.27104 AU
inferior conj	5750 Mar 30 04:26	10°♈13'16	8°58'42
minimum elong	5750 Mar 30 00:35	10°♈19'12	8°58'29
morning rise	5750 Apr 01 19:59	8°♈36'14	
direct	5750 Apr 19 18:50	2°♈27'22	
greatest brilliancy	5750 Apr 29 00:49	4°♈04'53	-4.9m
desc. node	5750 May 31 19:07	26°♈47'03	
	5750 Jun 04 05:12	0°♉	
morning max el	5750 Jun 08 18:08	4°♉24'13	46°27'19
	5750 Jul 03 04:32	0°♊	
	5750 Jul 29 20:50	0°♋	
	5750 Aug 24 15:33	0°♌	
	5750 Sep 18 21:23	0°♍	
asc. node	5750 Sep 21 20:08	3°♍32'21	
	5750 Oct 13 17:10	0°♎	
	5750 Nov 07 04:52	0°♏	
	5750 Dec 01 10:43	0°♐	
morning set	5750 Dec 04 03:10	3°♐20'14	
	5750 Dec 25 12:45	0°♑	
max. Earth dist.	5751 Jan 09 11:05	18°♑39'57	1.71626 AU
desc. node	5751 Jan 11 11:41	21°♑12'00	

superior conj	5751 Jan 12 01:01	21°♑53'46	-0°01'22
minimum elong	5751 Jan 12 00:41	21°♑52'41	0°01'19
behind sun begin	5751 Jan 10 23:31	20°♑33'57	
behind sun end	5751 Jan 13 01:50	23°♑11'27	
	5751 Jan 18 12:18	0°♒	
	5751 Feb 11 10:09	0°♓	
evening rise	5751 Feb 21 11:02	12°♓36'25	
	5751 Mar 07 07:24	0°♈	
	5751 Mar 31 06:02	0°♉	
	5751 Apr 24 08:44	0°♊	
asc. node	5751 May 04 12:52	12°♊33'23	
	5751 May 18 18:39	0°♋	
	5751 Jun 12 15:36	0°♌	
	5751 Jul 08 06:14	0°♍	
	5751 Aug 04 06:18	0°♎	
evening max el	5751 Aug 23 13:25	19°♎36'47	45°34'17
desc. node	5751 Aug 24 04:30	20°♎12'49	
	5751 Sep 03 23:33	0°♏	
greatest brilliancy	5751 Oct 01 13:03	17°♏35'18	-4.7m
retrograde	5751 Oct 11 03:57	19°♏15'10	
evening set	5751 Oct 29 00:20	13°♏18'27	
inferior conj	5751 Nov 01 11:42	11°♏09'59	-8°11'03
minimum elong	5751 Nov 01 18:04	11°♏00'01	8°10'26
min. Earth dist.	5751 Nov 02 05:20	10°♏42'23	0.28658 AU
morning rise	5751 Nov 05 11:34	8°♏42'22	
direct	5751 Nov 22 22:33	2°♏55'34	
greatest brilliancy	5751 Dec 03 23:37	5°♏10'09	-4.8m
asc. node	5751 Dec 15 05:38	11°♏11'42	
	5752 Jan 06 19:20	0°♐	
morning max el	5752 Jan 12 01:57	5°♐11'38	46°33'10
	5752 Feb 04 06:27	0°♑	
	5752 Mar 01 04:46	0°♒	
	5752 Mar 26 04:03	0°♓	
desc. node	5752 Apr 04 21:24	11°♓50'46	
	5752 Apr 19 16:51	0°♈	
	5752 May 14 01:09	0°♉	
	5752 Jun 07 08:25	0°♊	
	5752 Jul 01 16:23	0°♋	
morning set	5752 Jul 16 06:28	17°♋57'50	
	5752 Jul 26 01:13	0°♌	
asc. node	5752 Jul 26 22:16	1°♌04'43	
	5752 Aug 19 10:16	0°♍	
superior conj	5752 Aug 22 09:24	3°♍38'49	0°57'54
minimum elong	5752 Aug 22 00:17	3°♍10'48	0°57'33
max. Earth dist.	5752 Aug 22 06:50	3°♍30'57	1.73419 AU
	5752 Sep 12 19:04	0°♎	
evening rise	5752 Sep 27 11:57	18°♎06'13	
	5752 Oct 07 03:53	0°♏	
	5752 Oct 31 13:30	0°♐	
desc. node	5752 Nov 15 14:04	18°♐26'17	
	5752 Nov 25 00:32	0°♑	
	5752 Dec 19 13:17	0°♒	
	5753 Jan 13 05:01	0°♓	
	5753 Feb 07 04:09	0°♈	
	5753 Mar 04 22:10	0°♉	
asc. node	5753 Mar 08 15:03	4°♉10'51	
evening max el	5753 Mar 31 07:35	28°♉30'53	46°54'10
	5753 Apr 01 19:04	0°♊	
greatest brilliancy	5753 May 10 05:26	29°♊13'17	-4.8m
	5753 May 12 12:21	0°♋	
retrograde	5753 May 20 17:34	1°♋17'10	
	5753 May 28 16:29	30°℞♊	
evening set	5753 Jun 05 11:26	26°♊26'46	
inferior conj	5753 Jun 10 20:26	23°♊11'17	4°09'16
minimum elong	5753 Jun 11 04:53	22°♊58'05	4°06'55
min. Earth dist.	5753 Jun 10 17:02	23°♊16'36	0.27939 AU
morning rise	5753 Jun 16 22:47	19°♊32'30	
desc. node	5753 Jun 28 06:46	15°♊27'36	
direct	5753 Jul 01 21:28	15°♊12'07	
greatest brilliancy	5753 Jul 11 17:37	16°♊57'53	-4.8m
	5753 Aug 02 11:59	0°♋	
morning max el	5753 Aug 19 18:06	15°♋12'41	45°46'57
	5753 Sep 03 12:59	0°♌	
	5753 Oct 01 03:26	0°♍	
asc. node	5753 Oct 19 08:07	20°♍51'10	
	5753 Oct 27 03:39	0°♎	
	5753 Nov 21 06:30	0°♏	
	5753 Dec 15 20:01	0°♐	
	5754 Jan 09 01:22	0°♑	
	5754 Feb 02 01:54	0°♒	
desc. node	5754 Feb 07 23:30	7°♒23'30	
morning set	5754 Feb 15 23:20	17°♒25'13	
	5754 Feb 25 23:40	0°♓	
	5754 Mar 21 20:11	0°♈	
superior conj	5754 Mar 29 05:28	9°♈17'24	-1°25'32
minimum elong	5754 Mar 29 00:40	9°♈02'21	1°25'29
max. Earth dist.	5754 Mar 30 21:36	11°♈23'32	1.71244 AU
	5754 Apr 14 17:11	0°♉	
evening rise	5754 May 08 18:09	0°♊05'00	
	5754 May 08 16:33	0°♊	
asc. node	5754 Jun 01 00:40	29°♊00'21	
	5754 Jun 01 19:57	0°♋	
	5754 Jun 26 04:40	0°♌	
	5754 Jul 20 20:04	0°♍	
	5754 Aug 14 20:44	0°♎	
	5754 Sep 09 11:48	0°♏	
desc. node	5754 Sep 20 16:17	12°♏46'36	
	5754 Oct 06 03:48	0°♐	
evening max el	5754 Nov 03 13:00	29°♐27'11	46°07'58
	5754 Nov 04 02:38	0°♑	
greatest brilliancy	5754 Dec 13 10:08	28°♑34'12	-4.8m
	5754 Dec 19 07:29	0°♒	
retrograde	5754 Dec 22 22:39	0°♒15'25	
	5754 Dec 26 12:20	30°℞♑	
evening set	5755 Jan 06 09:15	26°♑10'32	
asc. node	5755 Jan 11 17:27	23°♑05'29	
inferior conj	5755 Jan 12 15:26	22°♑31'59	0°14'10
minimum elong	5755 Jan 12 14:53	22°♑32'49	0°14'00
transit middle	5755 Jan 12 14:53	22°♑32'49	0°14'00
transit begin	5755 Jan 12 12:40	22°♑36'11	
transit end	5755 Jan 12 17:05	22°♑29'27	
min. Earth dist.	5755 Jan 13 00:21	22°♑18'22	0.26936 AU
morning rise	5755 Jan 18 19:52	18°♑54'10	
direct	5755 Feb 02 07:42	14°♑42'43	
greatest brilliancy	5755 Feb 12 21:49	16°♑49'29	-4.9m
	5755 Mar 05 18:18	0°♒	
morning max el	5755 Mar 24 22:21	17°♒47'06	46°59'21
	5755 Apr 05 15:02	0°♓	
	5755 May 02 09:51	0°♈	
desc. node	5755 May 03 09:23	1°♈08'01	
	5755 May 27 23:08	0°♉	
	5755 Jun 22 00:30	0°♊	
	5755 Jul 16 20:45	0°♋	
	5755 Aug 10 14:03	0°♌	
asc. node	5755 Aug 24 10:16	16°♌51'40	
	5755 Sep 04 04:20	0°♍	
morning set	5755 Sep 23 16:35	23°♍55'28	
	5755 Sep 28 15:07	0°♎	
	5755 Oct 22 22:40	0°♏	
max. Earth dist.	5755 Oct 27 23:04	6°♏12'25	1.72918 AU
superior conj	5755 Oct 30 04:54	8°♏59'00	1°21'33

minimum elong	5755 Oct 30 10:26	9°♏16'07	1°21'30
	5755 Nov 16 03:55	0°♐	
evening rise	5755 Dec 06 23:16	25°♐49'45	
	5755 Dec 10 07:51	0°♑	
desc. node	5755 Dec 14 01:51	4°♑39'35	
	5756 Jan 03 10:51	0°♒	
	5756 Jan 27 13:22	0°♓	
	5756 Feb 20 16:44	0°♈	
	5756 Mar 16 00:16	0°♉	
asc. node	5756 Apr 05 02:59	24°♉27'31	
	5756 Apr 09 17:43	0°♊	
	5756 May 05 06:53	0°♋	
	5756 Jun 01 13:55	0°♌	
evening max el	5756 Jun 10 11:01	8°♌59'31	46°00'49
	5756 Jul 04 19:13	0°♍	
greatest brilliancy	5756 Jul 18 17:06	7°♍44'28	-4.7m
desc. node	5756 Jul 25 18:44	9°♍40'12	
retrograde	5756 Jul 29 20:03	9°♍59'09	
evening set	5756 Aug 14 14:10	5°♍10'25	
inferior conj	5756 Aug 20 07:47	1°♍41'57	-5°36'39
minimum elong	5756 Aug 19 22:03	1°♍57'11	5°34'28
min. Earth dist.	5756 Aug 19 20:12	2°♍00'06	0.28977 AU
	5756 Aug 23 01:28	30°℞♌	
morning rise	5756 Aug 25 06:14	28°♌41'27	
direct	5756 Sep 10 20:27	23°♌27'22	
greatest brilliancy	5756 Sep 20 22:07	25°♌17'18	-4.7m
	5756 Sep 30 18:53	0°♍	
morning max el	5756 Oct 29 18:47	23°♍30'19	45°49'32
	5756 Nov 05 08:36	0°♎	
asc. node	5756 Nov 15 19:58	10°♎53'12	
	5756 Dec 03 04:42	0°♏	
	5756 Dec 28 23:34	0°♐	
	5757 Jan 22 19:58	0°♑	
	5757 Feb 16 04:55	0°♒	
desc. node	5757 Mar 07 11:30	23°♒57'14	
	5757 Mar 12 07:50	0°♓	
	5757 Apr 05 07:48	0°♈	
	5757 Apr 29 07:10	0°♉	
morning set	5757 May 03 11:33	5°♉13'43	
	5757 May 23 07:52	0°♊	
superior conj	5757 Jun 11 13:39	23°♊55'27	-0°39'27
minimum elong	5757 Jun 11 22:03	24°♊21'30	0°39'05
max. Earth dist.	5757 Jun 14 21:59	28°♊04'38	1.72536 AU
	5757 Jun 16 11:12	0°♋	
asc. node	5757 Jun 28 12:27	14°♋55'19	
	5757 Jul 10 17:28	0°♌	
evening rise	5757 Jul 19 14:19	10°♌55'59	
	5757 Aug 04 02:31	0°♍	
	5757 Aug 28 14:40	0°♎	
	5757 Sep 22 07:05	0°♏	
	5757 Oct 17 05:37	0°♐	
desc. node	5757 Oct 18 04:11	1°♐07'26	
	5757 Nov 11 12:39	0°♑	
	5757 Dec 07 08:51	0°♒	
	5758 Jan 03 08:45	0°♓	
evening max el	5758 Jan 15 11:49	12°♓36'49	46°59'56
	5758 Feb 03 05:40	0°♈	
asc. node	5758 Feb 08 05:25	3°♈57'40	
greatest brilliancy	5758 Feb 25 00:38	13°♈43'44	-4.9m
retrograde	5758 Mar 07 02:03	15°♈38'37	
evening set	5758 Mar 24 15:10	9°♈40'26	
min. Earth dist.	5758 Mar 27 05:36	8°♈05'05	0.27068 AU
inferior conj	5758 Mar 27 17:20	7°♈46'58	8°54'23
minimum elong	5758 Mar 27 12:36	7°♈54'17	8°54'03
morning rise	5758 Mar 30 10:10	6°♈07'54	
direct	5758 Apr 17 07:46	0°♈01'50	
greatest brilliancy	5758 Apr 26 13:06	1°♈38'43	-4.9m
desc. node	5758 May 30 21:01	25°♈49'22	
	5758 Jun 04 05:44	0°♉	
morning max el	5758 Jun 06 07:11	2°♉01'11	46°28'58
	5758 Jul 02 21:09	0°♊	
	5758 Jul 29 10:41	0°♋	
	5758 Aug 24 04:01	0°♌	
	5758 Sep 18 09:05	0°♍	
asc. node	5758 Sep 20 22:11	3°♍03'27	
	5758 Oct 13 04:27	0°♎	
	5758 Nov 06 15:56	0°♏	
	5758 Nov 30 21:42	0°♐	
morning set	5758 Dec 01 18:27	1°♐04'27	
	5758 Dec 24 23:44	0°♑	
max. Earth dist.	5759 Jan 06 19:20	16°♑01'13	1.71668 AU
superior conj	5759 Jan 09 13:19	19°♑27'37	0°02'29
minimum elong	5759 Jan 09 13:56	19°♑29'32	0°02'29
behind sun begin	5759 Jan 08 12:59	18°♑11'28	
behind sun end	5759 Jan 10 14:53	20°♑47'36	
desc. node	5759 Jan 10 13:40	20°♑43'49	
	5759 Jan 17 23:20	0°♒	
	5759 Feb 10 21:16	0°♓	
evening rise	5759 Feb 18 21:57	10°♓04'51	
	5759 Mar 06 18:38	0°♈	
	5759 Mar 30 17:23	0°♉	
	5759 Apr 23 20:18	0°♊	
asc. node	5759 May 03 14:48	12°♊03'25	
	5759 May 18 06:33	0°♋	
	5759 Jun 12 04:10	0°♌	
	5759 Jul 07 20:11	0°♍	
	5759 Aug 03 23:36	0°♎	
evening max el	5759 Aug 21 03:36	17°♎21'52	45°33'58
desc. node	5759 Aug 23 06:34	19°♎22'59	
	5759 Sep 04 05:38	0°♏	
greatest brilliancy	5759 Sep 29 03:43	15°♏22'53	-4.7m
retrograde	5759 Oct 08 18:29	17°♏03'02	
evening set	5759 Oct 26 17:28	11°♏03'18	
inferior conj	5759 Oct 30 03:19	8°♏57'08	-8°17'03
minimum elong	5759 Oct 30 09:01	8°♏48'12	8°16'32
min. Earth dist.	5759 Oct 30 20:33	8°♏30'09	0.28712 AU
morning rise	5759 Nov 03 00:19	6°♏33'34	
direct	5759 Nov 20 14:01	0°♏41'56	
greatest brilliancy	5759 Dec 01 15:44	2°♏56'26	-4.8m
asc. node	5759 Dec 14 07:35	9°♏54'36	
	5760 Jan 06 19:08	0°♐	
morning max el	5760 Jan 09 16:01	2°♐50'55	46°31'38
	5760 Feb 03 23:00	0°♑	
	5760 Feb 29 18:51	0°♒	
	5760 Mar 25 16:56	0°♓	
desc. node	5760 Apr 03 23:25	11°♓18'28	
	5760 Apr 19 05:01	0°♈	
	5760 May 13 12:52	0°♉	
	5760 Jun 06 19:47	0°♊	
	5760 Jul 01 03:28	0°♋	
morning set	5760 Jul 13 23:16	15°♋48'05	
	5760 Jul 25 12:06	0°♌	
asc. node	5760 Jul 26 00:23	0°♌37'49	
	5760 Aug 18 21:03	0°♍	
superior conj	5760 Aug 20 03:28	1°♍33'34	0°55'30
minimum elong	5760 Aug 19 18:25	1°♍05'46	0°55'09
max. Earth dist.	5760 Aug 20 02:03	1°♍29'13	1.73413 AU
	5760 Sep 12 05:52	0°♎	
evening rise	5760 Sep 25 06:08	16°♎01'00	
	5760 Oct 06 14:51	0°♏	
	5760 Oct 31 00:45	0°♐	

desc. node	5760 Nov 14 15:58	17°♐57'00	
	5760 Nov 24 12:09	0°♑	
	5760 Dec 19 01:26	0°♒	
	5761 Jan 12 17:56	0°♓	
	5761 Feb 06 18:18	0°♈	
	5761 Mar 04 14:44	0°♉	
asc. node	5761 Mar 07 17:07	3°♉28'52	
evening max el	5761 Mar 28 20:55	26°♉06'57	46°55'38
	5761 Apr 01 18:28	0°♊	
greatest brilliancy	5761 May 07 21:43	26°♊56'11	-4.9m
retrograde	5761 May 18 08:33	28°♊59'24	
evening set	5761 Jun 03 04:55	24°♊05'12	
inferior conj	5761 Jun 08 11:15	20°♊53'56	4°28'46
minimum elong	5761 Jun 08 20:11	20°♊39'59	4°26'18
min. Earth dist.	5761 Jun 08 08:29	20°♊58'15	0.27907 AU
morning rise	5761 Jun 14 11:48	17°♊17'41	
desc. node	5761 Jun 27 08:50	13°♊00'11	
direct	5761 Jun 29 11:09	12°♊54'58	
greatest brilliancy	5761 Jul 09 08:20	14°♊41'33	-4.8m
	5761 Aug 02 21:35	0°♋	
morning max el	5761 Aug 17 09:16	12°♋59'12	45°47'58
	5761 Sep 03 07:08	0°♌	
	5761 Sep 30 17:43	0°♍	
asc. node	5761 Oct 18 10:06	20°♍18'51	
	5761 Oct 26 16:20	0°♎	
	5761 Nov 20 18:24	0°♏	
	5761 Dec 15 07:32	0°♐	
	5762 Jan 08 12:42	0°♑	
	5762 Feb 01 13:09	0°♒	
desc. node	5762 Feb 07 01:38	6°♒55'00	
morning set	5762 Feb 13 09:44	14°♒52'03	
	5762 Feb 25 10:51	0°♓	
	5762 Mar 21 07:19	0°♈	
superior conj	5762 Mar 26 16:01	6°♈44'42	-1°24'38
minimum elong	5762 Mar 26 10:12	6°♈26'24	1°24'34
max. Earth dist.	5762 Mar 28 02:59	8°♈34'40	1.71224 AU
	5762 Apr 14 04:17	0°♉	
evening rise	5762 May 06 05:50	27°♉37'05	
	5762 May 08 03:39	0°♊	
asc. node	5762 May 31 02:39	28°♊31'54	
	5762 Jun 01 07:08	0°♋	
	5762 Jun 25 16:02	0°♌	
	5762 Jul 20 07:47	0°♍	
	5762 Aug 14 09:07	0°♎	
	5762 Sep 09 01:27	0°♏	
desc. node	5762 Sep 19 18:18	12°♏11'16	
	5762 Oct 05 20:10	0°♐	
evening max el	5762 Nov 01 03:26	27°♐09'55	46°06'05
	5762 Nov 04 02:48	0°♑	
greatest brilliancy	5762 Dec 10 22:40	26°♑10'07	-4.8m
retrograde	5762 Dec 20 11:51	27°♑51'30	
evening set	5763 Jan 03 23:04	23°♑45'09	
inferior conj	5763 Jan 10 04:25	20°♑07'26	-0°09'45
minimum elong	5763 Jan 10 04:48	20°♑06'52	0°09'36
transit middle	5763 Jan 10 04:48	20°♑06'52	0°09'36
transit begin	5763 Jan 10 01:28	20°♑11'56	
transit end	5763 Jan 10 08:07	20°♑01'47	
min. Earth dist.	5763 Jan 10 14:16	19°♑52'24	0.26979 AU
asc. node	5763 Jan 10 19:35	19°♑44'18	
morning rise	5763 Jan 16 09:57	16°♑28'23	
direct	5763 Jan 30 21:53	12°♑17'24	
greatest brilliancy	5763 Feb 10 12:21	14°♑25'06	-4.9m
	5763 Mar 06 04:49	0°♒	
morning max el	5763 Mar 22 13:27	15°♒26'08	46°59'22
	5763 Apr 05 10:13	0°♓	
desc. node	5763 May 02 11:19	0°♈29'43	
	5763 May 02 01:04	0°♈	
	5763 May 27 12:31	0°♉	
	5763 Jun 21 12:51	0°♊	
	5763 Jul 16 08:27	0°♋	
	5763 Aug 10 01:19	0°♌	
asc. node	5763 Aug 23 12:16	16°♌23'57	
	5763 Sep 03 15:20	0°♍	
morning set	5763 Sep 21 10:19	21°♍49'09	
	5763 Sep 28 01:57	0°♎	
	5763 Oct 22 09:26	0°♏	
max. Earth dist.	5763 Oct 25 18:28	4°♏10'33	1.72949 AU
superior conj	5763 Oct 27 22:14	6°♏50'42	1°22'30
minimum elong	5763 Oct 28 03:07	7°♏05'50	1°22'26
	5763 Nov 15 14:45	0°♐	
evening rise	5763 Dec 04 14:17	23°♐33'18	
	5763 Dec 09 18:49	0°♑	
desc. node	5763 Dec 13 03:55	4°♑11'50	
	5764 Jan 02 22:04	0°♒	
	5764 Jan 27 00:52	0°♓	
	5764 Feb 20 04:35	0°♈	
	5764 Mar 15 12:38	0°♉	
asc. node	5764 Apr 04 04:53	23°♉53'59	
	5764 Apr 09 06:58	0°♊	
	5764 May 04 21:53	0°♋	
	5764 Jun 01 09:23	0°♌	
evening max el	5764 Jun 08 03:45	6°♌48'45	46°02'38
	5764 Jul 05 17:07	0°♍	
greatest brilliancy	5764 Jul 16 09:07	5°♍34'05	-4.7m
desc. node	5764 Jul 24 20:49	7°♍40'49	
retrograde	5764 Jul 27 12:42	7°♍49'02	
evening set	5764 Aug 12 04:17	3°♍03'52	
	5764 Aug 17 06:12	30°℞♌	
min. Earth dist.	5764 Aug 17 11:54	29°♌51'05	0.28944 AU
inferior conj	5764 Aug 18 00:02	29°♌32'03	-5°21'21
minimum elong	5764 Aug 17 14:28	29°♌47'03	5°19'09
morning rise	5764 Aug 23 01:02	26°♌27'53	
direct	5764 Sep 08 13:01	21°♌18'11	
greatest brilliancy	5764 Sep 18 12:51	23°♌06'43	-4.7m
	5764 Oct 01 21:20	0°♍	
morning max el	5764 Oct 27 10:24	21°♍19'07	45°48'39
	5764 Nov 05 04:05	0°♎	
asc. node	5764 Nov 14 21:52	10°♎12'19	
	5764 Dec 02 19:26	0°♏	
	5764 Dec 28 12:30	0°♐	
	5765 Jan 22 08:05	0°♑	
	5765 Feb 15 16:35	0°♒	
desc. node	5765 Mar 06 13:28	23°♒27'44	
	5765 Mar 11 19:14	0°♓	
	5765 Apr 04 19:01	0°♈	
	5765 Apr 28 18:13	0°♉	
morning set	5765 Apr 30 23:48	2°♉47'30	
	5765 May 22 18:48	0°♊	
superior conj	5765 Jun 09 03:52	21°♊36'52	-0°42'37
minimum elong	5765 Jun 09 12:47	22°♊04'33	0°42'15
max. Earth dist.	5765 Jun 12 16:19	25°♊58'57	1.72485 AU
	5765 Jun 15 22:02	0°♋	
asc. node	5765 Jun 27 14:33	14°♋28'24	
	5765 Jul 10 04:16	0°♌	
evening rise	5765 Jul 17 07:04	8°♌46'26	
	5765 Aug 03 13:23	0°♍	
	5765 Aug 28 01:44	0°♎	
	5765 Sep 21 18:33	0°♏	
	5765 Oct 16 17:45	0°♐	
desc. node	5765 Oct 17 06:07	0°♐36'55	
	5765 Nov 11 01:51	0°♑	

	5765 Dec 06 23:57	0°♒	
	5766 Jan 03 04:08	0°♓	
evening max el	5766 Jan 13 01:37	10°♓13'29	46°58'38
	5766 Feb 03 19:01	0°♈	
asc. node	5766 Feb 07 07:23	2°♈39'58	
greatest brilliancy	5766 Feb 22 14:19	11°♈18'16	-4.9m
retrograde	5766 Mar 04 14:44	13°♈12'11	
evening set	5766 Mar 22 00:36	7°♈20'12	
inferior conj	5766 Mar 25 06:18	5°♈21'22	8°48'50
minimum elong	5766 Mar 25 00:42	5°♈30'01	8°48'23
min. Earth dist.	5766 Mar 24 18:33	5°♈39'32	0.27041 AU
morning rise	5766 Mar 28 00:55	3°♈39'28	
	5766 Apr 03 23:23	30°℞♓	
direct	5766 Apr 14 20:19	27°♓36'40	
greatest brilliancy	5766 Apr 24 02:17	29°♓13'42	-4.9m
	5766 Apr 26 04:25	0°♈	
desc. node	5766 May 29 23:05	24°♈53'20	
morning max el	5766 Jun 03 19:34	29°♈36'16	46°30'30
	5766 Jun 04 05:10	0°♉	
	5766 Jul 02 13:30	0°♊	
	5766 Jul 29 00:23	0°♋	
	5766 Aug 23 16:20	0°♌	
	5766 Sep 17 20:36	0°♍	
asc. node	5766 Sep 20 00:06	2°♍34'43	
	5766 Oct 12 15:31	0°♎	
	5766 Nov 06 02:46	0°♏	
morning set	5766 Nov 29 09:59	28°♏50'11	
	5766 Nov 30 08:27	0°♐	
	5766 Dec 24 10:30	0°♑	
max. Earth dist.	5767 Jan 04 05:45	13°♑30'03	1.71708 AU
superior conj	5767 Jan 07 02:08	17°♑03'54	0°06'14
minimum elong	5767 Jan 07 03:41	17°♑08'45	0°06'10
behind sun begin	5767 Jan 06 04:14	15°♑55'24	
behind sun end	5767 Jan 08 03:08	18°♑22'05	
desc. node	5767 Jan 09 15:48	20°♑16'48	
	5767 Jan 17 10:07	0°♒	
	5767 Feb 10 08:06	0°♓	
evening rise	5767 Feb 16 09:24	7°♓36'02	
	5767 Mar 06 05:34	0°♈	
	5767 Mar 30 04:29	0°♉	
	5767 Apr 23 07:38	0°♊	
asc. node	5767 May 02 16:48	11°♊34'20	
	5767 May 17 18:17	0°♋	
	5767 Jun 11 16:39	0°♌	
	5767 Jul 07 10:09	0°♍	
	5767 Aug 03 17:08	0°♎	
evening max el	5767 Aug 18 17:30	15°♎06'47	45°33'59
desc. node	5767 Aug 22 08:33	18°♎32'30	
	5767 Sep 04 13:52	0°♏	
greatest brilliancy	5767 Sep 26 17:51	13°♏10'42	-4.7m
retrograde	5767 Oct 06 09:25	14°♏52'03	
evening set	5767 Oct 24 10:22	8°♏49'20	
inferior conj	5767 Oct 27 18:57	6°♏45'14	-8°22'15
minimum elong	5767 Oct 27 23:59	6°♏37'23	8°21'51
min. Earth dist.	5767 Oct 28 11:35	6°♏19'15	0.28762 AU
morning rise	5767 Oct 31 13:19	4°♏25'41	
	5767 Nov 09 13:26	30°℞♎	
direct	5767 Nov 18 05:33	28°♎29'15	
	5767 Nov 27 06:16	0°♏	
greatest brilliancy	5767 Nov 29 08:00	0°♏44'10	-4.8m
asc. node	5767 Dec 13 09:44	8°♏41'09	
	5768 Jan 06 17:30	0°♐	
morning max el	5768 Jan 07 06:51	0°♐33'23	46°30'12
	5768 Feb 03 14:51	0°♑	
	5768 Feb 29 08:23	0°♒	
	5768 Mar 25 05:18	0°♓	
desc. node	5768 Apr 03 01:21	10°♓47'22	
	5768 Apr 18 16:44	0°♈	
	5768 May 13 00:08	0°♉	
	5768 Jun 06 06:45	0°♊	
	5768 Jun 30 14:12	0°♋	
morning set	5768 Jul 11 15:45	13°♋38'10	
	5768 Jul 24 22:41	0°♌	
asc. node	5768 Jul 25 02:23	0°♌11'24	
superior conj	5768 Aug 17 21:06	29°♌27'47	0°53'00
minimum elong	5768 Aug 17 12:11	29°♌00'22	0°52'39
max. Earth dist.	5768 Aug 17 21:00	29°♌27'30	1.73408 AU
	5768 Aug 18 07:34	0°♍	
	5768 Sep 11 16:25	0°♎	
evening rise	5768 Sep 23 00:01	13°♎55'47	
	5768 Oct 06 01:31	0°♏	
	5768 Oct 30 11:39	0°♐	
desc. node	5768 Nov 13 18:02	17°♐29'16	
	5768 Nov 23 23:27	0°♑	
	5768 Dec 18 13:16	0°♒	
	5769 Jan 12 06:32	0°♓	
	5769 Feb 06 08:10	0°♈	
	5769 Mar 04 07:07	0°♉	
asc. node	5769 Mar 06 19:05	2°♉47'28	
evening max el	5769 Mar 26 10:59	23°♉46'23	46°57'07
	5769 Apr 01 18:19	0°♊	
greatest brilliancy	5769 May 05 13:15	24°♊39'40	-4.9m
retrograde	5769 May 15 23:54	26°♊43'05	
evening set	5769 May 31 22:29	21°♊44'46	
inferior conj	5769 Jun 06 02:02	18°♊37'47	4°47'40
minimum elong	5769 Jun 06 11:25	18°♊23'12	4°45'10
min. Earth dist.	5769 Jun 05 23:31	18°♊41'42	0.27880 AU
morning rise	5769 Jun 12 00:39	15°♊04'31	
desc. node	5769 Jun 26 10:54	10°♊39'26	
direct	5769 Jun 27 01:24	10°♊39'00	
greatest brilliancy	5769 Jul 06 22:41	12°♊26'06	-4.8m
	5769 Aug 03 04:03	0°♋	
morning max el	5769 Aug 15 01:10	10°♋48'29	45°48'47
	5769 Sep 03 00:30	0°♌	
	5769 Sep 30 07:35	0°♍	
asc. node	5769 Oct 17 12:06	19°♍47'36	
	5769 Oct 26 04:39	0°♎	
	5769 Nov 20 05:56	0°♏	
	5769 Dec 14 18:39	0°♐	
	5770 Jan 07 23:37	0°♑	
	5770 Jan 31 23:58	0°♒	
desc. node	5770 Feb 06 03:31	6°♒27'03	
morning set	5770 Feb 10 20:18	12°♒20'41	
	5770 Feb 24 21:38	0°♓	
	5770 Mar 20 18:05	0°♈	
superior conj	5770 Mar 24 02:37	4°♈13'20	-1°23'34
minimum elong	5770 Mar 23 19:51	3°♈52'01	1°23'29
max. Earth dist.	5770 Mar 25 10:33	5°♈53'44	1.71205 AU
	5770 Apr 13 15:00	0°♉	
evening rise	5770 May 03 17:40	25°♉10'50	
	5770 May 07 14:21	0°♊	
asc. node	5770 May 30 04:45	28°♊05'10	
	5770 May 31 17:53	0°♋	
	5770 Jun 25 02:58	0°♌	
	5770 Jul 19 19:08	0°♍	
	5770 Aug 13 21:11	0°♎	
	5770 Sep 08 14:54	0°♏	
desc. node	5770 Sep 18 20:14	11°♏36'16	
	5770 Oct 05 12:32	0°♐	
evening max el	5770 Oct 29 18:21	24°♐54'48	46°04'16
	5770 Nov 04 03:51	0°♑	

greatest brilliancy	5770 Dec 08 11:28	23°♑47'34	-4.8m
retrograde	5770 Dec 18 00:57	25°♑28'37	
evening set	5771 Jan 01 13:11	21°♑20'54	
inferior conj	5771 Jan 07 17:27	17°♑44'08	-0°33'28
minimum elong	5771 Jan 07 18:44	17°♑42'10	0°33'02
min. Earth dist.	5771 Jan 08 04:10	17°♑27'45	0.27019 AU
asc. node	5771 Jan 09 21:32	16°♑24'54	
morning rise	5771 Jan 13 23:47	14°♑03'57	
direct	5771 Jan 28 12:07	9°♑53'36	
greatest brilliancy	5771 Feb 08 02:37	12°♑01'35	-4.9m
	5771 Mar 06 12:03	0°♒	
morning max el	5771 Mar 20 03:46	13°♒04'23	46°59'13
	5771 Apr 05 04:28	0°♓	
desc. node	5771 May 01 13:21	29°♓53'13	
	5771 May 01 15:41	0°♈	
	5771 May 27 01:26	0°♉	
	5771 Jun 21 00:46	0°♊	
	5771 Jul 15 19:44	0°♋	
	5771 Aug 09 12:12	0°♌	
asc. node	5771 Aug 22 14:12	15°♌57'08	
	5771 Sep 03 01:57	0°♍	
morning set	5771 Sep 19 03:56	19°♍43'30	
	5771 Sep 27 12:28	0°♎	
	5771 Oct 21 19:57	0°♏	
max. Earth dist.	5771 Oct 23 11:27	2°♏02'06	1.72984 AU
superior conj	5771 Oct 25 15:23	4°♏42'42	1°23'18
minimum elong	5771 Oct 25 19:36	4°♏55'46	1°23'16
	5771 Nov 15 01:21	0°♐	
evening rise	5771 Dec 02 04:57	21°♐16'31	
	5771 Dec 09 05:35	0°♑	
desc. node	5771 Dec 12 05:57	3°♑44'42	
	5772 Jan 02 09:03	0°♒	
	5772 Jan 26 12:06	0°♓	
	5772 Feb 19 16:11	0°♈	
	5772 Mar 15 00:46	0°♉	
asc. node	5772 Apr 03 06:54	23°♉21'29	
	5772 Apr 08 20:02	0°♊	
	5772 May 04 12:48	0°♋	
	5772 Jun 01 05:08	0°♌	
evening max el	5772 Jun 05 19:52	4°♌37'11	46°04'26
	5772 Jul 06 22:53	0°♍	
greatest brilliancy	5772 Jul 14 01:45	3°♍25'16	-4.8m
desc. node	5772 Jul 23 22:44	5°♍37'56	
retrograde	5772 Jul 25 04:56	5°♍39'47	
evening set	5772 Aug 09 18:34	0°♍58'06	
	5772 Aug 11 10:41	30°℞♌	
min. Earth dist.	5772 Aug 15 03:56	27°♌42'39	0.28911 AU
inferior conj	5772 Aug 15 16:19	27°♌23'12	-5°05'38
minimum elong	5772 Aug 15 06:58	27°♌37'53	5°03'25
morning rise	5772 Aug 20 19:46	24°♌15'17	
direct	5772 Sep 06 05:14	19°♌10'03	
greatest brilliancy	5772 Sep 16 03:59	20°♌57'24	-4.7m
	5772 Oct 02 16:11	0°♍	
morning max el	5772 Oct 25 00:59	19°♍06'04	45°47'37
	5772 Nov 04 22:47	0°♎	
asc. node	5772 Nov 14 00:02	9°♎33'07	
	5772 Dec 02 09:51	0°♏	
	5772 Dec 28 01:17	0°♐	
	5773 Jan 21 20:03	0°♑	
	5773 Feb 15 04:07	0°♒	
desc. node	5773 Mar 05 15:27	22°♒58'48	
	5773 Mar 11 06:28	0°♓	
	5773 Apr 04 06:01	0°♈	
morning set	5773 Apr 28 11:50	0°♉21'08	
	5773 Apr 28 05:05	0°♉	
	5773 May 22 05:35	0°♊	
superior conj	5773 Jun 06 18:03	19°♊18'37	-0°45'44
minimum elong	5773 Jun 07 03:27	19°♊47'48	0°45'22
max. Earth dist.	5773 Jun 10 09:27	23°♊49'58	1.72432 AU
	5773 Jun 15 08:45	0°♋	
asc. node	5773 Jun 26 16:32	14°♋01'32	
	5773 Jul 09 14:57	0°♌	
evening rise	5773 Jul 14 23:45	6°♌37'03	
	5773 Aug 03 00:07	0°♍	
	5773 Aug 27 12:40	0°♎	
	5773 Sep 21 05:54	0°♏	
desc. node	5773 Oct 16 08:13	0°♐07'07	
	5773 Oct 16 05:50	0°♐	
	5773 Nov 10 15:07	0°♑	
	5773 Dec 06 15:19	0°♒	
	5774 Jan 03 00:15	0°♓	
evening max el	5774 Jan 10 14:23	7°♓47'12	46°57'15
	5774 Feb 04 13:13	0°♈	
asc. node	5774 Feb 06 09:21	1°♈19'12	
greatest brilliancy	5774 Feb 20 04:03	8°♈52'03	-4.9m
retrograde	5774 Mar 02 03:04	10°♈45'04	
evening set	5774 Mar 19 09:31	4°♈59'32	
inferior conj	5774 Mar 22 19:05	2°♈55'06	8°42'18
minimum elong	5774 Mar 22 12:38	3°♈05'04	8°41'41
min. Earth dist.	5774 Mar 22 07:29	3°♈13'01	0.27011 AU
morning rise	5774 Mar 25 15:51	1°♈09'56	
	5774 Mar 27 15:44	30°℞♓	
direct	5774 Apr 12 08:16	25°♓10'38	
greatest brilliancy	5774 Apr 21 15:40	26°♓48'32	-4.9m
	5774 Apr 28 20:31	0°♈	
desc. node	5774 May 29 01:11	23°♈58'36	
morning max el	5774 Jun 01 07:45	27°♈10'41	46°32'08
	5774 Jun 04 03:37	0°♉	
	5774 Jul 02 05:32	0°♊	
	5774 Jul 28 13:56	0°♋	
	5774 Aug 23 04:35	0°♌	
	5774 Sep 17 08:06	0°♍	
asc. node	5774 Sep 19 02:10	2°♍06'31	
	5774 Oct 12 02:34	0°♎	
	5774 Nov 05 13:37	0°♏	
morning set	5774 Nov 27 01:40	26°♏36'21	
	5774 Nov 29 19:15	0°♐	
	5774 Dec 23 21:20	0°♑	
max. Earth dist.	5775 Jan 01 18:35	11°♑06'10	1.71756 AU
superior conj	5775 Jan 04 14:52	14°♑39'38	0°09'58
minimum elong	5775 Jan 04 17:20	14°♑47'19	0°09'52
behind sun begin	5775 Jan 03 21:14	13°♑44'28	
behind sun end	5775 Jan 05 13:26	15°♑50'11	
desc. node	5775 Jan 08 17:43	19°♑48'45	
	5775 Jan 16 21:02	0°♒	
	5775 Feb 09 19:07	0°♓	
evening rise	5775 Feb 13 20:34	5°♓05'46	
	5775 Mar 05 16:42	0°♈	
	5775 Mar 29 15:46	0°♉	
	5775 Apr 22 19:08	0°♊	
asc. node	5775 May 01 18:53	11°♊04'59	
	5775 May 17 06:12	0°♋	
	5775 Jun 11 05:19	0°♌	
	5775 Jul 07 00:25	0°♍	
	5775 Aug 03 11:15	0°♎	
evening max el	5775 Aug 16 08:03	12°♎53'01	45°34'09
desc. node	5775 Aug 21 10:33	17°♎40'53	
	5775 Sep 05 01:13	0°♏	
greatest brilliancy	5775 Sep 24 07:33	10°♏58'07	-4.7m
retrograde	5775 Oct 04 01:06	12°♏41'19	
evening set	5775 Oct 22 03:08	6°♏35'58	
inferior conj	5775 Oct 25 10:44	4°♏33'26	-8°26'34

minimum elong	5775 Oct 25 15:02	4°♏26'43	8°26'18
min. Earth dist.	5775 Oct 26 02:17	4°♏09'09	0.28810 AU
morning rise	5775 Oct 29 02:43	2°♏17'40	
	5775 Nov 02 04:27	30°℞♎	
direct	5775 Nov 15 21:36	26°♎16'49	
greatest brilliancy	5775 Nov 26 23:52	28°♎31'42	-4.8m
	5775 Nov 30 09:14	0°♏	
asc. node	5775 Dec 12 11:40	7°♏29'19	
morning max el	5776 Jan 04 22:32	28°♏17'51	46°28'35
	5776 Jan 06 15:07	0°♐	
	5776 Feb 03 06:38	0°♑	
	5776 Feb 28 22:04	0°♒	
	5776 Mar 24 17:57	0°♓	
desc. node	5776 Apr 02 03:26	10°♓15'48	
	5776 Apr 18 04:45	0°♈	
	5776 May 12 11:43	0°♉	
	5776 Jun 05 17:59	0°♊	
	5776 Jun 30 01:10	0°♋	
morning set	5776 Jul 09 08:04	11°♋26'56	
asc. node	5776 Jul 24 04:17	29°♋43'57	
	5776 Jul 24 09:29	0°♌	
superior conj	5776 Aug 15 14:41	27°♌21'05	0°50'25
minimum elong	5776 Aug 15 05:57	26°♌54'12	0°50'03
max. Earth dist.	5776 Aug 15 17:47	27°♌30'37	1.73400 AU
	5776 Aug 17 18:19	0°♍	
	5776 Sep 11 03:12	0°♎	
evening rise	5776 Sep 20 18:07	11°♎50'31	
	5776 Oct 05 12:27	0°♏	
	5776 Oct 29 22:50	0°♐	
desc. node	5776 Nov 12 20:05	17°♐00'43	
	5776 Nov 23 10:59	0°♑	
	5776 Dec 18 01:22	0°♒	
	5777 Jan 11 19:29	0°♓	
	5777 Feb 05 22:30	0°♈	
	5777 Mar 04 00:15	0°♉	
asc. node	5777 Mar 05 21:06	2°♉04'30	
evening max el	5777 Mar 24 01:55	21°♉26'30	46°58'21
	5777 Apr 01 20:03	0°♊	
greatest brilliancy	5777 May 03 04:12	22°♊20'26	-4.9m
retrograde	5777 May 13 15:19	24°♊24'14	
evening set	5777 May 29 15:55	19°♊21'48	
inferior conj	5777 Jun 03 16:31	16°♊19'08	5°06'22
minimum elong	5777 Jun 04 02:16	16°♊04'00	5°03'51
min. Earth dist.	5777 Jun 03 13:55	16°♊23'10	0.27850 AU
morning rise	5777 Jun 09 12:59	12°♊49'19	
direct	5777 Jun 24 15:53	8°♊20'51	
desc. node	5777 Jun 25 12:47	8°♊21'45	
greatest brilliancy	5777 Jul 04 12:07	10°♊07'44	-4.8m
	5777 Aug 03 09:03	0°♋	
morning max el	5777 Aug 12 17:02	8°♋36'29	45°49'43
	5777 Sep 02 17:53	0°♌	
	5777 Sep 29 21:37	0°♍	
asc. node	5777 Oct 16 14:08	19°♍15'42	
	5777 Oct 25 17:13	0°♎	
	5777 Nov 19 17:45	0°♏	
	5777 Dec 14 06:04	0°♐	
	5778 Jan 07 10:49	0°♑	
	5778 Jan 31 11:04	0°♒	
desc. node	5778 Feb 05 05:32	5°♒58'38	
morning set	5778 Feb 08 07:25	9°♒50'15	
	5778 Feb 24 08:42	0°♓	
	5778 Mar 20 05:09	0°♈	
superior conj	5778 Mar 21 13:21	1°♈41'16	-1°22'21
minimum elong	5778 Mar 21 05:41	1°♈17'11	1°22'14
max. Earth dist.	5778 Mar 22 19:45	3°♈16'55	1.71193 AU
	5778 Apr 13 02:05	0°♉	
evening rise	5778 May 01 05:12	22°♉42'20	
	5778 May 07 01:27	0°♊	
asc. node	5778 May 29 06:40	27°♊36'25	
	5778 May 31 05:05	0°♋	
	5778 Jun 24 14:22	0°♌	
	5778 Jul 19 06:55	0°♍	
	5778 Aug 13 09:42	0°♎	
	5778 Sep 08 04:51	0°♏	
desc. node	5778 Sep 17 22:20	11°♏00'25	
	5778 Oct 05 05:37	0°♐	
evening max el	5778 Oct 27 09:10	22°♐38'29	46°02'25
	5778 Nov 04 06:45	0°♑	
greatest brilliancy	5778 Dec 06 01:00	21°♑25'24	-4.8m
retrograde	5778 Dec 15 13:47	23°♑05'20	
evening set	5778 Dec 30 03:40	18°♑56'13	
inferior conj	5779 Jan 05 06:41	15°♑20'41	-0°56'53
minimum elong	5779 Jan 05 08:51	15°♑17'21	0°56'11
min. Earth dist.	5779 Jan 05 18:28	15°♑02'37	0.27059 AU
asc. node	5779 Jan 08 23:29	13°♑06'38	
morning rise	5779 Jan 11 13:32	11°♑39'25	
direct	5779 Jan 26 02:08	7°♑29'38	
greatest brilliancy	5779 Feb 05 17:10	9°♑37'53	-4.9m
	5779 Mar 06 17:23	0°♒	
morning max el	5779 Mar 17 17:10	10°♒39'31	46°59'05
	5779 Apr 04 22:32	0°♓	
desc. node	5779 Apr 30 15:25	29°♓16'10	
	5779 May 01 06:26	0°♈	
	5779 May 26 14:36	0°♉	
	5779 Jun 20 13:02	0°♊	
	5779 Jul 15 07:25	0°♋	
	5779 Aug 08 23:29	0°♌	
asc. node	5779 Aug 21 16:17	15°♌29'37	
	5779 Sep 02 12:58	0°♍	
morning set	5779 Sep 16 21:23	17°♍36'14	
	5779 Sep 26 23:19	0°♎	
max. Earth dist.	5779 Oct 21 04:03	29°♎51'34	1.73017 AU
	5779 Oct 21 06:46	0°♏	
superior conj	5779 Oct 23 08:35	2°♏33'59	1°23'59
minimum elong	5779 Oct 23 12:09	2°♏44'58	1°23'58
	5779 Nov 14 12:16	0°♐	
evening rise	5779 Nov 29 19:51	18°♐59'31	
	5779 Dec 08 16:42	0°♑	
desc. node	5779 Dec 11 07:51	3°♑16'03	
	5780 Jan 01 20:23	0°♒	
	5780 Jan 25 23:41	0°♓	
	5780 Feb 19 04:06	0°♈	
	5780 Mar 14 13:13	0°♉	
asc. node	5780 Apr 02 09:00	22°♉48'18	
	5780 Apr 08 09:27	0°♊	
	5780 May 04 04:11	0°♋	
	5780 Jun 01 01:53	0°♌	
evening max el	5780 Jun 03 11:04	2°♌22'13	46°06'04
	5780 Jul 08 19:57	0°♍	
greatest brilliancy	5780 Jul 11 18:42	1°♍15'24	-4.8m
retrograde	5780 Jul 22 20:49	3°♍29'18	
desc. node	5780 Jul 23 00:46	3°♍29'16	
	5780 Aug 05 04:51	30°℞♌	
evening set	5780 Aug 07 08:55	28°♌50'42	
inferior conj	5780 Aug 13 08:35	25°♌13'10	-4°49'25
minimum elong	5780 Aug 12 23:30	25°♌27'26	4°47'11
min. Earth dist.	5780 Aug 12 20:19	25°♌32'26	0.28879 AU
morning rise	5780 Aug 18 14:27	22°♌01'32	
direct	5780 Sep 03 20:57	17°♌00'34	
greatest brilliancy	5780 Sep 13 19:47	18°♌47'32	-4.7m
	5780 Oct 03 06:43	0°♍	

morning max el	5780 Oct 22 15:01	16°♍50'40	45°46'47	
	5780 Nov 04 17:21	0°♎		
asc. node	5780 Nov 13 01:58	8°♎52'54		
	5780 Dec 02 00:22	0°♏		
	5780 Dec 27 14:12	0°♐		
	5781 Jan 21 08:13	0°♑		
	5781 Feb 14 15:51	0°♒		
desc. node	5781 Mar 04 17:31	22°♒29'20		
	5781 Mar 10 17:55	0°♓		
	5781 Apr 03 17:15	0°♈		
morning set	5781 Apr 26 00:04	27°♈54'34		
	5781 Apr 27 16:09	0°♉		
	5781 May 21 16:32	0°♊		
superior conj	5781 Jun 04 08:28	17°♊00'30	-0°48'45	
minimum elong	5781 Jun 04 18:17	17°♊31'00	0°48'22	
max. Earth dist.	5781 Jun 08 01:35	21°♊37'15	1.72380 AU	
	5781 Jun 14 19:38	0°♋		
asc. node	5781 Jun 25 18:29	13°♋33'58		
	5781 Jul 09 01:49	0°♌		
evening rise	5781 Jul 12 16:30	4°♌27'09		
	5781 Aug 02 11:06	0°♍		
	5781 Aug 26 23:53	0°♎		
	5781 Sep 20 17:33	0°♏		
desc. node	5781 Oct 15 10:11	29°♏36'11		
	5781 Oct 15 18:12	0°♐		
	5781 Nov 10 04:41	0°♑		
	5781 Dec 06 07:06	0°♒		
	5782 Jan 02 21:12	0°♓		
evening max el	5782 Jan 08 02:39	5°♓19'21	46°55'52	
asc. node	5782 Feb 05 11:26	29°♓55'30		
	5782 Feb 05 14:07	0°♈		
greatest brilliancy	5782 Feb 17 17:27	6°♈24'52	-4.9m	
retrograde	5782 Feb 27 15:36	8°♈17'37		
evening set	5782 Mar 16 18:10	2°♈38'26		
inferior conj	5782 Mar 20 07:51	0°♈28'14	8°34'44	
minimum elong	5782 Mar 20 00:36	0°♈39'24	8°33'56	
min. Earth dist.	5782 Mar 19 20:22	0°♈45'56	0.26984 AU	
	5782 Mar 21 02:10	30°℞♓		
morning rise	5782 Mar 23 07:08	28°♓39'26		
direct	5782 Apr 09 20:16	22°♓43'48		
greatest brilliancy	5782 Apr 19 05:03	24°♓22'53	-4.9m	
	5782 Apr 30 12:45	0°♈		
desc. node	5782 May 28 03:02	23°♈04'02		
morning max el	5782 May 29 20:39	24°♈46'26	46°33'58	
	5782 Jun 04 01:18	0°♉		
	5782 Jul 01 21:22	0°♊		
	5782 Jul 28 03:25	0°♋		
	5782 Aug 22 16:51	0°♌		
	5782 Sep 16 19:39	0°♍		
asc. node	5782 Sep 18 04:10	1°♍37'52		
	5782 Oct 11 13:43	0°♎		
	5782 Nov 05 00:35	0°♏		
morning set	5782 Nov 24 17:26	24°♏22'31		
	5782 Nov 29 06:08	0°♐		
	5782 Dec 23 08:13	0°♑		
max. Earth dist.	5782 Dec 30 09:58	8°♑50'07	1.71799 AU	
superior conj	5783 Jan 02 03:41	12°♑15'33	0°13'40	
minimum elong	5783 Jan 02 07:02	12°♑26'00	0°13'31	
behind sun begin	5783 Jan 01 17:09	11°♑42'36		
behind sun end	5783 Jan 02 20:55	13°♑09'24		
desc. node	5783 Jan 07 19:44	19°♑20'55		
	5783 Jan 16 07:58	0°♒		
	5783 Feb 09 06:10	0°♓		
evening rise	5783 Feb 11 07:58	2°♓36'14		
	5783 Mar 05 03:53	0°♈		
	5783 Mar 29 03:07	0°♉		
	5783 Apr 22 06:43	0°♊		
asc. node	5783 Apr 30 20:47	10°♊34'51		
	5783 May 16 18:10	0°♋		
	5783 Jun 10 18:04	0°♌		
	5783 Jul 06 14:47	0°♍		
	5783 Aug 03 05:46	0°♎		
evening max el	5783 Aug 13 23:20	10°♎41'13	45°34'17	
desc. node	5783 Aug 20 12:36	16°♎48'30		
	5783 Sep 05 16:27	0°♏		
greatest brilliancy	5783 Sep 21 20:51	8°♏45'14	-4.7m	
retrograde	5783 Oct 01 17:05	10°♏30'25		
evening set	5783 Oct 19 19:37	4°♏22'57		
inferior conj	5783 Oct 23 02:28	2°♏21'30	-8°30'15	
minimum elong	5783 Oct 23 06:02	2°♏15'56	8°30'03	
min. Earth dist.	5783 Oct 23 16:39	1°♏59'22	0.28857 AU	
morning rise	5783 Oct 26 16:17	0°♏09'09		
	5783 Oct 26 22:23	30°℞♎		
direct	5783 Nov 13 14:02	24°♎04'25		
greatest brilliancy	5783 Nov 24 15:07	26°♎18'32	-4.8m	
	5783 Dec 02 04:56	0°♏		
asc. node	5783 Dec 11 13:37	6°♏19'26		
morning max el	5784 Jan 02 14:43	26°♏03'45	46°26'59	
	5784 Jan 06 11:58	0°♐		
	5784 Feb 02 22:08	0°♑		
	5784 Feb 28 11:33	0°♒		
	5784 Mar 24 06:25	0°♓		
desc. node	5784 Apr 01 05:26	9°♓44'25		
	5784 Apr 17 16:37	0°♈		
	5784 May 11 23:11	0°♉		
	5784 Jun 05 05:08	0°♊		
	5784 Jun 29 12:04	0°♋		
morning set	5784 Jul 07 00:24	9°♋15'58		
asc. node	5784 Jul 23 06:24	29°♋17'30		
	5784 Jul 23 20:12	0°♌		
superior conj	5784 Aug 13 08:17	25°♌14'46	0°47'46	
minimum elong	5784 Aug 12 23:46	24°♌48'32	0°47'24	
max. Earth dist.	5784 Aug 13 16:04	25°♌38'43	1.73388 AU	
	5784 Aug 17 04:57	0°♍		
	5784 Sep 10 13:52	0°♎		
evening rise	5784 Sep 18 12:19	9°♎45'58		
	5784 Oct 04 23:15	0°♏		
	5784 Oct 29 09:55	0°♐		
desc. node	5784 Nov 11 22:00	16°♐31'57		
	5784 Nov 22 22:29	0°♑		
	5784 Dec 17 13:27	0°♒		
	5785 Jan 11 08:25	0°♓		
	5785 Feb 05 12:50	0°♈		
	5785 Mar 03 17:33	0°♉		
asc. node	5785 Mar 04 23:08	1°♉21'40		
evening max el	5785 Mar 21 17:13	19°♉08'00	46°59'34	
	5785 Apr 01 22:59	0°♊		
greatest brilliancy	5785 Apr 30 19:15	20°♊01'51	-4.9m	
retrograde	5785 May 11 06:42	22°♊05'31		
evening set	5785 May 27 09:26	16°♊59'09		
inferior conj	5785 Jun 01 06:55	14°♊00'43	5°24'44	
minimum elong	5785 Jun 01 16:59	13°♊45'05	5°22'12	
min. Earth dist.	5785 Jun 01 04:06	14°♊05'06	0.27820 AU	
morning rise	5785 Jun 07 00:58	10°♊34'30		
direct	5785 Jun 22 06:29	6°♊03'07		
desc. node	5785 Jun 24 14:53	6°♊09'37		
greatest brilliancy	5785 Jul 02 01:05	7°♊49'04	-4.8m	
	5785 Aug 03 12:02	0°♋		
morning max el	5785 Aug 10 08:29	6°♋23'59	45°50'42	
	5785 Sep 02 10:40	0°♌		
	5785 Sep 29 11:16	0°♍		

asc. node	5785 Oct 15 16:05	18°♍44'30	
	5785 Oct 25 05:27	0°♎	
	5785 Nov 19 05:17	0°♏	
	5785 Dec 13 17:14	0°♐	
	5786 Jan 06 21:49	0°♑	
	5786 Jan 30 22:01	0°♒	
desc. node	5786 Feb 04 07:39	5°♒31'03	
morning set	5786 Feb 05 18:19	7°♒19'44	
	5786 Feb 23 19:36	0°♓	
superior conj	5786 Mar 18 23:46	29°♓08'56	-1°20'56
minimum elong	5786 Mar 18 15:16	28°♓42'13	1°20'46
	5786 Mar 19 16:00	0°♈	
max. Earth dist.	5786 Mar 20 03:19	0°♈35'35	1.71176 AU
	5786 Apr 12 12:54	0°♉	
evening rise	5786 Apr 28 16:26	20°♉13'32	
	5786 May 06 12:19	0°♊	
asc. node	5786 May 28 08:40	27°♊08'45	
	5786 May 30 16:03	0°♋	
	5786 Jun 24 01:33	0°♌	
	5786 Jul 18 18:30	0°♍	
	5786 Aug 12 22:02	0°♎	
	5786 Sep 07 18:39	0°♏	
desc. node	5786 Sep 17 00:20	10°♏24'58	
	5786 Oct 04 22:43	0°♐	
evening max el	5786 Oct 24 23:02	20°♐20'56	46°00'33
	5786 Nov 04 10:52	0°♑	
greatest brilliancy	5786 Dec 03 14:56	19°♑04'44	-4.8m
retrograde	5786 Dec 13 02:04	20°♑43'08	
evening set	5786 Dec 27 18:18	16°♑32'09	
inferior conj	5787 Jan 02 19:55	12°♑58'18	-1°20'12
minimum elong	5787 Jan 02 22:58	12°♑53'37	1°19'12
min. Earth dist.	5787 Jan 03 09:05	12°♑38'06	0.27106 AU
asc. node	5787 Jan 08 01:36	9°♑50'57	
morning rise	5787 Jan 09 03:02	9°♑16'05	
direct	5787 Jan 23 15:40	5°♑06'25	
greatest brilliancy	5787 Feb 03 08:20	7°♑15'36	-4.9m
	5787 Mar 06 20:41	0°♒	
morning max el	5787 Mar 15 05:56	8°♒13'28	46°58'52
	5787 Apr 04 16:01	0°♓	
desc. node	5787 Apr 29 17:21	28°♓39'45	
	5787 Apr 30 20:46	0°♈	
	5787 May 26 03:24	0°♉	
	5787 Jun 20 00:56	0°♊	
	5787 Jul 14 18:45	0°♋	
	5787 Aug 08 10:25	0°♌	
asc. node	5787 Aug 20 18:16	15°♌02'45	
	5787 Sep 01 23:39	0°♍	
morning set	5787 Sep 14 14:51	15°♍29'56	
	5787 Sep 26 09:52	0°♎	
max. Earth dist.	5787 Oct 18 20:47	27°♎42'29	1.73048 AU
	5787 Oct 20 17:17	0°♏	
superior conj	5787 Oct 21 02:03	0°♏27'05	1°24'33
minimum elong	5787 Oct 21 04:55	0°♏35'56	1°24'32
	5787 Nov 13 22:52	0°♐	
evening rise	5787 Nov 27 11:04	16°♐44'43	
	5787 Dec 08 03:28	0°♑	
desc. node	5787 Dec 10 09:56	2°♑49'03	
	5788 Jan 01 07:23	0°♒	
	5788 Jan 25 10:59	0°♓	
	5788 Feb 18 15:47	0°♈	
	5788 Mar 14 01:29	0°♉	
asc. node	5788 Apr 01 10:53	22°♉15'04	
	5788 Apr 07 22:43	0°♊	
	5788 May 03 19:33	0°♋	
	5788 May 31 23:04	0°♌	
evening max el	5788 Jun 01 01:22	0°♌05'41	46°07'56
greatest brilliancy	5788 Jul 09 11:21	29°♌05'48	-4.8m
	5788 Jul 12 02:09	0°♍	
retrograde	5788 Jul 20 12:41	1°♍19'36	
desc. node	5788 Jul 22 02:51	1°♍16'36	
	5788 Jul 28 16:26	30°℞♌	
evening set	5788 Aug 04 23:18	26°♌43'29	
min. Earth dist.	5788 Aug 10 12:43	23°♌22'39	0.28847 AU
inferior conj	5788 Aug 11 00:45	23°♌03'45	-4°32'36
minimum elong	5788 Aug 10 16:00	23°♌17'29	4°30'24
morning rise	5788 Aug 16 09:00	19°♌48'37	
direct	5788 Sep 01 12:14	14°♌51'29	
greatest brilliancy	5788 Sep 11 11:53	16°♌38'45	-4.7m
	5788 Oct 03 17:07	0°♍	
morning max el	5788 Oct 20 05:31	14°♍37'19	45°46'08
	5788 Nov 04 11:05	0°♎	
asc. node	5788 Nov 12 03:55	8°♎14'07	
	5788 Dec 01 14:22	0°♏	
	5788 Dec 27 02:42	0°♐	
	5789 Jan 20 19:59	0°♑	
	5789 Feb 14 03:12	0°♒	
desc. node	5789 Mar 03 19:29	22°♒00'44	
	5789 Mar 10 05:00	0°♓	
	5789 Apr 03 04:11	0°♈	
morning set	5789 Apr 23 11:44	25°♈26'58	
	5789 Apr 27 02:58	0°♉	
	5789 May 21 03:14	0°♊	
superior conj	5789 Jun 01 22:21	14°♊41'21	-0°51'44
minimum elong	5789 Jun 02 08:31	15°♊12'58	0°51'21
max. Earth dist.	5789 Jun 05 14:39	19°♊15'45	1.72327 AU
	5789 Jun 14 06:15	0°♋	
asc. node	5789 Jun 24 20:34	13°♋07'36	
	5789 Jul 08 12:25	0°♌	
evening rise	5789 Jul 10 08:46	2°♌16'41	
	5789 Aug 01 21:47	0°♍	
	5789 Aug 26 10:50	0°♎	
	5789 Sep 20 04:58	0°♏	
desc. node	5789 Oct 14 12:08	29°♏05'49	
	5789 Oct 15 06:22	0°♐	
	5789 Nov 09 18:05	0°♑	
	5789 Dec 05 22:47	0°♒	
	5790 Jan 02 18:27	0°♓	
evening max el	5790 Jan 05 15:34	2°♓54'34	46°54'36
asc. node	5790 Feb 04 13:23	28°♓30'07	
	5790 Feb 07 00:02	0°♈	
greatest brilliancy	5790 Feb 15 06:12	3°♈58'17	-4.9m
retrograde	5790 Feb 25 04:43	5°♈51'38	
evening set	5790 Mar 14 02:41	0°♈18'39	
	5790 Mar 14 15:19	30°℞♓	
inferior conj	5790 Mar 17 20:38	28°♓02'30	8°26'05
minimum elong	5790 Mar 17 12:41	28°♓14'43	8°25'06
min. Earth dist.	5790 Mar 17 08:57	28°♓20'28	0.26960 AU
morning rise	5790 Mar 20 22:47	26°♓09'44	
direct	5790 Apr 07 08:45	20°♓18'07	
greatest brilliancy	5790 Apr 16 18:02	21°♓57'56	-4.9m
	5790 May 01 16:14	0°♈	
desc. node	5790 May 27 05:10	22°♈12'02	
morning max el	5790 May 27 10:38	22°♈25'36	46°35'33
	5790 Jun 03 21:58	0°♉	
	5790 Jul 01 12:45	0°♊	
	5790 Jul 27 16:35	0°♋	
	5790 Aug 22 04:49	0°♌	
	5790 Sep 16 06:56	0°♍	
asc. node	5790 Sep 17 06:06	1°♍09'46	
	5790 Oct 11 00:38	0°♎	
	5790 Nov 04 11:19	0°♏	

morning set	5790 Nov 22	09:16	22°♏09'38	
	5790 Nov 28	16:49	0°♐	
	5790 Dec 22	18:54	0°♑	
max. Earth dist.	5790 Dec 28	00:37	6°♑32'29	1.71838 AU
superior conj	5790 Dec 30	16:44	9°♑52'46	0°17'20
minimum elong	5790 Dec 30	20:55	10°♑05'51	0°17'09
desc. node	5791 Jan 06	21:49	18°♑53'55	
	5791 Jan 15	18:42	0°♒	
evening rise	5791 Feb 08	19:39	0°♓08'25	
	5791 Feb 08	16:58	0°♓	
	5791 Mar 04	14:48	0°♈	
	5791 Mar 28	14:11	0°♉	
	5791 Apr 21	18:02	0°♊	
asc. node	5791 Apr 29	22:49	10°♊05'50	
	5791 May 16	05:57	0°♋	
	5791 Jun 10	06:42	0°♌	
	5791 Jul 06	05:12	0°♍	
	5791 Aug 03	00:41	0°♎	
evening max el	5791 Aug 11	15:28	8°♎31'50	45°34'32
desc. node	5791 Aug 19	14:36	15°♎55'19	
	5791 Sep 06	12:47	0°♏	
greatest brilliancy	5791 Sep 19	10:24	6°♏33'12	-4.7m
retrograde	5791 Sep 29	08:59	8°♏19'57	
evening set	5791 Oct 17	11:52	2°♏11'07	
inferior conj	5791 Oct 20	18:14	0°♏10'11	-8°33'09
minimum elong	5791 Oct 20	21:03	0°♏05'45	8°33'01
	5791 Oct 21	00:45	30°℞♎	
min. Earth dist.	5791 Oct 21	06:53	29°♎50'24	0.28899 AU
morning rise	5791 Oct 24	06:07	28°♎00'41	
direct	5791 Nov 11	06:43	21°♎52'50	
greatest brilliancy	5791 Nov 22	05:43	24°♎05'11	-4.8m
	5791 Dec 03	10:23	0°♏	
asc. node	5791 Dec 10	15:47	5°♏12'19	
morning max el	5791 Dec 31	06:48	23°♏49'57	46°25'18
	5792 Jan 06	08:01	0°♐	
	5792 Feb 02	13:18	0°♑	
	5792 Feb 28	00:49	0°♒	
	5792 Mar 23	18:42	0°♓	
desc. node	5792 Mar 31	07:23	9°♓13'28	
	5792 Apr 17	04:17	0°♈	
	5792 May 11	10:26	0°♉	
	5792 Jun 04	16:04	0°♊	
	5792 Jun 28	22:48	0°♋	
morning set	5792 Jul 04	16:51	7°♋05'41	
asc. node	5792 Jul 22	08:22	28°♋50'53	
	5792 Jul 23	06:49	0°♌	
superior conj	5792 Aug 11	01:49	23°♌08'23	0°45'02
minimum elong	5792 Aug 10	17:34	22°♌43'01	0°44'40
max. Earth dist.	5792 Aug 11	14:04	23°♌46'06	1.73376 AU
	5792 Aug 16	15:31	0°♍	
	5792 Sep 10	00:29	0°♎	
evening rise	5792 Sep 16	06:24	7°♎41'11	
	5792 Oct 04	10:01	0°♏	
	5792 Oct 28	20:57	0°♐	
desc. node	5792 Nov 11	00:05	16°♐03'49	
	5792 Nov 22	09:58	0°♑	
	5792 Dec 17	01:34	0°♒	
	5793 Jan 10	21:26	0°♓	
	5793 Feb 05	03:20	0°♈	
	5793 Mar 03	11:10	0°♉	
asc. node	5793 Mar 04	01:06	0°♉38'11	
evening max el	5793 Mar 19	08:38	16°♉49'54	47°00'47
	5793 Apr 02	03:29	0°♊	
greatest brilliancy	5793 Apr 28	11:06	17°♊44'50	-4.9m
retrograde	5793 May 08	21:58	19°♊47'30	
evening set	5793 May 25	03:15	14°♊37'24	
inferior conj	5793 May 29	21:34	11°♊43'17	5°42'24
minimum elong	5793 May 30	07:52	11°♊27'15	5°39'52
min. Earth dist.	5793 May 29	18:39	11°♊47'49	0.27787 AU
morning rise	5793 Jun 04	12:57	8°♊20'40	
direct	5793 Jun 19	21:10	3°♊46'29	
desc. node	5793 Jun 23	16:56	4°♊03'28	
greatest brilliancy	5793 Jun 29	14:19	5°♊31'15	-4.8m
	5793 Aug 03	13:24	0°♋	
morning max el	5793 Aug 07	23:17	4°♋10'00	45°51'34
	5793 Sep 02	03:06	0°♌	
	5793 Sep 29	00:50	0°♍	
asc. node	5793 Oct 14	18:06	18°♍13'24	
	5793 Oct 24	17:42	0°♎	
	5793 Nov 18	16:51	0°♏	
	5793 Dec 13	04:27	0°♐	
	5794 Jan 06	08:52	0°♑	
	5794 Jan 30	09:01	0°♒	
morning set	5794 Feb 03	05:16	4°♒49'06	
desc. node	5794 Feb 03	09:31	5°♒02'27	
	5794 Feb 23	06:35	0°♓	
superior conj	5794 Mar 16	10:14	26°♓36'26	-1°19'21
minimum elong	5794 Mar 16	00:59	26°♓07'20	1°19'10
max. Earth dist.	5794 Mar 17	07:12	27°♓42'20	1.71162 AU
	5794 Mar 19	02:58	0°♈	
	5794 Apr 11	23:51	0°♉	
evening rise	5794 Apr 26	03:39	17°♉44'17	
	5794 May 05	23:16	0°♊	
asc. node	5794 May 27	10:45	26°♊41'06	
	5794 May 30	03:05	0°♋	
	5794 Jun 23	12:48	0°♌	
	5794 Jul 18	06:09	0°♍	
	5794 Aug 12	10:30	0°♎	
	5794 Sep 07	08:43	0°♏	
desc. node	5794 Sep 16	02:16	9°♏48'39	
	5794 Oct 04	16:23	0°♐	
evening max el	5794 Oct 22	12:18	18°♐01'33	45°58'43
	5794 Nov 04	17:13	0°♑	
greatest brilliancy	5794 Dec 01	05:15	16°♑44'15	-4.8m
retrograde	5794 Dec 10	14:22	18°♑21'11	
evening set	5794 Dec 25	09:13	14°♑07'43	
inferior conj	5794 Dec 31	09:21	10°♑36'01	-1°43'07
minimum elong	5794 Dec 31	13:15	10°♑30'03	1°41'52
min. Earth dist.	5795 Jan 01	00:05	10°♑13'23	0.27156 AU
morning rise	5795 Jan 06	16:31	6°♑53'14	
asc. node	5795 Jan 07	03:31	6°♑38'37	
direct	5795 Jan 21	05:04	2°♑43'01	
greatest brilliancy	5795 Feb 01	00:09	4°♑53'57	-4.9m
	5795 Mar 06	22:40	0°♒	
morning max el	5795 Mar 12	18:50	5°♒47'11	46°58'35
	5795 Apr 04	09:20	0°♓	
desc. node	5795 Apr 28	19:24	28°♓03'19	
	5795 Apr 30	11:10	0°♈	
	5795 May 25	16:20	0°♉	
	5795 Jun 19	13:00	0°♊	
	5795 Jul 14	06:14	0°♋	
	5795 Aug 07	21:31	0°♌	
asc. node	5795 Aug 19	20:11	14°♌35'13	
	5795 Sep 01	10:30	0°♍	
morning set	5795 Sep 12	08:35	13°♍23'52	
	5795 Sep 25	20:36	0°♎	
max. Earth dist.	5795 Oct 16	15:06	25°♎37'31	1.73085 AU
superior conj	5795 Oct 18	19:43	28°♎20'07	1°24'58
minimum elong	5795 Oct 18	21:53	28°♎26'48	1°24'59
	5795 Oct 20	04:03	0°♏	

	5795 Nov 13 09:45	0°♐	
evening rise	5795 Nov 25 02:26	14°♐29'37	
	5795 Dec 07 14:31	0°♑	
desc. node	5795 Dec 09 11:59	2°♑21'01	
	5795 Dec 31 18:40	0°♒	
	5796 Jan 24 22:34	0°♓	
	5796 Feb 18 03:46	0°♈	
	5796 Mar 13 14:07	0°♉	
asc. node	5796 Mar 31 12:55	21°♉41'11	
	5796 Apr 07 12:27	0°♊	
	5796 May 03 11:31	0°♋	
evening max el	5796 May 29 15:52	27°♋48'43	46°09'57
	5796 May 31 21:27	0°♌	
greatest brilliancy	5796 Jul 07 03:44	26°♌55'06	-4.8m
retrograde	5796 Jul 18 05:09	29°♌09'32	
desc. node	5796 Jul 21 04:45	28°♌58'52	
evening set	5796 Aug 02 13:56	24°♌35'27	
min. Earth dist.	5796 Aug 08 05:05	21°♌12'35	0.28813 AU
inferior conj	5796 Aug 08 17:02	20°♌53'51	-4°15'26
minimum elong	5796 Aug 08 08:38	21°♌07'00	4°13'16
morning rise	5796 Aug 14 03:37	17°♌35'34	
direct	5796 Aug 30 03:35	12°♌41'55	
greatest brilliancy	5796 Sep 09 04:00	14°♌29'41	-4.7m
	5796 Oct 04 00:55	0°♍	
morning max el	5796 Oct 17 20:57	12°♍25'45	45°45'29
	5796 Nov 04 04:40	0°♎	
asc. node	5796 Nov 11 06:03	7°♎35'31	
	5796 Dec 01 04:33	0°♏	
	5796 Dec 26 15:29	0°♐	
	5797 Jan 20 08:05	0°♑	
	5797 Feb 13 14:55	0°♒	
desc. node	5797 Mar 02 21:30	21°♒31'05	
	5797 Mar 09 16:27	0°♓	
	5797 Apr 02 15:27	0°♈	
morning set	5797 Apr 20 23:08	22°♈57'21	
	5797 Apr 26 14:07	0°♉	
	5797 May 20 14:18	0°♊	
superior conj	5797 May 30 12:04	12°♊20'30	-0°54'38
minimum elong	5797 May 30 22:33	12°♊53'06	0°54'16
max. Earth dist.	5797 Jun 03 02:42	16°♊49'52	1.72276 AU
	5797 Jun 13 17:15	0°♋	
asc. node	5797 Jun 23 22:32	12°♋39'41	
	5797 Jul 07 23:25	0°♌	
evening rise	5797 Jul 08 01:05	0°♌05'09	
	5797 Aug 01 08:51	0°♍	
	5797 Aug 25 22:08	0°♎	
	5797 Sep 19 16:43	0°♏	
desc. node	5797 Oct 13 14:15	28°♏35'04	
	5797 Oct 14 18:52	0°♐	
	5797 Nov 09 07:55	0°♑	
	5797 Dec 05 15:07	0°♒	
	5798 Jan 02 17:04	0°♓	
evening max el	5798 Jan 03 05:34	0°♓31'17	46°53'07
asc. node	5798 Feb 03 15:22	27°♓00'09	
	5798 Feb 09 04:47	0°♈	
greatest brilliancy	5798 Feb 12 18:28	1°♈29'28	-4.9m
retrograde	5798 Feb 22 18:13	3°♈23'39	
	5798 Mar 07 16:42	30°♓℞	
evening set	5798 Mar 11 10:55	27°♓57'08	
inferior conj	5798 Mar 15 09:16	25°♓34'46	8°16'20
minimum elong	5798 Mar 15 00:39	25°♓47'58	8°15'10
min. Earth dist.	5798 Mar 14 21:11	25°♓53'18	0.26936 AU
morning rise	5798 Mar 18 14:30	23°♓37'40	
direct	5798 Apr 04 21:32	17°♓50'38	
greatest brilliancy	5798 Apr 14 06:27	19°♓30'35	-4.9m
	5798 May 02 13:04	0°♈	
morning max el	5798 May 25 01:05	20°♈04'35	46°37'04
desc. node	5798 May 26 07:14	21°♈19'36	
	5798 Jun 03 18:26	0°♉	
	5798 Jul 01 04:19	0°♊	
	5798 Jul 27 06:02	0°♋	
	5798 Aug 21 17:08	0°♌	
	5798 Sep 15 18:33	0°♍	
asc. node	5798 Sep 16 08:11	0°♍41'03	
	5798 Oct 10 11:51	0°♎	
	5798 Nov 03 22:20	0°♏	
morning set	5798 Nov 20 01:35	19°♏57'29	
	5798 Nov 28 03:46	0°♐	
	5798 Dec 22 05:53	0°♑	
max. Earth dist.	5798 Dec 25 14:26	4°♑11'22	1.71883 AU
superior conj	5798 Dec 28 06:07	7°♑30'14	0°20'55
minimum elong	5798 Dec 28 11:05	7°♑45'45	0°20'42
desc. node	5799 Jan 05 23:45	18°♑25'24	
	5799 Jan 15 05:47	0°♒	
evening rise	5799 Feb 06 07:16	27°♒39'09	
	5799 Feb 08 04:11	0°♓	
	5799 Mar 04 02:09	0°♈	
	5799 Mar 28 01:43	0°♉	
	5799 Apr 21 05:49	0°♊	
asc. node	5799 Apr 29 00:53	9°♊35'36	
	5799 May 15 18:12	0°♋	
	5799 Jun 09 19:52	0°♌	
	5799 Jul 05 20:14	0°♍	
	5799 Aug 02 20:37	0°♎	
evening max el	5799 Aug 09 07:48	6°♎21'47	45°34'49
desc. node	5799 Aug 18 16:36	15°♎00'02	
	5799 Sep 07 17:28	0°♏	
greatest brilliancy	5799 Sep 17 00:42	4°♏21'16	-4.7m
retrograde	5799 Sep 27 00:37	6°♏08'49	
evening set	5799 Oct 15 03:58	29°♎59'27	
	5799 Oct 15 03:36	30°℞♎	
inferior conj	5799 Oct 18 10:08	27°♎58'33	-8°35'17
minimum elong	5799 Oct 18 12:11	27°♎55'19	8°35'13
min. Earth dist.	5799 Oct 18 21:25	27°♎40'52	0.28932 AU
morning rise	5799 Oct 21 20:19	25°♎51'25	
direct	5799 Nov 08 23:22	19°♎41'09	
greatest brilliancy	5799 Nov 19 20:11	21°♎51'21	-4.8m
	5799 Dec 04 07:50	0°♏	
asc. node	5799 Dec 09 17:40	4°♏06'04	
morning max el	5799 Dec 28 22:09	21°♏33'58	46°23'35
	5800 Jan 06 03:36	0°♐	
	5800 Feb 02 04:27	0°♑	
	5800 Feb 27 14:13	0°♒	
	5800 Mar 24 07:13	0°♓	
desc. node	5800 Mar 31 09:29	8°♓42'05	
	5800 Apr 17 16:16	0°♈	
	5800 May 11 22:01	0°♉	
	5800 Jun 05 03:21	0°♊	
	5800 Jun 29 09:51	0°♋	
morning set	5800 Jul 03 08:52	4°♋53'08	
asc. node	5800 Jul 22 10:18	28°♋23'11	
	5800 Jul 23 17:43	0°♌	
superior conj	5800 Aug 09 19:03	21°♌00'16	0°42'13
minimum elong	5800 Aug 09 11:09	20°♌35'56	0°41'52
max. Earth dist.	5800 Aug 10 11:22	21°♌50'30	1.73359 AU
	5800 Aug 17 02:23	0°♍	
	5800 Sep 10 11:23	0°♎	
evening rise	5800 Sep 15 00:23	5°♎35'19	
	5800 Oct 04 21:03	0°♏	
	5800 Oct 29 08:14	0°♐	
desc. node	5800 Nov 11 02:07	15°♐34'56	

	5800 Nov 22 21:39	0°♉	
	5800 Dec 17 13:50	0°♒	
	5801 Jan 11 10:38	0°♓	
	5801 Feb 05 18:07	0°♈	
asc. node	5801 Mar 04 03:07	29°♈53'43	
	5801 Mar 04 05:26	0°♉	
evening max el	5801 Mar 17 23:05	14°♉28'23	47°01'34
	5801 Apr 03 10:33	0°♊	
greatest brilliancy	5801 Apr 27 03:11	15°♊26'13	-4.9m
retrograde	5801 May 07 12:18	17°♊27'12	
evening set	5801 May 23 20:48	12°♊13'20	
inferior conj	5801 May 28 11:52	9°♊23'45	5°59'38
minimum elong	5801 May 28 22:20	9°♊07'26	5°57'10
min. Earth dist.	5801 May 28 09:13	9°♊27'53	0.27757 AU
morning rise	5801 Jun 03 00:18	6°♊04'57	
direct	5801 Jun 18 11:01	1°♊27'37	
desc. node	5801 Jun 23 18:50	2°♊00'06	
greatest brilliancy	5801 Jun 28 03:44	3°♊11'45	-4.8m
	5801 Aug 04 13:58	0°♋	
morning max el	5801 Aug 06 13:02	1°♋52'18	45°52'36
	5801 Sep 02 19:31	0°♌	
	5801 Sep 29 14:28	0°♍	
asc. node	5801 Oct 14 20:09	17°♍42'06	
	5801 Oct 25 06:02	0°♎	
	5801 Nov 19 04:29	0°♏	
	5801 Dec 13 15:44	0°♐	
	5802 Jan 06 19:58	0°♑	
	5802 Jan 30 20:01	0°♒	
morning set	5802 Feb 01 16:43	2°♒20'06	
desc. node	5802 Feb 03 11:35	4°♒34'30	
	5802 Feb 23 17:33	0°♓	
superior conj	5802 Mar 14 21:03	24°♓05'05	-1°17'37
minimum elong	5802 Mar 14 11:08	23°♓33'55	1°17'24
max. Earth dist.	5802 Mar 15 10:31	24°♓47'28	1.71156 AU
	5802 Mar 19 13:54	0°♈	
	5802 Apr 12 10:48	0°♉	
evening rise	5802 Apr 24 14:49	15°♉14'40	
	5802 May 06 10:17	0°♊	
asc. node	5802 May 27 12:40	26°♊12'33	
	5802 May 30 14:13	0°♋	
	5802 Jun 24 00:10	0°♌	
	5802 Jul 18 17:57	0°♍	
	5802 Aug 12 23:08	0°♎	
	5802 Sep 07 23:02	0°♏	
desc. node	5802 Sep 16 04:23	9°♏12'20	
	5802 Oct 05 10:33	0°♐	
evening max el	5802 Oct 21 01:08	15°♐41'11	45°57'02
	5802 Nov 06 02:05	0°♑	
greatest brilliancy	5802 Nov 29 19:14	14°♑23'31	-4.8m
retrograde	5802 Dec 09 03:00	15°♑59'43	
evening set	5802 Dec 24 00:17	11°♑43'10	
inferior conj	5802 Dec 29 22:47	8°♑14'00	-2°05'46
minimum elong	5802 Dec 30 03:29	8°♑06'47	2°04'16
min. Earth dist.	5802 Dec 30 14:59	7°♑49'07	0.27206 AU
morning rise	5803 Jan 05 05:50	4°♑31'13	
asc. node	5803 Jan 07 05:31	3°♑30'01	
direct	5803 Jan 19 18:26	0°♑19'48	
greatest brilliancy	5803 Jan 30 15:59	2°♑32'55	-4.9m
	5803 Mar 07 23:06	0°♒	
morning max el	5803 Mar 11 08:35	3°♒23'39	46°58'28
	5803 Apr 05 02:02	0°♓	
desc. node	5803 Apr 28 21:27	27°♓27'50	
	5803 May 01 01:10	0°♈	
	5803 May 26 05:01	0°♉	
	5803 Jun 20 00:54	0°♊	
	5803 Jul 14 17:37	0°♋	
	5803 Aug 08 08:32	0°♌	
asc. node	5803 Aug 19 22:19	14°♌08'25	
	5803 Sep 01 21:16	0°♍	
morning set	5803 Sep 11 01:53	11°♍16'42	
	5803 Sep 26 07:15	0°♎	
max. Earth dist.	5803 Oct 15 10:57	23°♎37'41	1.73117 AU
superior conj	5803 Oct 17 13:02	26°♎12'25	1°25'16
minimum elong	5803 Oct 17 14:29	26°♎16'55	1°25'18
	5803 Oct 20 14:41	0°♏	
	5803 Nov 13 20:30	0°♐	
evening rise	5803 Nov 23 17:42	12°♐14'43	
	5803 Dec 08 01:28	0°♑	
desc. node	5803 Dec 09 13:53	1°♑52'56	
	5804 Jan 01 05:50	0°♒	
	5804 Jan 25 10:00	0°♓	
	5804 Feb 18 15:35	0°♈	
	5804 Mar 14 02:31	0°♉	
asc. node	5804 Mar 31 15:00	21°♉08'19	
	5804 Apr 08 01:57	0°♊	
	5804 May 04 03:21	0°♋	
evening max el	5804 May 28 07:02	25°♋34'18	46°11'48
	5804 Jun 01 20:25	0°♌	
greatest brilliancy	5804 Jul 05 19:21	24°♌43'53	-4.8m
retrograde	5804 Jul 16 21:48	26°♌59'30	
desc. node	5804 Jul 21 06:49	26°♌36'23	
evening set	5804 Aug 01 04:33	22°♌27'09	
inferior conj	5804 Aug 07 09:06	18°♌43'51	-3°57'44
minimum elong	5804 Aug 07 01:08	18°♌56'20	3°55'37
min. Earth dist.	5804 Aug 06 21:03	19°♌02'43	0.28783 AU
morning rise	5804 Aug 12 22:01	15°♌22'38	
direct	5804 Aug 28 19:08	10°♌32'12	
greatest brilliancy	5804 Sep 07 19:44	12°♌20'21	-4.7m
	5804 Oct 05 06:16	0°♍	
morning max el	5804 Oct 16 13:06	10°♍16'28	45°44'51
	5804 Nov 04 21:42	0°♎	
asc. node	5804 Nov 11 07:59	6°♎57'22	
	5804 Dec 01 18:21	0°♏	
	5804 Dec 27 03:57	0°♐	
	5805 Jan 20 19:52	0°♑	
	5805 Feb 14 02:18	0°♒	
desc. node	5805 Mar 02 23:32	21°♒02'32	
	5805 Mar 10 03:34	0°♓	
	5805 Apr 03 02:23	0°♈	
morning set	5805 Apr 19 10:47	20°♈29'36	
	5805 Apr 27 00:53	0°♉	
	5805 May 21 00:57	0°♊	
superior conj	5805 May 29 02:00	10°♊01'30	-0°57'26
minimum elong	5805 May 29 12:44	10°♊34'54	0°57'03
max. Earth dist.	5805 Jun 01 16:56	14°♊31'59	1.72226 AU
	5805 Jun 14 03:49	0°♋	
asc. node	5805 Jun 24 00:30	12°♋13'03	
evening rise	5805 Jul 06 17:32	27°♋55'16	
	5805 Jul 08 09:59	0°♌	
	5805 Aug 01 19:34	0°♍	
	5805 Aug 26 09:07	0°♎	
	5805 Sep 20 04:11	0°♏	
desc. node	5805 Oct 13 16:12	28°♏04'38	
	5805 Oct 15 07:09	0°♐	
	5805 Nov 09 21:34	0°♑	
	5805 Dec 06 07:25	0°♒	
evening max el	5806 Jan 01 20:14	28°♒10'49	46°51'37
	5806 Jan 03 16:15	0°♓	
asc. node	5806 Feb 03 17:28	25°♓28'07	
greatest brilliancy	5806 Feb 11 06:39	29°♓01'35	-4.9m
	5806 Feb 14 08:59	0°♈	

retrograde	5806 Feb 21 07:32	0°♈56'17	
	5806 Feb 28 00:45	30°℞♓	
evening set	5806 Mar 09 19:06	25°♓36'32	
inferior conj	5806 Mar 13 21:46	23°♓07'49	8°05'43
minimum elong	5806 Mar 13 12:35	23°♓21'55	8°04'20
min. Earth dist.	5806 Mar 13 09:20	23°♓26'54	0.26909 AU
morning rise	5806 Mar 17 06:13	21°♓06'07	
direct	5806 Apr 03 10:34	15°♓24'10	
greatest brilliancy	5806 Apr 12 18:36	17°♓03'47	-4.9m
	5806 May 04 04:03	0°♈	
morning max el	5806 May 23 15:11	17°♈43'59	46°38'42
desc. node	5806 May 26 09:05	20°♈29'00	
	5806 Jun 04 13:44	0°♉	
	5806 Jul 01 19:07	0°♊	
	5806 Jul 27 18:52	0°♋	
	5806 Aug 22 04:53	0°♌	
asc. node	5806 Sep 16 10:10	0°♍13'26	
	5806 Sep 16 05:43	0°♍	
	5806 Oct 10 22:41	0°♎	
	5806 Nov 04 09:00	0°♏	
morning set	5806 Nov 18 17:40	17°♏45'44	
	5806 Nov 28 14:23	0°♐	
	5806 Dec 22 16:31	0°♑	
max. Earth dist.	5806 Dec 24 01:45	1°♑43'43	1.71926 AU
superior conj	5806 Dec 26 19:22	5°♑08'29	0°24'29
minimum elong	5806 Dec 27 01:05	5°♑26'19	0°24'14
desc. node	5807 Jan 06 01:46	17°♑58'18	
	5807 Jan 15 16:30	0°♒	
evening rise	5807 Feb 04 18:43	25°♒10'33	
	5807 Feb 08 15:01	0°♓	
	5807 Mar 04 13:08	0°♈	
	5807 Mar 28 12:52	0°♉	
	5807 Apr 21 17:14	0°♊	
asc. node	5807 Apr 29 02:47	9°♊06'01	
	5807 May 16 06:04	0°♋	
	5807 Jun 10 08:37	0°♌	
	5807 Jul 06 10:54	0°♍	
	5807 Aug 03 16:31	0°♎	
evening max el	5807 Aug 07 23:32	4°♎11'46	45°35'04
desc. node	5807 Aug 18 18:40	14°♎05'22	
	5807 Sep 10 09:47	0°♏	
greatest brilliancy	5807 Sep 15 15:27	2°♏11'24	-4.7m
retrograde	5807 Sep 25 15:47	3°♏59'19	
	5807 Oct 10 00:42	30°℞♎	
evening set	5807 Oct 13 19:48	27°♎49'59	
inferior conj	5807 Oct 17 02:09	25°♎48'33	-8°36'38
minimum elong	5807 Oct 17 03:24	25°♎46'35	8°36'36
min. Earth dist.	5807 Oct 17 12:22	25°♎32'30	0.28968 AU
morning rise	5807 Oct 20 10:55	23°♎43'16	
direct	5807 Nov 07 15:49	17°♎30'59	
greatest brilliancy	5807 Nov 18 11:23	19°♎39'32	-4.8m
	5807 Dec 05 23:13	0°♏	
asc. node	5807 Dec 09 19:39	3°♏02'42	
morning max el	5807 Dec 27 12:40	19°♏16'49	46°21'50
	5808 Jan 06 22:20	0°♐	
	5808 Feb 02 19:07	0°♑	
	5808 Feb 28 03:13	0°♒	
	5808 Mar 23 19:20	0°♓	
desc. node	5808 Mar 30 11:27	8°♓11'30	
	5808 Apr 17 03:51	0°♈	
	5808 May 11 09:12	0°♉	
	5808 Jun 04 14:14	0°♊	
	5808 Jun 28 20:31	0°♋	
morning set	5808 Jul 01 01:03	2°♋42'10	
asc. node	5808 Jul 21 12:25	27°♋57'19	
	5808 Jul 23 04:14	0°♌	
superior conj	5808 Aug 07 12:36	18°♌54'23	0°39'22
minimum elong	5808 Aug 07 05:04	18°♌31'12	0°39'01
max. Earth dist.	5808 Aug 08 07:49	19°♌53'33	1.73337 AU
	5808 Aug 16 12:49	0°♍	
	5808 Sep 09 21:51	0°♎	
evening rise	5808 Sep 12 18:44	3°♎31'50	
	5808 Oct 04 07:41	0°♏	
	5808 Oct 28 19:11	0°♐	
desc. node	5808 Nov 10 04:02	15°♐06'39	
	5808 Nov 22 09:05	0°♑	
	5808 Dec 17 01:57	0°♒	
	5809 Jan 10 23:43	0°♓	
	5809 Feb 05 08:52	0°♈	
asc. node	5809 Mar 03 05:10	29°♈09'27	
	5809 Mar 03 23:53	0°♉	
evening max el	5809 Mar 15 12:30	12°♉04'50	47°02'27
	5809 Apr 03 19:51	0°♊	
greatest brilliancy	5809 Apr 24 19:28	13°♊08'31	-4.9m
retrograde	5809 May 05 02:22	15°♊07'50	
evening set	5809 May 21 14:23	9°♊49'52	
inferior conj	5809 May 26 02:12	7°♊05'06	6°16'23
minimum elong	5809 May 26 12:45	6°♊48'38	6°13'59
min. Earth dist.	5809 May 26 00:03	7°♊08'27	0.27727 AU
morning rise	5809 May 31 11:27	3°♊50'25	
	5809 Jun 09 12:41	30°℞♉	
direct	5809 Jun 16 00:24	29°♉09'22	
desc. node	5809 Jun 22 20:56	0°♊02'23	
	5809 Jun 22 17:05	0°♊	
greatest brilliancy	5809 Jun 25 17:44	0°♊53'38	-4.8m
morning max el	5809 Aug 04 02:49	29°♊35'23	45°53'53
	5809 Aug 04 13:02	0°♋	
	5809 Sep 02 11:17	0°♌	
	5809 Sep 29 03:38	0°♍	
asc. node	5809 Oct 13 22:05	17°♍11'34	
	5809 Oct 24 17:58	0°♎	
	5809 Nov 18 15:48	0°♏	
	5809 Dec 13 02:44	0°♐	
	5810 Jan 06 06:52	0°♑	
morning set	5810 Jan 30 03:58	29°♑50'51	
	5810 Jan 30 06:53	0°♒	
desc. node	5810 Feb 02 13:40	4°♒06'56	
	5810 Feb 23 04:24	0°♓	
superior conj	5810 Mar 12 07:26	21°♓32'43	-1°15'43
minimum elong	5810 Mar 11 20:56	20°♓59'40	1°15'26
max. Earth dist.	5810 Mar 12 12:38	21°♓49'03	1.71152 AU
	5810 Mar 19 00:44	0°♈	
	5810 Apr 11 21:38	0°♉	
evening rise	5810 Apr 22 01:39	12°♉44'24	
	5810 May 05 21:10	0°♊	
asc. node	5810 May 26 14:41	25°♊44'51	
	5810 May 30 01:14	0°♋	
	5810 Jun 23 11:24	0°♌	
	5810 Jul 18 05:38	0°♍	
	5810 Aug 12 11:40	0°♎	
	5810 Sep 07 13:16	0°♏	
desc. node	5810 Sep 15 06:21	8°♏36'05	
	5810 Oct 05 04:53	0°♐	
evening max el	5810 Oct 18 14:25	13°♐23'03	45°55'30
	5810 Nov 06 13:32	0°♑	
greatest brilliancy	5810 Nov 27 08:32	12°♑03'25	-4.8m
retrograde	5810 Dec 06 16:15	13°♑39'42	
evening set	5810 Dec 21 15:40	9°♑19'37	
inferior conj	5810 Dec 27 12:22	5°♑53'03	-2°27'55
minimum elong	5810 Dec 27 17:50	5°♑44'39	2°26'13
min. Earth dist.	5810 Dec 28 05:38	5°♑26'35	0.27266 AU
morning rise	5811 Jan 02 19:09	2°♑10'45	

asc. node	5811 Jan 06 07:36	0°♉26'49	
	5811 Jan 07 09:07	30℞♐	
direct	5811 Jan 17 08:36	27°♐57'33	
	5811 Jan 27 18:39	0°♉	
greatest brilliancy	5811 Jan 28 07:44	0°♉12'31	-4.9m
	5811 Mar 07 22:27	0°♒	
morning max el	5811 Mar 08 23:27	1°♒02'59	46°58'02
	5811 Apr 04 18:31	0°♓	
desc. node	5811 Apr 27 23:21	26°♓51'51	
	5811 Apr 30 15:08	0°♈	
	5811 May 25 17:41	0°♉	
	5811 Jun 19 12:47	0°♊	
	5811 Jul 14 04:58	0°♋	
	5811 Aug 07 19:31	0°♌	
asc. node	5811 Aug 19 00:15	13°♌41'11	
	5811 Sep 01 08:00	0°♍	
morning set	5811 Sep 08 19:22	9°♍10'09	
	5811 Sep 25 17:52	0°♎	
max. Earth dist.	5811 Oct 13 07:52	21°♎41'17	1.73144 AU
superior conj	5811 Oct 15 06:42	24°♎05'54	1°25'28
minimum elong	5811 Oct 15 07:27	24°♎08'14	1°25'29
	5811 Oct 20 01:18	0°♏	
	5811 Nov 13 07:13	0°♐	
evening rise	5811 Nov 21 09:28	10°♐01'36	
	5811 Dec 07 12:21	0°♉	
desc. node	5811 Dec 08 15:58	1°♉25'38	
	5811 Dec 31 16:58	0°♒	
	5812 Jan 24 21:28	0°♓	
	5812 Feb 18 03:32	0°♈	
	5812 Mar 13 15:10	0°♉	
asc. node	5812 Mar 30 16:52	20°♉33'58	
	5812 Apr 07 15:47	0°♊	
	5812 May 03 19:44	0°♋	
evening max el	5812 May 25 22:58	23°♋21'02	46°13'52
	5812 Jun 01 20:46	0°♌	
greatest brilliancy	5812 Jul 03 10:50	22°♌31'52	-4.8m
retrograde	5812 Jul 14 14:38	24°♌48'38	
desc. node	5812 Jul 20 08:51	24°♌08'23	
evening set	5812 Jul 29 19:20	20°♌18'00	
min. Earth dist.	5812 Aug 04 12:41	16°♌52'25	0.28747 AU
inferior conj	5812 Aug 05 01:05	16°♌33'02	-3°39'37
minimum elong	5812 Aug 04 17:35	16°♌44'46	3°37'36
morning rise	5812 Aug 10 16:15	13°♌09'03	
direct	5812 Aug 26 11:07	8°♌21'54	
greatest brilliancy	5812 Sep 05 10:47	10°♌09'44	-4.7m
	5812 Oct 05 09:55	0°♍	
morning max el	5812 Oct 14 05:38	8°♍07'52	45°44'18
	5812 Nov 04 14:29	0°♎	
asc. node	5812 Nov 10 09:56	6°♎19'20	
	5812 Dec 01 08:07	0°♏	
	5812 Dec 26 16:24	0°♐	
	5813 Jan 20 07:40	0°♉	
	5813 Feb 13 13:44	0°♒	
desc. node	5813 Mar 02 01:29	20°♒33'21	
	5813 Mar 09 14:48	0°♓	
	5813 Apr 02 13:30	0°♈	
morning set	5813 Apr 16 22:04	17°♈59'54	
	5813 Apr 26 11:55	0°♉	
	5813 May 20 11:54	0°♊	
superior conj	5813 May 26 15:18	7°♊39'22	-1°00'10
minimum elong	5813 May 27 02:11	8°♊13'17	0°59'48
max. Earth dist.	5813 May 30 07:28	12°♊13'52	1.72177 AU
	5813 Jun 13 14:42	0°♋	
asc. node	5813 Jun 23 02:35	11°♋45'47	
evening rise	5813 Jul 04 09:21	25°♋42'27	
	5813 Jul 07 20:52	0°♌	
	5813 Aug 01 06:34	0°♍	
	5813 Aug 25 20:24	0°♎	
	5813 Sep 19 15:58	0°♏	
desc. node	5813 Oct 12 18:09	27°♏33'16	
	5813 Oct 14 19:45	0°♐	
	5813 Nov 09 11:36	0°♉	
	5813 Dec 06 00:13	0°♒	
evening max el	5813 Dec 30 11:09	25°♒50'42	46°50'05
	5814 Jan 03 16:39	0°♓	
asc. node	5814 Feb 02 19:24	23°♓52'25	
greatest brilliancy	5814 Feb 08 19:16	26°♓34'21	-4.9m
retrograde	5814 Feb 18 20:37	28°♓28'57	
evening set	5814 Mar 07 03:33	23°♓16'07	
inferior conj	5814 Mar 11 10:29	20°♓41'02	7°54'11
minimum elong	5814 Mar 11 00:48	20°♓55'53	7°52'36
min. Earth dist.	5814 Mar 10 21:53	21°♓00'22	0.26885 AU
morning rise	5814 Mar 14 22:14	18°♓34'24	
direct	5814 Mar 31 23:46	12°♓57'54	
greatest brilliancy	5814 Apr 10 07:15	14°♓37'08	-4.9m
	5814 May 04 15:29	0°♈	
morning max el	5814 May 21 04:30	15°♈20'23	46°39'58
desc. node	5814 May 25 11:13	19°♈39'02	
	5814 Jun 04 08:54	0°♉	
	5814 Jul 01 10:10	0°♊	
	5814 Jul 27 08:03	0°♋	
	5814 Aug 21 17:01	0°♌	
asc. node	5814 Sep 15 12:07	29°♌44'35	
	5814 Sep 15 17:13	0°♍	
	5814 Oct 10 09:50	0°♎	
	5814 Nov 03 19:58	0°♏	
morning set	5814 Nov 16 09:49	15°♏33'15	
	5814 Nov 28 01:18	0°♐	
max. Earth dist.	5814 Dec 21 11:54	29°♐11'29	1.71968 AU
	5814 Dec 22 03:27	0°♉	
superior conj	5814 Dec 24 09:04	2°♉47'13	0°27'57
minimum elong	5814 Dec 24 15:28	3°♉07'13	0°27'41
desc. node	5815 Jan 05 03:51	17°♉30'23	
	5815 Jan 15 03:31	0°♒	
evening rise	5815 Feb 02 06:39	22°♒42'42	
	5815 Feb 08 02:08	0°♓	
	5815 Mar 04 00:22	0°♈	
	5815 Mar 28 00:16	0°♉	
	5815 Apr 21 04:56	0°♊	
asc. node	5815 Apr 28 04:50	8°♊35'57	
	5815 May 15 18:19	0°♋	
	5815 Jun 09 21:54	0°♌	
	5815 Jul 06 02:18	0°♍	
	5815 Aug 03 13:46	0°♎	
evening max el	5815 Aug 05 14:25	1°♎58'03	45°35'24
desc. node	5815 Aug 17 20:37	13°♎07'40	
	5815 Sep 13 06:14	0°♏	
greatest brilliancy	5815 Sep 13 06:28	0°♏00'12	-4.7m
retrograde	5815 Sep 23 06:49	1°♏48'30	
	5815 Oct 02 21:18	30℞♎	
evening set	5815 Oct 11 11:15	25°♎39'36	
inferior conj	5815 Oct 14 18:08	23°♎37'18	-8°37'18
minimum elong	5815 Oct 14 18:36	23°♎36'34	8°37'17
min. Earth dist.	5815 Oct 15 03:32	23°♎22'32	0.28999 AU
morning rise	5815 Oct 18 01:50	21°♎33'27	
direct	5815 Nov 05 07:41	15°♎19'28	
greatest brilliancy	5815 Nov 16 03:04	17°♎27'10	-4.8m
	5815 Dec 06 11:10	0°♏	
asc. node	5815 Dec 08 21:49	2°♏00'07	
morning max el	5815 Dec 25 02:36	16°♏57'12	46°20'11
	5816 Jan 06 16:58	0°♐	

	5816 Feb 02 09:56	0°♉	
	5816 Feb 27 16:26	0°♒	
	5816 Mar 23 07:42	0°♓	
desc. node	5816 Mar 29 13:24	7°♓40'01	
	5816 Apr 16 15:40	0°♈	
	5816 May 10 20:38	0°♉	
	5816 Jun 04 01:25	0°♊	
	5816 Jun 28 07:30	0°♋	
morning set	5816 Jun 28 17:05	0°♋29'34	
asc. node	5816 Jul 20 14:22	27°♋29'43	
	5816 Jul 22 15:08	0°♌	
superior conj	5816 Aug 05 05:52	16°♌46'22	0°36'26
minimum elong	5816 Aug 04 22:45	16°♌24'27	0°36'06
max. Earth dist.	5816 Aug 06 02:03	17°♌48'29	1.73320 AU
	5816 Aug 15 23:41	0°♍	
	5816 Sep 09 08:45	0°♎	
evening rise	5816 Sep 10 12:43	1°♎26'00	
	5816 Oct 03 18:45	0°♏	
	5816 Oct 28 06:34	0°♐	
desc. node	5816 Nov 09 06:06	14°♐37'38	
	5816 Nov 21 20:56	0°♑	
	5816 Dec 16 14:29	0°♒	
	5817 Jan 10 13:15	0°♓	
	5817 Feb 05 00:09	0°♈	
asc. node	5817 Mar 02 07:07	28°♈23'24	
	5817 Mar 03 19:10	0°♉	
evening max el	5817 Mar 13 01:33	9°♉39'30	47°03'25
	5817 Apr 04 08:48	0°♊	
greatest brilliancy	5817 Apr 22 11:26	10°♊49'45	-4.9m
retrograde	5817 May 02 16:39	12°♊48'09	
evening set	5817 May 19 08:04	7°♊25'38	
inferior conj	5817 May 23 16:37	4°♊45'57	6°32'23
minimum elong	5817 May 24 03:13	4°♊29'26	6°30'04
min. Earth dist.	5817 May 23 14:53	4°♊48'39	0.27699 AU
morning rise	5817 May 28 22:36	1°♊35'50	
	5817 May 31 23:19	30°℞♉	
direct	5817 Jun 13 13:44	26°♉50'27	
desc. node	5817 Jun 21 22:57	28°♉08'43	
greatest brilliancy	5817 Jun 23 08:00	28°♉35'21	-4.8m
	5817 Jun 26 21:31	0°♊	
morning max el	5817 Aug 01 17:04	27°♊18'45	45°55'02
	5817 Aug 04 11:27	0°♋	
	5817 Sep 02 03:08	0°♌	
	5817 Sep 28 17:05	0°♍	
asc. node	5817 Oct 13 00:07	16°♍40'14	
	5817 Oct 24 06:14	0°♎	
	5817 Nov 18 03:27	0°♏	
	5817 Dec 12 14:05	0°♐	
	5818 Jan 05 18:04	0°♑	
morning set	5818 Jan 27 15:19	27°♑21'08	
	5818 Jan 29 18:02	0°♒	
desc. node	5818 Feb 01 15:33	3°♒37'54	
	5818 Feb 22 15:31	0°♓	
superior conj	5818 Mar 09 17:49	18°♓59'27	-1°13'38
minimum elong	5818 Mar 09 06:47	18°♓24'46	1°13'20
max. Earth dist.	5818 Mar 09 17:05	18°♓57'07	1.71151 AU
	5818 Mar 18 11:50	0°♈	
	5818 Apr 11 08:44	0°♉	
evening rise	5818 Apr 19 12:35	10°♉13'40	
	5818 May 05 08:18	0°♊	
asc. node	5818 May 25 16:45	25°♊16'37	
	5818 May 29 12:27	0°♋	
	5818 Jun 22 22:51	0°♌	
	5818 Jul 17 17:33	0°♍	
	5818 Aug 12 00:32	0°♎	
	5818 Sep 07 04:02	0°♏	
desc. node	5818 Sep 14 08:18	7°♏58'28	
	5818 Oct 05 00:09	0°♐	
evening max el	5818 Oct 16 04:31	11°♐05'53	45°53'56
	5818 Nov 07 05:38	0°♑	
greatest brilliancy	5818 Nov 24 21:19	9°♑41'41	-4.8m
retrograde	5818 Dec 04 05:46	11°♑18'23	
evening set	5818 Dec 19 07:09	6°♑54'47	
inferior conj	5818 Dec 25 01:49	3°♑30'49	-2°49'53
minimum elong	5818 Dec 25 08:02	3°♑21'18	2°47'59
min. Earth dist.	5818 Dec 25 19:46	3°♑03'19	0.27324 AU
morning rise	5818 Dec 31 08:08	29°♐49'25	
	5818 Dec 31 00:21	30°℞♐	
asc. node	5819 Jan 05 09:31	27°♐27'08	
direct	5819 Jan 14 23:09	25°♐34'22	
greatest brilliancy	5819 Jan 25 22:42	27°♐50'22	-4.9m
	5819 Jan 30 15:32	0°♑	
morning max el	5819 Mar 06 14:35	28°♑42'31	46°57'32
	5819 Mar 07 21:05	0°♒	
	5819 Apr 04 10:53	0°♓	
desc. node	5819 Apr 27 01:27	26°♓16'11	
	5819 Apr 30 05:07	0°♈	
	5819 May 25 06:26	0°♉	
	5819 Jun 19 00:45	0°♊	
	5819 Jul 13 16:24	0°♋	
	5819 Aug 07 06:35	0°♌	
asc. node	5819 Aug 18 02:12	13°♌13'38	
	5819 Aug 31 18:50	0°♍	
morning set	5819 Sep 06 13:00	7°♍03'47	
	5819 Sep 25 04:37	0°♎	
max. Earth dist.	5819 Oct 11 04:46	19°♎44'18	1.73174 AU
superior conj	5819 Oct 13 00:21	21°♎58'54	1°25'32
minimum elong	5819 Oct 13 00:23	21°♎59'00	1°25'33
	5819 Oct 19 12:06	0°♏	
	5819 Nov 12 18:08	0°♐	
evening rise	5819 Nov 19 01:05	7°♐47'19	
	5819 Dec 06 23:27	0°♑	
desc. node	5819 Dec 07 18:00	0°♑57'26	
	5819 Dec 31 04:19	0°♒	
	5820 Jan 24 09:08	0°♓	
	5820 Feb 17 15:38	0°♈	
	5820 Mar 13 03:58	0°♉	
asc. node	5820 Mar 29 18:56	19°♉59'50	
	5820 Apr 07 05:49	0°♊	
	5820 May 03 12:28	0°♋	
evening max el	5820 May 23 15:30	21°♋08'58	46°15'52
	5820 Jun 01 22:25	0°♌	
greatest brilliancy	5820 Jul 01 02:52	20°♌20'29	-4.8m
retrograde	5820 Jul 12 07:26	22°♌37'37	
desc. node	5820 Jul 19 10:47	21°♌35'44	
evening set	5820 Jul 27 10:23	18°♌08'52	
min. Earth dist.	5820 Aug 02 04:23	14°♌42'11	0.28708 AU
inferior conj	5820 Aug 02 17:07	14°♌22'18	-3°21'06
minimum elong	5820 Aug 02 10:08	14°♌33'12	3°19'11
morning rise	5820 Aug 08 10:24	10°♌55'35	
direct	5820 Aug 24 03:25	6°♌11'55	
greatest brilliancy	5820 Sep 03 01:27	7°♌58'49	-4.7m
	5820 Oct 05 11:55	0°♍	
morning max el	5820 Oct 11 21:31	5°♍57'54	45°43'39
	5820 Nov 04 06:57	0°♎	
asc. node	5820 Nov 09 12:05	5°♎42'09	
	5820 Nov 30 21:48	0°♏	
	5820 Dec 26 04:54	0°♐	
	5821 Jan 19 19:32	0°♑	
	5821 Feb 13 01:14	0°♒	
desc. node	5821 Mar 01 03:31	20°♒04'14	

	5821 Mar 09 02:05	0°♓	
	5821 Apr 02 00:37	0°♈	
morning set	5821 Apr 14 09:10	15°♈29'45	
	5821 Apr 25 22:54	0°♉	
	5821 May 19 22:47	0°♊	
superior conj	5821 May 24 04:32	5°♊17'11	-1°02'48
minimum elong	5821 May 24 15:29	5°♊51'20	1°02'27
max. Earth dist.	5821 May 27 23:57	10°♊01'57	1.72126 AU
	5821 Jun 13 01:32	0°♋	
asc. node	5821 Jun 22 04:31	11°♋18'17	
evening rise	5821 Jul 02 01:11	23°♋29'44	
	5821 Jul 07 07:43	0°♌	
	5821 Jul 31 17:31	0°♍	
	5821 Aug 25 07:37	0°♎	
	5821 Sep 19 03:40	0°♏	
desc. node	5821 Oct 11 20:17	27°♏02'48	
	5821 Oct 14 08:18	0°♐	
	5821 Nov 09 01:40	0°♑	
	5821 Dec 05 17:20	0°♒	
evening max el	5821 Dec 28 01:07	23°♒27'59	46°48'13
	5822 Jan 03 18:26	0°♓	
asc. node	5822 Feb 01 21:23	22°♓12'25	
greatest brilliancy	5822 Feb 06 08:22	24°♓06'55	-4.9m
retrograde	5822 Feb 16 09:00	26°♓00'33	
evening set	5822 Mar 04 11:45	20°♓54'55	
inferior conj	5822 Mar 08 22:57	18°♓13'31	7°41'31
minimum elong	5822 Mar 08 12:51	18°♓29'02	7°39'46
min. Earth dist.	5822 Mar 08 10:42	18°♓32'21	0.26858 AU
morning rise	5822 Mar 12 14:07	16°♓01'42	
direct	5822 Mar 29 12:08	10°♓30'51	
greatest brilliancy	5822 Apr 07 20:19	12°♓10'22	-4.9m
	5822 May 04 23:57	0°♈	
morning max el	5822 May 18 16:32	12°♈53'35	46°41'25
desc. node	5822 May 24 13:15	18°♈49'58	
	5822 Jun 04 03:23	0°♉	
	5822 Jul 01 00:49	0°♊	
	5822 Jul 26 20:54	0°♋	
	5822 Aug 21 04:53	0°♌	
asc. node	5822 Sep 14 14:10	29°♌16'46	
	5822 Sep 15 04:29	0°♍	
	5822 Oct 09 20:44	0°♎	
	5822 Nov 03 06:42	0°♏	
morning set	5822 Nov 14 02:18	13°♏22'33	
	5822 Nov 27 11:58	0°♐	
max. Earth dist.	5822 Dec 19 00:12	26°♐46'43	1.72018 AU
superior conj	5822 Dec 21 23:01	0°♑27'33	0°31'22
minimum elong	5822 Dec 22 06:03	0°♑49'31	0°31'03
	5822 Dec 21 14:11	0°♑	
desc. node	5823 Jan 04 05:46	17°♑02'37	
	5823 Jan 14 14:21	0°♒	
evening rise	5823 Jan 30 18:31	20°♒15'11	
	5823 Feb 07 13:07	0°♓	
	5823 Mar 03 11:30	0°♈	
	5823 Mar 27 11:34	0°♉	
	5823 Apr 20 16:31	0°♊	
asc. node	5823 Apr 27 06:53	8°♊06'24	
	5823 May 15 06:25	0°♋	
	5823 Jun 09 11:01	0°♌	
	5823 Jul 05 17:37	0°♍	
evening max el	5823 Aug 03 04:41	29°♍43'46	45°35'53
	5823 Aug 03 11:25	0°♎	
desc. node	5823 Aug 16 22:39	12°♎09'51	
greatest brilliancy	5823 Sep 10 21:27	27°♎50'13	-4.7m
retrograde	5823 Sep 20 22:17	29°♎39'27	
evening set	5823 Oct 09 02:31	23°♎31'16	
inferior conj	5823 Oct 12 10:19	21°♎27'40	-8°37'05
minimum elong	5823 Oct 12 10:00	21°♎28'11	8°37'04
min. Earth dist.	5823 Oct 12 18:55	21°♎14'10	0.29028 AU
morning rise	5823 Oct 15 17:20	19°♎24'49	
direct	5823 Nov 02 23:26	13°♎09'29	
greatest brilliancy	5823 Nov 13 19:14	15°♎16'59	-4.8m
	5823 Dec 06 19:23	0°♏	
asc. node	5823 Dec 07 23:39	0°♏59'43	
morning max el	5823 Dec 22 16:59	14°♏40'02	46°18'37
	5824 Jan 06 10:41	0°♐	
	5824 Feb 02 00:13	0°♑	
	5824 Feb 27 05:17	0°♒	
	5824 Mar 22 19:47	0°♓	
desc. node	5824 Mar 28 15:29	7°♓09'42	
	5824 Apr 16 03:15	0°♈	
	5824 May 10 07:51	0°♉	
	5824 Jun 03 12:20	0°♊	
morning set	5824 Jun 26 08:46	28°♊16'39	
	5824 Jun 27 18:13	0°♋	
asc. node	5824 Jul 19 16:18	27°♋03'02	
	5824 Jul 22 01:42	0°♌	
superior conj	5824 Aug 02 23:02	14°♌39'03	0°33'26
minimum elong	5824 Aug 02 16:22	14°♌18'32	0°33'07
max. Earth dist.	5824 Aug 03 20:20	15°♌44'40	1.73299 AU
	5824 Aug 15 10:12	0°♍	
evening rise	5824 Sep 08 06:57	29°♍21'58	
	5824 Sep 08 19:19	0°♎	
	5824 Oct 03 05:29	0°♏	
	5824 Oct 27 17:36	0°♐	
desc. node	5824 Nov 08 08:08	14°♐09'34	
	5824 Nov 21 08:26	0°♑	
	5824 Dec 16 02:39	0°♒	
	5825 Jan 10 02:27	0°♓	
	5825 Feb 04 15:13	0°♈	
asc. node	5825 Mar 01 09:09	27°♈37'56	
	5825 Mar 03 14:39	0°♉	
evening max el	5825 Mar 10 14:48	7°♉15'32	47°04'06
	5825 Apr 05 01:49	0°♊	
greatest brilliancy	5825 Apr 20 02:35	8°♊30'09	-4.9m
retrograde	5825 Apr 30 07:06	10°♊28'26	
evening set	5825 May 17 01:32	5°♊01'02	
inferior conj	5825 May 21 06:48	2°♊26'32	6°47'46
minimum elong	5825 May 21 17:21	2°♊10'07	6°45'34
min. Earth dist.	5825 May 21 05:11	2°♊29'02	0.27673 AU
	5825 May 25 06:45	30°℞♉	
morning rise	5825 May 26 09:22	29°♉21'31	
direct	5825 Jun 11 03:08	24°♉31'13	
greatest brilliancy	5825 Jun 20 21:46	26°♉16'42	-4.8m
desc. node	5825 Jun 21 00:51	26°♉19'22	
	5825 Jun 29 01:11	0°♊	
morning max el	5825 Jul 30 08:02	25°♊04'29	45°56'23
	5825 Aug 04 08:43	0°♋	
	5825 Sep 01 18:22	0°♌	
	5825 Sep 28 06:01	0°♍	
asc. node	5825 Oct 12 02:08	16°♍10'11	
	5825 Oct 23 18:03	0°♎	
	5825 Nov 17 14:41	0°♏	
	5825 Dec 12 01:01	0°♐	
	5826 Jan 05 04:52	0°♑	
morning set	5826 Jan 25 03:23	24°♑54'59	
	5826 Jan 29 04:46	0°♒	
desc. node	5826 Jan 31 17:37	3°♒10'47	
	5826 Feb 22 02:12	0°♓	
superior conj	5826 Mar 07 04:33	16°♓28'31	-1°11'25
minimum elong	5826 Mar 06 17:07	15°♓52'36	1°11'05

max. Earth dist.	5826 Mar 07 01:34	16°♓19'10	1.71155 AU
	5826 Mar 17 22:32	0°♈	
	5826 Apr 10 19:29	0°♉	
evening rise	5826 Apr 16 23:40	7°♉44'26	
	5826 May 04 19:07	0°♊	
asc. node	5826 May 24 18:40	24°♊48'45	
	5826 May 28 23:24	0°♋	
	5826 Jun 22 10:03	0°♌	
	5826 Jul 17 05:14	0°♍	
	5826 Aug 11 13:10	0°♎	
	5826 Sep 06 18:36	0°♏	
desc. node	5826 Sep 13 10:26	7°♏22'06	
	5826 Oct 04 19:33	0°♐	
evening max el	5826 Oct 13 19:27	8°♐52'08	45°52'27
	5826 Nov 08 02:23	0°♑	
greatest brilliancy	5826 Nov 22 10:16	7°♑22'03	-4.8m
retrograde	5826 Dec 01 19:34	8°♑58'55	
evening set	5826 Dec 16 23:02	4°♑31'57	
inferior conj	5826 Dec 22 15:30	1°♑10'30	-3°11'19
minimum elong	5826 Dec 22 22:23	0°♑59'56	3°09'15
min. Earth dist.	5826 Dec 23 09:53	0°♑42'18	0.27381 AU
	5826 Dec 24 13:37	30°℞♐	
morning rise	5826 Dec 28 21:04	27°♐30'11	
asc. node	5827 Jan 04 11:32	24°♐34'21	
direct	5827 Jan 12 14:05	23°♐13'20	
greatest brilliancy	5827 Jan 23 13:16	25°♐29'21	-4.9m
	5827 Feb 01 08:24	0°♑	
morning max el	5827 Mar 04 05:47	26°♑23'35	46°57'02
	5827 Mar 07 18:20	0°♒	
	5827 Apr 04 02:32	0°♓	
desc. node	5827 Apr 26 03:27	25°♓41'43	
	5827 Apr 29 18:34	0°♈	
	5827 May 24 18:44	0°♉	
	5827 Jun 18 12:22	0°♊	
	5827 Jul 13 03:33	0°♋	
	5827 Aug 06 17:22	0°♌	
asc. node	5827 Aug 17 04:19	12°♌47'20	
	5827 Aug 31 05:25	0°♍	
morning set	5827 Sep 04 06:33	4°♍57'56	
	5827 Sep 24 15:05	0°♎	
max. Earth dist.	5827 Oct 09 00:47	17°♎45'38	1.73197 AU
superior conj	5827 Oct 10 18:01	19°♎52'53	1°25'28
minimum elong	5827 Oct 10 17:21	19°♎50'48	1°25'29
	5827 Oct 18 22:36	0°♏	
	5827 Nov 12 04:45	0°♐	
evening rise	5827 Nov 16 16:49	5°♐34'29	
	5827 Dec 06 10:15	0°♑	
desc. node	5827 Dec 06 19:54	0°♑29'52	
	5827 Dec 30 15:23	0°♒	
	5828 Jan 23 20:33	0°♓	
	5828 Feb 17 03:30	0°♈	
	5828 Mar 12 16:32	0°♉	
asc. node	5828 Mar 28 21:00	19°♉26'33	
	5828 Apr 06 19:38	0°♊	
	5828 May 03 05:09	0°♋	
evening max el	5828 May 21 07:48	18°♋57'10	46°17'42
	5828 Jun 02 01:09	0°♌	
greatest brilliancy	5828 Jun 28 19:28	18°♌10'25	-4.8m
retrograde	5828 Jul 09 23:50	20°♌27'00	
desc. node	5828 Jul 18 12:50	18°♌58'43	
evening set	5828 Jul 25 01:37	16°♌00'07	
inferior conj	5828 Jul 31 09:07	12°♌12'06	-3°02'16
minimum elong	5828 Jul 31 02:42	12°♌22'08	3°00'28
min. Earth dist.	5828 Jul 30 20:22	12°♌32'03	0.28671 AU
morning rise	5828 Aug 06 04:23	8°♌42'35	
direct	5828 Aug 21 19:38	4°♌02'31	
greatest brilliancy	5828 Aug 31 16:20	5°♌48'21	-4.7m
	5828 Oct 05 12:24	0°♍	
morning max el	5828 Oct 09 12:36	3°♍46'25	45°43'06
	5828 Nov 03 22:56	0°♎	
asc. node	5828 Nov 08 13:59	5°♎05'10	
	5828 Nov 30 11:09	0°♏	
	5828 Dec 25 17:05	0°♐	
	5829 Jan 19 07:08	0°♑	
	5829 Feb 12 12:30	0°♒	
desc. node	5829 Feb 28 05:33	19°♒35'45	
	5829 Mar 08 13:10	0°♓	
	5829 Apr 01 11:33	0°♈	
morning set	5829 Apr 11 20:20	13°♈00'16	
	5829 Apr 25 09:42	0°♉	
	5829 May 19 09:28	0°♊	
superior conj	5829 May 21 17:56	2°♊56'05	-1°05'19
minimum elong	5829 May 22 04:54	3°♊30'15	1°04'59
max. Earth dist.	5829 May 25 16:39	7°♊51'15	1.72072 AU
	5829 Jun 12 12:10	0°♋	
asc. node	5829 Jun 21 06:31	10°♋51'31	
evening rise	5829 Jun 29 17:03	21°♋17'36	
	5829 Jul 06 18:23	0°♌	
	5829 Jul 31 04:20	0°♍	
	5829 Aug 24 18:44	0°♎	
	5829 Sep 18 15:18	0°♏	
desc. node	5829 Oct 10 22:13	26°♏31'50	
	5829 Oct 13 20:50	0°♐	
	5829 Nov 08 15:47	0°♑	
	5829 Dec 05 10:42	0°♒	
evening max el	5829 Dec 25 14:07	21°♒03'28	46°46'27
	5830 Jan 03 21:29	0°♓	
asc. node	5830 Jan 31 23:28	20°♓29'13	
greatest brilliancy	5830 Feb 03 21:55	21°♓40'38	-4.9m
retrograde	5830 Feb 13 21:06	23°♓33'04	
evening set	5830 Mar 01 20:10	18°♓34'07	
inferior conj	5830 Mar 06 11:34	15°♓46'47	7°28'01
minimum elong	5830 Mar 06 01:07	16°♓02'52	7°26'04
min. Earth dist.	5830 Mar 05 23:59	16°♓04'37	0.26837 AU
morning rise	5830 Mar 10 06:13	13°♓29'44	
direct	5830 Mar 27 00:12	8°♓04'11	
greatest brilliancy	5830 Apr 05 10:09	9°♓44'46	-4.9m
	5830 May 05 05:55	0°♈	
morning max el	5830 May 16 04:22	10°♈26'15	46°42'56
desc. node	5830 May 23 15:08	18°♈01'26	
	5830 Jun 03 21:22	0°♉	
	5830 Jun 30 15:14	0°♊	
	5830 Jul 26 09:38	0°♋	
	5830 Aug 20 16:40	0°♌	
asc. node	5830 Sep 13 16:10	28°♌48'46	
	5830 Sep 14 15:44	0°♍	
	5830 Oct 09 07:41	0°♎	
	5830 Nov 02 17:29	0°♏	
morning set	5830 Nov 11 18:43	11°♏11'25	
	5830 Nov 26 22:43	0°♐	
max. Earth dist.	5830 Dec 16 14:32	24°♐28'08	1.72064 AU
superior conj	5830 Dec 19 12:58	28°♐07'44	0°34'42
minimum elong	5830 Dec 19 20:36	28°♐31'30	0°34'23
	5830 Dec 21 00:58	0°♑	
desc. node	5831 Jan 03 07:50	16°♑35'11	
	5831 Jan 14 01:15	0°♒	
evening rise	5831 Jan 28 06:29	17°♒47'58	
	5831 Feb 07 00:09	0°♓	
	5831 Mar 02 22:41	0°♈	
	5831 Mar 26 22:58	0°♉	
	5831 Apr 20 04:15	0°♊	

asc. node	5831 Apr 26 08:47	7°♊35'53	
	5831 May 14 18:44	0°♋	
	5831 Jun 09 00:23	0°♌	
	5831 Jul 05 09:17	0°♍	
evening max el	5831 Jul 31 18:59	27°♍29'18	45°36'29
	5831 Aug 03 10:06	0°♎	
desc. node	5831 Aug 16 00:43	11°♎10'23	
greatest brilliancy	5831 Sep 08 11:45	25°♎39'06	-4.7m
retrograde	5831 Sep 18 14:08	27°♎30'04	
evening set	5831 Oct 06 17:23	21°♎22'51	
inferior conj	5831 Oct 10 02:27	19°♎17'30	-8°36'06
minimum elong	5831 Oct 10 01:20	19°♎19'15	8°36'05
min. Earth dist.	5831 Oct 10 10:01	19°♎05'38	0.29058 AU
morning rise	5831 Oct 13 09:10	17°♎15'15	
direct	5831 Oct 31 15:23	10°♎58'50	
greatest brilliancy	5831 Nov 11 11:23	13°♎06'22	-4.8m
asc. node	5831 Dec 07 01:42	0°♏00'22	
	5831 Dec 07 01:32	0°♏	
morning max el	5831 Dec 20 08:16	12°♏24'32	46°17'04
	5832 Jan 06 04:18	0°♐	
	5832 Feb 01 14:36	0°♑	
	5832 Feb 26 18:16	0°♒	
	5832 Mar 22 07:59	0°♓	
desc. node	5832 Mar 27 17:29	6°♓38'39	
	5832 Apr 15 14:58	0°♈	
	5832 May 09 19:14	0°♉	
	5832 Jun 02 23:28	0°♊	
morning set	5832 Jun 24 00:22	26°♊02'35	
	5832 Jun 27 05:11	0°♋	
asc. node	5832 Jul 18 18:26	26°♋36'12	
	5832 Jul 21 12:32	0°♌	
superior conj	5832 Jul 31 16:12	12°♌30'52	0°30'23
minimum elong	5832 Jul 31 10:02	12°♌11'52	0°30'04
max. Earth dist.	5832 Aug 01 15:10	13°♌41'37	1.73277 AU
	5832 Aug 14 20:58	0°♍	
evening rise	5832 Sep 06 01:19	27°♍17'40	
	5832 Sep 08 06:08	0°♎	
	5832 Oct 02 16:29	0°♏	
	5832 Oct 27 04:57	0°♐	
desc. node	5832 Nov 07 10:04	13°♐40'17	
	5832 Nov 20 20:18	0°♑	
	5832 Dec 15 15:14	0°♒	
	5833 Jan 09 16:08	0°♓	
	5833 Feb 04 06:54	0°♈	
asc. node	5833 Feb 28 11:11	26°♈50'41	
	5833 Mar 03 11:08	0°♉	
evening max el	5833 Mar 08 04:45	4°♉52'20	47°04'56
	5833 Apr 06 01:32	0°♊	
greatest brilliancy	5833 Apr 17 17:04	6°♊08'39	-4.9m
retrograde	5833 Apr 27 21:57	8°♊07'24	
evening set	5833 May 14 18:57	2°♊34'57	
inferior conj	5833 May 18 20:51	0°♊05'35	7°02'34
minimum elong	5833 May 19 07:17	29°♉49'22	7°00'30
min. Earth dist.	5833 May 18 18:55	0°♊08'34	0.27649 AU
	5833 May 19 00:26	30°℞♉	
morning rise	5833 May 23 19:51	27°♉06'03	
direct	5833 Jun 08 16:58	22°♉10'32	
greatest brilliancy	5833 Jun 18 10:49	23°♉55'55	-4.8m
desc. node	5833 Jun 20 03:00	24°♉33'03	
	5833 Jun 30 11:58	0°♊	
morning max el	5833 Jul 27 23:37	22°♊50'29	45°57'43
	5833 Aug 04 05:41	0°♋	
	5833 Sep 01 09:47	0°♌	
	5833 Sep 27 19:13	0°♍	
asc. node	5833 Oct 11 04:05	15°♍38'57	
	5833 Oct 23 06:09	0°♎	
	5833 Nov 17 02:14	0°♏	
	5833 Dec 11 12:18	0°♐	
	5834 Jan 04 16:03	0°♑	
morning set	5834 Jan 22 15:17	22°♑27'06	
	5834 Jan 28 15:55	0°♒	
desc. node	5834 Jan 30 19:42	2°♒42'20	
	5834 Feb 21 13:20	0°♓	
superior conj	5834 Mar 04 14:49	13°♓54'46	-1°09'02
minimum elong	5834 Mar 04 03:07	13°♓17'58	1°08'40
max. Earth dist.	5834 Mar 04 09:56	13°♓39'25	1.71158 AU
	5834 Mar 17 09:40	0°♈	
	5834 Apr 10 06:38	0°♉	
evening rise	5834 Apr 14 10:18	5°♉12'26	
	5834 May 04 06:20	0°♊	
asc. node	5834 May 23 20:42	24°♊20'05	
	5834 May 28 10:45	0°♋	
	5834 Jun 21 21:40	0°♌	
	5834 Jul 16 17:24	0°♍	
	5834 Aug 11 02:20	0°♎	
	5834 Sep 06 09:50	0°♏	
desc. node	5834 Sep 12 12:23	6°♏43'44	
	5834 Oct 04 16:01	0°♐	
evening max el	5834 Oct 11 10:32	6°♐37'41	45°51'01
	5834 Nov 09 07:36	0°♑	
greatest brilliancy	5834 Nov 19 23:38	5°♑02'11	-4.8m
retrograde	5834 Nov 29 09:04	6°♑38'31	
evening set	5834 Dec 14 15:07	2°♑08'18	
	5834 Dec 18 07:12	30°℞♐	
inferior conj	5834 Dec 20 05:15	28°♐49'31	-3°32'10
minimum elong	5834 Dec 20 12:45	28°♐37'58	3°29'58
min. Earth dist.	5834 Dec 21 00:08	28°♐20'28	0.27440 AU
morning rise	5834 Dec 26 09:47	25°♐10'15	
asc. node	5835 Jan 03 13:37	21°♐45'46	
direct	5835 Jan 10 04:54	20°♐51'37	
greatest brilliancy	5835 Jan 21 03:49	23°♐07'15	-4.9m
	5835 Feb 02 13:16	0°♑	
morning max el	5835 Mar 01 20:12	24°♑01'17	46°56'14
	5835 Mar 07 15:23	0°♒	
	5835 Apr 03 18:27	0°♓	
desc. node	5835 Apr 25 05:24	25°♓05'41	
	5835 Apr 29 08:25	0°♈	
	5835 May 24 07:27	0°♉	
	5835 Jun 18 00:22	0°♊	
	5835 Jul 12 15:03	0°♋	
	5835 Aug 06 04:33	0°♌	
asc. node	5835 Aug 16 06:15	12°♌19'17	
	5835 Aug 30 16:23	0°♍	
morning set	5835 Sep 01 23:57	2°♍50'27	
	5835 Sep 24 01:59	0°♎	
max. Earth dist.	5835 Oct 06 18:53	15°♎39'47	1.73218 AU
superior conj	5835 Oct 08 11:46	17°♎45'57	1°25'17
minimum elong	5835 Oct 08 10:24	17°♎41'44	1°25'18
	5835 Oct 18 09:30	0°♏	
	5835 Nov 11 15:45	0°♐	
evening rise	5835 Nov 14 08:44	3°♐21'04	
desc. node	5835 Dec 05 22:00	0°♑01'48	
	5835 Dec 05 21:25	0°♑	
	5835 Dec 30 02:49	0°♒	
	5836 Jan 23 08:20	0°♓	
	5836 Feb 16 15:49	0°♈	
	5836 Mar 12 05:36	0°♉	
asc. node	5836 Mar 27 22:52	18°♉51'02	
	5836 Apr 06 10:06	0°♊	
	5836 May 02 22:46	0°♋	
evening max el	5836 May 18 23:10	16°♋41'19	46°19'36

	5836 Jun 02 06:21	0°♌	
greatest brilliancy	5836 Jun 26 12:34	15°♌59'07	-4.8m
retrograde	5836 Jul 07 15:40	18°♌14'30	
desc. node	5836 Jul 17 14:53	16°♌15'03	
evening set	5836 Jul 22 16:51	13°♌49'14	
min. Earth dist.	5836 Jul 28 12:33	10°♌19'41	0.28631 AU
inferior conj	5836 Jul 29 00:59	10°♌00'12	-2°43'05
minimum elong	5836 Jul 28 19:10	10°♌09'18	2°41'25
morning rise	5836 Aug 03 22:05	6°♌27'52	
direct	5836 Aug 19 11:05	1°♌51'21	
greatest brilliancy	5836 Aug 29 07:26	3°♌36'31	-4.7m
	5836 Oct 05 12:16	0°♍	
morning max el	5836 Oct 07 02:54	1°♍31'48	45°42'40
	5836 Nov 03 15:03	0°♎	
asc. node	5836 Nov 07 15:59	4°♎27'38	
	5836 Nov 30 00:44	0°♏	
	5836 Dec 25 05:31	0°♐	
	5837 Jan 18 18:58	0°♑	
	5837 Feb 12 00:01	0°♒	
desc. node	5837 Feb 27 07:31	19°♒06'15	
	5837 Mar 08 00:29	0°♓	
	5837 Mar 31 22:45	0°♈	
morning set	5837 Apr 09 07:14	10°♈28'58	
	5837 Apr 24 20:49	0°♉	
	5837 May 18 20:29	0°♊	
superior conj	5837 May 19 06:58	0°♊32'41	-1°07'44
minimum elong	5837 May 19 17:50	1°♊06'33	1°07'25
max. Earth dist.	5837 May 23 06:14	5°♊29'40	1.72019 AU
	5837 Jun 11 23:08	0°♋	
asc. node	5837 Jun 20 08:36	10°♋24'00	
evening rise	5837 Jun 27 08:19	19°♋02'34	
	5837 Jul 06 05:23	0°♌	
	5837 Jul 30 15:29	0°♍	
	5837 Aug 24 06:11	0°♎	
	5837 Sep 18 03:17	0°♏	
desc. node	5837 Oct 10 00:11	25°♏59'58	
	5837 Oct 13 09:46	0°♐	
	5837 Nov 08 06:23	0°♑	
	5837 Dec 05 04:43	0°♒	
evening max el	5837 Dec 23 02:40	18°♒37'23	46°44'49
	5838 Jan 04 02:30	0°♓	
asc. node	5838 Jan 31 01:25	18°♓41'34	
greatest brilliancy	5838 Feb 01 11:27	19°♓14'06	-4.9m
retrograde	5838 Feb 11 09:23	21°♓05'49	
evening set	5838 Feb 27 04:46	16°♓12'56	
min. Earth dist.	5838 Mar 03 13:23	13°♓36'55	0.26818 AU
inferior conj	5838 Mar 04 00:18	13°♓20'07	7°13'42
minimum elong	5838 Mar 03 13:35	13°♓36'36	7°11'34
morning rise	5838 Mar 07 22:27	10°♓57'58	
direct	5838 Mar 24 12:11	5°♓37'24	
greatest brilliancy	5838 Apr 03 00:13	7°♓19'31	-4.9m
	5838 May 05 10:01	0°♈	
morning max el	5838 May 13 16:57	8°♈00'24	46°44'18
desc. node	5838 May 22 17:17	17°♈14'00	
	5838 Jun 03 15:05	0°♉	
	5838 Jun 30 05:40	0°♊	
	5838 Jul 25 22:30	0°♋	
	5838 Aug 20 04:37	0°♌	
asc. node	5838 Sep 12 18:07	28°♌20'11	
	5838 Sep 14 03:07	0°♍	
	5838 Oct 08 18:44	0°♎	
	5838 Nov 02 04:23	0°♏	
morning set	5838 Nov 09 11:02	8°♏59'41	
	5838 Nov 26 09:35	0°♐	
max. Earth dist.	5838 Dec 14 06:13	22°♐13'25	1.72111 AU
superior conj	5838 Dec 17 02:58	25°♐47'41	0°37'58
minimum elong	5838 Dec 17 11:07	26°♐13'07	0°37'39
	5838 Dec 20 11:53	0°♑	
desc. node	5839 Jan 02 09:52	16°♑07'20	
	5839 Jan 13 12:15	0°♒	
evening rise	5839 Jan 25 18:40	15°♒21'16	
	5839 Feb 06 11:15	0°♓	
	5839 Mar 02 09:54	0°♈	
	5839 Mar 26 10:22	0°♉	
	5839 Apr 19 15:59	0°♊	
asc. node	5839 Apr 25 10:51	7°♊06'02	
	5839 May 14 07:03	0°♋	
	5839 Jun 08 13:51	0°♌	
	5839 Jul 05 01:15	0°♍	
evening max el	5839 Jul 29 10:15	25°♍17'03	45°37'11
	5839 Aug 03 09:52	0°♎	
desc. node	5839 Aug 15 02:40	10°♎08'59	
greatest brilliancy	5839 Sep 06 01:36	23°♎27'23	-4.7m
retrograde	5839 Sep 16 06:30	25°♎20'34	
evening set	5839 Oct 04 07:56	19°♎14'46	
inferior conj	5839 Oct 07 18:34	17°♎07'11	-8°34'26
minimum elong	5839 Oct 07 16:40	17°♎10'09	8°34'22
min. Earth dist.	5839 Oct 08 00:46	16°♎57'28	0.29085 AU
morning rise	5839 Oct 11 01:18	15°♎05'06	
direct	5839 Oct 29 07:41	8°♎48'16	
greatest brilliancy	5839 Nov 09 02:55	10°♎55'18	-4.8m
asc. node	5839 Dec 06 03:49	29°♎02'37	
	5839 Dec 07 05:38	0°♏	
morning max el	5839 Dec 18 00:23	10°♏11'30	46°15'25
	5840 Jan 05 21:29	0°♐	
	5840 Feb 01 04:47	0°♑	
	5840 Feb 26 07:05	0°♒	
	5840 Mar 21 20:03	0°♓	
desc. node	5840 Mar 26 19:25	6°♓07'48	
	5840 Apr 15 02:31	0°♈	
	5840 May 09 06:25	0°♉	
	5840 Jun 02 10:24	0°♊	
morning set	5840 Jun 21 16:11	23°♊49'43	
	5840 Jun 26 15:56	0°♋	
asc. node	5840 Jul 17 20:22	26°♋09'20	
	5840 Jul 20 23:11	0°♌	
superior conj	5840 Jul 29 09:19	10°♌23'02	0°27'17
minimum elong	5840 Jul 29 03:41	10°♌05'40	0°27'00
max. Earth dist.	5840 Jul 30 11:22	11°♌43'19	1.73258 AU
	5840 Aug 14 07:34	0°♍	
evening rise	5840 Sep 03 19:35	25°♍13'33	
	5840 Sep 07 16:48	0°♎	
	5840 Oct 02 03:20	0°♏	
	5840 Oct 26 16:09	0°♐	
desc. node	5840 Nov 06 12:09	13°♐11'58	
	5840 Nov 20 08:01	0°♑	
	5840 Dec 15 03:42	0°♒	
	5841 Jan 09 05:45	0°♓	
	5841 Feb 03 22:38	0°♈	
asc. node	5841 Feb 27 13:08	26°♈03'00	
	5841 Mar 03 08:06	0°♉	
evening max el	5841 Mar 05 19:51	2°♉32'43	47°05'41
	5841 Apr 07 10:05	0°♊	
greatest brilliancy	5841 Apr 15 07:30	3°♊48'01	-4.9m
retrograde	5841 Apr 25 13:08	5°♊47'06	
evening set	5841 May 12 12:27	0°♊09'55	
	5841 May 12 19:09	30°℞♉	
inferior conj	5841 May 16 10:55	27°♉45'34	7°16'42
minimum elong	5841 May 16 21:11	27°♉29'39	7°14'46
min. Earth dist.	5841 May 16 08:26	27°♉49'26	0.27619 AU
morning rise	5841 May 21 06:11	24°♉51'42	

direct	5841 Jun 06 07:09	19°♉51'11	
greatest brilliancy	5841 Jun 15 23:14	21°♉35'35	-4.8m
desc. node	5841 Jun 19 04:57	22°♉51'42	
	5841 Jul 01 12:02	0°♊	
morning max el	5841 Jul 25 15:08	20°♊37'31	45°58'59
	5841 Aug 04 01:28	0°♋	
	5841 Sep 01 00:35	0°♌	
	5841 Sep 27 08:00	0°♍	
asc. node	5841 Oct 10 06:06	15°♍08'54	
	5841 Oct 22 17:56	0°♎	
	5841 Nov 16 13:28	0°♏	
	5841 Dec 10 23:17	0°♐	
	5842 Jan 04 02:55	0°♑	
morning set	5842 Jan 20 03:17	20°♑00'38	
	5842 Jan 28 02:43	0°♒	
desc. node	5842 Jan 29 21:34	2°♒14'16	
	5842 Feb 21 00:09	0°♓	
max. Earth dist.	5842 Mar 01 17:18	10°♓57'32	1.71163 AU
superior conj	5842 Mar 02 01:07	11°♓22'08	-1°06'30
minimum elong	5842 Mar 01 13:14	10°♓44'45	1°06'06
	5842 Mar 16 20:30	0°♈	
	5842 Apr 09 17:30	0°♉	
evening rise	5842 Apr 11 20:55	2°♉41'13	
	5842 May 03 17:14	0°♊	
asc. node	5842 May 22 22:46	23°♊52'36	
	5842 May 27 21:45	0°♋	
	5842 Jun 21 08:54	0°♌	
	5842 Jul 16 05:09	0°♍	
	5842 Aug 10 15:08	0°♎	
	5842 Sep 06 00:49	0°♏	
desc. node	5842 Sep 11 14:21	6°♏06'11	
	5842 Oct 04 12:44	0°♐	
evening max el	5842 Oct 09 01:20	4°♐23'45	45°49'26
	5842 Nov 11 00:55	0°♑	
greatest brilliancy	5842 Nov 17 13:44	2°♑44'27	-4.8m
retrograde	5842 Nov 26 22:03	4°♑19'37	
	5842 Dec 11 21:14	30°℞♐	
evening set	5842 Dec 12 07:25	29°♐46'03	
inferior conj	5842 Dec 17 19:10	26°♐30'13	-3°52'32
minimum elong	5842 Dec 18 03:14	26°♐17'48	3°50'14
min. Earth dist.	5842 Dec 18 14:51	25°♐59'53	0.27500 AU
morning rise	5842 Dec 23 22:24	22°♐52'08	
asc. node	5843 Jan 02 15:30	19°♐04'09	
direct	5843 Jan 07 19:28	18°♐31'32	
greatest brilliancy	5843 Jan 18 18:57	20°♐47'13	-4.9m
	5843 Feb 03 09:39	0°♑	
morning max el	5843 Feb 27 09:44	21°♑37'56	46°55'23
	5843 Mar 07 11:17	0°♒	
	5843 Apr 03 09:44	0°♓	
desc. node	5843 Apr 24 07:29	24°♓31'30	
	5843 Apr 28 21:45	0°♈	
	5843 May 23 19:44	0°♉	
	5843 Jun 17 11:57	0°♊	
	5843 Jul 12 02:08	0°♋	
	5843 Aug 05 15:16	0°♌	
asc. node	5843 Aug 15 08:13	11°♌52'47	
	5843 Aug 30 02:54	0°♍	
morning set	5843 Aug 30 17:41	0°♍45'21	
	5843 Sep 23 12:25	0°♎	
max. Earth dist.	5843 Oct 04 12:49	13°♎34'54	1.73243 AU
superior conj	5843 Oct 06 05:50	15°♎41'24	1°25'00
minimum elong	5843 Oct 06 03:46	15°♎35'04	1°25'00
	5843 Oct 17 19:59	0°♏	
	5843 Nov 11 02:21	0°♐	
evening rise	5843 Nov 12 00:50	1°♐09'33	
desc. node	5843 Dec 05 00:01	29°♐34'34	
	5843 Dec 05 08:14	0°♑	
	5843 Dec 29 13:55	0°♒	
	5844 Jan 22 19:49	0°♓	
	5844 Feb 16 03:47	0°♈	
	5844 Mar 11 18:22	0°♉	
asc. node	5844 Mar 27 00:57	18°♉17'03	
	5844 Apr 06 00:19	0°♊	
	5844 May 02 16:20	0°♋	
evening max el	5844 May 16 13:47	14°♋24'36	46°21'30
	5844 Jun 02 13:10	0°♌	
greatest brilliancy	5844 Jun 24 05:57	13°♌49'11	-4.8m
retrograde	5844 Jul 05 07:22	16°♌03'28	
desc. node	5844 Jul 16 16:48	13°♌28'30	
evening set	5844 Jul 20 08:17	11°♌39'21	
min. Earth dist.	5844 Jul 26 05:09	8°♌08'19	0.28588 AU
inferior conj	5844 Jul 26 16:55	7°♌49'50	-2°23'32
minimum elong	5844 Jul 26 11:45	7°♌57'56	2°22'04
morning rise	5844 Aug 01 15:44	4°♌14'52	
	5844 Aug 13 02:57	30°℞♋	
direct	5844 Aug 17 02:08	29°♋41'33	
	5844 Aug 21 03:13	0°♌	
greatest brilliancy	5844 Aug 26 23:07	1°♌26'48	-4.7m
morning max el	5844 Oct 04 17:08	29°♌18'32	45°42'25
	5844 Oct 05 10:27	0°♍	
	5844 Nov 03 06:21	0°♎	
asc. node	5844 Nov 06 18:05	3°♎52'13	
	5844 Nov 29 13:45	0°♏	
	5844 Dec 24 17:31	0°♐	
	5845 Jan 18 06:26	0°♑	
	5845 Feb 11 11:12	0°♒	
desc. node	5845 Feb 26 09:33	18°♒38'01	
	5845 Mar 07 11:29	0°♓	
	5845 Mar 31 09:37	0°♈	
morning set	5845 Apr 06 17:48	7°♈57'34	
	5845 Apr 24 07:34	0°♉	
superior conj	5845 May 16 19:48	28°♉09'41	-1°10'03
minimum elong	5845 May 17 06:29	28°♉43'01	1°09'45
	5845 May 18 07:10	0°♊	
max. Earth dist.	5845 May 20 17:20	3°♊01'23	1.71967 AU
	5845 Jun 11 09:47	0°♋	
asc. node	5845 Jun 19 10:31	9°♋56'59	
evening rise	5845 Jun 24 23:28	16°♋48'05	
	5845 Jul 05 16:04	0°♌	
	5845 Jul 30 02:18	0°♍	
	5845 Aug 23 17:16	0°♎	
	5845 Sep 17 14:55	0°♏	
desc. node	5845 Oct 09 02:18	25°♏29'42	
	5845 Oct 12 22:20	0°♐	
	5845 Nov 07 20:42	0°♑	
	5845 Dec 04 22:48	0°♒	
evening max el	5845 Dec 20 15:15	16°♒12'32	46°42'57
	5846 Jan 04 09:19	0°♓	
greatest brilliancy	5846 Jan 30 00:19	16°♓46'57	-4.9m
asc. node	5846 Jan 30 03:24	16°♓49'43	
retrograde	5846 Feb 08 21:50	18°♓38'36	
evening set	5846 Feb 24 13:11	13°♓51'14	
min. Earth dist.	5846 Mar 01 02:27	11°♓09'00	0.26804 AU
inferior conj	5846 Mar 01 12:46	10°♓53'11	6°58'12
minimum elong	5846 Mar 01 01:52	11°♓09'54	6°55'55
morning rise	5846 Mar 05 14:34	8°♓25'59	
direct	5846 Mar 22 00:15	3°♓10'11	
greatest brilliancy	5846 Mar 31 13:58	4°♓53'56	-4.9m
	5846 May 05 12:20	0°♈	
morning max el	5846 May 11 06:20	5°♈36'56	46°45'44
desc. node	5846 May 21 19:17	16°♈27'21	

	5846 Jun 03 08:12	0°♉	
	5846 Jun 29 19:43	0°♊	
	5846 Jul 25 11:02	0°♋	
	5846 Aug 19 16:17	0°♌	
asc. node	5846 Sep 11 20:11	27°♌52'43	
	5846 Sep 13 14:14	0°♍	
	5846 Oct 08 05:31	0°♎	
	5846 Nov 01 14:59	0°♏	
morning set	5846 Nov 07 03:48	6°♏50'20	
	5846 Nov 25 20:09	0°♐	
max. Earth dist.	5846 Dec 11 23:42	20°♐05'16	1.72156 AU
superior conj	5846 Dec 14 17:24	23°♐29'57	0°41'09
minimum elong	5846 Dec 15 02:01	23°♐56'48	0°40'48
	5846 Dec 19 22:31	0°♑	
desc. node	5847 Jan 01 11:47	15°♑39'56	
	5847 Jan 12 23:02	0°♒	
evening rise	5847 Jan 23 07:07	12°♒56'08	
	5847 Feb 05 22:10	0°♓	
	5847 Mar 01 20:59	0°♈	
	5847 Mar 25 21:41	0°♉	
	5847 Apr 19 03:40	0°♊	
asc. node	5847 Apr 24 12:52	6°♊36'10	
	5847 May 13 19:21	0°♋	
	5847 Jun 08 03:20	0°♌	
	5847 Jul 04 17:24	0°♍	
evening max el	5847 Jul 27 02:17	23°♍06'57	45°37'57
	5847 Aug 03 10:43	0°♎	
desc. node	5847 Aug 14 04:42	9°♎06'29	
greatest brilliancy	5847 Sep 03 15:25	21°♎15'59	-4.7m
retrograde	5847 Sep 13 22:58	23°♎11'12	
evening set	5847 Oct 01 22:14	17°♎07'29	
inferior conj	5847 Oct 05 10:38	14°♎57'10	-8°32'03
minimum elong	5847 Oct 05 08:00	15°♎01'17	8°31'57
min. Earth dist.	5847 Oct 05 15:17	14°♎49'52	0.29104 AU
morning rise	5847 Oct 08 17:42	12°♎54'40	
direct	5847 Oct 27 00:17	6°♎38'13	
greatest brilliancy	5847 Nov 06 17:44	8°♎43'56	-4.8m
asc. node	5847 Dec 05 05:41	28°♎06'03	
	5847 Dec 07 07:52	0°♏	
morning max el	5847 Dec 15 16:47	7°♏59'57	46°13'54
	5848 Jan 05 14:07	0°♐	
	5848 Jan 31 18:37	0°♑	
	5848 Feb 25 19:42	0°♒	
	5848 Mar 21 07:59	0°♓	
desc. node	5848 Mar 25 21:31	5°♓37'43	
	5848 Apr 14 14:01	0°♈	
	5848 May 08 17:37	0°♉	
	5848 Jun 01 21:23	0°♊	
morning set	5848 Jun 19 07:27	21°♊34'58	
	5848 Jun 26 02:44	0°♋	
asc. node	5848 Jul 16 22:19	25°♋42'24	
	5848 Jul 20 09:51	0°♌	
superior conj	5848 Jul 27 01:56	8°♌13'29	0°24'06
minimum elong	5848 Jul 26 20:53	7°♌57'55	0°23'50
max. Earth dist.	5848 Jul 28 08:55	9°♌48'55	1.73234 AU
	5848 Aug 13 18:13	0°♍	
evening rise	5848 Sep 01 13:38	23°♍08'34	
	5848 Sep 07 03:31	0°♎	
	5848 Oct 01 14:17	0°♏	
	5848 Oct 26 03:26	0°♐	
desc. node	5848 Nov 05 14:08	12°♐43'11	
	5848 Nov 19 19:47	0°♑	
	5848 Dec 14 16:12	0°♒	
	5849 Jan 08 19:26	0°♓	
	5849 Feb 03 14:33	0°♈	
asc. node	5849 Feb 26 15:12	25°♈14'52	
	5849 Mar 03 05:51	0°♉	
evening max el	5849 Mar 03 11:09	0°♉13'28	47°06'05
	5849 Apr 09 11:30	0°♊	
greatest brilliancy	5849 Apr 12 22:01	1°♊26'45	-4.9m
retrograde	5849 Apr 23 03:49	3°♊25'29	
	5849 May 06 03:26	30°℞♉	
evening set	5849 May 10 05:48	27°♉43'49	
inferior conj	5849 May 14 00:49	25°♉24'23	7°30'07
minimum elong	5849 May 14 10:50	25°♉08'50	7°28'20
min. Earth dist.	5849 May 13 21:50	25°♉29'00	0.27592 AU
morning rise	5849 May 18 16:08	22°♉36'08	
direct	5849 Jun 03 21:13	17°♉30'41	
greatest brilliancy	5849 Jun 13 11:32	19°♉13'47	-4.8m
desc. node	5849 Jun 18 06:54	21°♉12'53	
	5849 Jul 02 06:16	0°♊	
morning max el	5849 Jul 23 05:54	18°♊21'47	46°00'14
	5849 Aug 03 20:58	0°♋	
	5849 Aug 31 15:25	0°♌	
	5849 Sep 26 20:52	0°♍	
asc. node	5849 Oct 09 08:08	14°♍38'29	
	5849 Oct 22 05:49	0°♎	
	5849 Nov 16 00:51	0°♏	
	5849 Dec 10 10:25	0°♐	
	5850 Jan 03 13:55	0°♑	
morning set	5850 Jan 17 15:44	17°♑35'11	
	5850 Jan 27 13:39	0°♒	
desc. node	5850 Jan 28 23:39	1°♒46'34	
	5850 Feb 20 11:03	0°♓	
superior conj	5850 Feb 27 11:57	8°♓50'56	-1°03'51
minimum elong	5850 Feb 26 23:59	8°♓13'18	1°03'27
max. Earth dist.	5850 Feb 26 23:29	8°♓11'45	1.71167 AU
	5850 Mar 16 07:25	0°♈	
evening rise	5850 Apr 09 07:47	0°♉10'23	
	5850 Apr 09 04:28	0°♉	
	5850 May 03 04:18	0°♊	
asc. node	5850 May 22 00:39	23°♊23'55	
	5850 May 27 08:58	0°♋	
	5850 Jun 20 20:26	0°♌	
	5850 Jul 15 17:16	0°♍	
	5850 Aug 10 04:22	0°♎	
	5850 Sep 05 16:23	0°♏	
desc. node	5850 Sep 10 16:28	5°♏27'43	
	5850 Oct 04 10:38	0°♐	
evening max el	5850 Oct 06 15:05	2°♐06'19	45°47'58
	5850 Nov 13 21:47	0°♑	
greatest brilliancy	5850 Nov 15 04:01	0°♑26'02	-4.8m
retrograde	5850 Nov 24 10:40	2°♑00'02	
	5850 Dec 04 12:30	30°℞♐	
evening set	5850 Dec 09 23:46	27°♐22'37	
inferior conj	5850 Dec 15 09:03	24°♐10'07	-4°12'29
minimum elong	5850 Dec 15 17:37	23°♐56'54	4°10'05
min. Earth dist.	5850 Dec 16 05:48	23°♐38'06	0.27561 AU
morning rise	5850 Dec 21 10:45	20°♐33'32	
asc. node	5851 Jan 01 17:33	16°♐26'42	
direct	5851 Jan 05 09:31	16°♐10'21	
greatest brilliancy	5851 Jan 16 10:35	18°♐26'57	-4.9m
	5851 Feb 04 01:12	0°♑	
morning max el	5851 Feb 24 22:56	19°♑12'55	46°54'48
	5851 Mar 07 06:52	0°♒	
	5851 Apr 03 00:59	0°♓	
desc. node	5851 Apr 23 09:28	23°♓56'44	
	5851 Apr 28 11:09	0°♈	
	5851 May 23 08:07	0°♉	
	5851 Jun 16 23:42	0°♊	
	5851 Jul 11 13:27	0°♋	

	5851 Aug 05 02:18	0°♌	
asc. node	5851 Aug 14 10:19	11°♌25'37	
morning set	5851 Aug 28 11:00	28°♌37'52	
	5851 Aug 29 13:46	0°♍	
	5851 Sep 22 23:12	0°♎	
max. Earth dist.	5851 Oct 02 06:27	11°♎28'03	1.73267 AU
superior conj	5851 Oct 03 23:33	13°♎34'48	1°24'34
minimum elong	5851 Oct 03 20:49	13°♎26'22	1°24'34
	5851 Oct 17 06:47	0°♏	
evening rise	5851 Nov 09 16:47	28°♏56'38	
	5851 Nov 10 13:17	0°♐	
desc. node	5851 Dec 04 01:55	29°♐05'55	
	5851 Dec 04 19:24	0°♑	
	5851 Dec 29 01:23	0°♒	
	5852 Jan 22 07:39	0°♓	
	5852 Feb 15 16:08	0°♈	
	5852 Mar 11 07:29	0°♉	
asc. node	5852 Mar 26 03:00	17°♉42'03	
	5852 Apr 05 14:55	0°♊	
	5852 May 02 10:32	0°♋	
evening max el	5852 May 14 03:56	12°♋06'07	46°23'27
	5852 Jun 02 22:54	0°♌	
greatest brilliancy	5852 Jun 21 22:45	11°♌37'49	-4.8m
retrograde	5852 Jul 02 23:10	13°♌51'51	
desc. node	5852 Jul 15 18:52	10°♌36'56	
evening set	5852 Jul 17 23:53	9°♌28'10	
inferior conj	5852 Jul 24 08:54	5°♌38'32	-2°03'44
minimum elong	5852 Jul 24 04:23	5°♌45'36	2°02'26
min. Earth dist.	5852 Jul 23 21:45	5°♌56'01	0.28554 AU
morning rise	5852 Jul 30 09:20	2°♌01'16	
	5852 Aug 03 10:50	30°℞♋	
direct	5852 Aug 14 17:07	27°♋30'32	
greatest brilliancy	5852 Aug 24 15:19	29°♋16'33	-4.7m
	5852 Aug 26 14:17	0°♌	
morning max el	5852 Oct 02 08:07	27°♌05'47	45°42'08
	5852 Oct 05 08:18	0°♍	
	5852 Nov 02 21:54	0°♎	
asc. node	5852 Nov 05 19:59	3°♎15'08	
	5852 Nov 29 03:05	0°♏	
	5852 Dec 24 05:50	0°♐	
	5853 Jan 17 18:14	0°♑	
	5853 Feb 10 22:43	0°♒	
desc. node	5853 Feb 25 11:34	18°♒08'40	
	5853 Mar 06 22:49	0°♓	
	5853 Mar 30 20:49	0°♈	
morning set	5853 Apr 04 04:23	5°♈25'05	
	5853 Apr 23 18:37	0°♉	
superior conj	5853 May 14 08:50	25°♉46'19	-1°12'12
minimum elong	5853 May 14 19:17	26°♉18'56	1°11'57
	5853 May 17 18:07	0°♊	
max. Earth dist.	5853 May 18 03:12	0°♊28'20	1.71913 AU
	5853 Jun 10 20:42	0°♋	
asc. node	5853 Jun 18 12:31	9°♋29'27	
evening rise	5853 Jun 22 14:52	14°♋33'35	
	5853 Jul 05 03:02	0°♌	
	5853 Jul 29 13:26	0°♍	
	5853 Aug 23 04:44	0°♎	
	5853 Sep 17 02:58	0°♏	
desc. node	5853 Oct 08 04:13	24°♏57'23	
	5853 Oct 12 11:26	0°♐	
	5853 Nov 07 11:41	0°♑	
	5853 Dec 04 17:51	0°♒	
evening max el	5853 Dec 18 04:41	13°♒48'46	46°41'12
	5854 Jan 04 19:20	0°♓	
greatest brilliancy	5854 Jan 27 12:33	14°♓18'00	-4.9m
asc. node	5854 Jan 29 05:29	14°♓52'07	
retrograde	5854 Feb 06 10:43	16°♓10'12	
evening set	5854 Feb 21 21:44	11°♓27'59	
min. Earth dist.	5854 Feb 26 15:09	8°♓40'10	0.26790 AU
inferior conj	5854 Feb 27 01:09	8°♓24'52	6°41'52
minimum elong	5854 Feb 26 14:09	8°♓41'42	6°39'27
morning rise	5854 Mar 03 06:37	5°♓52'45	
direct	5854 Mar 19 12:51	0°♓41'45	
greatest brilliancy	5854 Mar 29 03:14	2°♓26'35	-4.9m
	5854 May 05 13:42	0°♈	
morning max el	5854 May 08 20:37	3°♈14'40	46°47'12
desc. node	5854 May 20 21:11	15°♈40'09	
	5854 Jun 03 01:17	0°♉	
	5854 Jun 29 09:53	0°♊	
	5854 Jul 24 23:44	0°♋	
	5854 Aug 19 04:08	0°♌	
asc. node	5854 Sep 10 22:09	27°♌24'16	
	5854 Sep 13 01:35	0°♍	
	5854 Oct 07 16:35	0°♎	
	5854 Nov 01 01:56	0°♏	
morning set	5854 Nov 04 20:34	4°♏39'57	
	5854 Nov 25 07:05	0°♐	
max. Earth dist.	5854 Dec 09 15:26	17°♐50'37	1.72200 AU
superior conj	5854 Dec 12 07:46	21°♐10'55	0°44'16
minimum elong	5854 Dec 12 16:45	21°♐38'56	0°43'53
	5854 Dec 19 09:32	0°♑	
desc. node	5854 Dec 31 13:52	15°♑11'58	
	5855 Jan 12 10:08	0°♒	
evening rise	5855 Jan 20 19:23	10°♒29'26	
	5855 Feb 05 09:25	0°♓	
	5855 Mar 01 08:24	0°♈	
	5855 Mar 25 09:20	0°♉	
	5855 Apr 18 15:41	0°♊	
asc. node	5855 Apr 23 14:46	6°♊04'56	
	5855 May 13 08:00	0°♋	
	5855 Jun 07 17:11	0°♌	
	5855 Jul 04 10:01	0°♍	
evening max el	5855 Jul 24 18:58	20°♍58'04	45°38'48
	5855 Aug 03 13:02	0°♎	
desc. node	5855 Aug 13 06:45	8°♎02'15	
greatest brilliancy	5855 Sep 01 05:42	19°♎05'16	-4.7m
retrograde	5855 Sep 11 15:21	21°♎01'59	
evening set	5855 Sep 29 12:32	15°♎01'02	
inferior conj	5855 Oct 03 02:58	12°♎47'26	-8°28'54
minimum elong	5855 Oct 02 23:36	12°♎52'42	8°28'44
min. Earth dist.	5855 Oct 03 06:02	12°♎42'37	0.29123 AU
morning rise	5855 Oct 06 10:38	10°♎43'58	
direct	5855 Oct 24 17:24	4°♎28'35	
greatest brilliancy	5855 Nov 04 08:31	6°♎32'21	-4.8m
asc. node	5855 Dec 04 07:44	27°♎10'25	
	5855 Dec 07 09:01	0°♏	
morning max el	5855 Dec 13 08:49	5°♏46'51	46°12'08
	5856 Jan 05 06:46	0°♐	
	5856 Jan 31 08:41	0°♑	
	5856 Feb 25 08:33	0°♒	
	5856 Mar 20 20:08	0°♓	
desc. node	5856 Mar 24 23:30	5°♓06'34	
	5856 Apr 14 01:43	0°♈	
	5856 May 08 05:01	0°♉	
	5856 Jun 01 08:33	0°♊	
morning set	5856 Jun 16 22:48	19°♊19'48	
	5856 Jun 25 13:43	0°♋	
asc. node	5856 Jul 16 00:26	25°♋15'30	
	5856 Jul 19 20:42	0°♌	
superior conj	5856 Jul 24 18:47	6°♌04'04	0°20'54

minimum elong	5856 Jul 24 14:21	5°♌50'23	0°20'39
max. Earth dist.	5856 Jul 26 06:51	7°♌55'15	1.73204 AU
	5856 Aug 13 04:59	0°♍	
evening rise	5856 Aug 30 08:00	21°♍04'14	
	5856 Sep 06 14:21	0°♎	
	5856 Oct 01 01:19	0°♏	
	5856 Oct 25 14:50	0°♐	
desc. node	5856 Nov 04 16:06	12°♐13'56	
	5856 Nov 19 07:45	0°♑	
	5856 Dec 14 04:58	0°♒	
	5857 Jan 08 09:29	0°♓	
	5857 Feb 03 07:02	0°♈	
asc. node	5857 Feb 25 17:12	24°♈24'59	
evening max el	5857 Mar 01 01:54	27°♈51'55	47°06'27
	5857 Mar 03 04:46	0°♉	
greatest brilliancy	5857 Apr 10 13:06	29°♉05'28	-4.9m
	5857 Apr 13 08:38	0°♊	
retrograde	5857 Apr 20 17:58	1°♊03'04	
	5857 Apr 27 21:18	30°℞♉	
evening set	5857 May 07 23:06	25°♉17'15	
inferior conj	5857 May 11 14:42	23°♉02'42	7°42'47
minimum elong	5857 May 12 00:22	22°♉47'40	7°41'11
min. Earth dist.	5857 May 11 11:29	23°♉07'42	0.27561 AU
morning rise	5857 May 16 01:54	20°♉20'11	
direct	5857 Jun 01 10:58	15°♉09'43	
greatest brilliancy	5857 Jun 11 00:16	16°♉51'53	-4.8m
desc. node	5857 Jun 17 09:02	19°♉37'25	
	5857 Jul 02 20:00	0°♊	
morning max el	5857 Jul 20 19:50	16°♊03'34	46°01'36
	5857 Aug 03 15:58	0°♋	
	5857 Aug 31 06:04	0°♌	
	5857 Sep 26 09:38	0°♍	
asc. node	5857 Oct 08 10:03	14°♍07'53	
	5857 Oct 21 17:38	0°♎	
	5857 Nov 15 12:11	0°♏	
	5857 Dec 09 21:31	0°♐	
	5858 Jan 03 00:55	0°♑	
morning set	5858 Jan 15 04:14	15°♑09'44	
	5858 Jan 27 00:38	0°♒	
desc. node	5858 Jan 28 01:43	1°♒18'35	
	5858 Feb 19 22:04	0°♓	
max. Earth dist.	5858 Feb 24 01:37	5°♓12'57	1.71178 AU
superior conj	5858 Feb 24 22:29	6°♓18'31	-1°01'04
minimum elong	5858 Feb 24 10:33	5°♓41'01	1°00'38
	5858 Mar 15 18:27	0°♈	
evening rise	5858 Apr 06 18:06	27°♈37'31	
	5858 Apr 08 15:32	0°♉	
	5858 May 02 15:24	0°♊	
asc. node	5858 May 21 02:43	22°♊55'38	
	5858 May 26 20:13	0°♋	
	5858 Jun 20 08:00	0°♌	
	5858 Jul 15 05:25	0°♍	
	5858 Aug 09 17:39	0°♎	
	5858 Sep 05 08:05	0°♏	
desc. node	5858 Sep 09 18:25	4°♏48'44	
evening max el	5858 Oct 04 04:20	29°♏48'29	45°46'41
	5858 Oct 04 09:09	0°♐	
greatest brilliancy	5858 Nov 12 18:21	28°♐09'08	-4.8m
retrograde	5858 Nov 21 23:50	29°♐42'33	
evening set	5858 Dec 07 16:30	25°♐00'47	
inferior conj	5858 Dec 12 23:19	21°♐51'53	-4°31'30
minimum elong	5858 Dec 13 08:19	21°♐37'59	4°29'04
min. Earth dist.	5858 Dec 13 21:01	21°♐18'23	0.27627 AU
morning rise	5858 Dec 18 23:20	18°♐17'16	
asc. node	5858 Dec 31 19:36	13°♐56'37	
direct	5859 Jan 02 23:49	13°♐50'53	
greatest brilliancy	5859 Jan 14 02:55	16°♐09'01	-4.9m
	5859 Feb 04 12:26	0°♑	
morning max el	5859 Feb 22 12:41	16°♑49'45	46°53'54
	5859 Mar 07 01:47	0°♒	
	5859 Apr 02 16:01	0°♓	
desc. node	5859 Apr 22 11:25	23°♓21'59	
	5859 Apr 28 00:28	0°♈	
	5859 May 22 20:27	0°♉	
	5859 Jun 16 11:22	0°♊	
	5859 Jul 11 00:39	0°♋	
	5859 Aug 04 13:11	0°♌	
asc. node	5859 Aug 13 12:14	10°♌58'26	
morning set	5859 Aug 26 04:21	26°♌30'56	
	5859 Aug 29 00:28	0°♍	
	5859 Sep 22 09:50	0°♎	
max. Earth dist.	5859 Sep 30 01:17	9°♎25'25	1.73288 AU
superior conj	5859 Oct 01 17:35	11°♎29'42	1°24'02
minimum elong	5859 Oct 01 14:12	11°♎19'16	1°24'01
	5859 Oct 16 17:25	0°♏	
evening rise	5859 Nov 07 09:20	26°♏46'16	
	5859 Nov 10 00:01	0°♐	
desc. node	5859 Dec 03 04:03	28°♐38'47	
	5859 Dec 04 06:19	0°♑	
	5859 Dec 28 12:35	0°♒	
	5860 Jan 21 19:16	0°♓	
	5860 Feb 15 04:18	0°♈	
	5860 Mar 10 20:32	0°♉	
asc. node	5860 Mar 25 04:52	17°♉06'35	
	5860 Apr 05 05:36	0°♊	
	5860 May 02 05:10	0°♋	
evening max el	5860 May 11 18:20	9°♋48'14	46°25'29
	5860 Jun 03 12:05	0°♌	
greatest brilliancy	5860 Jun 19 14:57	9°♌25'32	-4.8m
retrograde	5860 Jun 30 15:19	11°♌40'00	
desc. node	5860 Jul 14 20:53	7°♌41'21	
evening set	5860 Jul 15 15:27	7°♌16'24	
min. Earth dist.	5860 Jul 21 13:55	3°♌43'45	0.28516 AU
inferior conj	5860 Jul 22 00:40	3°♌26'57	-1°43'40
minimum elong	5860 Jul 21 20:51	3°♌32'55	1°42'33
	5860 Jul 27 17:52	30°℞♋	
morning rise	5860 Jul 28 02:39	29°♋47'48	
direct	5860 Aug 12 08:00	25°♋19'16	
greatest brilliancy	5860 Aug 22 07:05	27°♋06'05	-4.7m
	5860 Aug 28 23:19	0°♌	
morning max el	5860 Sep 29 23:52	24°♌55'37	45°42'01
	5860 Oct 05 05:04	0°♍	
	5860 Nov 02 12:54	0°♎	
asc. node	5860 Nov 04 22:00	2°♎39'36	
	5860 Nov 28 16:00	0°♏	
	5860 Dec 23 17:45	0°♐	
	5861 Jan 17 05:38	0°♑	
	5861 Feb 10 09:50	0°♒	
desc. node	5861 Feb 24 13:32	17°♒40'23	
	5861 Mar 06 09:48	0°♓	
	5861 Mar 30 07:41	0°♈	
morning set	5861 Apr 01 14:58	2°♈53'32	
	5861 Apr 23 05:25	0°♉	
superior conj	5861 May 11 21:25	23°♉22'08	-1°14'16
minimum elong	5861 May 12 07:33	23°♉53'47	1°14'02
max. Earth dist.	5861 May 15 12:32	27°♉54'12	1.71868 AU
	5861 May 17 04:51	0°♊	
	5861 Jun 10 07:25	0°♋	
asc. node	5861 Jun 17 14:36	9°♋02'44	
evening rise	5861 Jun 20 05:40	12°♋17'50	
	5861 Jul 04 13:48	0°♌	

	5861 Jul 29 00:20	0°♍	
	5861 Aug 22 15:57	0°♎	
	5861 Sep 16 14:46	0°♏	
desc. node	5861 Oct 07 06:13	24°♏26'09	
	5861 Oct 12 00:17	0°♐	
	5861 Nov 07 02:29	0°♑	
	5861 Dec 04 12:56	0°♒	
evening max el	5861 Dec 15 19:18	11°♒29'35	46°39'33
	5862 Jan 05 07:48	0°♓	
greatest brilliancy	5862 Jan 25 00:44	11°♓51'18	-4.9m
asc. node	5862 Jan 28 07:25	12°♓51'54	
retrograde	5862 Feb 04 00:06	13°♓44'11	
evening set	5862 Feb 19 06:53	9°♓07'03	
min. Earth dist.	5862 Feb 24 03:54	6°♓14'11	0.26777 AU
inferior conj	5862 Feb 24 13:50	5°♓59'02	6°24'58
minimum elong	5862 Feb 24 02:49	6°♓15'51	6°22'25
morning rise	5862 Feb 28 22:52	3°♓22'04	
	5862 Mar 07 22:13	30°℞♒	
direct	5862 Mar 17 02:13	28°♒16'05	
greatest brilliancy	5862 Mar 26 16:15	0°♓01'09	-4.9m
	5862 Mar 26 14:56	0°♓	
	5862 May 05 13:13	0°♈	
morning max el	5862 May 06 11:02	0°♈54'19	46°48'14
desc. node	5862 May 19 23:22	14°♈55'47	
	5862 Jun 02 17:37	0°♉	
	5862 Jun 28 23:36	0°♊	
	5862 Jul 24 12:06	0°♋	
	5862 Aug 18 15:42	0°♌	
asc. node	5862 Sep 10 00:08	26°♌56'42	
	5862 Sep 12 12:37	0°♍	
	5862 Oct 07 03:19	0°♎	
	5862 Oct 31 12:31	0°♏	
morning set	5862 Nov 02 13:16	2°♏30'34	
	5862 Nov 24 17:40	0°♐	
max. Earth dist.	5862 Dec 07 05:31	15°♐32'02	1.72242 AU
superior conj	5862 Dec 09 22:19	18°♐53'45	0°47'16
minimum elong	5862 Dec 10 07:38	19°♐22'46	0°46'54
	5862 Dec 18 20:11	0°♑	
desc. node	5862 Dec 30 15:54	14°♑44'57	
	5863 Jan 11 20:53	0°♒	
evening rise	5863 Jan 18 07:54	8°♒04'43	
	5863 Feb 04 20:16	0°♓	
	5863 Feb 28 19:23	0°♈	
	5863 Mar 24 20:33	0°♉	
	5863 Apr 18 03:17	0°♊	
asc. node	5863 Apr 22 16:52	5°♊35'34	
	5863 May 12 20:18	0°♋	
	5863 Jun 07 06:48	0°♌	
	5863 Jul 04 02:41	0°♍	
evening max el	5863 Jul 22 11:20	18°♍48'46	45°39'30
	5863 Aug 03 16:47	0°♎	
desc. node	5863 Aug 12 08:43	6°♎56'30	
greatest brilliancy	5863 Aug 29 20:35	16°♎55'24	-4.7m
retrograde	5863 Sep 09 07:12	18°♎52'47	
evening set	5863 Sep 27 02:25	12°♎55'14	
inferior conj	5863 Sep 30 19:06	10°♎37'58	-8°25'06
minimum elong	5863 Sep 30 15:01	10°♎44'23	8°24'51
min. Earth dist.	5863 Sep 30 20:52	10°♎35'12	0.29134 AU
morning rise	5863 Oct 04 03:37	8°♎33'04	
direct	5863 Oct 22 10:06	2°♎19'23	
greatest brilliancy	5863 Nov 01 23:10	4°♎21'08	-4.8m
asc. node	5863 Dec 03 09:51	26°♎16'53	
	5863 Dec 07 08:37	0°♏	
morning max el	5863 Dec 10 23:39	3°♏31'48	46°10'28
	5864 Jan 04 22:46	0°♐	
	5864 Jan 30 22:13	0°♑	
	5864 Feb 24 20:56	0°♒	
	5864 Mar 20 07:51	0°♓	
desc. node	5864 Mar 24 01:27	4°♓36'39	
	5864 Apr 13 12:59	0°♈	
	5864 May 07 15:59	0°♉	
	5864 May 31 19:17	0°♊	
morning set	5864 Jun 14 14:16	17°♊06'12	
	5864 Jun 25 00:18	0°♋	
asc. node	5864 Jul 15 02:21	24°♋49'01	
	5864 Jul 19 07:11	0°♌	
superior conj	5864 Jul 22 11:33	3°♌55'28	0°17'40
minimum elong	5864 Jul 22 07:46	3°♌43'47	0°17'26
max. Earth dist.	5864 Jul 24 03:49	5°♌59'35	1.73178 AU
	5864 Aug 12 15:29	0°♍	
evening rise	5864 Aug 28 02:07	18°♍59'53	
	5864 Sep 06 00:57	0°♎	
	5864 Sep 30 12:08	0°♏	
	5864 Oct 25 02:01	0°♐	
desc. node	5864 Nov 03 18:11	11°♐45'45	
	5864 Nov 18 19:28	0°♑	
	5864 Dec 13 17:31	0°♒	
	5865 Jan 07 23:22	0°♓	
	5865 Feb 02 23:30	0°♈	
asc. node	5865 Feb 24 19:10	23°♈35'09	
evening max el	5865 Feb 26 15:46	25°♈28'58	47°06'46
	5865 Mar 03 04:20	0°♉	
greatest brilliancy	5865 Apr 08 04:38	26°♉45'39	-4.9m
retrograde	5865 Apr 18 07:43	28°♉41'49	
evening set	5865 May 05 16:24	22°♉51'55	
inferior conj	5865 May 09 04:41	20°♉42'15	7°54'40
minimum elong	5865 May 09 13:54	20°♉27'53	7°53'14
min. Earth dist.	5865 May 09 01:27	20°♉47'17	0.27530 AU
morning rise	5865 May 13 11:39	18°♉05'38	
direct	5865 May 30 00:17	12°♉49'53	
greatest brilliancy	5865 Jun 08 13:31	14°♉31'41	-4.8m
desc. node	5865 Jun 16 11:00	18°♉06'17	
	5865 Jul 03 05:42	0°♊	
morning max el	5865 Jul 18 09:03	13°♊44'29	46°02'58
	5865 Aug 03 10:05	0°♋	
	5865 Aug 30 20:16	0°♌	
	5865 Sep 25 22:08	0°♍	
asc. node	5865 Oct 07 12:07	13°♍38'19	
	5865 Oct 21 05:16	0°♎	
	5865 Nov 14 23:22	0°♏	
	5865 Dec 09 08:27	0°♐	
	5866 Jan 02 11:45	0°♑	
morning set	5866 Jan 12 16:40	12°♑44'45	
	5866 Jan 26 11:26	0°♒	
desc. node	5866 Jan 27 03:36	0°♒50'40	
	5866 Feb 19 08:52	0°♓	
max. Earth dist.	5866 Feb 21 04:52	2°♓18'19	1.71194 AU
superior conj	5866 Feb 22 09:00	3°♓46'44	-0°58'09
minimum elong	5866 Feb 21 21:11	3°♓09'36	0°57'42
	5866 Mar 15 05:18	0°♈	
evening rise	5866 Apr 04 04:32	25°♈05'31	
	5866 Apr 08 02:25	0°♉	
	5866 May 02 02:21	0°♊	
asc. node	5866 May 20 04:46	22°♊27'49	
	5866 May 26 07:18	0°♋	
	5866 Jun 19 19:23	0°♌	
	5866 Jul 14 17:26	0°♍	
	5866 Aug 09 06:53	0°♎	
	5866 Sep 04 23:55	0°♏	
desc. node	5866 Sep 08 20:25	4°♏09'46	
evening max el	5866 Oct 01 17:28	27°♏30'33	45°45'20

	5866 Oct 04 08:40	0°♐	
greatest brilliancy	5866 Nov 10 08:01	25°♐51'15	-4.8m
retrograde	5866 Nov 19 13:19	27°♐24'48	
evening set	5866 Dec 05 09:08	22°♐38'17	
inferior conj	5866 Dec 10 13:24	19°♐33'08	-4°50'07
minimum elong	5866 Dec 10 22:47	19°♐18'40	4°47'39
min. Earth dist.	5866 Dec 11 11:49	18°♐58'35	0.27694 AU
morning rise	5866 Dec 16 11:37	16°♐01'04	
asc. node	5866 Dec 30 21:31	11°♐31'26	
direct	5866 Dec 31 14:12	11°♐30'51	
greatest brilliancy	5867 Jan 11 18:56	13°♐50'36	-4.9m
	5867 Feb 04 20:46	0°♑	
morning max el	5867 Feb 20 03:05	14°♑28'24	46°53'05
	5867 Mar 06 20:11	0°♒	
	5867 Apr 02 06:48	0°♓	
desc. node	5867 Apr 21 13:32	22°♓48'13	
	5867 Apr 27 13:36	0°♈	
	5867 May 22 08:39	0°♉	
	5867 Jun 15 22:57	0°♊	
	5867 Jul 10 11:48	0°♋	
	5867 Aug 04 00:02	0°♌	
asc. node	5867 Aug 12 14:14	10°♌31'35	
morning set	5867 Aug 23 21:52	24°♌24'35	
	5867 Aug 28 11:07	0°♍	
	5867 Sep 21 20:26	0°♎	
max. Earth dist.	5867 Sep 27 22:20	7°♎29'38	1.73312 AU
superior conj	5867 Sep 29 11:38	9°♎24'41	1°23'23
minimum elong	5867 Sep 29 07:38	9°♎12'19	1°23'20
	5867 Oct 16 04:04	0°♏	
evening rise	5867 Nov 05 01:50	24°♏35'40	
	5867 Nov 09 10:49	0°♐	
desc. node	5867 Dec 02 06:02	28°♐10'49	
	5867 Dec 03 17:22	0°♑	
	5867 Dec 27 23:58	0°♒	
	5868 Jan 21 07:03	0°♓	
	5868 Feb 14 16:37	0°♈	
	5868 Mar 10 09:45	0°♉	
asc. node	5868 Mar 24 06:59	16°♉31'23	
	5868 Apr 04 20:33	0°♊	
	5868 May 02 00:25	0°♋	
evening max el	5868 May 09 09:26	7°♋31'53	46°27'32
	5868 Jun 04 05:59	0°♌	
greatest brilliancy	5868 Jun 17 06:46	7°♌12'25	-4.8m
retrograde	5868 Jun 28 07:49	9°♌27'39	
evening set	5868 Jul 13 07:11	5°♌03'55	
desc. node	5868 Jul 13 22:50	4°♌42'13	
min. Earth dist.	5868 Jul 19 05:44	1°♌31'20	0.28477 AU
inferior conj	5868 Jul 19 16:21	1°♌14'46	-1°23'14
minimum elong	5868 Jul 19 13:16	1°♌19'35	1°22'20
	5868 Jul 21 16:28	30°℞♋	
morning rise	5868 Jul 25 19:48	27°♋34'03	
direct	5868 Aug 09 23:22	23°♋07'29	
greatest brilliancy	5868 Aug 19 22:16	24°♋54'40	-4.7m
	5868 Aug 30 11:57	0°♌	
morning max el	5868 Sep 27 16:03	22°♌46'23	45°41'55
	5868 Oct 05 01:14	0°♍	
	5868 Nov 02 03:49	0°♎	
asc. node	5868 Nov 04 00:06	2°♎04'13	
	5868 Nov 28 04:58	0°♏	
	5868 Dec 23 05:50	0°♐	
	5869 Jan 16 17:17	0°♑	
	5869 Feb 09 21:15	0°♒	
desc. node	5869 Feb 23 15:35	17°♒11'30	
	5869 Mar 05 21:02	0°♓	
	5869 Mar 29 18:47	0°♈	
morning set	5869 Mar 30 01:13	0°♈20'13	
	5869 Apr 22 16:24	0°♉	
superior conj	5869 May 09 09:45	20°♉56'26	-1°16'12
minimum elong	5869 May 09 19:28	21°♉26'47	1°15'59
max. Earth dist.	5869 May 13 00:38	25°♉27'57	1.71820 AU
	5869 May 16 15:47	0°♊	
	5869 Jun 09 18:21	0°♋	
asc. node	5869 Jun 16 16:31	8°♋34'52	
evening rise	5869 Jun 17 20:26	10°♋01'14	
	5869 Jul 04 00:47	0°♌	
	5869 Jul 28 11:28	0°♍	
	5869 Aug 22 03:24	0°♎	
	5869 Sep 16 02:50	0°♏	
desc. node	5869 Oct 06 08:20	23°♏54'29	
	5869 Oct 11 13:27	0°♐	
	5869 Nov 06 17:45	0°♑	
	5869 Dec 04 08:58	0°♒	
evening max el	5869 Dec 13 09:56	9°♒09'30	46°37'32
	5870 Jan 06 01:20	0°♓	
greatest brilliancy	5870 Jan 22 12:57	9°♓22'55	-4.9m
asc. node	5870 Jan 27 09:25	10°♓44'36	
retrograde	5870 Feb 01 12:55	11°♓15'41	
evening set	5870 Feb 16 15:56	6°♓43'44	
min. Earth dist.	5870 Feb 21 16:38	3°♓45'28	0.26765 AU
inferior conj	5870 Feb 22 02:10	3°♓30'53	6°07'04
minimum elong	5870 Feb 21 15:17	3°♓47'32	6°04'26
morning rise	5870 Feb 26 14:46	0°♓48'53	
	5870 Feb 28 02:08	30°℞♒	
direct	5870 Mar 14 15:20	25°♒48'12	
greatest brilliancy	5870 Mar 24 05:10	27°♒33'19	-4.9m
	5870 Mar 29 20:21	0°♓	
morning max el	5870 May 04 00:23	28°♓29'44	46°49'23
	5870 May 05 12:18	0°♈	
desc. node	5870 May 19 01:19	14°♈10'09	
	5870 Jun 02 10:04	0°♉	
	5870 Jun 28 13:31	0°♊	
	5870 Jul 24 00:42	0°♋	
	5870 Aug 18 03:31	0°♌	
asc. node	5870 Sep 09 02:12	26°♌28'33	
	5870 Sep 11 23:57	0°♍	
	5870 Oct 06 14:20	0°♎	
	5870 Oct 30 23:24	0°♏	
morning set	5870 Oct 31 06:19	0°♏21'23	
	5870 Nov 24 04:32	0°♐	
max. Earth dist.	5870 Dec 04 19:15	13°♐11'37	1.72286 AU
superior conj	5870 Dec 07 13:20	16°♐37'09	0°50'09
minimum elong	5870 Dec 07 22:54	17°♐06'56	0°49'48
	5870 Dec 18 07:08	0°♑	
desc. node	5870 Dec 29 17:49	14°♑16'40	
	5871 Jan 11 07:58	0°♒	
evening rise	5871 Jan 15 20:34	5°♒39'27	
	5871 Feb 04 07:31	0°♓	
	5871 Feb 28 06:50	0°♈	
	5871 Mar 24 08:17	0°♉	
	5871 Apr 17 15:25	0°♊	
asc. node	5871 Apr 21 18:52	5°♊04'21	
	5871 May 12 09:06	0°♋	
	5871 Jun 06 20:58	0°♌	
	5871 Jul 03 20:07	0°♍	
evening max el	5871 Jul 20 02:48	16°♍36'12	45°40'21
	5871 Aug 03 22:55	0°♎	
desc. node	5871 Aug 11 10:44	5°♎48'12	
greatest brilliancy	5871 Aug 27 12:11	14°♎45'29	-4.7m
retrograde	5871 Sep 06 22:54	16°♎43'04	
evening set	5871 Sep 24 16:18	10°♎49'13	
inferior conj	5871 Sep 28 11:26	8°♎28'05	-8°20'39

minimum elong	5871 Sep 28 06:40	8°♎35'35	8°20'18
min. Earth dist.	5871 Sep 28 12:15	8°♎26'48	0.29142 AU
morning rise	5871 Oct 01 21:01	6°♎21'19	
direct	5871 Oct 20 02:24	0°♎09'40	
greatest brilliancy	5871 Oct 30 14:30	2°♎09'59	-4.8m
asc. node	5871 Dec 02 11:42	25°♎22'58	
	5871 Dec 07 07:32	0°♏	
morning max el	5871 Dec 08 13:48	1°♏14'15	46°08'57
	5872 Jan 04 14:47	0°♐	
	5872 Jan 30 11:57	0°♑	
	5872 Feb 24 09:35	0°♒	
	5872 Mar 19 19:54	0°♓	
desc. node	5872 Mar 23 03:33	4°♓06'03	
	5872 Apr 13 00:41	0°♈	
	5872 May 07 03:24	0°♉	
	5872 May 31 06:30	0°♊	
morning set	5872 Jun 12 05:16	14°♊49'37	
	5872 Jun 24 11:19	0°♋	
asc. node	5872 Jul 14 04:21	24°♋21'31	
	5872 Jul 18 18:05	0°♌	
superior conj	5872 Jul 20 04:04	1°♌44'49	0°14'21
minimum elong	5872 Jul 20 00:57	1°♌35'13	0°14'11
behind sun begin	5872 Jul 19 14:16	1°♌02'15	
behind sun end	5872 Jul 20 11:39	2°♌08'10	
max. Earth dist.	5872 Jul 21 23:22	3°♌58'18	1.73144 AU
	5872 Aug 12 02:21	0°♍	
evening rise	5872 Aug 25 20:10	16°♍54'16	
	5872 Sep 05 11:55	0°♎	
	5872 Sep 29 23:20	0°♏	
	5872 Oct 24 13:35	0°♐	
desc. node	5872 Nov 02 20:09	11°♐16'01	
	5872 Nov 18 07:34	0°♑	
	5872 Dec 13 06:27	0°♒	
	5873 Jan 07 13:41	0°♓	
	5873 Feb 02 16:35	0°♈	
asc. node	5873 Feb 23 21:13	22°♈43'40	
evening max el	5873 Feb 24 04:29	23°♈02'07	47°06'50
	5873 Mar 03 05:27	0°♉	
greatest brilliancy	5873 Apr 05 19:53	24°♉23'51	-4.9m
retrograde	5873 Apr 15 21:13	26°♉18'54	
evening set	5873 May 03 09:24	20°♉24'41	
inferior conj	5873 May 06 18:29	18°♉19'57	8°05'43
minimum elong	5873 May 07 03:14	18°♉06'20	8°04'27
min. Earth dist.	5873 May 06 15:24	18°♉24'46	0.27506 AU
morning rise	5873 May 10 21:14	15°♉49'23	
direct	5873 May 27 13:06	10°♉27'51	
greatest brilliancy	5873 Jun 06 03:07	12°♉09'59	-4.8m
desc. node	5873 Jun 15 12:56	16°♉36'33	
	5873 Jul 03 13:26	0°♊	
morning max el	5873 Jul 15 22:25	11°♊24'02	46°04'31
	5873 Aug 03 04:16	0°♋	
	5873 Aug 30 10:43	0°♌	
	5873 Sep 25 10:54	0°♍	
asc. node	5873 Oct 06 14:08	13°♍07'48	
	5873 Oct 20 17:10	0°♎	
	5873 Nov 14 10:48	0°♏	
	5873 Dec 08 19:39	0°♐	
	5874 Jan 01 22:50	0°♑	
morning set	5874 Jan 10 05:35	10°♑20'26	
	5874 Jan 25 22:28	0°♒	
desc. node	5874 Jan 26 05:42	0°♒22'40	
max. Earth dist.	5874 Feb 18 11:44	29°♒34'20	1.71210 AU
	5874 Feb 18 19:54	0°♓	
superior conj	5874 Feb 19 19:57	1°♓15'34	-0°55'08
minimum elong	5874 Feb 19 08:19	0°♓39'02	0°54'40
	5874 Mar 14 16:22	0°♈	
evening rise	5874 Apr 01 15:21	22°♈34'06	
	5874 Apr 07 13:31	0°♉	
	5874 May 01 13:33	0°♊	
asc. node	5874 May 19 06:39	21°♊58'40	
	5874 May 25 18:41	0°♋	
	5874 Jun 19 07:08	0°♌	
	5874 Jul 14 05:49	0°♍	
	5874 Aug 08 20:31	0°♎	
	5874 Sep 04 16:20	0°♏	
desc. node	5874 Sep 07 22:30	3°♏29'52	
evening max el	5874 Sep 29 07:18	25°♏13'54	45°44'16
	5874 Oct 04 09:35	0°♐	
greatest brilliancy	5874 Nov 07 21:14	23°♐32'52	-4.8m
retrograde	5874 Nov 17 03:27	25°♐07'08	
evening set	5874 Dec 03 02:02	20°♐15'43	
inferior conj	5874 Dec 08 03:38	17°♐14'18	-5°08'09
minimum elong	5874 Dec 08 13:19	16°♐59'21	5°05'41
min. Earth dist.	5874 Dec 09 02:18	16°♐39'21	0.27763 AU
morning rise	5874 Dec 13 23:52	13°♐45'09	
direct	5874 Dec 29 05:12	9°♐10'52	
asc. node	5874 Dec 29 23:35	9°♐11'34	
greatest brilliancy	5875 Jan 09 10:28	11°♐31'32	-4.9m
	5875 Feb 05 02:54	0°♑	
morning max el	5875 Feb 17 18:38	12°♑09'41	46°52'17
	5875 Mar 06 14:17	0°♒	
	5875 Apr 01 21:30	0°♓	
desc. node	5875 Apr 20 15:28	22°♓13'52	
	5875 Apr 27 02:44	0°♈	
	5875 May 21 20:52	0°♉	
	5875 Jun 15 10:35	0°♊	
	5875 Jul 09 23:03	0°♋	
	5875 Aug 03 11:01	0°♌	
asc. node	5875 Aug 11 16:19	10°♌04'35	
morning set	5875 Aug 21 15:13	22°♌17'12	
	5875 Aug 27 21:56	0°♍	
	5875 Sep 21 07:10	0°♎	
max. Earth dist.	5875 Sep 25 20:03	5°♎35'33	1.73330 AU
superior conj	5875 Sep 27 05:29	7°♎18'37	1°22'36
minimum elong	5875 Sep 27 00:51	7°♎04'20	1°22'33
	5875 Oct 15 14:50	0°♏	
evening rise	5875 Nov 02 18:17	22°♏24'42	
	5875 Nov 08 21:43	0°♐	
desc. node	5875 Dec 01 07:56	27°♐42'22	
	5875 Dec 03 04:30	0°♑	
	5875 Dec 27 11:26	0°♒	
	5876 Jan 20 18:56	0°♓	
	5876 Feb 14 05:04	0°♈	
	5876 Mar 09 23:05	0°♉	
asc. node	5876 Mar 23 09:00	15°♉55'38	
	5876 Apr 04 11:41	0°♊	
	5876 May 01 20:09	0°♋	
evening max el	5876 May 07 01:20	5°♋17'43	46°29'33
	5876 Jun 05 06:11	0°♌	
greatest brilliancy	5876 Jun 14 22:34	4°♌59'35	-4.8m
retrograde	5876 Jun 26 00:27	7°♌15'20	
evening set	5876 Jul 10 23:11	2°♌51'32	
desc. node	5876 Jul 13 00:53	1°♌40'39	
	5876 Jul 15 19:11	30°℞♋	
inferior conj	5876 Jul 17 08:03	29°♋02'37	-1°02'38
minimum elong	5876 Jul 17 05:43	29°♋06'16	1°01'58
min. Earth dist.	5876 Jul 16 21:21	29°♋19'17	0.28440 AU
morning rise	5876 Jul 23 12:50	25°♋20'31	
direct	5876 Aug 07 15:14	20°♋55'57	
greatest brilliancy	5876 Aug 17 13:00	22°♋42'43	-4.7m
	5876 Aug 31 13:41	0°♌	

morning max el	5876 Sep 25 08:22	20°♌37'26	45°41'45
	5876 Oct 04 20:48	0°♍	
	5876 Nov 01 18:32	0°♎	
asc. node	5876 Nov 03 01:59	1°♎28'31	
	5876 Nov 27 17:49	0°♏	
	5876 Dec 22 17:48	0°♐	
	5877 Jan 16 04:48	0°♑	
	5877 Feb 09 08:31	0°♒	
desc. node	5877 Feb 22 17:35	16°♒42'50	
	5877 Mar 05 08:10	0°♓	
morning set	5877 Mar 27 11:33	27°♓47'26	
	5877 Mar 29 05:47	0°♈	
	5877 Apr 22 03:18	0°♉	
superior conj	5877 May 06 22:10	18°♉31'13	-1°17'59
minimum elong	5877 May 07 07:22	19°♉00'00	1°17'48
max. Earth dist.	5877 May 10 14:11	23°♉06'24	1.71770 AU
	5877 May 16 02:36	0°♊	
	5877 Jun 09 05:08	0°♋	
evening rise	5877 Jun 15 11:14	7°♋45'08	
asc. node	5877 Jun 15 18:33	8°♋07'49	
	5877 Jul 03 11:36	0°♌	
	5877 Jul 27 22:27	0°♍	
	5877 Aug 21 14:45	0°♎	
	5877 Sep 15 14:51	0°♏	
desc. node	5877 Oct 05 10:13	23°♏22'18	
	5877 Oct 11 02:38	0°♐	
	5877 Nov 06 09:06	0°♑	
	5877 Dec 04 05:28	0°♒	
evening max el	5877 Dec 11 00:17	6°♒49'18	46°35'35
	5878 Jan 07 00:31	0°♓	
greatest brilliancy	5878 Jan 20 01:52	6°♓56'16	-4.9m
asc. node	5878 Jan 26 11:29	8°♓32'59	
retrograde	5878 Jan 30 01:22	8°♓48'06	
evening set	5878 Feb 14 01:21	4°♓21'11	
min. Earth dist.	5878 Feb 19 05:49	1°♓17'21	0.26756 AU
inferior conj	5878 Feb 19 14:39	1°♓03'49	5°48'26
minimum elong	5878 Feb 19 03:57	1°♓20'13	5°45'46
	5878 Feb 21 08:29	30°℞♒	
morning rise	5878 Feb 24 06:41	28°♒16'45	
direct	5878 Mar 12 04:06	23°♒21'21	
greatest brilliancy	5878 Mar 21 18:38	25°♒06'49	-4.9m
	5878 Mar 31 17:12	0°♓	
morning max el	5878 May 01 12:57	26°♓03'38	46°50'27
	5878 May 05 10:15	0°♈	
desc. node	5878 May 18 03:14	13°♈25'40	
	5878 Jun 02 02:01	0°♉	
	5878 Jun 28 03:05	0°♊	
	5878 Jul 23 13:00	0°♋	
	5878 Aug 17 15:01	0°♌	
asc. node	5878 Sep 08 04:10	26°♌01'00	
	5878 Sep 11 10:58	0°♍	
	5878 Oct 06 01:05	0°♎	
morning set	5878 Oct 28 23:14	28°♎12'31	
	5878 Oct 30 10:03	0°♏	
	5878 Nov 23 15:12	0°♐	
max. Earth dist.	5878 Dec 02 08:08	10°♐49'13	1.72332 AU
superior conj	5878 Dec 05 04:18	14°♐21'11	0°52'58
minimum elong	5878 Dec 05 14:03	14°♐51'30	0°52'36
	5878 Dec 17 17:52	0°♑	
desc. node	5878 Dec 28 19:55	13°♑49'34	
	5879 Jan 10 18:48	0°♒	
evening rise	5879 Jan 13 09:09	3°♒14'48	
	5879 Feb 03 18:29	0°♓	
	5879 Feb 27 18:01	0°♈	
	5879 Mar 23 19:44	0°♉	
	5879 Apr 17 03:18	0°♊	
asc. node	5879 Apr 20 20:46	4°♊33'36	
	5879 May 11 21:42	0°♋	
	5879 Jun 06 10:59	0°♌	
	5879 Jul 03 13:35	0°♍	
evening max el	5879 Jul 17 17:33	14°♍22'49	45°41'20
	5879 Aug 04 06:55	0°♎	
desc. node	5879 Aug 10 12:48	4°♎39'15	
greatest brilliancy	5879 Aug 25 03:46	12°♎36'37	-4.7m
retrograde	5879 Sep 04 14:33	14°♎34'45	
evening set	5879 Sep 22 05:58	8°♎44'41	
inferior conj	5879 Sep 26 03:48	6°♎19'31	-8°15'22
minimum elong	5879 Sep 25 22:23	6°♎28'04	8°14'55
min. Earth dist.	5879 Sep 26 03:52	6°♎19'26	0.29150 AU
morning rise	5879 Sep 29 14:44	4°♎10'34	
	5879 Oct 07 17:44	30°℞♍	
direct	5879 Oct 17 18:18	28°♍01'06	
	5879 Oct 28 05:35	0°♎	
greatest brilliancy	5879 Oct 28 06:24	0°♎00'44	-4.8m
asc. node	5879 Dec 01 13:47	24°♎31'36	
morning max el	5879 Dec 06 03:55	28°♎57'34	46°07'23
	5879 Dec 07 05:11	0°♏	
	5880 Jan 04 06:18	0°♐	
	5880 Jan 30 01:19	0°♑	
	5880 Feb 23 21:54	0°♒	
	5880 Mar 19 07:36	0°♓	
desc. node	5880 Mar 22 05:30	3°♓36'05	
	5880 Apr 12 12:00	0°♈	
	5880 May 06 14:27	0°♉	
	5880 May 30 17:21	0°♊	
morning set	5880 Jun 09 20:01	12°♊33'12	
	5880 Jun 23 22:00	0°♋	
asc. node	5880 Jul 13 06:26	23°♋55'19	
superior conj	5880 Jul 17 20:30	29°♋34'54	0°11'02
minimum elong	5880 Jul 17 18:06	29°♋27'27	0°10'53
behind sun begin	5880 Jul 17 00:52	28°♋34'20	
behind sun end	5880 Jul 18 11:19	0°♌20'35	
	5880 Jul 18 04:39	0°♌	
max. Earth dist.	5880 Jul 19 16:34	1°♌50'47	1.73109 AU
	5880 Aug 11 12:53	0°♍	
evening rise	5880 Aug 23 14:15	14°♍49'49	
	5880 Sep 04 22:33	0°♎	
	5880 Sep 29 10:10	0°♏	
	5880 Oct 24 00:48	0°♐	
desc. node	5880 Nov 01 22:08	10°♐47'25	
	5880 Nov 17 19:23	0°♑	
	5880 Dec 12 19:10	0°♒	
	5881 Jan 07 03:55	0°♓	
	5881 Feb 02 09:46	0°♈	
evening max el	5881 Feb 21 17:03	20°♈35'37	47°07'03
asc. node	5881 Feb 22 23:13	21°♈51'51	
	5881 Mar 03 07:38	0°♉	
greatest brilliancy	5881 Apr 03 10:38	22°♉02'03	-4.9m
retrograde	5881 Apr 13 10:58	23°♉56'44	
evening set	5881 May 01 02:09	17°♉58'06	
inferior conj	5881 May 04 08:11	15°♉58'12	8°15'50
minimum elong	5881 May 04 16:22	15°♉45'29	8°14'46
min. Earth dist.	5881 May 04 04:59	16°♉03'11	0.27480 AU
morning rise	5881 May 08 06:43	13°♉33'57	
direct	5881 May 25 01:50	8°♉06'16	
greatest brilliancy	5881 Jun 03 16:25	9°♉48'54	-4.8m
desc. node	5881 Jun 14 15:05	15°♉11'09	
	5881 Jul 03 18:28	0°♊	
morning max el	5881 Jul 13 12:30	9°♊06'17	46°06'04
	5881 Aug 02 21:38	0°♋	
	5881 Aug 30 00:37	0°♌	

	5881 Sep 24 23:14	0°♍	
asc. node	5881 Oct 05 16:03	12°♍38'11	
	5881 Oct 20 04:39	0°♎	
	5881 Nov 13 21:51	0°♏	
	5881 Dec 08 06:28	0°♐	
	5882 Jan 01 09:34	0°♑	
morning set	5882 Jan 07 18:35	7°♑57'32	
desc. node	5882 Jan 25 07:43	29°♑55'19	
	5882 Jan 25 09:13	0°♒	
max. Earth dist.	5882 Feb 15 20:31	26°♒57'10	1.71231 AU
superior conj	5882 Feb 17 06:32	28°♒44'04	-0°51'59
minimum elong	5882 Feb 16 19:14	28°♒08'32	0°51'31
	5882 Feb 18 06:41	0°♓	
	5882 Mar 14 03:11	0°♈	
evening rise	5882 Mar 30 01:44	20°♈02'03	
	5882 Apr 07 00:22	0°♉	
	5882 May 01 00:28	0°♊	
asc. node	5882 May 18 08:43	21°♊30'54	
	5882 May 25 05:48	0°♋	
	5882 Jun 18 18:36	0°♌	
	5882 Jul 13 17:59	0°♍	
	5882 Aug 08 09:59	0°♎	
	5882 Sep 04 08:42	0°♏	
desc. node	5882 Sep 07 00:27	2°♏50'03	
evening max el	5882 Sep 26 22:10	23°♏00'50	45°43'17
	5882 Oct 04 11:24	0°♐	
greatest brilliancy	5882 Nov 05 10:14	21°♐15'49	-4.8m
retrograde	5882 Nov 14 17:53	22°♐50'49	
evening set	5882 Nov 30 19:06	17°♐54'43	
inferior conj	5882 Dec 05 17:56	14°♐56'55	-5°25'26
minimum elong	5882 Dec 06 03:53	14°♐41'34	5°22'59
min. Earth dist.	5882 Dec 06 16:32	14°♐22'05	0.27830 AU
morning rise	5882 Dec 11 12:00	11°♐30'53	
direct	5882 Dec 26 20:39	6°♐52'37	
asc. node	5882 Dec 29 01:36	6°♐58'27	
greatest brilliancy	5883 Jan 07 01:20	9°♐13'08	-4.9m
	5883 Feb 05 06:37	0°♑	
morning max el	5883 Feb 15 10:22	9°♑52'33	46°51'10
	5883 Mar 06 07:41	0°♒	
	5883 Apr 01 11:50	0°♓	
desc. node	5883 Apr 19 17:25	21°♓40'15	
	5883 Apr 26 15:36	0°♈	
	5883 May 21 08:52	0°♉	
	5883 Jun 14 22:00	0°♊	
	5883 Jul 09 10:03	0°♋	
	5883 Aug 02 21:45	0°♌	
asc. node	5883 Aug 10 18:13	9°♌37'44	
morning set	5883 Aug 19 08:26	20°♌10'13	
	5883 Aug 27 08:31	0°♍	
	5883 Sep 20 17:41	0°♎	
max. Earth dist.	5883 Sep 23 17:22	3°♎40'51	1.73345 AU
superior conj	5883 Sep 24 23:21	5°♎13'14	1°21'42
minimum elong	5883 Sep 24 18:08	4°♎57'11	1°21'38
	5883 Oct 15 01:23	0°♏	
evening rise	5883 Oct 31 10:54	20°♏14'52	
	5883 Nov 08 08:24	0°♐	
desc. node	5883 Nov 30 10:04	27°♐15'16	
	5883 Dec 02 15:25	0°♑	
	5883 Dec 26 22:40	0°♒	
	5884 Jan 20 06:35	0°♓	
	5884 Feb 13 17:20	0°♈	
	5884 Mar 09 12:21	0°♉	
asc. node	5884 Mar 22 10:53	15°♉19'41	
	5884 Apr 04 02:55	0°♊	
	5884 May 01 16:30	0°♋	
evening max el	5884 May 04 17:31	3°♋04'11	46°31'30
	5884 Jun 06 16:26	0°♌	
greatest brilliancy	5884 Jun 12 14:56	2°♌47'12	-4.8m
retrograde	5884 Jun 23 16:49	5°♌02'26	
evening set	5884 Jul 08 15:14	0°♌38'42	
	5884 Jul 09 18:45	30°℞♋	
desc. node	5884 Jul 12 02:54	28°♋36'37	
inferior conj	5884 Jul 14 23:35	26°♋50'08	-0°41'51
minimum elong	5884 Jul 14 22:01	26°♋52'35	0°41'24
min. Earth dist.	5884 Jul 14 12:57	27°♋06'43	0.28399 AU
morning rise	5884 Jul 21 05:30	23°♋06'41	
direct	5884 Aug 05 06:56	18°♋44'18	
greatest brilliancy	5884 Aug 15 03:14	20°♋30'05	-4.7m
	5884 Sep 01 08:27	0°♌	
morning max el	5884 Sep 22 23:54	18°♌26'54	45°41'35
	5884 Oct 04 15:40	0°♍	
	5884 Nov 01 08:57	0°♎	
asc. node	5884 Nov 02 04:02	0°♎53'54	
	5884 Nov 27 06:28	0°♏	
	5884 Dec 22 05:36	0°♐	
	5885 Jan 15 16:10	0°♑	
	5885 Feb 08 19:39	0°♒	
desc. node	5885 Feb 21 19:32	16°♒14'30	
	5885 Mar 04 19:07	0°♓	
morning set	5885 Mar 24 22:02	25°♓15'30	
	5885 Mar 28 16:38	0°♈	
	5885 Apr 21 14:05	0°♉	
superior conj	5885 May 04 10:24	16°♉05'36	-1°19'37
minimum elong	5885 May 04 19:01	16°♉32'35	1°19'29
max. Earth dist.	5885 May 08 03:33	20°♉44'27	1.71725 AU
	5885 May 15 13:22	0°♊	
	5885 Jun 08 15:54	0°♋	
evening rise	5885 Jun 13 01:30	5°♋27'21	
asc. node	5885 Jun 14 20:36	7°♋40'48	
	5885 Jul 02 22:25	0°♌	
	5885 Jul 27 09:26	0°♍	
	5885 Aug 21 02:07	0°♎	
	5885 Sep 15 02:54	0°♏	
desc. node	5885 Oct 04 12:14	22°♏50'24	
	5885 Oct 10 15:55	0°♐	
	5885 Nov 06 00:44	0°♑	
	5885 Dec 04 02:42	0°♒	
evening max el	5885 Dec 08 13:56	4°♒27'25	46°33'36
	5886 Jan 08 08:33	0°♓	
greatest brilliancy	5886 Jan 17 15:29	4°♓30'42	-4.9m
asc. node	5886 Jan 25 13:25	6°♓16'16	
retrograde	5886 Jan 27 13:29	6°♓21'02	
evening set	5886 Feb 11 11:04	1°♓58'44	
	5886 Feb 14 21:08	30°℞♒	
inferior conj	5886 Feb 17 03:14	28°♒37'28	5°29'16
minimum elong	5886 Feb 16 16:47	28°♒53'30	5°26'33
min. Earth dist.	5886 Feb 16 19:32	28°♒49'17	0.26745 AU
morning rise	5886 Feb 21 22:33	25°♒45'25	
direct	5886 Mar 09 16:22	20°♒54'58	
greatest brilliancy	5886 Mar 19 08:46	22°♒41'31	-4.9m
	5886 Apr 01 23:33	0°♓	
morning max el	5886 Apr 29 00:55	23°♓36'14	46°51'31
	5886 May 05 07:16	0°♈	
desc. node	5886 May 17 05:24	12°♈42'43	
	5886 Jun 01 17:40	0°♉	
	5886 Jun 27 16:33	0°♊	
	5886 Jul 23 01:17	0°♋	
	5886 Aug 17 02:35	0°♌	
asc. node	5886 Sep 07 06:08	25°♌33'12	
	5886 Sep 10 22:03	0°♍	
	5886 Oct 05 11:54	0°♎	

morning set	5886 Oct 26 16:03	26°♎03'07	
	5886 Oct 29 20:46	0°♏	
	5886 Nov 23 01:57	0°♐	
max. Earth dist.	5886 Nov 29 22:34	8°♐31'26	1.72381 AU
superior conj	5886 Dec 02 19:23	12°♐05'19	0°55'40
minimum elong	5886 Dec 03 05:15	12°♐36'01	0°55'20
	5886 Dec 17 04:43	0°♑	
desc. node	5886 Dec 27 21:54	13°♑21'49	
	5887 Jan 10 05:46	0°♒	
evening rise	5887 Jan 10 21:58	0°♒50'36	
	5887 Feb 03 05:35	0°♓	
	5887 Feb 27 05:18	0°♈	
	5887 Mar 23 07:16	0°♉	
	5887 Apr 16 15:14	0°♊	
asc. node	5887 Apr 19 22:53	4°♊03'19	
	5887 May 11 10:23	0°♋	
	5887 Jun 06 01:12	0°♌	
	5887 Jul 03 07:35	0°♍	
evening max el	5887 Jul 15 08:11	12°♍08'38	45°42'18
	5887 Aug 04 18:11	0°♎	
desc. node	5887 Aug 09 14:44	3°♎27'36	
greatest brilliancy	5887 Aug 22 19:02	10°♎26'44	-4.7m
retrograde	5887 Sep 02 06:33	12°♎26'06	
evening set	5887 Sep 19 19:29	6°♎39'48	
inferior conj	5887 Sep 23 20:14	4°♎10'29	-8°09'21
minimum elong	5887 Sep 23 14:10	4°♎20'03	8°08'48
min. Earth dist.	5887 Sep 23 19:30	4°♎11'38	0.29158 AU
morning rise	5887 Sep 27 08:47	1°♎59'08	
	5887 Sep 30 19:44	30°℞♍	
direct	5887 Oct 15 10:07	25°♍51'56	
greatest brilliancy	5887 Oct 25 22:37	27°♍51'29	-4.7m
	5887 Oct 30 21:30	0°♎	
asc. node	5887 Nov 30 15:52	23°♎40'41	
morning max el	5887 Dec 03 18:49	26°♎42'28	46°05'53
	5887 Dec 07 02:15	0°♏	
	5888 Jan 03 21:44	0°♐	
	5888 Jan 29 14:45	0°♑	
	5888 Feb 23 10:20	0°♒	
	5888 Mar 18 19:29	0°♓	
desc. node	5888 Mar 21 07:28	3°♓05'36	
	5888 Apr 11 23:30	0°♈	
	5888 May 06 01:40	0°♉	
	5888 May 30 04:19	0°♊	
morning set	5888 Jun 07 11:02	10°♊17'00	
	5888 Jun 23 08:49	0°♋	
asc. node	5888 Jul 12 08:21	23°♋28'02	
superior conj	5888 Jul 15 13:08	27°♋25'01	0°07'43
minimum elong	5888 Jul 15 11:26	27°♋19'47	0°07'36
behind sun begin	5888 Jul 14 14:40	26°♋15'42	
behind sun end	5888 Jul 16 08:12	28°♋23'52	
max. Earth dist.	5888 Jul 17 09:51	29°♋42'59	1.73078 AU
	5888 Jul 17 15:23	0°♌	
	5888 Aug 10 23:38	0°♍	
evening rise	5888 Aug 21 08:30	12°♍45'16	
	5888 Sep 04 09:25	0°♎	
	5888 Sep 28 21:17	0°♏	
	5888 Oct 23 12:18	0°♐	
desc. node	5888 Nov 01 00:13	10°♐18'15	
	5888 Nov 17 07:30	0°♑	
	5888 Dec 12 08:15	0°♒	
	5889 Jan 06 18:35	0°♓	
	5889 Feb 02 03:39	0°♈	
evening max el	5889 Feb 19 06:37	18°♈10'52	47°07'10
asc. node	5889 Feb 22 01:11	20°♈58'06	
	5889 Mar 03 11:49	0°♉	
greatest brilliancy	5889 Apr 01 00:53	19°♉38'42	-4.9m
retrograde	5889 Apr 11 01:15	21°♉33'44	
evening set	5889 Apr 28 18:47	15°♉30'43	
inferior conj	5889 May 01 21:53	13°♉35'29	8°25'10
minimum elong	5889 May 02 05:27	13°♉23'45	8°24'16
min. Earth dist.	5889 May 01 18:15	13°♉41'07	0.27452 AU
morning rise	5889 May 05 16:14	11°♉17'42	
direct	5889 May 22 15:00	5°♉43'49	
greatest brilliancy	5889 Jun 01 05:11	7°♉26'32	-4.8m
desc. node	5889 Jun 13 17:01	13°♉47'41	
	5889 Jul 03 21:56	0°♊	
morning max el	5889 Jul 11 03:31	6°♊50'12	46°07'44
	5889 Aug 02 14:49	0°♋	
	5889 Aug 29 14:37	0°♌	
	5889 Sep 24 11:45	0°♍	
asc. node	5889 Oct 04 18:07	12°♍08'20	
	5889 Oct 19 16:25	0°♎	
	5889 Nov 13 09:11	0°♏	
	5889 Dec 07 17:37	0°♐	
	5889 Dec 31 20:37	0°♑	
morning set	5890 Jan 05 07:50	5°♑34'31	
desc. node	5890 Jan 24 09:38	29°♑26'41	
	5890 Jan 24 20:16	0°♒	
max. Earth dist.	5890 Feb 13 07:21	24°♒25'31	1.71253 AU
superior conj	5890 Feb 14 17:11	26°♒11'53	-0°48'44
minimum elong	5890 Feb 14 06:18	25°♒37'40	0°48'16
	5890 Feb 17 17:47	0°♓	
	5890 Mar 13 14:19	0°♈	
evening rise	5890 Mar 27 12:12	17°♈29'13	
	5890 Apr 06 11:34	0°♉	
	5890 Apr 30 11:46	0°♊	
asc. node	5890 May 17 10:45	21°♊01'54	
	5890 May 24 17:15	0°♋	
	5890 Jun 18 06:24	0°♌	
	5890 Jul 13 06:28	0°♍	
	5890 Aug 07 23:50	0°♎	
	5890 Sep 04 01:42	0°♏	
desc. node	5890 Sep 06 02:27	2°♏09'13	
evening max el	5890 Sep 24 13:47	20°♏48'47	45°42'09
	5890 Oct 04 15:10	0°♐	
greatest brilliancy	5890 Nov 02 23:32	18°♐58'26	-4.8m
retrograde	5890 Nov 12 08:07	20°♐33'39	
evening set	5890 Nov 28 12:21	15°♐33'09	
inferior conj	5890 Dec 03 08:22	12°♐38'53	-5°42'01
minimum elong	5890 Dec 03 18:28	12°♐23'15	5°39'38
min. Earth dist.	5890 Dec 04 06:48	12°♐04'13	0.27897 AU
morning rise	5890 Dec 09 00:02	9°♐16'01	
direct	5890 Dec 24 12:19	4°♐33'51	
asc. node	5890 Dec 28 03:31	4°♐49'32	
greatest brilliancy	5891 Jan 04 16:02	6°♐53'33	-4.8m
	5891 Feb 05 09:12	0°♑	
morning max el	5891 Feb 13 01:41	7°♑33'21	46°49'59
	5891 Mar 06 01:06	0°♒	
	5891 Apr 01 02:21	0°♓	
desc. node	5891 Apr 18 19:34	21°♓06'26	
	5891 Apr 26 04:43	0°♈	
	5891 May 20 21:09	0°♉	
	5891 Jun 14 09:44	0°♊	
	5891 Jul 08 21:23	0°♋	
	5891 Aug 02 08:48	0°♌	
asc. node	5891 Aug 09 20:14	9°♌10'17	
morning set	5891 Aug 17 02:00	18°♌03'24	
	5891 Aug 26 19:23	0°♍	
	5891 Sep 20 04:28	0°♎	
max. Earth dist.	5891 Sep 21 14:38	1°♎45'16	1.73358 AU

superior conj	5891 Sep 22 17:34	3°♎08'14	1°20'42
minimum elong	5891 Sep 22 11:50	2°♎50'32	1°20'37
	5891 Oct 14 12:13	0°♏	
evening rise	5891 Oct 29 03:51	18°♏05'11	
	5891 Nov 07 19:25	0°♐	
desc. node	5891 Nov 29 12:03	26°♐46'38	
	5891 Dec 02 02:42	0°♑	
	5891 Dec 26 10:17	0°♒	
	5892 Jan 19 18:38	0°♓	
	5892 Feb 13 06:00	0°♈	
	5892 Mar 09 02:05	0°♉	
asc. node	5892 Mar 21 12:59	14°♉43'08	
	5892 Apr 03 18:44	0°♊	
	5892 May 01 13:58	0°♋	
evening max el	5892 May 02 09:16	0°♋48'19	46°33'20
	5892 Jun 08 22:11	0°♌	
greatest brilliancy	5892 Jun 10 07:57	0°♌34'20	-4.8m
retrograde	5892 Jun 21 08:43	2°♌48'12	
	5892 Jul 03 04:17	30°℞♋	
evening set	5892 Jul 06 07:27	28°♋24'29	
desc. node	5892 Jul 11 04:52	25°♋30'05	
min. Earth dist.	5892 Jul 12 04:57	24°♋52'30	0.28356 AU
inferior conj	5892 Jul 12 15:07	24°♋36'36	-0°20'54
minimum elong	5892 Jul 12 14:20	24°♋37'50	0°20'41
morning rise	5892 Jul 18 21:56	20°♋51'45	
direct	5892 Aug 02 22:16	16°♋31'36	
greatest brilliancy	5892 Aug 12 17:49	18°♋16'37	-4.7m
	5892 Sep 01 22:49	0°♌	
morning max el	5892 Sep 20 14:38	16°♌13'36	45°41'39
	5892 Oct 04 10:16	0°♍	
	5892 Oct 31 23:23	0°♎	
asc. node	5892 Nov 01 06:06	0°♎19'01	
	5892 Nov 26 19:15	0°♏	
	5892 Dec 21 17:37	0°♐	
	5893 Jan 15 03:48	0°♑	
	5893 Feb 08 07:05	0°♒	
desc. node	5893 Feb 20 21:37	15°♒45'33	
	5893 Mar 04 06:24	0°♓	
morning set	5893 Mar 22 08:07	22°♓41'20	
	5893 Mar 28 03:48	0°♈	
	5893 Apr 21 01:10	0°♉	
superior conj	5893 May 01 22:21	13°♉38'13	-1°21'08
minimum elong	5893 May 02 06:18	14°♉03'06	1°21'00
max. Earth dist.	5893 May 05 15:23	18°♉16'47	1.71677 AU
	5893 May 15 00:24	0°♊	
	5893 Jun 08 02:56	0°♋	
evening rise	5893 Jun 10 15:31	3°♋07'48	
asc. node	5893 Jun 13 22:31	7°♋12'31	
	5893 Jul 02 09:32	0°♌	
	5893 Jul 26 20:43	0°♍	
	5893 Aug 20 13:46	0°♎	
	5893 Sep 14 15:14	0°♏	
desc. node	5893 Oct 03 14:22	22°♏18'12	
	5893 Oct 10 05:29	0°♐	
	5893 Nov 05 16:43	0°♑	
	5893 Dec 04 00:52	0°♒	
evening max el	5893 Dec 06 02:42	2°♒03'15	46°31'31
	5894 Jan 10 08:16	0°♓	
greatest brilliancy	5894 Jan 15 05:09	2°♓04'37	-4.9m
asc. node	5894 Jan 24 15:27	3°♓53'25	
retrograde	5894 Jan 25 01:21	3°♓53'38	
	5894 Feb 08 02:17	30°℞♒	
evening set	5894 Feb 08 20:58	29°♒35'07	
inferior conj	5894 Feb 14 15:51	26°♒10'32	5°09'21
minimum elong	5894 Feb 14 05:44	26°♒26'03	5°06'38
min. Earth dist.	5894 Feb 14 09:32	26°♒20'14	0.26745 AU
morning rise	5894 Feb 19 14:26	23°♒13'42	
direct	5894 Mar 07 04:31	18°♒27'35	
greatest brilliancy	5894 Mar 16 23:36	20°♒16'10	-4.9m
	5894 Apr 02 22:00	0°♓	
morning max el	5894 Apr 26 13:10	21°♓08'28	46°52'33
	5894 May 05 03:55	0°♈	
desc. node	5894 May 16 07:21	11°♈58'57	
	5894 Jun 01 09:21	0°♉	
	5894 Jun 27 06:07	0°♊	
	5894 Jul 22 13:41	0°♋	
	5894 Aug 16 14:16	0°♌	
asc. node	5894 Sep 06 08:12	25°♌05'15	
	5894 Sep 10 09:17	0°♍	
	5894 Oct 04 22:52	0°♎	
morning set	5894 Oct 24 09:11	23°♎54'22	
	5894 Oct 29 07:36	0°♏	
	5894 Nov 22 12:46	0°♐	
max. Earth dist.	5894 Nov 27 15:51	6°♐22'22	1.72425 AU
superior conj	5894 Nov 30 10:55	9°♐50'48	0°58'15
minimum elong	5894 Nov 30 20:52	10°♐21'43	0°57'55
	5894 Dec 16 15:35	0°♑	
desc. node	5894 Dec 26 23:52	12°♑53'50	
evening rise	5895 Jan 08 11:15	28°♑27'54	
	5895 Jan 09 16:45	0°♒	
	5895 Feb 02 16:45	0°♓	
	5895 Feb 26 16:42	0°♈	
	5895 Mar 22 18:58	0°♉	
	5895 Apr 16 03:23	0°♊	
asc. node	5895 Apr 19 00:52	3°♊32'03	
	5895 May 10 23:20	0°♋	
	5895 Jun 05 15:47	0°♌	
	5895 Jul 03 02:16	0°♍	
evening max el	5895 Jul 12 23:00	9°♍54'30	45°43'28
	5895 Aug 05 09:39	0°♎	
desc. node	5895 Aug 08 16:48	2°♎13'38	
greatest brilliancy	5895 Aug 20 09:36	8°♎15'32	-4.7m
retrograde	5895 Aug 30 22:53	10°♎16'52	
evening set	5895 Sep 17 08:43	4°♎34'18	
inferior conj	5895 Sep 21 12:29	2°♎00'46	-8°02'43
minimum elong	5895 Sep 21 05:49	2°♎11'14	8°02'02
min. Earth dist.	5895 Sep 21 10:47	2°♎03'27	0.29161 AU
	5895 Sep 24 18:11	30°℞♍	
morning rise	5895 Sep 25 02:51	29°♍46'53	
direct	5895 Oct 13 02:03	23°♍42'06	
greatest brilliancy	5895 Oct 23 14:29	25°♍41'39	-4.7m
	5895 Nov 01 13:03	0°♎	
asc. node	5895 Nov 29 17:43	22°♎50'13	
morning max el	5895 Dec 01 10:34	24°♎29'43	46°04'38
	5895 Dec 06 22:35	0°♏	
	5896 Jan 03 12:52	0°♐	
	5896 Jan 29 03:56	0°♑	
	5896 Feb 22 22:36	0°♒	
	5896 Mar 18 07:13	0°♓	
desc. node	5896 Mar 20 09:34	2°♓35'53	
	5896 Apr 11 10:55	0°♈	
	5896 May 05 12:51	0°♉	
	5896 May 29 15:18	0°♊	
morning set	5896 Jun 05 01:27	7°♊58'50	
	5896 Jun 22 19:37	0°♋	
asc. node	5896 Jul 11 10:21	23°♋01'05	
superior conj	5896 Jul 13 05:11	25°♋13'18	0°04'20
minimum elong	5896 Jul 13 04:13	25°♋10'19	0°04'15
behind sun begin	5896 Jul 12 05:29	24°♋00'07	
behind sun end	5896 Jul 14 02:58	26°♋20'31	
max. Earth dist.	5896 Jul 15 03:46	27°♋37'05	1.73045 AU

	5896 Jul 17 02:06	0°♌	
	5896 Aug 10 10:21	0°♍	
evening rise	5896 Aug 19 02:25	10°♍39'49	
	5896 Sep 03 20:15	0°♎	
	5896 Sep 28 08:21	0°♏	
	5896 Oct 22 23:45	0°♐	
desc. node	5896 Oct 31 02:10	9°♐48'55	
	5896 Nov 16 19:34	0°♑	
	5896 Dec 11 21:14	0°♒	
	5897 Jan 06 09:11	0°♓	
	5897 Feb 01 21:38	0°♈	
evening max el	5897 Feb 16 21:04	15°♈49'23	47°07'12
asc. node	5897 Feb 21 03:16	20°♈04'35	
	5897 Mar 03 17:30	0°♉	
greatest brilliancy	5897 Mar 29 14:24	17°♉15'17	-4.9m
retrograde	5897 Apr 08 15:47	19°♉11'04	
evening set	5897 Apr 26 11:08	13°♉03'57	
inferior conj	5897 Apr 29 11:29	11°♉12'57	8°33'36
minimum elong	5897 Apr 29 18:23	11°♉02'16	8°32'51
min. Earth dist.	5897 Apr 29 07:05	11°♉19'46	0.27429 AU
morning rise	5897 May 03 01:46	9°♉01'29	
direct	5897 May 20 04:39	3°♉21'41	
greatest brilliancy	5897 May 29 17:30	5°♉03'47	-4.8m
desc. node	5897 Jun 12 19:00	12°♉27'21	
	5897 Jul 03 23:47	0°♊	
morning max el	5897 Jul 08 18:56	4°♊35'16	46°09'12
	5897 Aug 02 07:35	0°♋	
	5897 Aug 29 04:22	0°♌	
	5897 Sep 24 00:04	0°♍	
asc. node	5897 Oct 03 20:07	11°♍38'50	
	5897 Oct 19 03:57	0°♎	
	5897 Nov 12 20:18	0°♏	
	5897 Dec 07 04:31	0°♐	
	5897 Dec 31 07:26	0°♑	
morning set	5898 Jan 02 21:17	3°♑12'58	
desc. node	5898 Jan 23 11:45	28°♑59'32	
	5898 Jan 24 07:03	0°♒	
max. Earth dist.	5898 Feb 10 16:45	21°♒50'25	1.71269 AU
superior conj	5898 Feb 12 04:13	23°♒41'49	-0°45'25
minimum elong	5898 Feb 11 17:49	23°♒09'10	0°44'57
	5898 Feb 17 04:33	0°♓	
	5898 Mar 13 01:07	0°♈	
evening rise	5898 Mar 24 23:02	14°♈58'33	
	5898 Apr 05 22:24	0°♉	
	5898 Apr 29 22:42	0°♊	
asc. node	5898 May 16 12:40	20°♊33'33	
	5898 May 24 04:25	0°♋	
	5898 Jun 17 17:59	0°♌	
	5898 Jul 12 18:46	0°♍	
	5898 Aug 07 13:36	0°♎	
	5898 Sep 03 18:50	0°♏	
desc. node	5898 Sep 05 04:34	1°♏28'47	
evening max el	5898 Sep 22 05:01	18°♏36'24	45°41'06
	5898 Oct 04 20:31	0°♐	
greatest brilliancy	5898 Oct 31 13:16	16°♐42'23	-4.8m
retrograde	5898 Nov 09 21:48	18°♐17'14	
evening set	5898 Nov 26 05:37	13°♐12'25	
inferior conj	5898 Nov 30 22:46	10°♐21'48	-5°58'06
minimum elong	5898 Dec 01 08:58	10°♐06'00	5°55'47
min. Earth dist.	5898 Dec 01 21:14	9°♐47'02	0.27961 AU
morning rise	5898 Dec 06 11:48	7°♐02'10	
direct	5898 Dec 22 03:40	2°♐16'02	
asc. node	5898 Dec 27 05:36	2°♐46'19	
greatest brilliancy	5899 Jan 02 06:51	4°♐34'58	-4.8m
	5899 Feb 05 10:02	0°♑	
morning max el	5899 Feb 10 16:09	5°♑12'59	46°48'54
	5899 Mar 05 17:47	0°♒	
	5899 Mar 31 16:17	0°♓	
desc. node	5899 Apr 17 21:29	20°♓33'27	
	5899 Apr 25 17:17	0°♈	
	5899 May 20 08:54	0°♉	
	5899 Jun 13 20:58	0°♊	
	5899 Jul 08 08:17	0°♋	
	5899 Aug 01 19:28	0°♌	
asc. node	5899 Aug 08 22:19	8°♌44'08	
morning set	5899 Aug 14 19:20	15°♌56'52	
	5899 Aug 26 05:54	0°♍	
max. Earth dist.	5899 Sep 19 09:27	29°♍43'03	1.73370 AU
	5899 Sep 19 14:57	0°♎	
superior conj	5899 Sep 20 11:30	1°♎03'19	1°19'36
minimum elong	5899 Sep 20 05:14	0°♎44'02	1°19'29
	5899 Oct 13 22:45	0°♏	
evening rise	5899 Oct 26 20:28	15°♏55'35	
	5899 Nov 07 06:06	0°♐	
desc. node	5899 Nov 28 13:59	26°♐18'55	
	5899 Dec 01 13:39	0°♑	
	5899 Dec 25 21:35	0°♒	
	5900 Jan 19 06:23	0°♓	
	5900 Feb 12 18:23	0°♈	
	5900 Mar 09 15:31	0°♉	
asc. node	5900 Mar 21 15:00	14°♉07'23	
	5900 Apr 04 10:19	0°♊	
evening max el	5900 May 01 00:12	28°♊31'56	46°35'14
	5900 May 02 11:37	0°♋	
greatest brilliancy	5900 Jun 09 01:15	28°♋23'31	-4.8m
	5900 Jun 14 09:56	0°♌	
retrograde	5900 Jun 20 00:10	0°♌35'55	
	5900 Jun 25 11:00	30°℞♋	
evening set	5900 Jul 04 23:55	26°♋11'48	
inferior conj	5900 Jul 11 06:48	22°♋25'00	0°00'05
minimum elong	5900 Jul 11 06:48	22°♋25'00	0°00'03
transit middle	5900 Jul 11 06:48	22°♋25'00	0°00'03
transit begin	5900 Jul 11 02:45	22°♋31'20	
transit end	5900 Jul 11 10:51	22°♋18'39	
min. Earth dist.	5900 Jul 10 21:20	22°♋39'49	0.28318 AU
desc. node	5900 Jul 11 06:55	22°♋24'48	
morning rise	5900 Jul 17 14:20	18°♋38'50	
direct	5900 Aug 01 13:21	14°♋20'35	
greatest brilliancy	5900 Aug 11 09:08	16°♋05'26	-4.7m
	5900 Sep 03 08:52	0°♌	
morning max el	5900 Sep 19 05:02	14°♌00'31	45°41'37
	5900 Oct 05 04:01	0°♍	
asc. node	5900 Nov 01 07:59	29°♍44'47	
	5900 Nov 01 13:20	0°♎	
	5900 Nov 27 07:39	0°♏	
	5900 Dec 22 05:16	0°♐	
	5901 Jan 15 15:04	0°♑	
	5901 Feb 08 18:07	0°♒	
desc. node	5901 Feb 20 23:36	15°♒17'28	
	5901 Mar 04 17:18	0°♓	
morning set	5901 Mar 20 18:04	20°♓07'48	
	5901 Mar 28 14:36	0°♈	
	5901 Apr 21 11:53	0°♉	
superior conj	5901 Apr 30 10:26	11°♉12'22	-1°22'29
minimum elong	5901 Apr 30 17:38	11°♉34'55	1°22'22
max. Earth dist.	5901 May 04 00:09	15°♉40'42	1.71625 AU
	5901 May 15 11:03	0°♊	
	5901 Jun 08 13:33	0°♋	
evening rise	5901 Jun 09 05:40	0°♋49'58	
asc. node	5901 Jun 14 00:35	6°♋46'04	
	5901 Jul 02 20:11	0°♌	

	5901 Jul 27 07:34	0°♍	
	5901 Aug 21 01:02	0°♎	
	5901 Sep 15 03:15	0°♏	
desc. node	5901 Oct 03 16:14	21°♏46'04	
	5901 Oct 10 18:51	0°♐	
	5901 Nov 06 08:41	0°♑	
evening max el	5901 Dec 04 15:15	29°♑39'27	46°29'34
	5901 Dec 04 23:38	0°♒	
greatest brilliancy	5902 Jan 13 18:18	29°♒38'45	-4.9m
	5902 Jan 14 19:29	0°♓	
retrograde	5902 Jan 23 13:25	1°♓27'14	
asc. node	5902 Jan 24 17:30	1°♓25'35	
	5902 Feb 01 00:31	30°℞♒	
evening set	5902 Feb 07 07:00	27°♒11'43	
inferior conj	5902 Feb 13 04:22	23°♒44'17	4°48'46
minimum elong	5902 Feb 12 18:41	23°♒59'07	4°46'05
min. Earth dist.	5902 Feb 12 23:17	23°♒52'04	0.26746 AU
morning rise	5902 Feb 18 06:11	20°♒43'02	
direct	5902 Mar 05 16:45	16°♒00'44	
greatest brilliancy	5902 Mar 15 14:16	17°♒51'32	-4.9m
	5902 Apr 04 14:17	0°♓	
morning max el	5902 Apr 25 02:20	18°♓43'52	46°53'39
	5902 May 05 23:35	0°♈	
desc. node	5902 May 16 09:18	11°♈16'40	
	5902 Jun 02 00:28	0°♉	
	5902 Jun 27 19:13	0°♊	
	5902 Jul 23 01:39	0°♋	
	5902 Aug 17 01:31	0°♌	
asc. node	5902 Sep 06 10:10	24°♌38'09	
	5902 Sep 10 20:07	0°♍	
	5902 Oct 05 09:29	0°♎	
morning set	5902 Oct 23 02:21	21°♎46'37	
	5902 Oct 29 18:10	0°♏	
	5902 Nov 22 23:22	0°♐	
max. Earth dist.	5902 Nov 26 09:41	4°♐15'37	1.72472 AU
superior conj	5902 Nov 29 02:20	7°♐36'29	1°00'45
minimum elong	5902 Nov 29 12:16	8°♐07'23	1°00'26
	5902 Dec 17 02:16	0°♑	
desc. node	5902 Dec 27 01:58	12°♑26'52	
evening rise	5903 Jan 07 00:17	26°♑05'06	
	5903 Jan 10 03:34	0°♒	
	5903 Feb 03 03:45	0°♓	
	5903 Feb 27 03:55	0°♈	
	5903 Mar 23 06:30	0°♉	
	5903 Apr 16 15:23	0°♊	
asc. node	5903 Apr 19 02:47	3°♊01'06	
	5903 May 11 12:09	0°♋	
	5903 Jun 06 06:17	0°♌	
	5903 Jul 03 21:07	0°♍	
evening max el	5903 Jul 11 14:53	7°♍43'56	45°44'50
	5903 Aug 07 05:46	0°♎	
desc. node	5903 Aug 08 18:51	0°♎58'42	
greatest brilliancy	5903 Aug 18 23:53	6°♎05'27	-4.7m
retrograde	5903 Aug 29 15:49	8°♎09'09	
evening set	5903 Sep 15 22:09	2°♎30'27	
inferior conj	5903 Sep 20 04:57	29°♍52'30	-7°55'23
minimum elong	5903 Sep 19 21:45	0°♎03'48	7°54'34
min. Earth dist.	5903 Sep 20 01:53	29°♍57'19	0.29162 AU
	5903 Sep 20 00:10	30°℞♍	
morning rise	5903 Sep 23 21:20	27°♍35'49	
direct	5903 Oct 11 18:41	21°♍33'56	
greatest brilliancy	5903 Oct 22 05:58	23°♍32'47	-4.7m
	5903 Nov 03 15:46	0°♎	
asc. node	5903 Nov 29 19:50	22°♎01'59	
morning max el	5903 Nov 30 03:00	22°♎19'31	46°03'04
	5903 Dec 07 18:03	0°♏	

	5904 Jan 04 03:42	0°♐	
	5904 Jan 29 17:00	0°♑	
	5904 Feb 23 10:47	0°♒	
	5904 Mar 18 18:54	0°♓	
desc. node	5904 Mar 20 11:32	2°♓05'53	
	5904 Apr 11 22:15	0°♈	
	5904 May 05 23:56	0°♉	
	5904 May 30 02:11	0°♊	
morning set	5904 Jun 03 15:49	5°♊40'39	
	5904 Jun 23 06:22	0°♋	
superior conj	5904 Jul 11 21:15	23°♋01'44	0°00'54
minimum elong	5904 Jul 11 21:04	23°♋01'10	0°00'52
behind sun begin	5904 Jul 10 21:39	21°♋48'51	
behind sun end	5904 Jul 12 20:29	24°♋13'29	
asc. node	5904 Jul 11 12:27	22°♋34'32	
max. Earth dist.	5904 Jul 13 23:02	25°♋35'30	1.73009 AU
	5904 Jul 17 12:45	0°♌	
	5904 Aug 10 21:00	0°♍	
evening rise	5904 Aug 17 20:34	8°♍35'21	
	5904 Sep 04 06:59	0°♎	
	5904 Sep 28 19:19	0°♏	
	5904 Oct 23 11:08	0°♐	
desc. node	5904 Oct 31 04:10	9°♐19'56	
	5904 Nov 17 07:37	0°♑	
	5904 Dec 12 10:21	0°♒	
	5905 Jan 07 00:05	0°♓	
	5905 Feb 02 16:16	0°♈	
evening max el	5905 Feb 15 12:11	13°♈28'52	47°07'03
asc. node	5905 Feb 21 05:14	19°♈09'01	
	5905 Mar 05 01:52	0°♉	
greatest brilliancy	5905 Mar 28 03:53	14°♉50'56	-4.9m
retrograde	5905 Apr 07 06:06	16°♉47'02	
evening set	5905 Apr 25 03:08	10°♉36'28	
inferior conj	5905 Apr 28 00:53	8°♉49'19	8°41'09
minimum elong	5905 Apr 28 07:04	8°♉39'45	8°40'33
min. Earth dist.	5905 Apr 27 19:39	8°♉57'26	0.27401 AU
morning rise	5905 May 01 11:09	6°♉43'53	
direct	5905 May 18 18:20	0°♉58'43	
greatest brilliancy	5905 May 28 05:19	2°♉39'39	-4.8m
desc. node	5905 Jun 12 21:08	11°♉09'20	
	5905 Jul 05 00:27	0°♊	
morning max el	5905 Jul 07 09:41	2°♊18'15	46°10'43
	5905 Aug 03 00:06	0°♋	
	5905 Aug 29 18:03	0°♌	
	5905 Sep 24 12:22	0°♍	
asc. node	5905 Oct 03 22:03	11°♍09'02	
	5905 Oct 19 15:30	0°♎	
	5905 Nov 13 07:26	0°♏	
	5905 Dec 07 15:27	0°♐	
	5905 Dec 31 18:20	0°♑	
morning set	5906 Jan 01 11:01	0°♑52'04	
desc. node	5906 Jan 23 13:45	28°♑31'32	
	5906 Jan 24 17:59	0°♒	
max. Earth dist.	5906 Feb 08 22:57	19°♒04'44	1.71295 AU
superior conj	5906 Feb 10 15:10	21°♒11'01	-0°42'00
minimum elong	5906 Feb 10 05:22	20°♒40'14	0°41'33
	5906 Feb 17 15:33	0°♓	
	5906 Mar 13 12:10	0°♈	
evening rise	5906 Mar 23 09:22	12°♈25'26	
	5906 Apr 06 09:30	0°♉	
	5906 Apr 30 09:55	0°♊	
asc. node	5906 May 16 14:44	20°♊04'53	
	5906 May 24 15:52	0°♋	
	5906 Jun 18 05:50	0°♌	
	5906 Jul 13 07:23	0°♍	

	5906 Aug 08 03:43	0°♎	
	5906 Sep 04 12:31	0°♏	
desc. node	5906 Sep 05 06:28	0°♏46'54	
evening max el	5906 Sep 20 19:43	16°♏22'25	45°40'13
	5906 Oct 06 04:13	0°♐	
greatest brilliancy	5906 Oct 30 03:47	14°♐27'37	-4.8m
retrograde	5906 Nov 08 11:27	16°♐01'50	
evening set	5906 Nov 24 23:16	10°♐52'37	
inferior conj	5906 Nov 29 13:36	8°♐05'47	-6°13'15
minimum elong	5906 Nov 29 23:50	7°♐49'54	6°11'01
min. Earth dist.	5906 Nov 30 12:14	7°♐30'40	0.28024 AU
morning rise	5906 Dec 04 23:51	4°♐49'32	
	5906 Dec 19 23:32	30°℞♏	
direct	5906 Dec 20 18:56	29°♏59'13	
	5906 Dec 21 14:23	0°♐	
asc. node	5906 Dec 27 07:37	0°♐48'28	
greatest brilliancy	5906 Dec 31 22:27	2°♐17'52	-4.8m
	5907 Feb 06 09:48	0°♑	
morning max el	5907 Feb 09 05:47	2°♑50'10	46°47'32
	5907 Mar 06 10:24	0°♒	
	5907 Apr 01 06:25	0°♓	
desc. node	5907 Apr 17 23:27	19°♓59'39	
	5907 Apr 26 06:10	0°♈	
	5907 May 20 21:02	0°♉	
	5907 Jun 14 08:36	0°♊	
	5907 Jul 08 19:32	0°♋	
	5907 Aug 02 06:28	0°♌	
asc. node	5907 Aug 09 00:13	8°♌16'24	
morning set	5907 Aug 13 12:28	13°♌48'42	
	5907 Aug 26 16:44	0°♍	
max. Earth dist.	5907 Sep 18 03:05	27°♍36'22	1.73380 AU
superior conj	5907 Sep 19 05:31	28°♍57'46	1°18'22
minimum elong	5907 Sep 18 22:46	28°♍37'00	1°18'14
	5907 Sep 20 01:43	0°♎	
	5907 Oct 14 09:35	0°♏	
evening rise	5907 Oct 25 13:26	13°♏46'11	
	5907 Nov 07 17:05	0°♐	
desc. node	5907 Nov 28 16:05	25°♐50'55	
	5907 Dec 02 00:53	0°♑	
	5907 Dec 26 09:09	0°♒	
	5908 Jan 19 18:25	0°♓	
	5908 Feb 13 07:06	0°♈	
	5908 Mar 09 05:26	0°♉	
asc. node	5908 Mar 20 16:54	13°♉29'48	
	5908 Apr 04 02:40	0°♊	
evening max el	5908 Apr 28 14:09	26°♊11'08	46°36'57
	5908 May 02 10:53	0°♋	
greatest brilliancy	5908 Jun 06 18:19	26°♋09'58	-4.8m
retrograde	5908 Jun 17 15:18	28°♋21'09	
evening set	5908 Jul 02 16:13	23°♋56'06	
inferior conj	5908 Jul 08 22:11	20°♋10'53	0°21'16
minimum elong	5908 Jul 08 22:59	20°♋09'38	0°20'59
min. Earth dist.	5908 Jul 08 13:38	20°♋24'15	0.28279 AU
desc. node	5908 Jul 10 08:54	19°♋16'41	
morning rise	5908 Jul 15 06:16	16°♋23'44	
direct	5908 Jul 30 03:44	12°♋06'56	
greatest brilliancy	5908 Aug 09 00:40	13°♋52'25	-4.7m
	5908 Sep 03 16:53	0°♌	
morning max el	5908 Sep 16 19:18	11°♌45'42	45°41'51
	5908 Oct 04 21:48	0°♍	
asc. node	5908 Oct 31 10:04	29°♍10'17	
	5908 Nov 01 03:31	0°♎	
	5908 Nov 26 20:20	0°♏	
	5908 Dec 21 17:12	0°♐	
	5909 Jan 15 02:36	0°♑	
	5909 Feb 08 05:25	0°♒	
desc. node	5909 Feb 20 01:33	14°♒48'25	
	5909 Mar 04 04:28	0°♓	
morning set	5909 Mar 18 04:21	17°♓34'22	
	5909 Mar 28 01:41	0°♈	
	5909 Apr 20 22:56	0°♉	
superior conj	5909 Apr 27 22:27	8°♉45'07	-1°23'39
minimum elong	5909 Apr 28 04:51	9°♉05'10	1°23'36
max. Earth dist.	5909 May 01 06:58	12°♉57'15	1.71585 AU
	5909 May 14 22:06	0°♊	
evening rise	5909 Jun 06 19:22	28°♊29'20	
	5909 Jun 08 00:36	0°♋	
asc. node	5909 Jun 13 02:36	6°♋18'01	
	5909 Jul 02 07:19	0°♌	
	5909 Jul 26 18:54	0°♍	
	5909 Aug 20 12:48	0°♎	
	5909 Sep 14 15:47	0°♏	
desc. node	5909 Oct 02 18:17	21°♏13'02	
	5909 Oct 10 08:45	0°♐	
	5909 Nov 06 01:22	0°♑	
evening max el	5909 Dec 02 04:24	27°♑16'26	46°27'44
	5909 Dec 04 23:52	0°♒	
greatest brilliancy	5910 Jan 11 07:04	27°♒11'56	-4.9m
retrograde	5910 Jan 21 02:15	29°♒00'35	
asc. node	5910 Jan 23 19:26	28°♒51'34	
evening set	5910 Feb 04 17:28	24°♒47'34	
inferior conj	5910 Feb 10 17:01	21°♒17'34	4°27'37
minimum elong	5910 Feb 10 07:48	21°♒31'38	4°25'01
min. Earth dist.	5910 Feb 10 12:50	21°♒23'57	0.26748 AU
morning rise	5910 Feb 15 21:57	18°♒12'18	
direct	5910 Mar 03 05:32	13°♒33'34	
greatest brilliancy	5910 Mar 13 04:30	15°♒26'04	-4.9m
	5910 Apr 05 02:39	0°♓	
morning max el	5910 Apr 22 16:22	16°♓20'53	46°54'33
	5910 May 05 18:56	0°♈	
desc. node	5910 May 15 11:28	10°♈34'45	
	5910 Jun 01 15:40	0°♉	
	5910 Jun 27 08:35	0°♊	
	5910 Jul 22 13:59	0°♋	
	5910 Aug 16 13:12	0°♌	
asc. node	5910 Sep 05 12:09	24°♌09'45	
	5910 Sep 10 07:22	0°♍	
	5910 Oct 04 20:30	0°♎	
morning set	5910 Oct 20 19:19	19°♎37'15	
	5910 Oct 29 05:05	0°♏	
	5910 Nov 22 10:17	0°♐	
max. Earth dist.	5910 Nov 24 03:56	2°♐09'19	1.72515 AU
superior conj	5910 Nov 26 17:43	5°♐21'10	1°03'09
minimum elong	5910 Nov 27 03:35	5°♐51'49	1°02'51
	5910 Dec 16 13:16	0°♑	
desc. node	5910 Dec 26 03:55	11°♑58'27	
evening rise	5911 Jan 04 13:29	23°♑41'49	
	5911 Jan 09 14:42	0°♒	
	5911 Feb 02 15:04	0°♓	
	5911 Feb 26 15:26	0°♈	
	5911 Mar 22 18:17	0°♉	
	5911 Apr 16 03:37	0°♊	
asc. node	5911 Apr 18 04:54	2°♊30'08	
	5911 May 11 01:16	0°♋	
	5911 Jun 05 21:14	0°♌	
	5911 Jul 03 16:55	0°♍	
evening max el	5911 Jul 09 07:21	5°♍33'40	45°45'58
desc. node	5911 Aug 07 20:46	29°♍39'47	
	5911 Aug 08 10:38	0°♎	
greatest brilliancy	5911 Aug 16 14:19	3°♎53'59	-4.7m
retrograde	5911 Aug 27 08:34	5°♎59'26	

evening set	5911 Sep 13	11:17	0°♎25'07		
	5911 Sep 14	04:10	30°℞♍		
inferior conj	5911 Sep 17	21:12	27°♍42'27	-7°47'15	
minimum elong	5911 Sep 17	13:30	27°♍54'31	7°46'19	
min. Earth dist.	5911 Sep 17	16:41	27°♍49'31	0.29160 AU	
morning rise	5911 Sep 21	15:44	25°♍22'39		
direct	5911 Oct 09	11:28	19°♍24'13		
greatest brilliancy	5911 Oct 19	20:44	21°♍21'39	-4.7m	
	5911 Nov 04	11:54	0°♎		
morning max el	5911 Nov 27	19:08	20°♎07'41	46°01'35	
asc. node	5911 Nov 28	21:53	21°♎13'23		
	5911 Dec 07	13:20	0°♏		
	5912 Jan 03	18:36	0°♐		
	5912 Jan 29	06:11	0°♑		
	5912 Feb 22	23:07	0°♒		
	5912 Mar 18	06:44	0°♓		
desc. node	5912 Mar 19	13:29	1°♓35'22		
	5912 Apr 11	09:44	0°♈		
	5912 May 05	11:08	0°♉		
	5912 May 29	13:11	0°♊		
morning set	5912 Jun 01	06:24	3°♊22'44		
	5912 Jun 22	17:12	0°♋		
superior conj	5912 Jul 09	13:23	20°♋49'56	-0°02'32	
minimum elong	5912 Jul 09	13:57	20°♋51'41	0°02'33	
behind sun begin	5912 Jul 08	14:37	19°♋39'35		
behind sun end	5912 Jul 10	13:16	22°♋03'45		
asc. node	5912 Jul 10	14:21	22°♋07'04		
max. Earth dist.	5912 Jul 11	20:18	23°♋39'36	1.72976 AU	
	5912 Jul 16	23:32	0°♌		
	5912 Aug 10	07:49	0°♍		
evening rise	5912 Aug 15	14:36	6°♍29'56		
	5912 Sep 03	17:56	0°♎		
	5912 Sep 28	06:31	0°♏		
	5912 Oct 22	22:46	0°♐		
desc. node	5912 Oct 30	06:14	8°♐50'30		
	5912 Nov 16	19:56	0°♑		
	5912 Dec 11	23:45	0°♒		
	5913 Jan 06	15:19	0°♓		
	5913 Feb 02	11:33	0°♈		
evening max el	5913 Feb 13	03:02	11°♈07'16	47°06'45	
asc. node	5913 Feb 20	07:13	18°♈12'00		
	5913 Mar 05	13:21	0°♉		
greatest brilliancy	5913 Mar 25	17:48	12°♉26'44	-4.9m	
retrograde	5913 Apr 04	20:00	14°♉22'26		
evening set	5913 Apr 22	18:52	8°♉09'11		
inferior conj	5913 Apr 25	14:17	6°♉25'25	8°47'48	
minimum elong	5913 Apr 25	19:40	6°♉17'04	8°47'22	
min. Earth dist.	5913 Apr 25	08:21	6°♉34'36	0.27368 AU	
morning rise	5913 Apr 28	20:38	4°♉25'41		
	5913 May 08	00:21	30°℞♈		
direct	5913 May 16	07:52	28°♈35'38		
	5913 May 24	22:31	0°♉		
greatest brilliancy	5913 May 25	17:17	0°♉15'22	-4.8m	
desc. node	5913 Jun 11	23:02	9°♉53'18		
	5913 Jul 04	23:57	0°♊		
morning max el	5913 Jul 04	23:24	29°♉58'39	46°12'18	
	5913 Aug 02	16:17	0°♋		
	5913 Aug 29	07:36	0°♌		
	5913 Sep 24	00:38	0°♍		
asc. node	5913 Oct 03	00:08	10°♍39'39		
	5913 Oct 19	03:04	0°♎		
	5913 Nov 12	18:38	0°♏		
	5913 Dec 07	02:27	0°♐		
morning set	5913 Dec 30	00:37	28°♐30'39		
	5913 Dec 31	05:16	0°♑		
desc. node	5914 Jan 22	15:40	28°♑03'14		
	5914 Jan 24	04:55	0°♒		
max. Earth dist.	5914 Feb 06	03:54	16°♒15'17	1.71321 AU	
superior conj	5914 Feb 08	02:06	18°♒40'18	-0°38'29	
minimum elong	5914 Feb 07	16:58	18°♒11'36	0°38'04	
	5914 Feb 17	02:32	0°♓		
	5914 Mar 12	23:10	0°♈		
evening rise	5914 Mar 20	19:42	9°♈52'24		
	5914 Apr 05	20:35	0°♉		
	5914 Apr 29	21:07	0°♊		
asc. node	5914 May 15	16:44	19°♊36'08		
	5914 May 24	03:16	0°♋		
	5914 Jun 17	17:37	0°♌		
	5914 Jul 12	19:55	0°♍		
	5914 Aug 07	17:51	0°♎		
desc. node	5914 Sep 04	08:31	0°♏05'09		
	5914 Sep 04	06:31	0°♏		
evening max el	5914 Sep 18	09:19	14°♏06'01	45°39'10	
	5914 Oct 06	14:44	0°♐		
greatest brilliancy	5914 Oct 27	18:11	12°♐12'31	-4.8m	
retrograde	5914 Nov 06	00:57	13°♐46'18		
evening set	5914 Nov 22	16:42	8°♐32'20		
inferior conj	5914 Nov 27	04:17	5°♐49'27	-6°27'42	
minimum elong	5914 Nov 27	14:28	5°♐33'38	6°25'35	
min. Earth dist.	5914 Nov 28	03:15	5°♐13'47	0.28092 AU	
morning rise	5914 Dec 02	11:38	2°♐36'56		
	5914 Dec 07	16:44	30°℞♏		
direct	5914 Dec 18	09:39	27°♏41'51		
asc. node	5914 Dec 26	09:31	28°♏54'33		
greatest brilliancy	5914 Dec 29	14:25	0°♐01'03	-4.8m	
	5914 Dec 29	13:22	0°♐		
	5915 Feb 06	08:35	0°♑		
morning max el	5915 Feb 06	19:14	0°♑26'53	46°46'21	
	5915 Mar 06	02:38	0°♒		
	5915 Mar 31	20:16	0°♓		
desc. node	5915 Apr 17	01:35	19°♓26'56		
	5915 Apr 25	18:48	0°♈		
	5915 May 20	08:56	0°♉		
	5915 Jun 13	20:00	0°♊		
	5915 Jul 08	06:35	0°♋		
	5915 Aug 01	17:15	0°♌		
asc. node	5915 Aug 08	02:15	7°♌49'41		
morning set	5915 Aug 11	05:45	11°♌41'32		
	5915 Aug 26	03:21	0°♍		
max. Earth dist.	5915 Sep 15	21:48	25°♍33'43	1.73391 AU	
superior conj	5915 Sep 16	23:44	26°♍53'34	1°17'02	
minimum elong	5915 Sep 16	16:33	26°♍31'27	1°16'53	
	5915 Sep 19	12:16	0°♎		
	5915 Oct 13	20:12	0°♏		
evening rise	5915 Oct 23	06:38	11°♏38'13		
	5915 Nov 07	03:54	0°♐		
desc. node	5915 Nov 27	18:04	25°♐22'55		
	5915 Dec 01	12:00	0°♑		
	5915 Dec 25	20:37	0°♒		
	5916 Jan 19	06:21	0°♓		
	5916 Feb 12	19:46	0°♈		
	5916 Mar 08	19:18	0°♉		
asc. node	5916 Mar 19	19:01	12°♉53'16		
	5916 Apr 03	19:03	0°♊		
evening max el	5916 Apr 26	03:44	23°♊50'16	46°38'51	
	5916 May 02	10:52	0°♋		
greatest brilliancy	5916 Jun 04	10:56	23°♋56'40	-4.8m	
retrograde	5916 Jun 15	06:48	26°♋07'27		
evening set	5916 Jun 30	08:42	21°♋40'54		
min. Earth dist.	5916 Jul 06	05:48	18°♋09'46	0.28242 AU	
inferior conj	5916 Jul 06	13:35	17°♋57'36	0°42'27	

minimum elong	5916 Jul 06	15:11	17°♋55'07	0°41'56	
desc. node	5916 Jul 09	10:53	16°♋10'22		
morning rise	5916 Jul 12	22:07	14°♋09'56		
direct	5916 Jul 27	18:07	9°♋53'57		
greatest brilliancy	5916 Aug 06	16:18	11°♋40'28	-4.7m	
	5916 Sep 03	22:08	0°♌		
morning max el	5916 Sep 14	10:21	9°♌33'45	45°42'13	
	5916 Oct 04	14:47	0°♍		
asc. node	5916 Oct 30	12:05	28°♍36'51		
	5916 Oct 31	17:11	0°♎		
	5916 Nov 26	08:36	0°♏		
	5916 Dec 21	04:49	0°♐		
	5917 Jan 14	13:53	0°♑		
	5917 Feb 07	16:31	0°♒		
desc. node	5917 Feb 19	03:38	14°♒20'24		
	5917 Mar 03	15:26	0°♓		
morning set	5917 Mar 15	14:12	15°♓00'13		
	5917 Mar 27	12:33	0°♈		
	5917 Apr 20	09:44	0°♉		
superior conj	5917 Apr 25	10:03	6°♉17'19	-1°24'41	
minimum elong	5917 Apr 25	15:36	6°♉34'42	1°24'38	
max. Earth dist.	5917 Apr 28	13:43	10°♉14'23	1.71542 AU	
	5917 May 14	08:50	0°♊		
evening rise	5917 Jun 04	08:55	26°♊09'09		
	5917 Jun 07	11:20	0°♋		
asc. node	5917 Jun 12	04:31	5°♋50'38		
	5917 Jul 01	18:07	0°♌		
	5917 Jul 26	05:56	0°♍		
	5917 Aug 20	00:15	0°♎		
	5917 Sep 14	04:00	0°♏		
desc. node	5917 Oct 01	20:23	20°♏41'15		
	5917 Oct 09	22:22	0°♐		
	5917 Nov 05	17:54	0°♑		
evening max el	5917 Nov 29	18:16	24°♑56'35	46°25'45	
	5917 Dec 05	00:48	0°♒		
greatest brilliancy	5918 Jan 08	19:12	24°♒45'19	-4.9m	
retrograde	5918 Jan 18	15:12	26°♒34'22		
asc. node	5918 Jan 22	21:27	26°♒12'03		
evening set	5918 Feb 02	04:02	22°♒23'39		
inferior conj	5918 Feb 08	05:27	18°♒51'08	4°05'54	
minimum elong	5918 Feb 07	20:48	19°♒04'19	4°03'23	
min. Earth dist.	5918 Feb 08	01:59	18°♒56'26	0.26758 AU	
morning rise	5918 Feb 13	13:27	15°♒41'59		
direct	5918 Feb 28	18:47	11°♒06'46		
greatest brilliancy	5918 Mar 10	18:12	13°♒00'15	-4.9m	
	5918 Apr 05	11:42	0°♓		
morning max el	5918 Apr 20	06:44	13°♓59'12	46°55'24	
	5918 May 05	13:34	0°♈		
desc. node	5918 May 14	13:22	9°♈53'13		
	5918 Jun 01	06:26	0°♉		
	5918 Jun 26	21:32	0°♊		
	5918 Jul 22	01:53	0°♋		
	5918 Aug 16	00:27	0°♌		
asc. node	5918 Sep 04	14:12	23°♌42'49		
	5918 Sep 09	18:13	0°♍		
	5918 Oct 04	07:08	0°♎		
morning set	5918 Oct 18	12:40	17°♎30'18		
	5918 Oct 28	15:37	0°♏		
	5918 Nov 21	20:49	0°♐		
max. Earth dist.	5918 Nov 21	21:38	0°♐02'33	1.72554 AU	
superior conj	5918 Nov 24	09:38	3°♐08'48	1°05'24	
minimum elong	5918 Nov 24	19:22	3°♐39'02	1°05'08	
	5918 Dec 15	23:52	0°♑		
desc. node	5918 Dec 25	05:53	11°♑31'19		
evening rise	5919 Jan 02	03:05	21°♑21'04		
	5919 Jan 09	01:28	0°♒		
	5919 Feb 02	02:02	0°♓		
	5919 Feb 26	02:39	0°♈		
	5919 Mar 22	05:50	0°♉		
	5919 Apr 15	15:40	0°♊		
asc. node	5919 Apr 17	06:51	1°♊59'14		
	5919 May 10	14:13	0°♋		
	5919 Jun 05	12:07	0°♌		
	5919 Jul 03	12:59	0°♍		
evening max el	5919 Jul 06	23:56	3°♍24'35	45°47'19	
desc. node	5919 Aug 06	22:50	28°♍19'50		
	5919 Aug 10	03:39	0°♎		
greatest brilliancy	5919 Aug 14	05:34	1°♎44'45	-4.7m	
retrograde	5919 Aug 25	01:09	3°♎51'03		
	5919 Sep 08	01:55	30°℞♍		
evening set	5919 Sep 11	00:37	28°♍21'22		
inferior conj	5919 Sep 15	13:34	25°♍33'54	-7°38'40	
minimum elong	5919 Sep 15	05:25	25°♍46'41	7°37'35	
min. Earth dist.	5919 Sep 15	07:47	25°♍42'59	0.29151 AU	
morning rise	5919 Sep 19	10:19	23°♍10'45		
direct	5919 Oct 07	04:23	17°♍16'08		
greatest brilliancy	5919 Oct 17	11:23	19°♍11'42	-4.7m	
	5919 Nov 05	02:11	0°♎		
morning max el	5919 Nov 25	10:40	17°♎55'47	46°00'11	
asc. node	5919 Nov 27	23:44	20°♎26'22		
	5919 Dec 07	07:36	0°♏		
	5920 Jan 03	08:53	0°♐		
	5920 Jan 28	18:53	0°♑		
	5920 Feb 22	11:01	0°♒		
	5920 Mar 17	18:11	0°♓		
desc. node	5920 Mar 18	15:35	1°♓06'24		
	5920 Apr 10	20:55	0°♈		
	5920 May 04	22:06	0°♉		
	5920 May 28	23:57	0°♊		
morning set	5920 May 29	20:29	1°♊03'52		
	5920 Jun 22	03:50	0°♋		
superior conj	5920 Jul 07	05:02	18°♋37'17	-0°05'59	
minimum elong	5920 Jul 07	06:22	18°♋41'28	0°05'57	
behind sun begin	5920 Jul 06	08:15	17°♋33'03		
behind sun end	5920 Jul 08	04:30	19°♋49'51		
max. Earth dist.	5920 Jul 09	17:10	21°♋43'08	1.72934 AU	
asc. node	5920 Jul 09	16:22	21°♋40'39		
	5920 Jul 16	10:05	0°♌		
	5920 Aug 09	18:22	0°♍		
evening rise	5920 Aug 13	08:20	4°♍24'24		
	5920 Sep 03	04:36	0°♎		
	5920 Sep 27	17:27	0°♏		
	5920 Oct 22	10:09	0°♐		
desc. node	5920 Oct 29	08:10	8°♐21'27		
	5920 Nov 16	08:01	0°♑		
	5920 Dec 11	12:55	0°♒		
	5921 Jan 06	06:23	0°♓		
	5921 Feb 02	06:55	0°♈		
evening max el	5921 Feb 10	16:58	8°♈44'29	47°06'20	
asc. node	5921 Feb 19	09:17	17°♈15'11		
	5921 Mar 06	04:02	0°♉		
greatest brilliancy	5921 Mar 23	08:12	10°♉04'13	-4.9m	
retrograde	5921 Apr 02	09:26	11°♉58'55		
evening set	5921 Apr 20	10:19	5°♉43'34		
inferior conj	5921 Apr 23	03:47	4°♉02'38	8°53'31	
minimum elong	5921 Apr 23	08:19	3°♉55'35	8°53'12	
min. Earth dist.	5921 Apr 22	21:28	4°♉12'26	0.27340 AU	
morning rise	5921 Apr 26	06:28	2°♉08'12		
	5921 Apr 30	01:36	30°℞♈		
direct	5921 May 13	21:04	26°♈13'27		
greatest brilliancy	5921 May 23	06:02	27°♈52'31	-4.8m	

	5921 May 28 09:02	0°♉		
desc. node	5921 Jun 11 01:04	8°♉40'20		
morning max el	5921 Jul 02 12:24	27°♉37'25	46°13'50	
	5921 Jul 04 22:19	0°♊		
	5921 Aug 02 08:05	0°♋		
	5921 Aug 28 20:53	0°♌		
	5921 Sep 23 12:39	0°♍		
asc. node	5921 Oct 02 02:07	10°♍10'36		
	5921 Oct 18 14:24	0°♎		
	5921 Nov 12 05:35	0°♏		
	5921 Dec 06 13:15	0°♐		
morning set	5921 Dec 27 14:33	26°♐10'52		
	5921 Dec 30 16:01	0°♑		
desc. node	5922 Jan 21 17:47	27°♑36'09		
	5922 Jan 23 15:41	0°♒		
max. Earth dist.	5922 Feb 03 09:40	13°♒28'59	1.71348 AU	
superior conj	5922 Feb 05 13:32	16°♒11'46	-0°34'57	
minimum elong	5922 Feb 05 05:06	15°♒45'18	0°34'32	
	5922 Feb 16 13:18	0°♓		
	5922 Mar 12 09:58	0°♈		
evening rise	5922 Mar 18 06:30	7°♈21'32		
	5922 Apr 05 07:27	0°♉		
	5922 Apr 29 08:08	0°♊		
asc. node	5922 May 14 18:40	19°♊07'39		
	5922 May 23 14:32	0°♋		
	5922 Jun 17 05:20	0°♌		
	5922 Jul 12 08:28	0°♍		
	5922 Aug 07 08:05	0°♎		
desc. node	5922 Sep 03 10:37	29°♎23'11		
	5922 Sep 04 00:56	0°♏		
evening max el	5922 Sep 15 22:38	11°♏49'16	45°38'26	
	5922 Oct 07 04:39	0°♐		
greatest brilliancy	5922 Oct 25 08:24	9°♐58'00	-4.8m	
retrograde	5922 Nov 03 15:01	11°♐32'00		
evening set	5922 Nov 20 10:18	6°♐12'59		
inferior conj	5922 Nov 24 19:10	3°♐34'09	-6°41'24	
minimum elong	5922 Nov 25 05:14	3°♐18'31	6°39'24	
min. Earth dist.	5922 Nov 25 18:18	2°♐58'13	0.28159 AU	
morning rise	5922 Nov 29 23:34	0°♐25'44		
	5922 Nov 30 17:48	30°℞♏		
direct	5922 Dec 16 00:30	25°♏25'21		
asc. node	5922 Dec 25 11:38	27°♏05'49		
greatest brilliancy	5922 Dec 27 06:41	27°♏45'30	-4.8m	
	5923 Jan 01 02:35	0°♐		
morning max el	5923 Feb 04 09:45	28°♐06'43	46°45'11	
	5923 Feb 06 06:20	0°♑		
	5923 Mar 05 18:30	0°♒		
	5923 Mar 31 09:53	0°♓		
desc. node	5923 Apr 16 03:29	18°♓53'58		
	5923 Apr 25 07:16	0°♈		
	5923 May 19 20:42	0°♉		
	5923 Jun 13 07:19	0°♊		
	5923 Jul 07 17:35	0°♋		
	5923 Aug 01 04:01	0°♌		
asc. node	5923 Aug 07 04:19	7°♌23'04		
morning set	5923 Aug 08 22:56	9°♌34'00		
	5923 Aug 25 13:59	0°♍		
max. Earth dist.	5923 Sep 13 17:15	23°♍33'10	1.73402 AU	
superior conj	5923 Sep 14 17:48	24°♍48'44	1°15'36	
minimum elong	5923 Sep 14 10:12	24°♍25'22	1°15'25	
	5923 Sep 18 22:52	0°♎		
	5923 Oct 13 06:52	0°♏		
evening rise	5923 Oct 20 23:49	9°♏30'11		
	5923 Nov 06 14:45	0°♐		
desc. node	5923 Nov 26 20:00	24°♐54'50		
	5923 Nov 30 23:07	0°♑		
	5923 Dec 25 08:08	0°♒		
	5924 Jan 18 18:23	0°♓		
	5924 Feb 12 08:33	0°♈		
	5924 Mar 08 09:21	0°♉		
asc. node	5924 Mar 18 21:00	12°♉15'53		
	5924 Apr 03 11:47	0°♊		
evening max el	5924 Apr 23 18:02	21°♊31'09	46°40'49	
	5924 May 02 12:03	0°♋		
greatest brilliancy	5924 Jun 02 03:01	21°♋42'47	-4.8m	
retrograde	5924 Jun 12 22:51	23°♋53'53		
evening set	5924 Jun 28 01:24	19°♋25'26		
inferior conj	5924 Jul 04 05:02	15°♋44'13	1°03'37	
minimum elong	5924 Jul 04 07:25	15°♋40'30	1°02'51	
min. Earth dist.	5924 Jul 03 21:40	15°♋55'43	0.28207 AU	
desc. node	5924 Jul 08 12:57	13°♋05'36		
morning rise	5924 Jul 10 13:54	11°♋56'28		
direct	5924 Jul 25 08:55	7°♋40'50		
greatest brilliancy	5924 Aug 04 07:31	9°♋28'00	-4.7m	
	5924 Sep 04 01:39	0°♌		
morning max el	5924 Sep 12 02:24	7°♌23'50	45°42'30	
	5924 Oct 04 07:36	0°♍		
asc. node	5924 Oct 29 13:59	28°♍02'42		
	5924 Oct 31 06:56	0°♎		
	5924 Nov 25 21:01	0°♏		
	5924 Dec 20 16:34	0°♐		
	5925 Jan 14 01:17	0°♑		
	5925 Feb 07 03:43	0°♒		
desc. node	5925 Feb 18 05:37	13°♒51'39		
	5925 Mar 03 02:31	0°♓		
morning set	5925 Mar 13 00:07	12°♓25'48		
	5925 Mar 26 23:35	0°♈		
	5925 Apr 19 20:43	0°♉		
superior conj	5925 Apr 22 21:35	3°♉48'34	-1°25'33	
minimum elong	5925 Apr 23 02:12	4°♉03'02	1°25'31	
max. Earth dist.	5925 Apr 25 21:32	7°♉34'10	1.71502 AU	
	5925 May 13 19:47	0°♊		
evening rise	5925 Jun 01 22:27	23°♊48'18		
	5925 Jun 06 22:16	0°♋		
asc. node	5925 Jun 11 06:35	5°♋23'12		
	5925 Jul 01 05:08	0°♌		
	5925 Jul 25 17:10	0°♍		
	5925 Aug 19 11:57	0°♎		
	5925 Sep 13 16:32	0°♏		
desc. node	5925 Sep 30 22:16	20°♏07'48		
	5925 Oct 09 12:26	0°♐		
	5925 Nov 05 11:07	0°♑		
evening max el	5925 Nov 27 09:02	22°♑38'17	46°23'51	
	5925 Dec 05 03:29	0°♒		
greatest brilliancy	5926 Jan 06 07:37	22°♒18'45	-4.9m	
retrograde	5926 Jan 16 04:15	24°♒07'43		
asc. node	5926 Jan 21 23:30	23°♒26'20		
evening set	5926 Jan 30 15:06	19°♒59'21		
inferior conj	5926 Feb 05 18:03	16°♒24'26	3°43'49	
minimum elong	5926 Feb 05 10:02	16°♒36'40	3°41'26	
min. Earth dist.	5926 Feb 05 15:15	16°♒28'42	0.26765 AU	
morning rise	5926 Feb 11 04:54	13°♒11'29		
direct	5926 Feb 26 08:19	8°♒39'59		
greatest brilliancy	5926 Mar 08 07:40	10°♒33'44	-4.9m	
	5926 Apr 05 18:28	0°♓		
morning max el	5926 Apr 17 20:53	11°♓36'21	46°56'00	
	5926 May 05 08:00	0°♈		
desc. node	5926 May 13 15:22	9°♈11'37		
	5926 May 31 21:17	0°♉		
	5926 Jun 26 10:41	0°♊		
	5926 Jul 21 14:02	0°♋		

	5926 Aug 15 11:58	0°♌	
asc. node	5926 Sep 03 16:09	23°♌14'41	
	5926 Sep 09 05:21	0°♍	
	5926 Oct 03 18:04	0°♎	
morning set	5926 Oct 16 06:03	15°♎22'31	
	5926 Oct 28 02:29	0°♏	
max. Earth dist.	5926 Nov 19 13:04	27°♏47'43	1.72596 AU
	5926 Nov 21 07:43	0°♐	
superior conj	5926 Nov 22 01:34	0°♐55'26	1°07'34
minimum elong	5926 Nov 22 11:06	1°♐25'02	1°07'18
	5926 Dec 15 10:52	0°♑	
desc. node	5926 Dec 24 08:00	11°♑03'29	
evening rise	5926 Dec 30 16:29	18°♑58'34	
	5927 Jan 08 12:37	0°♒	
	5927 Feb 01 13:22	0°♓	
	5927 Feb 25 14:14	0°♈	
	5927 Mar 21 17:44	0°♉	
	5927 Apr 15 04:07	0°♊	
asc. node	5927 Apr 16 08:47	1°♊27'09	
	5927 May 10 03:41	0°♋	
	5927 Jun 05 03:38	0°♌	
	5927 Jul 03 10:15	0°♍	
evening max el	5927 Jul 04 16:09	1°♍13'15	45°48'37
desc. node	5927 Aug 06 00:53	26°♍56'02	
greatest brilliancy	5927 Aug 11 21:28	29°♍35'02	-4.7m
	5927 Aug 13 01:38	0°♎	
retrograde	5927 Aug 22 17:19	1°♎41'29	
	5927 Aug 31 22:50	30°℞♍	
evening set	5927 Sep 08 13:57	26°♍16'40	
inferior conj	5927 Sep 13 05:57	23°♍24'25	-7°29'25
minimum elong	5927 Sep 12 21:25	23°♍37'50	7°28'11
min. Earth dist.	5927 Sep 12 23:16	23°♍34'55	0.29139 AU
morning rise	5927 Sep 17 04:59	20°♍57'38	
direct	5927 Oct 04 20:55	15°♍07'11	
greatest brilliancy	5927 Oct 15 02:16	17°♍00'58	-4.7m
	5927 Nov 05 13:16	0°♎	
morning max el	5927 Nov 23 01:16	15°♎40'27	45°58'44
asc. node	5927 Nov 27 01:53	19°♎39'38	
	5927 Dec 07 01:52	0°♏	
	5928 Jan 02 23:28	0°♐	
	5928 Jan 28 07:58	0°♑	
	5928 Feb 21 23:20	0°♒	
	5928 Mar 17 06:03	0°♓	
desc. node	5928 Mar 17 17:33	0°♓35'42	
	5928 Apr 10 08:27	0°♈	
	5928 May 04 09:23	0°♉	
morning set	5928 May 27 10:24	28°♉43'17	
	5928 May 28 11:04	0°♊	
	5928 Jun 21 14:51	0°♋	
superior conj	5928 Jul 04 20:40	16°♋23'23	-0°09'25
minimum elong	5928 Jul 04 22:48	16°♋29'58	0°09'20
behind sun begin	5928 Jul 04 03:21	15°♋29'52	
behind sun end	5928 Jul 05 18:14	17°♋30'04	
max. Earth dist.	5928 Jul 07 12:23	19°♋40'18	1.72893 AU
asc. node	5928 Jul 08 18:27	21°♋13'12	
	5928 Jul 15 21:02	0°♌	
	5928 Aug 09 05:20	0°♍	
evening rise	5928 Aug 11 02:05	2°♍17'37	
	5928 Sep 02 15:40	0°♎	
	5928 Sep 27 04:46	0°♏	
	5928 Oct 21 21:56	0°♐	
desc. node	5928 Oct 28 10:13	7°♐51'36	
	5928 Nov 15 20:33	0°♑	
	5928 Dec 11 02:37	0°♒	
	5929 Jan 05 22:11	0°♓	
	5929 Feb 02 03:30	0°♈	
evening max el	5929 Feb 08 06:01	6°♈17'47	47°05'49
asc. node	5929 Feb 18 11:15	16°♈15'07	
	5929 Mar 07 00:49	0°♉	
greatest brilliancy	5929 Mar 20 22:55	7°♉40'03	-4.9m
retrograde	5929 Mar 30 22:32	9°♉33'32	
evening set	5929 Apr 18 01:14	3°♉16'39	
inferior conj	5929 Apr 20 17:10	1°♉38'03	8°58'14
minimum elong	5929 Apr 20 20:49	1°♉32'22	8°58'01
min. Earth dist.	5929 Apr 20 10:43	1°♉48'03	0.27311 AU
	5929 Apr 23 08:53	30°℞♈	
morning rise	5929 Apr 23 16:31	29°♈48'30	
direct	5929 May 11 09:32	23°♈49'19	
greatest brilliancy	5929 May 20 19:05	25°♈28'26	-4.8m
	5929 May 30 08:44	0°♉	
desc. node	5929 Jun 10 03:12	7°♉28'23	
morning max el	5929 Jun 30 01:01	25°♉13'52	46°15'27
	5929 Jul 04 20:16	0°♊	
	5929 Aug 01 24:00	0°♋	
	5929 Aug 28 10:27	0°♌	
	5929 Sep 23 01:00	0°♍	
asc. node	5929 Oct 01 04:03	9°♍40'24	
	5929 Oct 18 02:02	0°♎	
	5929 Nov 11 16:51	0°♏	
	5929 Dec 06 00:20	0°♐	
morning set	5929 Dec 25 04:42	23°♐50'53	
	5929 Dec 30 03:04	0°♑	
desc. node	5930 Jan 20 19:47	27°♑07'44	
	5930 Jan 23 02:46	0°♒	
max. Earth dist.	5930 Jan 31 18:21	10°♒50'50	1.71383 AU
superior conj	5930 Feb 03 00:52	13°♒41'53	-0°31'20
minimum elong	5930 Feb 02 17:12	13°♒17'49	0°30'57
	5930 Feb 16 00:26	0°♓	
	5930 Mar 11 21:09	0°♈	
evening rise	5930 Mar 15 16:59	4°♈48'30	
	5930 Apr 04 18:43	0°♉	
	5930 Apr 28 19:32	0°♊	
asc. node	5930 May 13 20:45	18°♊38'35	
	5930 May 23 02:11	0°♋	
	5930 Jun 16 17:25	0°♌	
	5930 Jul 11 21:25	0°♍	
	5930 Aug 06 22:50	0°♎	
desc. node	5930 Sep 02 12:31	28°♎39'12	
	5930 Sep 03 20:13	0°♏	
evening max el	5930 Sep 13 12:33	9°♏33'12	45°37'49
	5930 Oct 07 23:53	0°♐	
greatest brilliancy	5930 Oct 22 22:04	7°♐42'19	-4.7m
retrograde	5930 Nov 01 05:37	9°♐17'15	
evening set	5930 Nov 18 03:54	3°♐53'04	
inferior conj	5930 Nov 22 10:04	1°♐18'18	-6°54'24
minimum elong	5930 Nov 22 19:58	1°♐02'57	6°52'32
min. Earth dist.	5930 Nov 23 09:03	0°♐42'39	0.28225 AU
	5930 Nov 24 12:42	30°℞♏	
morning rise	5930 Nov 27 11:28	28°♏14'21	
direct	5930 Dec 13 15:46	23°♏08'27	
asc. node	5930 Dec 24 13:36	25°♏20'36	
greatest brilliancy	5930 Dec 24 22:32	25°♏29'19	-4.8m
	5931 Jan 02 17:09	0°♐	
morning max el	5931 Feb 02 01:05	25°♐48'21	46°43'55
	5931 Feb 06 03:28	0°♑	
	5931 Mar 05 10:18	0°♒	
	5931 Mar 30 23:38	0°♓	
desc. node	5931 Apr 15 05:30	18°♓20'39	
	5931 Apr 24 19:56	0°♈	
	5931 May 19 08:43	0°♉	
	5931 Jun 12 18:52	0°♊	

	5931 Jul 07 04:47	0°♋	
	5931 Jul 31 14:58	0°♌	
asc. node	5931 Aug 06 06:13	6°♌55'26	
morning set	5931 Aug 06 15:52	7°♌25'04	
	5931 Aug 25 00:47	0°♍	
max. Earth dist.	5931 Sep 11 14:23	21°♍37'13	1.73412 AU
superior conj	5931 Sep 12 11:40	22°♍42'47	1°14'02
minimum elong	5931 Sep 12 03:42	22°♍18'15	1°13'50
	5931 Sep 18 09:38	0°♎	
	5931 Oct 12 17:44	0°♏	
evening rise	5931 Oct 18 17:03	7°♏21'47	
	5931 Nov 06 01:47	0°♐	
desc. node	5931 Nov 25 22:08	24°♐26'50	
	5931 Nov 30 10:24	0°♑	
	5931 Dec 24 19:45	0°♒	
	5932 Jan 18 06:30	0°♓	
	5932 Feb 11 21:27	0°♈	
	5932 Mar 07 23:38	0°♉	
asc. node	5932 Mar 17 22:55	11°♉37'44	
	5932 Apr 03 04:58	0°♊	
evening max el	5932 Apr 21 09:11	19°♊13'36	46°42'36
	5932 May 02 14:57	0°♋	
greatest brilliancy	5932 May 30 18:45	19°♋27'24	-4.8m
retrograde	5932 Jun 10 15:03	21°♋38'49	
evening set	5932 Jun 25 18:03	17°♋08'28	
inferior conj	5932 Jul 01 20:13	13°♋29'22	1°24'56
minimum elong	5932 Jul 01 23:23	13°♋24'27	1°23'56
min. Earth dist.	5932 Jul 01 13:02	13°♋40'33	0.28172 AU
desc. node	5932 Jul 07 14:56	10°♋01'30	
morning rise	5932 Jul 08 05:14	9°♋41'54	
direct	5932 Jul 22 23:55	5°♋26'29	
greatest brilliancy	5932 Aug 01 21:55	7°♋13'40	-4.7m
	5932 Sep 04 03:46	0°♌	
morning max el	5932 Sep 09 18:36	5°♌14'03	45°42'49
	5932 Oct 04 00:10	0°♍	
asc. node	5932 Oct 28 16:06	27°♍29'15	
	5932 Oct 30 20:35	0°♎	
	5932 Nov 25 09:22	0°♏	
	5932 Dec 20 04:17	0°♐	
	5933 Jan 13 12:38	0°♑	
	5933 Feb 06 14:50	0°♒	
desc. node	5933 Feb 17 07:35	13°♒23'07	
	5933 Mar 02 13:31	0°♓	
morning set	5933 Mar 10 10:27	9°♓53'05	
	5933 Mar 26 10:31	0°♈	
	5933 Apr 19 07:36	0°♉	
superior conj	5933 Apr 20 09:13	1°♉20'23	-1°26'14
minimum elong	5933 Apr 20 12:51	1°♉31'46	1°26'14
max. Earth dist.	5933 Apr 23 08:12	5°♉03'01	1.71468 AU
	5933 May 13 06:38	0°♊	
evening rise	5933 May 30 11:49	21°♊27'01	
	5933 Jun 06 09:08	0°♋	
asc. node	5933 Jun 10 08:37	4°♋55'46	
	5933 Jun 30 16:06	0°♌	
	5933 Jul 25 04:23	0°♍	
	5933 Aug 18 23:37	0°♎	
	5933 Sep 13 05:03	0°♏	
desc. node	5933 Sep 30 00:20	19°♏35'01	
	5933 Oct 09 02:32	0°♐	
	5933 Nov 05 04:35	0°♑	
evening max el	5933 Nov 24 23:52	20°♑20'32	46°21'50
	5933 Dec 05 07:40	0°♒	
greatest brilliancy	5934 Jan 03 20:43	19°♒53'36	-4.9m
retrograde	5934 Jan 13 17:01	21°♒41'35	
asc. node	5934 Jan 21 01:27	20°♒35'26	
evening set	5934 Jan 28 02:29	17°♒35'32	
inferior conj	5934 Feb 03 06:41	13°♒58'36	3°21'15
minimum elong	5934 Feb 02 23:22	14°♒09'47	3°19'04
min. Earth dist.	5934 Feb 03 04:57	14°♒01'15	0.26771 AU
morning rise	5934 Feb 08 20:11	10°♒41'49	
direct	5934 Feb 23 21:35	6°♒14'07	
greatest brilliancy	5934 Mar 05 21:30	8°♒08'15	-4.9m
	5934 Apr 05 22:48	0°♓	
morning max el	5934 Apr 15 10:10	9°♓12'06	46°56'40
	5934 May 05 01:38	0°♈	
desc. node	5934 May 12 17:31	8°♈31'49	
	5934 May 31 11:37	0°♉	
	5934 Jun 25 23:26	0°♊	
	5934 Jul 21 01:53	0°♋	
	5934 Aug 14 23:14	0°♌	
asc. node	5934 Sep 02 18:10	22°♌47'23	
	5934 Sep 08 16:16	0°♍	
	5934 Oct 03 04:45	0°♎	
morning set	5934 Oct 13 23:19	13°♎15'09	
	5934 Oct 27 13:05	0°♏	
max. Earth dist.	5934 Nov 17 03:38	25°♏31'06	1.72639 AU
superior conj	5934 Nov 19 17:33	28°♏43'09	1°09'36
minimum elong	5934 Nov 20 02:49	29°♏11'53	1°09'22
	5934 Nov 20 18:20	0°♐	
	5934 Dec 14 21:36	0°♑	
desc. node	5934 Dec 23 09:56	10°♑35'55	
evening rise	5934 Dec 28 05:57	16°♑37'13	
	5935 Jan 07 23:31	0°♒	
	5935 Feb 01 00:28	0°♓	
	5935 Feb 25 01:32	0°♈	
	5935 Mar 21 05:21	0°♉	
	5935 Apr 14 16:14	0°♊	
asc. node	5935 Apr 15 10:55	0°♊56'45	
	5935 May 09 16:48	0°♋	
	5935 Jun 04 18:55	0°♌	
evening max el	5935 Jul 02 07:39	29°♌01'14	45°49'50
	5935 Jul 03 07:49	0°♍	
desc. node	5935 Aug 05 02:48	25°♍30'23	
greatest brilliancy	5935 Aug 09 13:45	27°♍26'47	-4.7m
retrograde	5935 Aug 20 09:16	29°♍33'12	
evening set	5935 Sep 06 03:20	24°♍13'08	
inferior conj	5935 Sep 10 22:26	21°♍16'16	-7°19'24
minimum elong	5935 Sep 10 13:33	21°♍30'16	7°18'03
min. Earth dist.	5935 Sep 10 15:15	21°♍27'35	0.29127 AU
morning rise	5935 Sep 14 23:51	18°♍45'43	
direct	5935 Oct 02 12:57	12°♍59'25	
greatest brilliancy	5935 Oct 12 17:55	14°♍52'13	-4.7m
	5935 Nov 05 20:53	0°♎	
morning max el	5935 Nov 20 15:29	13°♎25'22	45°57'21
asc. node	5935 Nov 26 03:54	18°♎54'22	
	5935 Dec 06 19:17	0°♏	
	5936 Jan 02 13:28	0°♐	
	5936 Jan 27 20:33	0°♑	
	5936 Feb 21 11:13	0°♒	
desc. node	5936 Mar 16 19:31	0°♓06'17	
	5936 Mar 16 17:30	0°♓	
	5936 Apr 09 19:35	0°♈	
	5936 May 03 20:16	0°♉	
morning set	5936 May 25 00:30	26°♉24'30	
	5936 May 27 21:45	0°♊	
	5936 Jun 21 01:23	0°♋	
superior conj	5936 Jul 02 12:36	14°♋11'50	-0°12'49
minimum elong	5936 Jul 02 15:29	14°♋20'47	0°12'42
behind sun begin	5936 Jul 02 00:53	13°♋35'37	
behind sun end	5936 Jul 03 06:06	15°♋05'57	

max. Earth dist.	5936 Jul 05 06:37	17°♋35'55	1.72849 AU
asc. node	5936 Jul 07 20:21	20°♋46'41	
	5936 Jul 15 07:31	0°♌	
evening rise	5936 Aug 08 20:02	0°♍12'53	
	5936 Aug 08 15:50	0°♍	
	5936 Sep 02 02:18	0°♎	
	5936 Sep 26 15:41	0°♏	
	5936 Oct 21 09:21	0°♐	
desc. node	5936 Oct 27 12:16	7°♐22'56	
	5936 Nov 15 08:43	0°♑	
	5936 Dec 10 16:01	0°♒	
	5937 Jan 05 13:46	0°♓	
	5937 Feb 02 00:17	0°♈	
evening max el	5937 Feb 05 18:33	3°♈51'02	47°05'15
asc. node	5937 Feb 17 13:15	15°♈14'51	
	5937 Mar 08 04:30	0°♉	
greatest brilliancy	5937 Mar 18 13:19	5°♉16'25	-4.9m
retrograde	5937 Mar 28 11:39	7°♉09'14	
evening set	5937 Apr 15 15:32	0°♉51'13	
	5937 Apr 17 00:59	30°℞♈	
inferior conj	5937 Apr 18 06:26	29°♈14'22	9°01'53
minimum elong	5937 Apr 18 09:10	29°♈10'07	9°01'47
min. Earth dist.	5937 Apr 17 23:55	29°♈24'29	0.27282 AU
morning rise	5937 Apr 21 02:53	27°♈29'13	
direct	5937 May 08 21:43	21°♈25'47	
greatest brilliancy	5937 May 18 08:13	23°♈05'30	-4.8m
	5937 May 31 16:17	0°♉	
desc. node	5937 Jun 09 05:04	6°♉19'10	
morning max el	5937 Jun 27 14:23	22°♉53'24	46°17'20
	5937 Jul 04 16:53	0°♊	
	5937 Aug 01 15:07	0°♋	
	5937 Aug 27 23:21	0°♌	
	5937 Sep 22 12:46	0°♍	
asc. node	5937 Sep 30 06:08	9°♍12'09	
	5937 Oct 17 13:12	0°♎	
	5937 Nov 11 03:41	0°♏	
	5937 Dec 05 11:02	0°♐	
morning set	5937 Dec 22 18:56	21°♐32'23	
	5937 Dec 29 13:45	0°♑	
desc. node	5938 Jan 19 21:42	26°♑40'18	
	5938 Jan 22 13:27	0°♒	
max. Earth dist.	5938 Jan 29 05:38	8°♒22'09	1.71417 AU
superior conj	5938 Jan 31 12:08	11°♒13'05	-0°27'38
minimum elong	5938 Jan 31 05:17	10°♒51'37	0°27'18
	5938 Feb 15 11:10	0°♓	
	5938 Mar 11 07:57	0°♈	
evening rise	5938 Mar 13 03:34	2°♈17'00	
	5938 Apr 04 05:37	0°♉	
	5938 Apr 28 06:35	0°♊	
asc. node	5938 May 12 22:44	18°♊10'15	
	5938 May 22 13:28	0°♋	
	5938 Jun 16 05:08	0°♌	
	5938 Jul 11 09:59	0°♍	
	5938 Aug 06 13:15	0°♎	
desc. node	5938 Sep 01 14:35	27°♎56'32	
	5938 Sep 03 15:28	0°♏	
evening max el	5938 Sep 11 03:27	7°♏21'08	45°37'14
	5938 Oct 09 01:03	0°♐	
greatest brilliancy	5938 Oct 20 11:11	5°♐27'51	-4.7m
retrograde	5938 Oct 29 20:38	7°♐04'10	
evening set	5938 Nov 15 21:37	1°♐34'56	
	5938 Nov 18 12:51	30°℞♏	
inferior conj	5938 Nov 20 01:06	29°♏04'00	-7°06'34
minimum elong	5938 Nov 20 10:46	28°♏48'59	7°04'51
min. Earth dist.	5938 Nov 20 23:31	28°♏29'14	0.28293 AU
morning rise	5938 Nov 24 23:27	26°♏04'36	
direct	5938 Dec 11 07:44	20°♏53'14	
greatest brilliancy	5938 Dec 22 14:01	23°♏14'03	-4.8m
asc. node	5938 Dec 23 15:33	23°♏40'20	
	5939 Jan 03 19:27	0°♐	
morning max el	5939 Jan 30 17:18	23°♐33'19	46°42'31
	5939 Feb 05 23:34	0°♑	
	5939 Mar 05 01:33	0°♒	
	5939 Mar 30 12:56	0°♓	
desc. node	5939 Apr 14 07:36	17°♓48'45	
	5939 Apr 24 08:12	0°♈	
	5939 May 18 20:22	0°♉	
	5939 Jun 12 06:05	0°♊	
	5939 Jul 06 15:40	0°♋	
	5939 Jul 31 01:36	0°♌	
morning set	5939 Aug 04 09:02	5°♌17'43	
asc. node	5939 Aug 05 08:15	6°♌29'05	
	5939 Aug 24 11:15	0°♍	
max. Earth dist.	5939 Sep 09 13:17	19°♍47'45	1.73416 AU
superior conj	5939 Sep 10 05:49	20°♍38'39	1°12'23
minimum elong	5939 Sep 09 21:32	20°♍13'09	1°12'10
	5939 Sep 17 20:05	0°♎	
	5939 Oct 12 04:15	0°♏	
evening rise	5939 Oct 16 10:38	5°♏15'35	
	5939 Nov 05 12:31	0°♐	
desc. node	5939 Nov 25 00:04	23°♐59'07	
	5939 Nov 29 21:25	0°♑	
	5939 Dec 24 07:11	0°♒	
	5940 Jan 17 18:30	0°♓	
	5940 Feb 11 10:17	0°♈	
	5940 Mar 07 13:54	0°♉	
asc. node	5940 Mar 17 01:03	11°♉00'22	
	5940 Apr 02 22:21	0°♊	
evening max el	5940 Apr 19 01:01	16°♊58'08	46°44'22
	5940 May 02 19:20	0°♋	
greatest brilliancy	5940 May 28 10:33	17°♋12'29	-4.8m
retrograde	5940 Jun 08 07:06	19°♋23'41	
evening set	5940 Jun 23 10:48	14°♋51'32	
inferior conj	5940 Jun 29 11:16	11°♋14'35	1°46'13
minimum elong	5940 Jun 29 15:12	11°♋08'27	1°44'59
min. Earth dist.	5940 Jun 29 04:15	11°♋25'31	0.28134 AU
morning rise	5940 Jul 05 20:14	7°♋27'31	
desc. node	5940 Jul 06 16:55	7°♋00'09	
direct	5940 Jul 20 15:07	3°♋12'21	
greatest brilliancy	5940 Jul 30 11:49	4°♋58'54	-4.7m
	5940 Sep 04 04:20	0°♌	
morning max el	5940 Sep 07 10:34	3°♌04'08	45°43'18
	5940 Oct 03 16:11	0°♍	
asc. node	5940 Oct 27 18:05	26°♍56'19	
	5940 Oct 30 09:52	0°♎	
	5940 Nov 24 21:27	0°♏	
	5940 Dec 19 15:45	0°♐	
	5941 Jan 12 23:48	0°♑	
	5941 Feb 06 01:52	0°♒	
desc. node	5941 Feb 16 09:39	12°♒55'08	
	5941 Mar 02 00:29	0°♓	
morning set	5941 Mar 07 20:29	7°♓19'31	
	5941 Mar 25 21:25	0°♈	
superior conj	5941 Apr 17 20:24	28°♈50'49	-1°26'46
minimum elong	5941 Apr 17 23:01	28°♈59'01	1°26'47
	5941 Apr 18 18:27	0°♉	
max. Earth dist.	5941 Apr 20 19:01	2°♉32'22	1.71431 AU
	5941 May 12 17:27	0°♊	
evening rise	5941 May 28 00:43	19°♊04'19	
	5941 Jun 05 19:58	0°♋	
asc. node	5941 Jun 09 10:31	4°♋28'06	

	5941 Jun 30 03:03	0°♌	
	5941 Jul 24 15:36	0°♍	
	5941 Aug 18 11:19	0°♎	
	5941 Sep 12 17:35	0°♏	
desc. node	5941 Sep 29 02:24	19°♏02'17	
	5941 Oct 08 16:41	0°♐	
	5941 Nov 04 22:18	0°♑	
evening max el	5941 Nov 22 14:00	18°♑01'37	46°19'48
	5941 Dec 05 13:36	0°♒	
greatest brilliancy	5942 Jan 01 10:13	17°♒29'23	-4.9m
retrograde	5942 Jan 11 05:06	19°♒15'50	
asc. node	5942 Jan 20 03:28	17°♒39'05	
evening set	5942 Jan 25 14:08	15°♒11'39	
inferior conj	5942 Jan 31 19:25	11°♒33'09	2°58'24
minimum elong	5942 Jan 31 12:50	11°♒43'14	2°56'24
min. Earth dist.	5942 Jan 31 19:04	11°♒33'42	0.26787 AU
morning rise	5942 Feb 06 11:22	8°♒12'33	
direct	5942 Feb 21 10:33	3°♒48'17	
greatest brilliancy	5942 Mar 03 12:09	5°♒43'31	-4.9m
	5942 Apr 06 01:40	0°♓	
morning max el	5942 Apr 12 22:38	6°♓45'05	46°57'09
	5942 May 04 19:07	0°♈	
desc. node	5942 May 11 19:24	7°♈51'02	
	5942 May 31 02:00	0°♉	
	5942 Jun 25 12:17	0°♊	
	5942 Jul 20 13:50	0°♋	
	5942 Aug 14 10:37	0°♌	
asc. node	5942 Sep 01 20:12	22°♌19'49	
	5942 Sep 08 03:17	0°♍	
	5942 Oct 02 15:34	0°♎	
morning set	5942 Oct 11 16:34	11°♎07'21	
	5942 Oct 26 23:48	0°♏	
max. Earth dist.	5942 Nov 14 18:43	23°♏15'50	1.72677 AU
superior conj	5942 Nov 17 09:53	26°♏31'40	1°11'31
minimum elong	5942 Nov 17 18:50	26°♏59'27	1°11'18
	5942 Nov 20 05:03	0°♐	
	5942 Dec 14 08:25	0°♑	
desc. node	5942 Dec 22 11:54	10°♑08'14	
evening rise	5942 Dec 25 19:52	14°♑17'09	
	5943 Jan 07 10:30	0°♒	
	5943 Jan 31 11:40	0°♓	
	5943 Feb 24 13:01	0°♈	
	5943 Mar 20 17:11	0°♉	
	5943 Apr 14 04:41	0°♊	
asc. node	5943 Apr 14 12:50	0°♊24'43	
	5943 May 09 06:21	0°♋	
	5943 Jun 04 10:49	0°♌	
evening max el	5943 Jun 29 22:13	26°♌45'50	45°51'15
	5943 Jul 03 06:43	0°♍	
desc. node	5943 Aug 04 04:52	24°♍00'45	
greatest brilliancy	5943 Aug 07 05:38	25°♍16'42	-4.7m
retrograde	5943 Aug 18 01:02	27°♍23'42	
evening set	5943 Sep 03 16:30	22°♍07'59	
inferior conj	5943 Sep 08 14:45	19°♍06'47	-7°08'47
minimum elong	5943 Sep 08 05:32	19°♍21'17	7°07'18
min. Earth dist.	5943 Sep 08 07:13	19°♍18'38	0.29113 AU
morning rise	5943 Sep 12 18:37	16°♍32'27	
direct	5943 Sep 30 04:33	10°♍50'02	
greatest brilliancy	5943 Oct 10 10:01	12°♍42'46	-4.7m
	5943 Nov 06 02:40	0°♎	
morning max el	5943 Nov 18 05:55	11°♎09'55	45°56'15
asc. node	5943 Nov 25 05:46	18°♎08'31	
	5943 Dec 06 12:36	0°♏	
	5944 Jan 02 03:33	0°♐	
	5944 Jan 27 09:17	0°♑	
	5944 Feb 20 23:14	0°♒	
desc. node	5944 Mar 15 21:36	29°♒36'39	
	5944 Mar 16 05:07	0°♓	
	5944 Apr 09 06:56	0°♈	
	5944 May 03 07:26	0°♉	
morning set	5944 May 22 14:01	24°♉02'43	
	5944 May 27 08:46	0°♊	
	5944 Jun 20 12:19	0°♋	
superior conj	5944 Jun 30 03:54	11°♋57'06	-0°16'15
minimum elong	5944 Jun 30 07:34	12°♋08'27	0°16'06
max. Earth dist.	5944 Jul 02 22:16	15°♋22'19	1.72806 AU
asc. node	5944 Jul 06 22:24	20°♋19'27	
	5944 Jul 14 18:23	0°♌	
evening rise	5944 Aug 06 13:26	28°♌05'21	
	5944 Aug 08 02:43	0°♍	
	5944 Sep 01 13:19	0°♎	
	5944 Sep 26 03:01	0°♏	
	5944 Oct 20 21:12	0°♐	
desc. node	5944 Oct 26 14:11	6°♐52'39	
	5944 Nov 14 21:21	0°♑	
	5944 Dec 10 05:53	0°♒	
	5945 Jan 05 05:53	0°♓	
	5945 Feb 01 22:04	0°♈	
evening max el	5945 Feb 03 07:29	1°♈24'51	47°04'48
asc. node	5945 Feb 16 15:20	14°♈12'45	
	5945 Mar 09 20:35	0°♉	
greatest brilliancy	5945 Mar 16 03:01	2°♉51'29	-4.9m
retrograde	5945 Mar 26 01:11	4°♉44'36	
	5945 Apr 10 13:07	30°℞♈	
evening set	5945 Apr 13 05:22	28°♈25'54	
inferior conj	5945 Apr 15 19:47	26°♈50'01	9°04'32
minimum elong	5945 Apr 15 21:34	26°♈47'15	9°04'29
min. Earth dist.	5945 Apr 15 12:49	27°♈00'47	0.27258 AU
morning rise	5945 Apr 18 13:50	25°♈08'41	
direct	5945 May 06 10:27	19°♈01'30	
greatest brilliancy	5945 May 15 21:13	20°♈41'42	-4.9m
	5945 Jun 01 15:27	0°♉	
desc. node	5945 Jun 08 07:07	5°♉11'11	
morning max el	5945 Jun 25 04:45	20°♉34'09	46°18'57
	5945 Jul 04 13:18	0°♊	
	5945 Aug 01 06:32	0°♋	
	5945 Aug 27 12:39	0°♌	
	5945 Sep 22 00:57	0°♍	
asc. node	5945 Sep 29 08:06	8°♍42'16	
	5945 Oct 17 00:45	0°♎	
	5945 Nov 10 14:55	0°♏	
	5945 Dec 04 22:08	0°♐	
morning set	5945 Dec 20 09:14	19°♐13'01	
	5945 Dec 29 00:48	0°♑	
desc. node	5946 Jan 18 23:49	26°♑12'19	
	5946 Jan 22 00:31	0°♒	
max. Earth dist.	5946 Jan 26 17:24	5°♒53'48	1.71446 AU
superior conj	5946 Jan 28 23:36	8°♒43'47	-0°23'55
minimum elong	5946 Jan 28 17:38	8°♒25'03	0°23'36
	5946 Feb 14 22:14	0°♓	
evening rise	5946 Mar 10 14:30	29°♓45'42	
	5946 Mar 10 19:04	0°♈	
	5946 Apr 03 16:49	0°♉	
	5946 Apr 27 17:56	0°♊	
asc. node	5946 May 12 00:40	17°♊40'51	
	5946 May 22 01:04	0°♋	
	5946 Jun 15 17:15	0°♌	
	5946 Jul 10 23:05	0°♍	
	5946 Aug 06 04:23	0°♎	
desc. node	5946 Aug 31 16:38	27°♎11'38	
	5946 Sep 03 12:00	0°♏	

evening max el	5946 Sep 08	18:58	5°♏09'04	45°36'42	
	5946 Oct 10	14:05	0°♐		
greatest brilliancy	5946 Oct 18	00:12	3°♐11'55	-4.7m	
retrograde	5946 Oct 27	11:34	4°♐49'22		
	5946 Nov 12	08:14	30°℞♏		
evening set	5946 Nov 13	15:12	29°♏15'30		
inferior conj	5946 Nov 17	16:01	26°♏48'09	-7°18'02	
minimum elong	5946 Nov 18	01:24	26°♏33'36	7°16'29	
min. Earth dist.	5946 Nov 18	13:37	26°♏14'39	0.28357 AU	
morning rise	5946 Nov 22	11:12	23°♏53'21		
direct	5946 Dec 08	23:50	18°♏36'45		
greatest brilliancy	5946 Dec 20	04:46	20°♏56'35	-4.8m	
asc. node	5946 Dec 22	17:39	22°♏02'20		
	5947 Jan 04	15:21	0°♐		
morning max el	5947 Jan 28	09:14	21°♐16'28	46°41'05	
	5947 Feb 05	19:30	0°♑		
	5947 Mar 04	16:58	0°♒		
	5947 Mar 30	02:28	0°♓		
desc. node	5947 Apr 13	09:29	17°♓15'18		
	5947 Apr 23	20:44	0°♈		
	5947 May 18	08:15	0°♉		
	5947 Jun 11	17:32	0°♊		
	5947 Jul 06	02:49	0°♋		
	5947 Jul 30	12:32	0°♌		
morning set	5947 Aug 02	02:09	3°♌09'19		
asc. node	5947 Aug 04	10:19	6°♌01'53		
	5947 Aug 23	22:05	0°♍		
superior conj	5947 Sep 07	23:43	18°♍32'38	1°10'37	
minimum elong	5947 Sep 07	15:10	18°♍06'21	1°10'23	
max. Earth dist.	5947 Sep 07	11:12	17°♍54'06	1.73421 AU	
	5947 Sep 17	06:54	0°♎		
	5947 Oct 11	15:10	0°♏		
evening rise	5947 Oct 14	03:56	3°♏07'13		
	5947 Nov 04	23:37	0°♐		
desc. node	5947 Nov 24	02:02	23°♐30'20		
	5947 Nov 29	08:49	0°♑		
	5947 Dec 23	19:01	0°♒		
	5948 Jan 17	06:55	0°♓		
	5948 Feb 10	23:33	0°♈		
	5948 Mar 07	04:39	0°♉		
asc. node	5948 Mar 16	02:59	10°♉21'09		
	5948 Apr 02	16:25	0°♊		
evening max el	5948 Apr 16	17:01	14°♊42'19	46°46'12	
	5948 May 03	01:59	0°♋		
greatest brilliancy	5948 May 26	02:58	14°♋58'02	-4.8m	
retrograde	5948 Jun 05	22:59	17°♋08'20		
evening set	5948 Jun 21	03:55	12°♋34'29		
inferior conj	5948 Jun 27	02:31	8°♋59'47	2°07'12	
minimum elong	5948 Jun 27	07:12	8°♋52'29	2°05'47	
min. Earth dist.	5948 Jun 26	19:43	9°♋10'23	0.28095 AU	
morning rise	5948 Jul 03	11:10	5°♋13'09		
desc. node	5948 Jul 05	18:58	4°♋02'18		
direct	5948 Jul 18	06:25	0°♋58'22		
greatest brilliancy	5948 Jul 28	01:52	2°♋44'00	-4.7m	
	5948 Sep 04	03:58	0°♌		
morning max el	5948 Sep 05	01:51	0°♌52'01	45°43'34	
	5948 Oct 03	08:13	0°♍		
asc. node	5948 Oct 26	19:59	26°♍22'26		
	5948 Oct 29	23:22	0°♎		
	5948 Nov 24	09:47	0°♏		
	5948 Dec 19	03:30	0°♐		
	5949 Jan 12	11:14	0°♑		
	5949 Feb 05	13:07	0°♒		
desc. node	5949 Feb 15	11:38	12°♒26'10		
	5949 Mar 01	11:39	0°♓		
morning set	5949 Mar 05	06:24	4°♓44'57		
	5949 Mar 25	08:32	0°♈		
superior conj	5949 Apr 15	07:35	26°♈20'34	-1°27'08	
minimum elong	5949 Apr 15	09:09	26°♈25'29	1°27'08	
max. Earth dist.	5949 Apr 18	04:03	29°♈55'27	1.71391 AU	
	5949 Apr 18	05:30	0°♉		
	5949 May 12	04:27	0°♊		
evening rise	5949 May 25	13:35	16°♊40'49		
	5949 Jun 05	06:58	0°♋		
asc. node	5949 Jun 08	12:36	4°♋00'30		
	5949 Jun 29	14:08	0°♌		
	5949 Jul 24	02:56	0°♍		
	5949 Aug 17	23:09	0°♎		
	5949 Sep 12	06:21	0°♏		
desc. node	5949 Sep 28	04:16	18°♏28'11		
	5949 Oct 08	07:13	0°♐		
	5949 Nov 04	16:46	0°♑		
evening max el	5949 Nov 20	03:16	15°♑39'54	46°17'40	
	5949 Dec 05	22:19	0°♒		
greatest brilliancy	5949 Dec 29	23:59	15°♒04'44	-4.8m	
retrograde	5950 Jan 08	16:50	16°♒49'38		
asc. node	5950 Jan 19	05:30	14°♒36'33		
evening set	5950 Jan 23	01:59	12°♒46'40		
inferior conj	5950 Jan 29	08:08	9°♒07'14	2°35'17	
minimum elong	5950 Jan 29	02:20	9°♒16'07	2°33'29	
min. Earth dist.	5950 Jan 29	09:25	9°♒05'15	0.26804 AU	
morning rise	5950 Feb 04	02:22	5°♒43'06		
direct	5950 Feb 18	23:05	1°♒21'45		
greatest brilliancy	5950 Mar 01	03:17	3°♒18'53	-4.9m	
	5950 Apr 06	03:16	0°♓		
morning max el	5950 Apr 10	10:49	4°♓16'53	46°57'40	
	5950 May 04	12:21	0°♈		
desc. node	5950 May 10	21:26	7°♈10'47		
	5950 May 30	16:19	0°♉		
	5950 Jun 25	01:07	0°♊		
	5950 Jul 20	01:46	0°♋		
	5950 Aug 13	21:58	0°♌		
asc. node	5950 Aug 31	22:10	21°♌52'06		
	5950 Sep 07	14:16	0°♍		
	5950 Oct 02	02:22	0°♎		
morning set	5950 Oct 09	10:04	9°♎00'19		
	5950 Oct 26	10:32	0°♏		
max. Earth dist.	5950 Nov 12	11:26	21°♏05'33	1.72724 AU	
superior conj	5950 Nov 15	02:21	24°♏20'32	1°13'18	
minimum elong	5950 Nov 15	10:58	24°♏47'14	1°13'07	
	5950 Nov 19	15:50	0°♐		
	5950 Dec 13	19:20	0°♑		
desc. node	5950 Dec 21	14:02	9°♑40'43		
evening rise	5950 Dec 23	09:47	11°♑56'50		
	5951 Jan 06	21:35	0°♒		
	5951 Jan 30	22:58	0°♓		
	5951 Feb 24	00:33	0°♈		
	5951 Mar 20	05:06	0°♉		
asc. node	5951 Apr 13	14:47	29°♉52'39		
	5951 Apr 13	17:13	0°♊		
	5951 May 08	20:01	0°♋		
	5951 Jun 04	02:57	0°♌		
evening max el	5951 Jun 27	13:02	24°♌31'17	45°52'52	
	5951 Jul 03	06:30	0°♍		
desc. node	5951 Aug 03	06:55	22°♍28'47		
greatest brilliancy	5951 Aug 04	21:13	23°♍07'02	-4.7m	
retrograde	5951 Aug 15	17:28	25°♍15'29		
evening set	5951 Sep 01	05:59	20°♍03'45		
inferior conj	5951 Sep 06	07:18	16°♍58'26	-6°57'39	
minimum elong	5951 Sep 05	21:50	17°♍13'19	6°56'01	
min. Earth dist.	5951 Sep 05	23:11	17°♍11'11	0.29097 AU	

morning rise	5951 Sep 10 13:43	14°♍20'30	
direct	5951 Sep 27 20:25	8°♍41'51	
greatest brilliancy	5951 Oct 08 02:19	10°♍34'49	-4.7m
	5951 Nov 06 06:08	0°♎	
morning max el	5951 Nov 15 21:12	8°♎57'27	45°55'02
asc. node	5951 Nov 24 07:55	17°♎24'37	
	5951 Dec 06 05:22	0°♏	
	5952 Jan 01 17:25	0°♐	
	5952 Jan 26 21:54	0°♑	
	5952 Feb 20 11:13	0°♒	
desc. node	5952 Mar 14 23:33	29°♒06'43	
	5952 Mar 15 16:42	0°♓	
	5952 Apr 08 18:13	0°♈	
	5952 May 02 18:29	0°♉	
morning set	5952 May 20 03:19	21°♉40'28	
	5952 May 26 19:39	0°♊	
	5952 Jun 19 23:06	0°♋	
superior conj	5952 Jun 27 19:10	9°♋42'34	-0°19'40
minimum elong	5952 Jun 27 23:36	9°♋56'16	0°19'29
max. Earth dist.	5952 Jun 30 13:36	13°♋08'08	1.72762 AU
asc. node	5952 Jul 06 00:26	19°♋52'38	
	5952 Jul 14 05:06	0°♌	
evening rise	5952 Aug 04 07:02	25°♌58'54	
	5952 Aug 07 13:27	0°♍	
	5952 Sep 01 00:09	0°♎	
	5952 Sep 25 14:08	0°♏	
	5952 Oct 20 08:49	0°♐	
desc. node	5952 Oct 25 16:15	6°♐23'31	
	5952 Nov 14 09:47	0°♑	
	5952 Dec 09 19:39	0°♒	
	5953 Jan 04 22:09	0°♓	
evening max el	5953 Jan 31 21:21	29°♓01'16	47°04'05
	5953 Feb 01 20:41	0°♈	
asc. node	5953 Feb 15 17:15	13°♈08'38	
	5953 Mar 12 13:32	0°♉	
greatest brilliancy	5953 Mar 13 15:57	0°♉25'14	-4.9m
retrograde	5953 Mar 23 14:58	2°♉19'13	
	5953 Apr 03 05:48	30°℞♈	
evening set	5953 Apr 10 18:23	26°♈00'37	
inferior conj	5953 Apr 13 08:50	24°♈24'54	9°06'13
minimum elong	5953 Apr 13 09:40	24°♈23'37	9°06'11
min. Earth dist.	5953 Apr 13 01:09	24°♈36'46	0.27231 AU
morning rise	5953 Apr 16 01:02	22°♈46'39	
direct	5953 May 03 23:28	16°♈36'44	
greatest brilliancy	5953 May 13 09:24	18°♈16'50	-4.9m
	5953 Jun 02 08:31	0°♉	
desc. node	5953 Jun 07 09:14	4°♉05'24	
morning max el	5953 Jun 22 19:26	18°♉16'08	46°20'38
	5953 Jul 04 08:52	0°♊	
	5953 Jul 31 21:28	0°♋	
	5953 Aug 27 01:34	0°♌	
	5953 Sep 21 12:46	0°♍	
asc. node	5953 Sep 28 10:02	8°♍13'15	
	5953 Oct 16 11:57	0°♎	
	5953 Nov 10 01:47	0°♏	
	5953 Dec 04 08:52	0°♐	
morning set	5953 Dec 18 00:09	16°♐56'47	
	5953 Dec 28 11:30	0°♑	
desc. node	5954 Jan 18 01:47	25°♑44'54	
	5954 Jan 21 11:15	0°♒	
max. Earth dist.	5954 Jan 24 05:06	3°♒26'16	1.71483 AU
superior conj	5954 Jan 26 11:23	6°♒16'25	-0°20'11
minimum elong	5954 Jan 26 06:19	6°♒00'32	0°19'54
	5954 Feb 14 09:03	0°♓	
evening rise	5954 Mar 08 01:17	27°♓14'30	
	5954 Mar 10 05:58	0°♈	
	5954 Apr 03 03:50	0°♉	
	5954 Apr 27 05:06	0°♊	
asc. node	5954 May 11 02:46	17°♊12'29	
	5954 May 21 12:30	0°♋	
	5954 Jun 15 05:10	0°♌	
	5954 Jul 10 12:00	0°♍	
	5954 Aug 05 19:25	0°♎	
desc. node	5954 Aug 30 18:33	26°♎26'46	
	5954 Sep 03 08:48	0°♏	
evening max el	5954 Sep 06 10:52	2°♏59'01	45°36'16
	5954 Oct 12 22:10	0°♐	
greatest brilliancy	5954 Oct 15 14:00	0°♐58'41	-4.7m
retrograde	5954 Oct 25 02:27	2°♐36'37	
	5954 Nov 05 14:50	30°℞♏	
evening set	5954 Nov 11 09:03	26°♏58'35	
inferior conj	5954 Nov 15 07:16	24°♏34'40	-7°28'47
minimum elong	5954 Nov 15 16:16	24°♏20'40	7°27'23
min. Earth dist.	5954 Nov 16 04:01	24°♏02'24	0.28415 AU
morning rise	5954 Nov 19 23:11	21°♏44'21	
direct	5954 Dec 06 16:09	16°♏22'51	
greatest brilliancy	5954 Dec 17 19:29	18°♏41'09	-4.8m
asc. node	5954 Dec 21 19:36	20°♏29'28	
	5955 Jan 05 05:16	0°♐	
morning max el	5955 Jan 26 00:20	18°♐59'14	46°39'32
	5955 Feb 05 14:17	0°♑	
	5955 Mar 04 07:44	0°♒	
	5955 Mar 29 15:33	0°♓	
desc. node	5955 Apr 12 11:31	16°♓43'25	
	5955 Apr 23 08:55	0°♈	
	5955 May 17 19:53	0°♉	
	5955 Jun 11 04:44	0°♊	
	5955 Jul 05 13:41	0°♋	
	5955 Jul 29 23:10	0°♌	
morning set	5955 Jul 30 19:00	1°♌00'59	
asc. node	5955 Aug 03 12:12	5°♌35'07	
	5955 Aug 23 08:36	0°♍	
superior conj	5955 Sep 05 17:33	16°♍27'31	1°08'46
minimum elong	5955 Sep 05 08:47	16°♍00'32	1°08'30
max. Earth dist.	5955 Sep 05 07:55	15°♍57'49	1.73420 AU
	5955 Sep 16 17:24	0°♎	
	5955 Oct 11 01:46	0°♏	
evening rise	5955 Oct 11 21:24	1°♏00'30	
	5955 Nov 04 10:23	0°♐	
desc. node	5955 Nov 23 04:09	23°♐03'10	
	5955 Nov 28 19:51	0°♑	
	5955 Dec 23 06:26	0°♒	
	5956 Jan 16 18:55	0°♓	
	5956 Feb 10 12:26	0°♈	
	5956 Mar 06 19:07	0°♉	
asc. node	5956 Mar 15 04:56	9°♉42'47	
	5956 Apr 02 10:32	0°♊	
evening max el	5956 Apr 14 08:03	12°♊24'39	46°47'36
	5956 May 03 10:55	0°♋	
greatest brilliancy	5956 May 23 19:46	12°♋43'56	-4.8m
retrograde	5956 Jun 03 14:02	14°♋52'32	
evening set	5956 Jun 18 20:54	10°♋16'51	
inferior conj	5956 Jun 24 17:31	6°♋44'45	2°28'20
minimum elong	5956 Jun 24 22:55	6°♋36'19	2°26'41
min. Earth dist.	5956 Jun 24 11:21	6°♋54'24	0.28059 AU
morning rise	5956 Jul 01 01:35	2°♋58'37	
desc. node	5956 Jul 04 20:57	1°♋07'38	
	5956 Jul 07 21:37	30°℞♊	
direct	5956 Jul 15 21:05	28°♊44'03	
	5956 Jul 24 03:39	0°♋	
greatest brilliancy	5956 Jul 25 16:15	0°♋29'15	-4.8m

morning max el	5956 Sep 02 16:01	28°♋37'36	45°44'03
	5956 Sep 04 02:22	0°♌	
	5956 Oct 02 23:41	0°♍	
asc. node	5956 Oct 25 22:07	25°♍50'17	
	5956 Oct 29 12:25	0°♎	
	5956 Nov 23 21:43	0°♏	
	5956 Dec 18 14:51	0°♐	
	5957 Jan 11 22:16	0°♑	
	5957 Feb 04 24:00	0°♒	
desc. node	5957 Feb 14 13:36	11°♒58'27	
	5957 Feb 28 22:25	0°♓	
morning set	5957 Mar 02 16:51	2°♓13'13	
	5957 Mar 24 19:15	0°♈	
superior conj	5957 Apr 12 19:05	23°♈52'28	-1°27'18
minimum elong	5957 Apr 12 19:34	23°♈53'57	1°27'19
max. Earth dist.	5957 Apr 15 11:36	27°♈14'59	1.71359 AU
	5957 Apr 17 16:11	0°♉	
	5957 May 11 15:07	0°♊	
evening rise	5957 May 23 02:18	14°♊17'43	
	5957 Jun 04 17:42	0°♋	
asc. node	5957 Jun 07 14:37	3°♋33'26	
	5957 Jun 29 01:01	0°♌	
	5957 Jul 23 14:06	0°♍	
	5957 Aug 17 10:48	0°♎	
	5957 Sep 11 18:57	0°♏	
desc. node	5957 Sep 27 06:23	17°♏55'18	
	5957 Oct 07 21:39	0°♐	
	5957 Nov 04 11:23	0°♑	
evening max el	5957 Nov 17 15:49	13°♑17'30	46°15'43
	5957 Dec 06 09:32	0°♒	
greatest brilliancy	5957 Dec 27 13:47	12°♒41'23	-4.8m
retrograde	5958 Jan 06 04:59	14°♒25'16	
asc. node	5958 Jan 18 07:28	11°♒30'49	
evening set	5958 Jan 20 14:12	10°♒22'43	
inferior conj	5958 Jan 26 21:00	6°♒42'50	2°11'52
minimum elong	5958 Jan 26 16:02	6°♒50'27	2°10'19
min. Earth dist.	5958 Jan 26 23:55	6°♒38'22	0.26824 AU
morning rise	5958 Feb 01 17:24	3°♒15'40	
	5958 Feb 09 07:22	30°℞♑	
direct	5958 Feb 16 11:41	28°♑56'34	
	5958 Feb 23 21:36	0°♒	
greatest brilliancy	5958 Feb 26 18:40	0°♒56'05	-4.9m
	5958 Apr 06 03:05	0°♓	
morning max el	5958 Apr 07 23:40	1°♓51'37	46°58'17
	5958 May 04 04:47	0°♈	
desc. node	5958 May 09 23:33	6°♈32'24	
	5958 May 30 06:05	0°♉	
	5958 Jun 24 13:33	0°♊	
	5958 Jul 19 13:25	0°♋	
	5958 Aug 13 09:08	0°♌	
asc. node	5958 Aug 31 00:10	21°♌25'00	
	5958 Sep 07 01:06	0°♍	
	5958 Oct 01 13:00	0°♎	
morning set	5958 Oct 07 03:15	6°♎52'51	
	5958 Oct 25 21:05	0°♏	
max. Earth dist.	5958 Nov 10 06:10	19°♏02'02	1.72765 AU
superior conj	5958 Nov 12 18:39	22°♏09'27	1°15'00
minimum elong	5958 Nov 13 02:51	22°♏34'54	1°14'49
	5958 Nov 19 02:25	0°♐	
	5958 Dec 13 06:03	0°♑	
evening rise	5958 Dec 20 23:45	9°♑37'28	
desc. node	5958 Dec 20 15:57	9°♑13'13	
	5959 Jan 06 08:30	0°♒	
	5959 Jan 30 10:04	0°♓	
	5959 Feb 23 11:55	0°♈	
	5959 Mar 19 16:49	0°♉	
asc. node	5959 Apr 12 16:56	29°♉21'47	
	5959 Apr 13 05:33	0°♊	
	5959 May 08 09:32	0°♋	
	5959 Jun 03 19:06	0°♌	
evening max el	5959 Jun 25 04:10	22°♌18'04	45°54'20
	5959 Jul 03 07:18	0°♍	
desc. node	5959 Aug 02 08:51	20°♍53'20	
greatest brilliancy	5959 Aug 02 12:08	20°♍56'28	-4.7m
retrograde	5959 Aug 13 10:11	23°♍06'47	
evening set	5959 Aug 29 19:16	17°♍58'51	
inferior conj	5959 Sep 03 23:36	14°♍49'25	-6°45'40
minimum elong	5959 Sep 03 13:56	15°♍04'34	6°43'55
min. Earth dist.	5959 Sep 03 14:41	15°♍03'24	0.29083 AU
morning rise	5959 Sep 08 08:41	12°♍07'51	
direct	5959 Sep 25 12:25	6°♍32'59	
greatest brilliancy	5959 Oct 05 18:07	8°♍25'58	-4.7m
	5959 Nov 06 08:08	0°♎	
morning max el	5959 Nov 13 13:09	6°♎46'38	45°53'55
asc. node	5959 Nov 23 09:54	16°♎40'50	
	5959 Dec 05 21:49	0°♏	
	5960 Jan 01 07:05	0°♐	
	5960 Jan 26 10:22	0°♑	
	5960 Feb 19 23:04	0°♒	
desc. node	5960 Mar 14 01:34	28°♒37'21	
	5960 Mar 15 04:08	0°♓	
	5960 Apr 08 05:22	0°♈	
	5960 May 02 05:26	0°♉	
morning set	5960 May 17 16:45	19°♉18'54	
	5960 May 26 06:27	0°♊	
	5960 Jun 19 09:46	0°♋	
superior conj	5960 Jun 25 10:33	7°♋28'39	-0°23'03
minimum elong	5960 Jun 25 15:43	7°♋44'39	0°22'49
max. Earth dist.	5960 Jun 28 07:09	11°♋01'01	1.72720 AU
asc. node	5960 Jul 05 02:21	19°♋25'44	
	5960 Jul 13 15:44	0°♌	
evening rise	5960 Aug 02 00:45	23°♌53'01	
	5960 Aug 07 00:07	0°♍	
	5960 Aug 31 11:00	0°♎	
	5960 Sep 25 01:19	0°♏	
	5960 Oct 19 20:33	0°♐	
desc. node	5960 Oct 24 18:18	5°♐53'58	
	5960 Nov 13 22:22	0°♑	
	5960 Dec 09 09:37	0°♒	
	5961 Jan 04 14:44	0°♓	
evening max el	5961 Jan 29 11:55	26°♓39'27	47°03'23
	5961 Feb 01 20:18	0°♈	
asc. node	5961 Feb 14 19:16	12°♈03'02	
greatest brilliancy	5961 Mar 11 04:34	27°♈58'42	-4.9m
retrograde	5961 Mar 21 04:57	29°♈53'35	
evening set	5961 Apr 08 06:53	23°♈36'04	
inferior conj	5961 Apr 10 21:53	21°♈59'32	9°06'51
minimum elong	5961 Apr 10 21:47	21°♈59'42	9°06'50
min. Earth dist.	5961 Apr 10 13:13	22°♈12'54	0.27202 AU
morning rise	5961 Apr 13 12:46	20°♈23'24	
direct	5961 May 01 12:49	14°♈11'57	
greatest brilliancy	5961 May 10 21:09	15°♈51'10	-4.9m
	5961 Jun 02 21:19	0°♉	
desc. node	5961 Jun 06 11:08	3°♉00'45	
morning max el	5961 Jun 20 10:04	15°♉57'50	46°22'21
	5961 Jul 04 03:54	0°♊	
	5961 Jul 31 12:12	0°♋	
	5961 Aug 26 14:25	0°♌	
	5961 Sep 21 00:38	0°♍	
asc. node	5961 Sep 27 12:09	7°♍44'34	
	5961 Oct 15 23:16	0°♎	

	5961 Nov 09 12:51	0°♏	
	5961 Dec 03 19:49	0°♐	
morning set	5961 Dec 15 14:54	14°♐39'20	
	5961 Dec 27 22:26	0°♑	
desc. node	5962 Jan 17 03:45	25°♑16'52	
	5962 Jan 20 22:11	0°♒	
max. Earth dist.	5962 Jan 21 14:29	0°♒51'03	1.71515 AU
superior conj	5962 Jan 23 23:01	3°♒48'09	-0°16'24
minimum elong	5962 Jan 23 18:53	3°♒35'13	0°16'10
behind sun begin	5962 Jan 23 16:32	3°♒27'50	
behind sun end	5962 Jan 23 21:15	3°♒42'36	
	5962 Feb 13 20:02	0°♓	
evening rise	5962 Mar 05 11:58	24°♓42'29	
	5962 Mar 09 17:02	0°♈	
	5962 Apr 02 15:02	0°♉	
	5962 Apr 26 16:28	0°♊	
asc. node	5962 May 10 04:44	16°♊43'06	
	5962 May 21 00:09	0°♋	
	5962 Jun 14 17:20	0°♌	
	5962 Jul 10 01:11	0°♍	
	5962 Aug 05 10:51	0°♎	
desc. node	5962 Aug 29 20:39	25°♎41'08	
	5962 Sep 03 06:37	0°♏	
evening max el	5962 Sep 04 02:03	0°♏46'37	45°35'42
greatest brilliancy	5962 Oct 13 04:11	28°♏45'06	-4.7m
	5962 Oct 18 04:06	0°♐	
retrograde	5962 Oct 22 16:45	0°♐22'59	
	5962 Oct 27 02:53	30°℞♏	
evening set	5962 Nov 09 02:45	24°♏40'56	
inferior conj	5962 Nov 12 22:29	22°♏20'20	-7°38'46
minimum elong	5962 Nov 13 07:04	22°♏06'56	7°37'30
min. Earth dist.	5962 Nov 13 18:38	21°♏48'54	0.28475 AU
morning rise	5962 Nov 17 11:06	19°♏34'24	
direct	5962 Dec 04 08:03	14°♏07'55	
greatest brilliancy	5962 Dec 15 10:34	16°♏24'56	-4.8m
asc. node	5962 Dec 20 21:34	18°♏58'29	
	5963 Jan 05 16:11	0°♐	
morning max el	5963 Jan 23 14:34	16°♐38'29	46°38'00
	5963 Feb 05 09:02	0°♑	
	5963 Mar 03 22:41	0°♒	
	5963 Mar 29 04:52	0°♓	
desc. node	5963 Apr 11 13:38	16°♓11'04	
	5963 Apr 22 21:20	0°♈	
	5963 May 17 07:43	0°♉	
	5963 Jun 10 16:10	0°♊	
	5963 Jul 05 00:49	0°♋	
morning set	5963 Jul 28 12:00	28°♋52'08	
	5963 Jul 29 10:05	0°♌	
asc. node	5963 Aug 02 14:16	5°♌08'01	
	5963 Aug 22 19:23	0°♍	
superior conj	5963 Sep 03 11:39	14°♍22'19	1°06'49
minimum elong	5963 Sep 03 02:43	13°♍54'49	1°06'32
max. Earth dist.	5963 Sep 03 03:27	13°♍57'05	1.73417 AU
	5963 Sep 16 04:11	0°♎	
evening rise	5963 Oct 09 15:06	28°♎53'42	
	5963 Oct 10 12:38	0°♏	
	5963 Nov 03 21:28	0°♐	
desc. node	5963 Nov 22 06:06	22°♐34'18	
	5963 Nov 28 07:17	0°♑	
	5963 Dec 22 18:19	0°♒	
	5964 Jan 16 07:26	0°♓	
	5964 Feb 10 01:53	0°♈	
	5964 Mar 06 10:14	0°♉	
asc. node	5964 Mar 14 07:04	9°♉03'14	
	5964 Apr 02 05:34	0°♊	
evening max el	5964 Apr 11 21:57	10°♊02'50	46°49'12
	5964 May 03 23:36	0°♋	
greatest brilliancy	5964 May 21 12:47	10°♋28'56	-4.8m
retrograde	5964 Jun 01 04:48	12°♋35'52	
evening set	5964 Jun 16 14:02	7°♋57'51	
inferior conj	5964 Jun 22 08:33	4°♋28'46	2°49'12
minimum elong	5964 Jun 22 14:39	4°♋19'14	2°47'21
min. Earth dist.	5964 Jun 22 03:12	4°♋37'09	0.28022 AU
morning rise	5964 Jun 28 15:50	0°♋43'22	
	5964 Jun 30 00:59	30°℞♊	
desc. node	5964 Jul 03 22:58	28°♊16'13	
direct	5964 Jul 13 11:22	26°♊28'33	
greatest brilliancy	5964 Jul 23 07:08	28°♊13'58	-4.8m
	5964 Jul 27 15:41	0°♋	
morning max el	5964 Aug 31 05:58	26°♋21'33	45°44'43
	5964 Sep 04 00:17	0°♌	
	5964 Oct 02 15:16	0°♍	
asc. node	5964 Oct 25 00:04	25°♍16'57	
	5964 Oct 29 01:42	0°♎	
	5964 Nov 23 09:56	0°♏	
	5964 Dec 18 02:32	0°♐	
	5965 Jan 11 09:41	0°♑	
	5965 Feb 04 11:18	0°♒	
desc. node	5965 Feb 13 15:42	11°♒29'43	
morning set	5965 Feb 28 02:47	29°♒38'25	
	5965 Feb 28 09:40	0°♓	
	5965 Mar 24 06:26	0°♈	
superior conj	5965 Apr 10 06:02	21°♈21'11	-1°27'17
minimum elong	5965 Apr 10 05:25	21°♈19'14	1°27'19
max. Earth dist.	5965 Apr 12 15:10	24°♈20'34	1.71324 AU
	5965 Apr 17 03:18	0°♉	
	5965 May 11 02:13	0°♊	
evening rise	5965 May 20 14:36	11°♊52'00	
	5965 Jun 04 04:49	0°♋	
asc. node	5965 Jun 06 16:31	3°♋04'55	
	5965 Jun 28 12:17	0°♌	
	5965 Jul 23 01:38	0°♍	
	5965 Aug 16 22:53	0°♎	
	5965 Sep 11 08:00	0°♏	
desc. node	5965 Sep 26 08:25	17°♏21'01	
	5965 Oct 07 12:36	0°♐	
	5965 Nov 04 06:51	0°♑	
evening max el	5965 Nov 15 04:32	10°♑55'02	46°13'49
	5965 Dec 07 01:03	0°♒	
greatest brilliancy	5965 Dec 25 02:54	10°♒16'34	-4.8m
retrograde	5966 Jan 03 17:36	12°♒00'10	
asc. node	5966 Jan 17 09:29	8°♒19'39	
evening set	5966 Jan 18 02:38	7°♒57'25	
inferior conj	5966 Jan 24 09:50	4°♒17'20	1°48'13
minimum elong	5966 Jan 24 05:43	4°♒23'38	1°46'56
min. Earth dist.	5966 Jan 24 14:06	4°♒10'49	0.26853 AU
morning rise	5966 Jan 30 08:18	0°♒47'34	
	5966 Jan 31 20:34	30°℞♑	
direct	5966 Feb 14 00:42	26°♑30'07	
greatest brilliancy	5966 Feb 24 09:48	28°♑31'47	-4.9m
	5966 Feb 27 20:52	0°♒	
morning max el	5966 Apr 05 13:36	29°♒27'30	46°58'42
	5966 Apr 06 02:29	0°♓	
	5966 May 03 21:28	0°♈	
desc. node	5966 May 09 01:26	5°♈52'08	
	5966 May 29 20:13	0°♉	
	5966 Jun 24 02:21	0°♊	
	5966 Jul 19 01:24	0°♋	
	5966 Aug 12 20:35	0°♌	
asc. node	5966 Aug 30 02:13	20°♌57'11	
	5966 Sep 06 12:14	0°♍	

	5966 Sep 30 23:56	0°♎	
morning set	5966 Oct 04 20:42	4°♎45'15	
	5966 Oct 25 07:57	0°♏	
max. Earth dist.	5966 Nov 08 02:13	17°♏01'44	1.72802 AU
superior conj	5966 Nov 10 11:20	19°♏58'42	1°16'33
minimum elong	5966 Nov 10 19:05	20°♏22'43	1°16'24
	5966 Nov 18 13:18	0°♐	
	5966 Dec 12 17:03	0°♑	
evening rise	5966 Dec 18 14:11	7°♑18'46	
desc. node	5966 Dec 19 17:57	8°♑45'06	
	5967 Jan 05 19:40	0°♒	
	5967 Jan 29 21:28	0°♓	
	5967 Feb 22 23:36	0°♈	
	5967 Mar 19 04:56	0°♉	
asc. node	5967 Apr 11 18:50	28°♉48'50	
	5967 Apr 12 18:22	0°♊	
	5967 May 07 23:37	0°♋	
	5967 Jun 03 12:01	0°♌	
evening max el	5967 Jun 22 20:10	20°♌05'48	45°56'05
	5967 Jul 03 09:57	0°♍	
greatest brilliancy	5967 Jul 31 03:05	18°♍45'08	-4.7m
desc. node	5967 Aug 01 10:55	19°♍13'50	
retrograde	5967 Aug 11 03:16	20°♍57'12	
evening set	5967 Aug 27 08:44	15°♍53'10	
min. Earth dist.	5967 Sep 01 05:57	12°♍55'14	0.29062 AU
inferior conj	5967 Sep 01 15:55	12°♍39'38	-6°33'11
minimum elong	5967 Sep 01 06:07	12°♍54'58	6°31'20
morning rise	5967 Sep 06 03:40	9°♍54'27	
direct	5967 Sep 23 04:53	4°♍23'34	
greatest brilliancy	5967 Oct 03 09:16	6°♍15'49	-4.7m
	5967 Nov 06 09:02	0°♎	
morning max el	5967 Nov 11 05:33	4°♎36'31	45°52'49
asc. node	5967 Nov 22 11:49	15°♎56'54	
	5967 Dec 05 14:10	0°♏	
	5967 Dec 31 20:49	0°♐	
	5968 Jan 25 22:56	0°♑	
	5968 Feb 19 11:01	0°♒	
desc. node	5968 Mar 13 03:38	28°♒07'45	
	5968 Mar 14 15:42	0°♓	
	5968 Apr 07 16:41	0°♈	
	5968 May 01 16:35	0°♉	
morning set	5968 May 15 05:53	16°♉55'34	
	5968 May 25 17:29	0°♊	
	5968 Jun 18 20:42	0°♋	
superior conj	5968 Jun 23 01:28	5°♋12'20	-0°26'26
minimum elong	5968 Jun 23 07:21	5°♋30'36	0°26'11
max. Earth dist.	5968 Jun 26 01:07	8°♋54'19	1.72676 AU
asc. node	5968 Jul 04 04:26	18°♋58'32	
	5968 Jul 13 02:36	0°♌	
evening rise	5968 Jul 30 18:04	21°♌45'10	
	5968 Aug 06 10:59	0°♍	
	5968 Aug 30 22:02	0°♎	
	5968 Sep 24 12:41	0°♏	
	5968 Oct 19 08:28	0°♐	
desc. node	5968 Oct 23 20:12	5°♐23'34	
	5968 Nov 13 11:09	0°♑	
	5968 Dec 08 23:49	0°♒	
	5969 Jan 04 07:42	0°♓	
evening max el	5969 Jan 27 02:49	24°♓18'30	47°02'35
	5969 Feb 01 21:02	0°♈	
asc. node	5969 Feb 13 21:22	10°♈55'57	
greatest brilliancy	5969 Mar 08 17:35	25°♈32'57	-4.9m
retrograde	5969 Mar 18 18:49	27°♈28'03	
evening set	5969 Apr 05 18:53	21°♈12'56	
inferior conj	5969 Apr 08 11:02	19°♈34'32	9°06'27
minimum elong	5969 Apr 08 09:58	19°♈36'12	9°06'26
min. Earth dist.	5969 Apr 08 01:30	19°♈49'16	0.27173 AU
morning rise	5969 Apr 11 01:09	17°♈59'32	
direct	5969 Apr 29 02:20	11°♈47'40	
greatest brilliancy	5969 May 08 09:04	13°♈25'44	-4.9m
	5969 Jun 03 06:49	0°♉	
desc. node	5969 Jun 05 13:11	1°♉58'02	
morning max el	5969 Jun 17 23:59	13°♉37'28	46°23'49
	5969 Jul 03 22:31	0°♊	
	5969 Jul 31 02:53	0°♋	
	5969 Aug 26 03:17	0°♌	
	5969 Sep 20 12:30	0°♍	
asc. node	5969 Sep 26 14:05	7°♍15'17	
	5969 Oct 15 10:35	0°♎	
	5969 Nov 08 23:52	0°♏	
	5969 Dec 03 06:43	0°♐	
morning set	5969 Dec 13 05:44	12°♐22'27	
	5969 Dec 27 09:18	0°♑	
desc. node	5970 Jan 16 05:51	24°♑49'21	
max. Earth dist.	5970 Jan 18 21:56	28°♑09'59	1.71550 AU
	5970 Jan 20 09:05	0°♒	
superior conj	5970 Jan 21 10:59	1°♒21'10	-0°12'36
minimum elong	5970 Jan 21 07:49	1°♒11'13	0°12'26
behind sun begin	5970 Jan 20 15:15	0°♒19'19	
behind sun end	5970 Jan 22 00:23	2°♒03'07	
	5970 Feb 13 06:58	0°♓	
evening rise	5970 Mar 02 22:55	22°♓11'34	
	5970 Mar 09 04:02	0°♈	
	5970 Apr 02 02:07	0°♉	
	5970 Apr 26 03:42	0°♊	
asc. node	5970 May 09 06:42	16°♊14'05	
	5970 May 20 11:40	0°♋	
	5970 Jun 14 05:26	0°♌	
	5970 Jul 09 14:24	0°♍	
	5970 Aug 05 02:27	0°♎	
desc. node	5970 Aug 28 22:41	24°♎54'49	
evening max el	5970 Sep 01 16:33	28°♎32'46	45°35'17
	5970 Sep 03 05:14	0°♏	
greatest brilliancy	5970 Oct 10 19:00	26°♏32'49	-4.7m
retrograde	5970 Oct 20 07:04	28°♏10'28	
evening set	5970 Nov 06 20:27	22°♏24'31	
inferior conj	5970 Nov 10 13:54	20°♏07'10	-7°47'50
minimum elong	5970 Nov 10 22:00	19°♏54'31	7°46'45
min. Earth dist.	5970 Nov 11 09:41	19°♏36'16	0.28532 AU
morning rise	5970 Nov 14 23:14	17°♏25'40	
direct	5970 Dec 01 23:31	11°♏54'05	
greatest brilliancy	5970 Dec 13 02:14	14°♏10'31	-4.8m
asc. node	5970 Dec 19 23:40	17°♏31'35	
	5971 Jan 05 23:51	0°♐	
morning max el	5971 Jan 21 04:23	14°♐17'29	46°36'26
	5971 Feb 05 03:03	0°♑	
	5971 Mar 03 13:14	0°♒	
	5971 Mar 28 17:51	0°♓	
desc. node	5971 Apr 10 15:28	15°♓38'39	
	5971 Apr 22 09:27	0°♈	
	5971 May 16 19:16	0°♉	
	5971 Jun 10 03:18	0°♊	
	5971 Jul 04 11:39	0°♋	
morning set	5971 Jul 26 04:58	26°♋43'54	
	5971 Jul 28 20:44	0°♌	
asc. node	5971 Aug 01 16:18	4°♌41'34	
	5971 Aug 22 05:57	0°♍	
superior conj	5971 Sep 01 05:38	12°♍17'32	1°04'46
minimum elong	5971 Aug 31 20:35	11°♍49'41	1°04'28
max. Earth dist.	5971 Aug 31 21:23	11°♍52'09	1.73417 AU

	5971 Sep 15 14:45	0°♎	
evening rise	5971 Oct 07 08:43	26°♎47'20	
	5971 Oct 09 23:17	0°♏	
	5971 Nov 03 08:18	0°♐	
desc. node	5971 Nov 21 08:04	22°♐06'23	
	5971 Nov 27 18:26	0°♑	
	5971 Dec 22 05:56	0°♒	
	5972 Jan 15 19:42	0°♓	
	5972 Feb 09 15:09	0°♈	
	5972 Mar 06 01:16	0°♉	
asc. node	5972 Mar 13 09:00	8°♉23'35	
	5972 Apr 02 00:49	0°♊	
evening max el	5972 Apr 09 11:16	7°♊40'23	46°50'49
	5972 May 04 16:01	0°♋	
greatest brilliancy	5972 May 19 05:35	8°♋14'34	-4.8m
retrograde	5972 May 29 19:48	10°♋20'23	
evening set	5972 Jun 14 07:16	5°♋39'34	
inferior conj	5972 Jun 19 23:36	2°♋13'51	3°09'42
minimum elong	5972 Jun 20 06:21	2°♋03'18	3°07'43
min. Earth dist.	5972 Jun 19 19:02	2°♋20'59	0.27987 AU
	5972 Jun 23 14:41	30°℞♊	
morning rise	5972 Jun 26 05:55	28°♊29'40	
desc. node	5972 Jul 03 00:59	25°♊30'40	
direct	5972 Jul 11 01:18	24°♊14'00	
greatest brilliancy	5972 Jul 20 22:11	26°♊00'06	-4.8m
	5972 Jul 29 14:02	0°♋	
morning max el	5972 Aug 28 20:29	24°♋07'54	45°45'23
	5972 Sep 03 20:57	0°♌	
	5972 Oct 02 06:15	0°♍	
asc. node	5972 Oct 24 02:00	24°♍44'37	
	5972 Oct 28 14:34	0°♎	
	5972 Nov 22 21:47	0°♏	
	5972 Dec 17 13:50	0°♐	
	5973 Jan 10 20:43	0°♑	
	5973 Feb 03 22:12	0°♒	
desc. node	5973 Feb 12 17:39	11°♒01'49	
morning set	5973 Feb 25 12:51	27°♒05'14	
	5973 Feb 27 20:30	0°♓	
	5973 Mar 23 17:13	0°♈	
superior conj	5973 Apr 07 16:58	18°♈50'57	-1°27'07
minimum elong	5973 Apr 07 15:16	18°♈45'36	1°27'08
max. Earth dist.	5973 Apr 09 18:08	21°♈25'22	1.71298 AU
	5973 Apr 16 14:04	0°♉	
	5973 May 10 12:57	0°♊	
evening rise	5973 May 18 02:54	9°♊27'21	
	5973 Jun 03 15:36	0°♋	
asc. node	5973 Jun 05 18:38	2°♋38'06	
	5973 Jun 27 23:10	0°♌	
	5973 Jul 22 12:48	0°♍	
	5973 Aug 16 10:34	0°♎	
	5973 Sep 10 20:43	0°♏	
desc. node	5973 Sep 25 10:18	16°♏47'10	
	5973 Oct 07 03:24	0°♐	
	5973 Nov 04 02:34	0°♑	
evening max el	5973 Nov 12 18:16	8°♑36'12	46°11'57
	5973 Dec 07 21:15	0°♒	
greatest brilliancy	5973 Dec 22 15:38	7°♒52'32	-4.8m
retrograde	5974 Jan 01 06:43	9°♒36'16	
evening set	5974 Jan 15 15:22	5°♒33'06	
asc. node	5974 Jan 16 11:31	5°♒06'00	
inferior conj	5974 Jan 21 22:41	1°♒52'58	1°24'30
minimum elong	5974 Jan 21 19:26	1°♒57'55	1°23'28
min. Earth dist.	5974 Jan 22 03:59	1°♒44'53	0.26882 AU
	5974 Jan 25 01:25	30°℞♑	
morning rise	5974 Jan 27 23:01	28°♑20'58	
direct	5974 Feb 11 14:12	24°♑05'02	
greatest brilliancy	5974 Feb 22 00:18	26°♑08'08	-4.9m
	5974 Mar 01 22:48	0°♒	
morning max el	5974 Apr 03 04:20	27°♒06'47	46°58'57
	5974 Apr 06 00:25	0°♓	
	5974 May 03 13:24	0°♈	
desc. node	5974 May 08 03:29	5°♈14'01	
	5974 May 29 09:49	0°♉	
	5974 Jun 23 14:42	0°♊	
	5974 Jul 18 12:58	0°♋	
	5974 Aug 12 07:39	0°♌	
asc. node	5974 Aug 29 04:10	20°♌30'15	
	5974 Sep 05 22:56	0°♍	
	5974 Sep 30 10:27	0°♎	
morning set	5974 Oct 02 14:15	2°♎39'16	
	5974 Oct 24 18:25	0°♏	
max. Earth dist.	5974 Nov 05 21:53	15°♏01'27	1.72841 AU
superior conj	5974 Nov 08 04:02	17°♏49'07	1°17'59
minimum elong	5974 Nov 08 11:17	18°♏11'36	1°17'52
	5974 Nov 17 23:51	0°♐	
	5974 Dec 12 03:45	0°♑	
evening rise	5974 Dec 16 04:27	5°♑00'34	
desc. node	5974 Dec 18 20:04	8°♑18'18	
	5975 Jan 05 06:33	0°♒	
	5975 Jan 29 08:34	0°♓	
	5975 Feb 22 10:58	0°♈	
	5975 Mar 18 16:44	0°♉	
asc. node	5975 Apr 10 20:49	28°♉17'05	
	5975 Apr 12 06:53	0°♊	
	5975 May 07 13:28	0°♋	
	5975 Jun 03 04:53	0°♌	
evening max el	5975 Jun 20 12:51	17°♌56'09	45°57'46
	5975 Jul 03 13:49	0°♍	
greatest brilliancy	5975 Jul 28 18:30	16°♍35'15	-4.7m
desc. node	5975 Jul 31 12:57	17°♍31'41	
retrograde	5975 Aug 08 20:11	18°♍48'19	
evening set	5975 Aug 24 22:18	13°♍48'25	
inferior conj	5975 Aug 30 08:10	10°♍30'45	-6°20'10
minimum elong	5975 Aug 29 22:18	10°♍46'13	6°18'12
min. Earth dist.	5975 Aug 29 21:13	10°♍47'56	0.29036 AU
morning rise	5975 Sep 03 22:34	7°♍41'51	
direct	5975 Sep 20 21:30	2°♍15'21	
greatest brilliancy	5975 Sep 30 23:45	4°♍06'04	-4.7m
	5975 Nov 06 08:16	0°♎	
morning max el	5975 Nov 08 21:29	2°♎26'34	45°51'39
asc. node	5975 Nov 21 13:57	15°♎15'18	
	5975 Dec 05 05:51	0°♏	
	5975 Dec 31 10:07	0°♐	
	5976 Jan 25 11:11	0°♑	
	5976 Feb 18 22:41	0°♒	
desc. node	5976 Mar 12 05:34	27°♒38'32	
	5976 Mar 14 03:01	0°♓	
	5976 Apr 07 03:45	0°♈	
	5976 May 01 03:27	0°♉	
morning set	5976 May 12 18:43	14°♉32'12	
	5976 May 25 04:13	0°♊	
	5976 Jun 18 07:20	0°♋	
superior conj	5976 Jun 20 16:08	2°♋56'06	-0°29'48
minimum elong	5976 Jun 20 22:44	3°♋16'33	0°29'32
max. Earth dist.	5976 Jun 23 20:07	6°♋51'33	1.72631 AU
asc. node	5976 Jul 03 06:26	18°♋32'00	
	5976 Jul 12 13:11	0°♌	
evening rise	5976 Jul 28 11:13	19°♌37'34	
	5976 Aug 05 21:37	0°♍	
	5976 Aug 30 08:50	0°♎	
	5976 Sep 23 23:48	0°♏	

	5976 Oct 18 20:08	0°♐	
desc. node	5976 Oct 22 22:17	4°♐54'26	
	5976 Nov 12 23:43	0°♑	
	5976 Dec 08 13:55	0°♒	
	5977 Jan 04 00:50	0°♓	
evening max el	5977 Jan 24 17:06	21°♓56'12	47°01'28
	5977 Feb 01 23:01	0°♈	
asc. node	5977 Feb 12 23:16	9°♈46'38	
greatest brilliancy	5977 Mar 06 07:03	23°♈07'13	-4.9m
retrograde	5977 Mar 16 07:53	25°♈01'36	
evening set	5977 Apr 03 06:03	18°♈50'01	
inferior conj	5977 Apr 05 23:54	17°♈08'54	9°05'06
minimum elong	5977 Apr 05 21:51	17°♈12'04	9°05'01
min. Earth dist.	5977 Apr 05 13:55	17°♈24'21	0.27143 AU
morning rise	5977 Apr 08 13:47	15°♈34'07	
direct	5977 Apr 26 15:07	9°♈22'45	
greatest brilliancy	5977 May 05 21:14	11°♈00'05	-4.9m
	5977 Jun 03 13:40	0°♉	
desc. node	5977 Jun 04 15:16	0°♉57'05	
morning max el	5977 Jun 15 12:40	11°♉14'08	46°25'25
	5977 Jul 03 16:30	0°♊	
	5977 Jul 30 17:12	0°♋	
	5977 Aug 25 15:54	0°♌	
	5977 Sep 20 00:10	0°♍	
asc. node	5977 Sep 25 16:03	6°♍46'35	
	5977 Oct 14 21:44	0°♎	
	5977 Nov 08 10:44	0°♏	
	5977 Dec 02 17:27	0°♐	
morning set	5977 Dec 10 20:55	10°♐07'04	
	5977 Dec 26 20:00	0°♑	
desc. node	5978 Jan 15 07:48	24°♑21'52	
max. Earth dist.	5978 Jan 16 06:32	25°♑33'01	1.71591 AU
superior conj	5978 Jan 18 23:14	28°♑55'33	-0°08'50
minimum elong	5978 Jan 18 21:01	28°♑48'36	0°08'41
behind sun begin	5978 Jan 17 23:22	27°♑40'47	
behind sun end	5978 Jan 19 18:41	29°♑56'26	
	5978 Jan 19 19:49	0°♒	
	5978 Feb 12 17:48	0°♓	
evening rise	5978 Feb 28 09:50	19°♓40'43	
	5978 Mar 08 15:00	0°♈	
	5978 Apr 01 13:12	0°♉	
	5978 Apr 25 14:57	0°♊	
asc. node	5978 May 08 08:46	15°♊45'19	
	5978 May 19 23:14	0°♋	
	5978 Jun 13 17:35	0°♌	
	5978 Jul 09 03:43	0°♍	
	5978 Aug 04 18:19	0°♎	
desc. node	5978 Aug 28 00:36	24°♎07'30	
evening max el	5978 Aug 30 06:27	26°♎17'28	45°34'59
	5978 Sep 03 04:54	0°♏	
greatest brilliancy	5978 Oct 08 09:39	24°♏20'22	-4.7m
retrograde	5978 Oct 17 21:32	25°♏58'17	
evening set	5978 Nov 04 13:59	20°♏08'20	
inferior conj	5978 Nov 08 05:20	17°♏54'13	-7°56'13
minimum elong	5978 Nov 08 12:53	17°♏42'24	7°55'18
min. Earth dist.	5978 Nov 09 00:50	17°♏23'43	0.28586 AU
morning rise	5978 Nov 12 11:27	15°♏17'17	
direct	5978 Nov 29 14:43	9°♏40'17	
greatest brilliancy	5978 Dec 10 18:17	11°♏56'52	-4.8m
asc. node	5978 Dec 19 01:37	16°♏07'29	
	5979 Jan 06 05:10	0°♐	
morning max el	5979 Jan 18 18:32	11°♐57'36	46°35'03
	5979 Feb 04 20:35	0°♑	
	5979 Mar 03 03:34	0°♒	
	5979 Mar 28 06:47	0°♓	
desc. node	5979 Apr 09 17:33	15°♓07'01	
	5979 Apr 21 21:36	0°♈	
	5979 May 16 06:54	0°♉	
	5979 Jun 09 14:33	0°♊	
	5979 Jul 03 22:37	0°♋	
morning set	5979 Jul 23 21:32	24°♋34'01	
	5979 Jul 28 07:29	0°♌	
asc. node	5979 Jul 31 18:12	4°♌14'25	
	5979 Aug 21 16:37	0°♍	
superior conj	5979 Aug 29 23:23	10°♍11'41	1°02'37
minimum elong	5979 Aug 29 14:14	9°♍43'33	1°02'18
max. Earth dist.	5979 Aug 29 16:01	9°♍49'01	1.73416 AU
	5979 Sep 15 01:25	0°♎	
evening rise	5979 Oct 05 02:21	24°♎40'47	
	5979 Oct 09 10:04	0°♏	
	5979 Nov 02 19:18	0°♐	
desc. node	5979 Nov 20 10:10	21°♐38'20	
	5979 Nov 27 05:45	0°♑	
	5979 Dec 21 17:43	0°♒	
	5980 Jan 15 08:07	0°♓	
	5980 Feb 09 04:33	0°♈	
	5980 Mar 05 16:32	0°♉	
asc. node	5980 Mar 12 10:58	7°♉43'29	
	5980 Apr 01 20:46	0°♊	
evening max el	5980 Apr 07 00:46	5°♊17'57	46°52'16
	5980 May 05 14:46	0°♋	
greatest brilliancy	5980 May 16 21:44	5°♋58'17	-4.8m
retrograde	5980 May 27 10:59	8°♋03'40	
evening set	5980 Jun 12 00:26	3°♋19'31	
inferior conj	5980 Jun 17 14:28	29°♊57'28	3°30'11
minimum elong	5980 Jun 17 21:51	29°♊45'57	3°28'02
min. Earth dist.	5980 Jun 17 10:32	0°♋03'36	0.27957 AU
	5980 Jun 17 12:51	30°℞♊	
morning rise	5980 Jun 23 19:39	26°♊14'59	
desc. node	5980 Jul 02 02:58	22°♊48'41	
direct	5980 Jul 08 15:11	21°♊57'48	
greatest brilliancy	5980 Jul 18 13:00	23°♊44'46	-4.8m
	5980 Jul 30 21:55	0°♋	
morning max el	5980 Aug 26 11:47	21°♋55'13	45°46'10
	5980 Sep 03 17:16	0°♌	
	5980 Oct 01 21:16	0°♍	
asc. node	5980 Oct 23 04:08	24°♍12'28	
	5980 Oct 28 03:33	0°♎	
	5980 Nov 22 09:47	0°♏	
	5980 Dec 17 01:21	0°♐	
	5981 Jan 10 07:58	0°♑	
	5981 Feb 03 09:19	0°♒	
desc. node	5981 Feb 11 19:37	10°♒33'20	
morning set	5981 Feb 22 23:25	24°♒33'07	
	5981 Feb 27 07:32	0°♓	
	5981 Mar 23 04:11	0°♈	
superior conj	5981 Apr 05 04:11	16°♈21'01	-1°26'46
minimum elong	5981 Apr 05 01:24	16°♈12'15	1°26'45
max. Earth dist.	5981 Apr 07 00:40	18°♈40'49	1.71274 AU
	5981 Apr 16 00:59	0°♉	
	5981 May 09 23:53	0°♊	
evening rise	5981 May 15 15:20	7°♊02'30	
	5981 Jun 03 02:36	0°♋	
asc. node	5981 Jun 04 20:36	2°♋10'05	
	5981 Jun 27 10:20	0°♌	
	5981 Jul 22 00:15	0°♍	
	5981 Aug 15 22:36	0°♎	
	5981 Sep 10 09:51	0°♏	
desc. node	5981 Sep 24 12:25	16°♏12'52	
	5981 Oct 06 18:43	0°♐	
	5981 Nov 03 23:17	0°♑	

evening max el	5981 Nov 10 08:49	6°♑18'38	46°10'05
	5981 Dec 09 01:30	0°♒	
greatest brilliancy	5981 Dec 20 04:14	5°♒27'42	-4.8m
retrograde	5981 Dec 29 19:52	7°♒11'22	
evening set	5982 Jan 13 04:22	3°♒07'49	
asc. node	5982 Jan 15 13:28	1°♒48'31	
	5982 Jan 18 14:16	30°℞♑	
inferior conj	5982 Jan 19 11:28	29°♑27'40	1°00'34
minimum elong	5982 Jan 19 09:09	29°♑31'14	0°59'50
min. Earth dist.	5982 Jan 19 17:44	29°♑18'07	0.26912 AU
morning rise	5982 Jan 25 13:30	25°♑53'35	
direct	5982 Feb 09 04:05	21°♑39'10	
greatest brilliancy	5982 Feb 19 14:25	23°♑42'59	-4.9m
	5982 Mar 03 08:32	0°♒	
morning max el	5982 Mar 31 19:06	24°♒45'28	46°59'18
	5982 Apr 05 21:50	0°♓	
	5982 May 03 05:18	0°♈	
desc. node	5982 May 07 05:35	4°♈35'43	
	5982 May 28 23:29	0°♉	
	5982 Jun 23 03:12	0°♊	
	5982 Jul 18 00:46	0°♋	
	5982 Aug 11 18:59	0°♌	
asc. node	5982 Aug 28 06:10	20°♌02'32	
	5982 Sep 05 09:58	0°♍	
	5982 Sep 29 21:17	0°♎	
morning set	5982 Sep 30 07:43	0°♎32'03	
	5982 Oct 24 05:13	0°♏	
max. Earth dist.	5982 Nov 03 16:09	12°♏55'54	1.72876 AU
superior conj	5982 Nov 05 20:43	15°♏38'39	1°19'18
minimum elong	5982 Nov 06 03:27	15°♏59'28	1°19'12
	5982 Nov 17 10:43	0°♐	
	5982 Dec 11 14:46	0°♑	
evening rise	5982 Dec 13 18:46	2°♑41'33	
desc. node	5982 Dec 17 21:57	7°♑49'48	
	5983 Jan 04 17:46	0°♒	
	5983 Jan 28 20:01	0°♓	
	5983 Feb 21 22:43	0°♈	
	5983 Mar 18 04:55	0°♉	
asc. node	5983 Apr 09 22:55	27°♉44'46	
	5983 Apr 11 19:46	0°♊	
	5983 May 07 03:42	0°♋	
	5983 Jun 02 22:20	0°♌	
evening max el	5983 Jun 18 05:32	15°♌45'46	45°59'23
	5983 Jul 03 19:55	0°♍	
greatest brilliancy	5983 Jul 26 10:38	14°♍25'35	-4.7m
desc. node	5983 Jul 30 14:52	15°♍45'13	
retrograde	5983 Aug 06 12:48	16°♍38'46	
evening set	5983 Aug 22 12:09	11°♍43'01	
min. Earth dist.	5983 Aug 27 12:59	8°♍39'34	0.29011 AU
inferior conj	5983 Aug 28 00:35	8°♍21'22	-6°06'36
minimum elong	5983 Aug 27 14:43	8°♍36'52	6°04'33
morning rise	5983 Sep 01 17:35	5°♍28'33	
direct	5983 Sep 18 14:10	0°♍06'38	
greatest brilliancy	5983 Sep 28 14:39	1°♍55'46	-4.7m
	5983 Nov 06 06:57	0°♎	
morning max el	5983 Nov 06 12:50	0°♎14'12	45°50'29
asc. node	5983 Nov 20 15:54	14°♎32'39	
	5983 Dec 04 21:39	0°♏	
	5983 Dec 30 23:40	0°♐	
	5984 Jan 24 23:42	0°♑	
	5984 Feb 18 10:38	0°♒	
desc. node	5984 Mar 11 07:35	27°♒08'37	
	5984 Mar 13 14:37	0°♓	
	5984 Apr 06 15:07	0°♈	
	5984 Apr 30 14:39	0°♉	
morning set	5984 May 10 07:40	12°♉08'06	
	5984 May 24 15:15	0°♊	
	5984 Jun 17 18:15	0°♋	
superior conj	5984 Jun 18 07:04	0°♋39'46	-0°33'06
minimum elong	5984 Jun 18 14:19	1°♋02'14	0°32'47
max. Earth dist.	5984 Jun 21 15:36	4°♋49'25	1.72580 AU
asc. node	5984 Jul 02 08:21	18°♋04'20	
	5984 Jul 12 00:02	0°♌	
evening rise	5984 Jul 26 04:36	17°♌29'47	
	5984 Aug 05 08:31	0°♍	
	5984 Aug 29 19:56	0°♎	
	5984 Sep 23 11:16	0°♏	
	5984 Oct 18 08:12	0°♐	
desc. node	5984 Oct 22 00:18	4°♐23'59	
	5984 Nov 12 12:43	0°♑	
	5984 Dec 08 04:31	0°♒	
	5985 Jan 03 18:42	0°♓	
evening max el	5985 Jan 22 06:28	19°♓30'40	47°00'17
	5985 Feb 02 02:57	0°♈	
asc. node	5985 Feb 12 01:18	8°♈34'42	
greatest brilliancy	5985 Mar 03 20:59	20°♈41'07	-4.9m
retrograde	5985 Mar 13 20:34	22°♈34'20	
evening set	5985 Mar 31 16:43	16°♈27'07	
min. Earth dist.	5985 Apr 03 02:50	14°♈58'01	0.27113 AU
inferior conj	5985 Apr 03 12:51	14°♈42'30	9°02'40
minimum elong	5985 Apr 03 09:51	14°♈47'09	9°02'32
morning rise	5985 Apr 06 03:04	13°♈07'04	
direct	5985 Apr 24 03:22	6°♈56'47	
greatest brilliancy	5985 May 03 10:14	8°♈34'15	-4.9m
desc. node	5985 Jun 03 17:09	29°♈56'14	
	5985 Jun 03 18:48	0°♉	
morning max el	5985 Jun 13 01:04	8°♉48'57	46°27'13
	5985 Jul 03 10:22	0°♊	
	5985 Jul 30 07:36	0°♋	
	5985 Aug 25 04:38	0°♌	
	5985 Sep 19 12:01	0°♍	
asc. node	5985 Sep 24 18:09	6°♍17'48	
	5985 Oct 14 09:05	0°♎	
	5985 Nov 07 21:50	0°♏	
	5985 Dec 02 04:27	0°♐	
morning set	5985 Dec 08 12:09	7°♐51'01	
	5985 Dec 26 06:59	0°♑	
max. Earth dist.	5986 Jan 13 16:38	22°♑59'54	1.71633 AU
desc. node	5986 Jan 14 09:48	23°♑53'37	
superior conj	5986 Jan 16 11:31	26°♑29'12	-0°05'03
minimum elong	5986 Jan 16 10:15	26°♑25'16	0°04'57
behind sun begin	5986 Jan 15 09:59	25°♑09'18	
behind sun end	5986 Jan 17 10:31	27°♑41'15	
	5986 Jan 19 06:51	0°♒	
	5986 Feb 12 04:54	0°♓	
evening rise	5986 Feb 25 20:48	17°♓09'23	
	5986 Mar 08 02:12	0°♈	
	5986 Apr 01 00:32	0°♉	
	5986 Apr 25 02:28	0°♊	
asc. node	5986 May 07 10:43	15°♊15'20	
	5986 May 19 11:05	0°♋	
	5986 Jun 13 06:02	0°♌	
	5986 Jul 08 17:21	0°♍	
	5986 Aug 04 10:37	0°♎	
desc. node	5986 Aug 27 02:43	23°♎19'41	
evening max el	5986 Aug 27 20:28	24°♎02'18	45°34'53
	5986 Sep 03 05:49	0°♏	
greatest brilliancy	5986 Oct 05 23:42	22°♏07'27	-4.7m
retrograde	5986 Oct 15 12:33	23°♏46'34	
evening set	5986 Nov 02 07:32	17°♏52'33	
inferior conj	5986 Nov 05 20:57	15°♏41'27	-8°03'46

minimum elong	5986 Nov 06 03:56	15°♏30'32	8°02'59
min. Earth dist.	5986 Nov 06 15:55	15°♏11'50	0.28644 AU
morning rise	5986 Nov 10 00:01	13°♏09'06	
direct	5986 Nov 27 06:21	7°♏26'35	
greatest brilliancy	5986 Dec 08 10:35	9°♏43'37	-4.8m
asc. node	5986 Dec 18 03:35	14°♏45'51	
	5987 Jan 06 08:51	0°♐	
morning max el	5987 Jan 16 09:49	9°♐40'07	46°33'30
	5987 Feb 04 13:59	0°♑	
	5987 Mar 02 17:59	0°♒	
	5987 Mar 27 19:49	0°♓	
desc. node	5987 Apr 08 19:38	14°♓35'00	
	5987 Apr 21 09:51	0°♈	
	5987 May 15 18:38	0°♉	
	5987 Jun 09 01:55	0°♊	
	5987 Jul 03 09:41	0°♋	
morning set	5987 Jul 21 14:06	22°♋23'39	
	5987 Jul 27 18:23	0°♌	
asc. node	5987 Jul 30 20:16	3°♌47'21	
	5987 Aug 21 03:23	0°♍	
superior conj	5987 Aug 27 17:16	8°♍05'57	1°00'23
minimum elong	5987 Aug 27 08:05	7°♍37'41	1°00'03
max. Earth dist.	5987 Aug 27 12:10	7°♍50'16	1.73410 AU
	5987 Sep 14 12:10	0°♎	
evening rise	5987 Oct 02 20:22	22°♎35'19	
	5987 Oct 08 20:53	0°♏	
	5987 Nov 02 06:20	0°♐	
desc. node	5987 Nov 19 12:07	21°♐09'41	
	5987 Nov 26 17:08	0°♑	
	5987 Dec 21 05:36	0°♒	
	5988 Jan 14 20:42	0°♓	
	5988 Feb 08 18:12	0°♈	
	5988 Mar 05 08:12	0°♉	
asc. node	5988 Mar 11 13:04	7°♉02'54	
	5988 Apr 01 17:32	0°♊	
evening max el	5988 Apr 04 15:09	2°♊57'19	46°53'48
	5988 May 06 22:46	0°♋	
greatest brilliancy	5988 May 14 13:11	3°♋40'42	-4.8m
retrograde	5988 May 25 02:27	5°♋46'17	
evening set	5988 Jun 09 17:37	0°♋58'33	
	5988 Jun 11 10:01	30°℞♊	
inferior conj	5988 Jun 15 05:11	27°♊40'17	3°50'25
minimum elong	5988 Jun 15 13:10	27°♊27'53	3°48'08
min. Earth dist.	5988 Jun 15 01:33	27°♊45'56	0.27927 AU
morning rise	5988 Jun 21 09:05	23°♊59'58	
desc. node	5988 Jul 01 04:59	20°♊11'17	
direct	5988 Jul 06 05:27	19°♊40'54	
greatest brilliancy	5988 Jul 16 03:11	21°♊28'16	-4.8m
	5988 Jul 31 21:01	0°♋	
morning max el	5988 Aug 24 03:53	19°♋44'19	45°47'01
	5988 Sep 03 12:59	0°♌	
	5988 Oct 01 12:05	0°♍	
asc. node	5988 Oct 22 06:02	23°♍39'57	
	5988 Oct 27 16:23	0°♎	
	5988 Nov 21 21:40	0°♏	
	5988 Dec 16 12:44	0°♐	
	5989 Jan 09 19:08	0°♑	
	5989 Feb 02 20:23	0°♒	
desc. node	5989 Feb 10 21:44	10°♒05'22	
morning set	5989 Feb 20 09:52	22°♒00'40	
	5989 Feb 26 18:33	0°♓	
	5989 Mar 22 15:09	0°♈	
superior conj	5989 Apr 02 14:50	13°♈49'07	-1°26'13
minimum elong	5989 Apr 02 10:57	13°♈36'55	1°26'12
max. Earth dist.	5989 Apr 04 08:38	16°♈00'31	1.71253 AU
	5989 Apr 15 11:55	0°♉	
	5989 May 09 10:49	0°♊	
evening rise	5989 May 13 03:11	4°♊35'42	
	5989 Jun 02 13:35	0°♋	
asc. node	5989 Jun 03 22:32	1°♋42'02	
	5989 Jun 26 21:29	0°♌	
	5989 Jul 21 11:43	0°♍	
	5989 Aug 15 10:40	0°♎	
	5989 Sep 09 23:01	0°♏	
desc. node	5989 Sep 23 14:27	15°♏38'27	
	5989 Oct 06 10:08	0°♐	
	5989 Nov 03 20:29	0°♑	
evening max el	5989 Nov 07 23:57	4°♑03'22	46°08'18
	5989 Dec 10 17:05	0°♒	
greatest brilliancy	5989 Dec 17 17:12	3°♒04'47	-4.8m
retrograde	5989 Dec 27 08:54	4°♒47'54	
evening set	5990 Jan 10 17:52	0°♒43'59	
	5990 Jan 12 02:03	30°℞♑	
asc. node	5990 Jan 14 15:30	28°♑30'34	
inferior conj	5990 Jan 17 00:31	27°♑03'58	0°36'44
minimum elong	5990 Jan 16 23:06	27°♑06'08	0°36'19
min. Earth dist.	5990 Jan 17 07:44	26°♑52'56	0.26945 AU
morning rise	5990 Jan 23 03:57	23°♑27'51	
direct	5990 Feb 06 18:14	19°♑15'03	
greatest brilliancy	5990 Feb 17 04:43	21°♑19'09	-4.9m
	5990 Mar 04 08:12	0°♒	
morning max el	5990 Mar 29 09:17	22°♒23'04	46°59'13
	5990 Apr 05 18:21	0°♓	
	5990 May 02 20:53	0°♈	
desc. node	5990 May 06 07:28	3°♈57'26	
	5990 May 28 12:59	0°♉	
	5990 Jun 22 15:34	0°♊	
	5990 Jul 17 12:25	0°♋	
	5990 Aug 11 06:08	0°♌	
asc. node	5990 Aug 27 08:13	19°♌35'30	
	5990 Sep 04 20:48	0°♍	
morning set	5990 Sep 28 01:07	28°♍25'12	
	5990 Sep 29 07:58	0°♎	
	5990 Oct 23 15:50	0°♏	
max. Earth dist.	5990 Nov 01 08:16	10°♏44'22	1.72908 AU
superior conj	5990 Nov 03 13:40	13°♏29'36	1°20'30
minimum elong	5990 Nov 03 19:48	13°♏48'36	1°20'24
	5990 Nov 16 21:23	0°♐	
evening rise	5990 Dec 11 09:24	0°♑24'24	
	5990 Dec 11 01:33	0°♑	
desc. node	5990 Dec 16 23:59	7°♑22'33	
	5991 Jan 04 04:42	0°♒	
	5991 Jan 28 07:10	0°♓	
	5991 Feb 21 10:12	0°♈	
	5991 Mar 17 16:53	0°♉	
asc. node	5991 Apr 09 00:49	27°♉12'17	
	5991 Apr 11 08:31	0°♊	
	5991 May 06 17:55	0°♋	
	5991 Jun 02 16:04	0°♌	
evening max el	5991 Jun 15 21:24	13°♌33'26	46°01'00
	5991 Jul 04 04:23	0°♍	
greatest brilliancy	5991 Jul 24 03:06	12°♍16'12	-4.7m
desc. node	5991 Jul 29 16:58	13°♍54'54	
retrograde	5991 Aug 04 04:45	14°♍29'00	
evening set	5991 Aug 20 01:53	9°♍37'21	
min. Earth dist.	5991 Aug 25 04:56	6°♍30'37	0.28982 AU
inferior conj	5991 Aug 25 16:47	6°♍12'00	-5°52'22
minimum elong	5991 Aug 25 06:58	6°♍27'26	5°50'15
morning rise	5991 Aug 30 12:21	3°♍15'11	
	5991 Sep 06 01:41	30°℞♌	
direct	5991 Sep 16 06:11	27°♌57'52	

greatest brilliancy	5991 Sep 26 05:52	29°♌45'58	-4.7m
	5991 Sep 26 21:39	0°♍	
morning max el	5991 Nov 04 03:14	28°♍00'05	45°49'29
	5991 Nov 06 04:31	0°♎	
asc. node	5991 Nov 19 17:51	13°♎51'17	
	5991 Dec 04 12:58	0°♏	
	5991 Dec 30 12:48	0°♐	
	5992 Jan 24 11:49	0°♑	
	5992 Feb 17 22:10	0°♒	
desc. node	5992 Mar 10 09:39	26°♒40'09	
	5992 Mar 13 01:49	0°♓	
	5992 Apr 06 02:06	0°♈	
	5992 Apr 30 01:29	0°♉	
morning set	5992 May 07 20:22	9°♉44'12	
	5992 May 24 01:59	0°♊	
superior conj	5992 Jun 15 21:37	28°♊23'02	-0°36'23
minimum elong	5992 Jun 16 05:28	28°♊47'24	0°36'03
	5992 Jun 17 04:53	0°♋	
max. Earth dist.	5992 Jun 19 08:33	2°♋40'15	1.72531 AU
asc. node	5992 Jul 01 10:27	17°♋37'59	
	5992 Jul 11 10:38	0°♌	
evening rise	5992 Jul 23 21:24	15°♌21'01	
	5992 Aug 04 19:11	0°♍	
	5992 Aug 29 06:46	0°♎	
	5992 Sep 22 22:29	0°♏	
	5992 Oct 17 20:00	0°♐	
desc. node	5992 Oct 21 02:14	3°♐54'03	
	5992 Nov 12 01:30	0°♑	
	5992 Dec 07 18:58	0°♒	
	5993 Jan 03 12:34	0°♓	
evening max el	5993 Jan 19 19:14	17°♓05'01	46°59'18
	5993 Feb 02 08:05	0°♈	
asc. node	5993 Feb 11 03:23	7°♈22'27	
greatest brilliancy	5993 Mar 01 11:03	18°♈16'54	-4.9m
retrograde	5993 Mar 11 09:20	20°♈09'21	
evening set	5993 Mar 29 03:03	14°♈06'59	
min. Earth dist.	5993 Mar 31 16:01	12°♈33'44	0.27085 AU
inferior conj	5993 Apr 01 02:00	12°♈18'17	8°59'09
minimum elong	5993 Mar 31 22:03	12°♈24'23	8°58'55
morning rise	5993 Apr 03 17:09	10°♈41'26	
direct	5993 Apr 21 15:37	4°♈32'43	
greatest brilliancy	5993 Apr 30 23:47	6°♈11'02	-4.9m
desc. node	5993 Jun 02 19:16	28°♈58'54	
	5993 Jun 03 21:30	0°♉	
morning max el	5993 Jun 10 13:47	6°♉25'51	46°28'47
	5993 Jul 03 03:23	0°♊	
	5993 Jul 29 21:29	0°♋	
	5993 Aug 24 17:00	0°♌	
	5993 Sep 18 23:32	0°♍	
asc. node	5993 Sep 23 20:05	5°♍49'25	
	5993 Oct 13 20:07	0°♎	
	5993 Nov 07 08:37	0°♏	
	5993 Dec 01 15:07	0°♐	
morning set	5993 Dec 06 03:15	5°♐35'38	
	5993 Dec 25 17:39	0°♑	
max. Earth dist.	5994 Jan 11 04:47	20°♑34'16	1.71674 AU
desc. node	5994 Jan 13 11:53	23°♑26'39	
superior conj	5994 Jan 13 23:45	24°♑03'50	-0°01'13
minimum elong	5994 Jan 13 23:28	24°♑02'54	0°01'11
behind sun begin	5994 Jan 12 22:21	22°♑44'18	
behind sun end	5994 Jan 15 00:35	25°♑21'31	
	5994 Jan 18 17:33	0°♒	
	5994 Feb 11 15:41	0°♓	
evening rise	5994 Feb 23 07:58	14°♓39'55	
	5994 Mar 07 13:02	0°♈	
	5994 Mar 31 11:27	0°♉	
	5994 Apr 24 13:34	0°♊	
asc. node	5994 May 06 12:42	14°♊46'46	
	5994 May 18 22:31	0°♋	
	5994 Jun 12 18:08	0°♌	
	5994 Jul 08 06:44	0°♍	
	5994 Aug 04 02:54	0°♎	
evening max el	5994 Aug 25 11:06	21°♎49'24	45°34'46
desc. node	5994 Aug 26 04:44	22°♎31'30	
	5994 Sep 03 07:50	0°♏	
greatest brilliancy	5994 Oct 03 13:02	19°♏54'19	-4.7m
retrograde	5994 Oct 13 03:56	21°♏35'13	
evening set	5994 Oct 31 00:43	15°♏37'24	
inferior conj	5994 Nov 03 12:24	13°♏28'59	-8°10'29
minimum elong	5994 Nov 03 18:48	13°♏19'01	8°09'51
min. Earth dist.	5994 Nov 04 06:28	13°♏00'50	0.28700 AU
morning rise	5994 Nov 07 12:34	11°♏01'09	
direct	5994 Nov 24 22:20	5°♏13'21	
greatest brilliancy	5994 Dec 06 02:18	7°♏30'26	-4.8m
asc. node	5994 Dec 17 05:42	13°♏27'41	
	5995 Jan 06 10:39	0°♐	
morning max el	5995 Jan 14 01:40	7°♐25'02	46°31'57
	5995 Feb 04 06:44	0°♑	
	5995 Mar 02 07:57	0°♒	
	5995 Mar 27 08:28	0°♓	
desc. node	5995 Apr 07 21:29	14°♓03'22	
	5995 Apr 20 21:43	0°♈	
	5995 May 15 05:58	0°♉	
	5995 Jun 08 12:52	0°♊	
	5995 Jul 02 20:23	0°♋	
morning set	5995 Jul 19 06:55	20°♋15'05	
	5995 Jul 27 04:55	0°♌	
asc. node	5995 Jul 29 22:18	3°♌21'13	
	5995 Aug 20 13:52	0°♍	
superior conj	5995 Aug 25 11:09	6°♍01'01	0°58'03
minimum elong	5995 Aug 25 01:59	5°♍32'49	0°57'43
max. Earth dist.	5995 Aug 25 09:43	5°♍56'35	1.73410 AU
	5995 Sep 13 22:39	0°♎	
evening rise	5995 Sep 30 14:18	20°♎30'15	
	5995 Oct 08 07:30	0°♏	
	5995 Nov 01 17:11	0°♐	
desc. node	5995 Nov 18 14:07	20°♐41'47	
	5995 Nov 26 04:21	0°♑	
	5995 Dec 20 17:20	0°♒	
	5996 Jan 14 09:09	0°♓	
	5996 Feb 08 07:46	0°♈	
	5996 Mar 04 23:52	0°♉	
asc. node	5996 Mar 10 15:00	6°♉22'04	
	5996 Apr 01 14:44	0°♊	
evening max el	5996 Apr 02 06:35	0°♊40'04	46°55'23
	5996 May 08 21:36	0°♋	
greatest brilliancy	5996 May 12 04:34	1°♋24'08	-4.9m
retrograde	5996 May 22 18:19	3°♋29'57	
	5996 Jun 04 22:41	30°℞♊	
evening set	5996 Jun 07 11:06	28°♊38'46	
inferior conj	5996 Jun 12 20:00	25°♊24'13	4°10'11
minimum elong	5996 Jun 13 04:31	25°♊10'59	4°07'47
min. Earth dist.	5996 Jun 12 16:21	25°♊29'53	0.27894 AU
morning rise	5996 Jun 18 22:24	21°♊46'24	
desc. node	5996 Jun 30 07:02	17°♊40'38	
direct	5996 Jul 03 20:18	17°♊25'25	
greatest brilliancy	5996 Jul 13 16:50	19°♊12'21	-4.8m
	5996 Aug 01 13:28	0°♋	
morning max el	5996 Aug 21 20:03	17°♋34'38	45°47'45
	5996 Sep 03 07:46	0°♌	
	5996 Oct 01 02:28	0°♍	

asc. node	5996 Oct 21 08:01	23°♍08'19	
	5996 Oct 27 04:59	0°♎	
	5996 Nov 21 09:23	0°♏	
	5996 Dec 16 00:01	0°♐	
	5997 Jan 09 06:12	0°♑	
	5997 Feb 02 07:20	0°♒	
desc. node	5997 Feb 09 23:40	9°♒37'12	
morning set	5997 Feb 17 20:15	19°♒28'28	
	5997 Feb 26 05:27	0°♓	
	5997 Mar 22 02:01	0°♈	
superior conj	5997 Mar 31 01:23	11°♈17'11	-1°25'29
minimum elong	5997 Mar 30 20:28	11°♈01'45	1°25'27
max. Earth dist.	5997 Apr 01 17:52	13°♈24'29	1.71232 AU
	5997 Apr 14 22:46	0°♉	
	5997 May 08 21:40	0°♊	
evening rise	5997 May 10 14:59	2°♊08'57	
	5997 Jun 02 00:30	0°♋	
asc. node	5997 Jun 03 00:38	1°♋14'47	
	5997 Jun 26 08:30	0°♌	
	5997 Jul 20 23:02	0°♍	
	5997 Aug 14 22:35	0°♎	
	5997 Sep 09 12:09	0°♏	
desc. node	5997 Sep 22 16:20	15°♏03'44	
	5997 Oct 06 01:44	0°♐	
	5997 Nov 03 18:32	0°♑	
evening max el	5997 Nov 05 14:35	1°♑46'53	46°06'15
	5997 Dec 13 08:47	0°♒	
greatest brilliancy	5997 Dec 15 06:43	0°♒42'13	-4.8m
retrograde	5997 Dec 24 21:22	2°♒24'01	
	5998 Jan 04 20:24	30°℞♑	
evening set	5998 Jan 08 07:32	28°♑19'34	
asc. node	5998 Jan 13 17:32	25°♑10'41	
inferior conj	5998 Jan 14 13:32	24°♑40'03	0°12'54
minimum elong	5998 Jan 14 13:02	24°♑40'49	0°12'46
transit middle	5998 Jan 14 13:02	24°♑40'49	0°12'46
transit begin	5998 Jan 14 10:26	24°♑44'49	
transit end	5998 Jan 14 15:39	24°♑36'48	
min. Earth dist.	5998 Jan 14 22:01	24°♑27'03	0.26979 AU
morning rise	5998 Jan 20 18:07	21°♑01'56	
direct	5998 Feb 04 07:53	16°♑50'37	
greatest brilliancy	5998 Feb 14 19:23	18°♑55'20	-4.9m
	5998 Mar 05 01:50	0°♒	
morning max el	5998 Mar 26 22:18	19°♒57'27	46°59'11
	5998 Apr 05 14:17	0°♓	
	5998 May 02 12:15	0°♈	
desc. node	5998 May 05 09:33	3°♈20'01	
	5998 May 28 02:24	0°♉	
	5998 Jun 22 03:53	0°♊	
	5998 Jul 17 00:02	0°♋	
	5998 Aug 10 17:16	0°♌	
asc. node	5998 Aug 26 10:09	19°♌08'07	
	5998 Sep 04 07:37	0°♍	
morning set	5998 Sep 25 18:53	26°♍19'30	
	5998 Sep 28 18:37	0°♎	
	5998 Oct 23 02:29	0°♏	
max. Earth dist.	5998 Oct 30 00:23	8°♏32'51	1.72946 AU
superior conj	5998 Nov 01 06:57	11°♏21'36	1°21'32
minimum elong	5998 Nov 01 12:29	11°♏38'43	1°21'29
	5998 Nov 16 08:08	0°♐	
evening rise	5998 Dec 09 00:08	28°♐07'16	
	5998 Dec 10 12:27	0°♑	
desc. node	5998 Dec 16 02:05	6°♑55'00	
	5999 Jan 03 15:49	0°♒	
	5999 Jan 27 18:32	0°♓	
	5999 Feb 20 21:54	0°♈	
	5999 Mar 17 05:05	0°♉	
asc. node	5999 Apr 08 02:49	26°♉39'28	
	5999 Apr 10 21:31	0°♊	
	5999 May 06 08:29	0°♋	
	5999 Jun 02 10:25	0°♌	
evening max el	5999 Jun 13 12:31	11°♌18'39	46°02'43
	5999 Jul 04 16:05	0°♍	
greatest brilliancy	5999 Jul 21 19:53	10°♍06'50	-4.8m
desc. node	5999 Jul 28 18:58	12°♍00'25	
retrograde	5999 Aug 01 20:40	12°♍19'23	
evening set	5999 Aug 17 15:52	7°♍31'23	
inferior conj	5999 Aug 23 09:10	4°♍02'47	-5°37'42
minimum elong	5999 Aug 22 23:26	4°♍18'06	5°35'32
min. Earth dist.	5999 Aug 22 21:17	4°♍21'28	0.28949 AU
morning rise	5999 Aug 28 07:15	1°♍02'07	
	5999 Aug 30 03:42	30°℞♌	
direct	5999 Sep 13 21:51	25°♌49'10	
greatest brilliancy	5999 Sep 23 21:46	27°♌36'58	-4.7m
	5999 Sep 29 12:43	0°♍	
morning max el	5999 Nov 01 17:24	25°♍45'22	45°48'34
	5999 Nov 06 01:21	0°♎	
asc. node	5999 Nov 18 19:59	13°♎10'43	
	5999 Dec 04 04:09	0°♏	
	5999 Dec 30 02:01	0°♐	
	6000 Jan 24 00:07	0°♑	
	6000 Feb 17 10:00	0°♒	
desc. node	6000 Mar 09 11:35	26°♒10'09	
	6000 Mar 12 13:20	0°♓	
	6000 Apr 05 13:24	0°♈	
	6000 Apr 29 12:37	0°♉	
morning set	6000 May 05 08:37	7°♉17'50	
	6000 May 23 12:58	0°♊	
superior conj	6000 Jun 13 12:00	26°♊04'54	-0°39'36
minimum elong	6000 Jun 13 20:27	26°♊31'06	0°39'16
	6000 Jun 16 15:47	0°♋	
max. Earth dist.	6000 Jun 16 23:48	0°♋24'52	1.72480 AU
asc. node	6000 Jun 30 12:26	17°♋10'26	
	6000 Jul 10 21:30	0°♌	
evening rise	6000 Jul 21 14:15	13°♌11'29	
	6000 Aug 04 06:07	0°♍	
	6000 Aug 28 17:54	0°♎	
	6000 Sep 22 09:57	0°♏	
	6000 Oct 17 08:04	0°♐	
desc. node	6000 Oct 20 04:19	3°♐23'57	
	6000 Nov 11 14:34	0°♑	
	6000 Dec 07 09:50	0°♒	
	6001 Jan 03 07:15	0°♓	
evening max el	6001 Jan 17 07:45	14°♓37'38	46°57'58
	6001 Feb 02 16:09	0°♈	
asc. node	6001 Feb 10 05:17	6°♈05'57	
greatest brilliancy	6001 Feb 27 00:19	15°♈49'31	-4.9m
retrograde	6001 Mar 08 21:58	17°♈42'00	
evening set	6001 Mar 26 12:29	11°♈44'48	
min. Earth dist.	6001 Mar 29 04:42	10°♈06'57	0.27060 AU
inferior conj	6001 Mar 29 14:48	9°♈51'23	8°54'28
minimum elong	6001 Mar 29 09:55	9°♈58'54	8°54'08
morning rise	6001 Apr 01 07:26	8°♈12'29	
direct	6001 Apr 19 03:45	2°♈05'49	
greatest brilliancy	6001 Apr 28 12:57	3°♈45'08	-4.9m
desc. node	6001 Jun 01 21:19	28°♈01'02	
	6001 Jun 03 23:26	0°♉	
morning max el	6001 Jun 08 03:04	4°♉02'24	46°30'34
	6001 Jul 02 20:33	0°♊	
	6001 Jul 29 11:38	0°♋	
	6001 Aug 24 05:40	0°♌	
	6001 Sep 18 11:22	0°♍	

asc. node	6001 Sep 22 22:03	5°♍20'09	
	6001 Oct 13 07:28	0°♎	
	6001 Nov 06 19:41	0°♏	
	6001 Dec 01 02:04	0°♐	
morning set	6001 Dec 03 19:00	3°♐21'31	
	6001 Dec 25 04:35	0°♑	
max. Earth dist.	6002 Jan 08 19:58	18°♑17'19	1.71718 AU
superior conj	6002 Jan 11 12:31	21°♑39'10	0°02'35
minimum elong	6002 Jan 11 13:09	21°♑41'10	0°02'35
behind sun begin	6002 Jan 10 12:15	20°♑23'16	
behind sun end	6002 Jan 12 14:03	22°♑59'05	
desc. node	6002 Jan 12 13:49	22°♑58'22	
	6002 Jan 18 04:33	0°♒	
	6002 Feb 11 02:48	0°♓	
evening rise	6002 Feb 20 19:23	12°♓10'00	
	6002 Mar 07 00:18	0°♈	
	6002 Mar 30 22:51	0°♉	
	6002 Apr 24 01:10	0°♊	
asc. node	6002 May 05 14:47	14°♊16'56	
	6002 May 18 10:30	0°♋	
	6002 Jun 12 06:48	0°♌	
	6002 Jul 07 20:44	0°♍	
	6002 Aug 03 19:59	0°♎	
evening max el	6002 Aug 23 02:39	19°♎37'38	45°34'51
desc. node	6002 Aug 25 06:38	21°♎41'08	
	6002 Sep 03 11:56	0°♏	
greatest brilliancy	6002 Oct 01 02:21	17°♏40'39	-4.7m
retrograde	6002 Oct 10 19:48	19°♏23'24	
evening set	6002 Oct 28 17:58	13°♏22'18	
inferior conj	6002 Nov 01 04:03	11°♏16'08	-8°16'31
minimum elong	6002 Nov 01 09:48	11°♏07'11	8°16'00
min. Earth dist.	6002 Nov 01 20:47	10°♏50'04	0.28748 AU
morning rise	6002 Nov 05 01:25	8°♏52'39	
direct	6002 Nov 22 14:51	3°♏00'06	
greatest brilliancy	6002 Dec 03 17:24	5°♏16'15	-4.8m
asc. node	6002 Dec 16 07:37	12°♏11'09	
	6003 Jan 06 11:22	0°♐	
morning max el	6003 Jan 11 17:53	5°♐10'32	46°30'24
	6003 Feb 03 23:23	0°♑	
	6003 Mar 01 22:02	0°♒	
	6003 Mar 26 21:22	0°♓	
desc. node	6003 Apr 06 23:34	13°♓31'31	
	6003 Apr 20 09:56	0°♈	
	6003 May 14 17:43	0°♉	
	6003 Jun 08 00:17	0°♊	
	6003 Jul 02 07:33	0°♋	
morning set	6003 Jul 16 23:17	18°♋03'40	
	6003 Jul 26 15:54	0°♌	
asc. node	6003 Jul 29 00:13	2°♌53'23	
	6003 Aug 20 00:44	0°♍	
superior conj	6003 Aug 23 04:38	3°♍53'39	0°55'38
minimum elong	6003 Aug 22 19:33	3°♍25'42	0°55'17
max. Earth dist.	6003 Aug 23 08:01	4°♍04'02	1.73401 AU
	6003 Sep 13 09:31	0°♎	
evening rise	6003 Sep 28 08:07	18°♎23'46	
	6003 Oct 07 18:28	0°♏	
	6003 Nov 01 04:23	0°♐	
desc. node	6003 Nov 17 16:11	20°♐13'05	
	6003 Nov 25 15:55	0°♑	
	6003 Dec 20 05:23	0°♒	
	6004 Jan 13 21:54	0°♓	
	6004 Feb 07 21:39	0°♈	
	6004 Mar 04 16:02	0°♉	
asc. node	6004 Mar 09 17:00	5°♉40'17	
evening max el	6004 Mar 30 22:07	28°♉22'00	46°56'31
	6004 Apr 01 13:10	0°♊	
greatest brilliancy	6004 May 09 19:56	29°♊05'45	-4.9m
	6004 May 12 12:43	0°♋	
retrograde	6004 May 20 09:39	1°♋11'07	
	6004 May 27 23:47	30°℞♊	
evening set	6004 Jun 05 04:25	26°♊16'36	
inferior conj	6004 Jun 10 10:31	23°♊05'47	4°29'48
minimum elong	6004 Jun 10 19:31	22°♊51'48	4°27'20
min. Earth dist.	6004 Jun 10 06:53	23°♊11'25	0.27864 AU
morning rise	6004 Jun 16 11:07	19°♊30'34	
desc. node	6004 Jun 29 08:59	15°♊12'53	
direct	6004 Jul 01 11:04	15°♊07'40	
greatest brilliancy	6004 Jul 11 06:08	16°♊53'46	-4.8m
	6004 Aug 02 02:35	0°♋	
morning max el	6004 Aug 19 11:16	15°♋21'00	45°48'34
	6004 Sep 03 02:34	0°♌	
	6004 Sep 30 17:03	0°♍	
asc. node	6004 Oct 20 10:09	22°♍36'20	
	6004 Oct 26 17:48	0°♎	
	6004 Nov 20 21:20	0°♏	
	6004 Dec 15 11:31	0°♐	
	6005 Jan 08 17:28	0°♑	
	6005 Feb 01 18:29	0°♒	
desc. node	6005 Feb 09 01:39	9°♒08'36	
morning set	6005 Feb 15 07:10	16°♒57'24	
	6005 Feb 25 16:30	0°♓	
	6005 Mar 21 13:00	0°♈	
superior conj	6005 Mar 28 12:24	8°♈46'21	-1°24'36
minimum elong	6005 Mar 28 06:30	8°♈27'49	1°24'32
max. Earth dist.	6005 Mar 30 02:32	10°♈46'14	1.71211 AU
	6005 Apr 14 09:44	0°♉	
evening rise	6005 May 08 02:55	29°♉42'00	
	6005 May 08 08:41	0°♊	
	6005 Jun 01 11:36	0°♋	
asc. node	6005 Jun 02 02:36	0°♋46'27	
	6005 Jun 25 19:47	0°♌	
	6005 Jul 20 10:39	0°♍	
	6005 Aug 14 10:52	0°♎	
	6005 Sep 09 01:41	0°♏	
desc. node	6005 Sep 21 18:27	14°♏28'40	
	6005 Oct 05 17:52	0°♐	
evening max el	6005 Nov 03 04:10	29°♐27'21	46°04'23
	6005 Nov 03 17:45	0°♑	
greatest brilliancy	6005 Dec 12 20:46	28°♑20'07	-4.8m
	6005 Dec 21 21:30	0°♒	
retrograde	6005 Dec 22 09:28	0°♒00'17	
	6005 Dec 22 21:24	30°℞♑	
evening set	6006 Jan 05 21:27	25°♑54'46	
inferior conj	6006 Jan 12 02:40	22°♑16'17	-0°10'49
minimum elong	6006 Jan 12 03:05	22°♑15'38	0°10'39
transit middle	6006 Jan 12 03:05	22°♑15'38	0°10'39
transit begin	6006 Jan 11 23:57	22°♑20'26	
transit end	6006 Jan 12 06:12	22°♑10'51	
min. Earth dist.	6006 Jan 12 12:42	22°♑00'53	0.27015 AU
asc. node	6006 Jan 12 19:29	21°♑50'28	
morning rise	6006 Jan 18 08:09	18°♑36'23	
direct	6006 Feb 01 21:08	14°♑26'04	
greatest brilliancy	6006 Feb 12 10:41	16°♑32'11	-4.9m
	6006 Mar 05 15:04	0°♒	
morning max el	6006 Mar 24 10:42	17°♒30'05	46°59'17
	6006 Apr 05 09:38	0°♓	
	6006 May 02 03:23	0°♈	
desc. node	6006 May 04 11:35	2°♈42'47	
	6006 May 27 15:41	0°♉	
	6006 Jun 21 16:10	0°♊	
	6006 Jul 16 11:41	0°♋	

	6006 Aug 10 04:29	0°♌	
asc. node	6006 Aug 25 12:11	18°♌40'39	
	6006 Sep 03 18:33	0°♍	
morning set	6006 Sep 23 12:13	24°♍12'04	
	6006 Sep 28 05:24	0°♎	
	6006 Oct 22 13:13	0°♏	
max. Earth dist.	6006 Oct 27 16:58	6°♏22'29	1.72981 AU
superior conj	6006 Oct 29 23:57	9°♏12'29	1°22'29
minimum elong	6006 Oct 30 04:52	9°♏27'41	1°22'27
	6006 Nov 15 18:56	0°♐	
evening rise	6006 Dec 06 14:46	25°♐49'50	
	6006 Dec 09 23:23	0°♑	
desc. node	6006 Dec 15 03:58	6°♑26'44	
	6007 Jan 03 02:57	0°♒	
	6007 Jan 27 05:56	0°♓	
	6007 Feb 20 09:39	0°♈	
	6007 Mar 16 17:17	0°♉	
asc. node	6007 Apr 07 04:56	26°♉07'04	
	6007 Apr 10 10:31	0°♊	
	6007 May 05 23:05	0°♋	
	6007 Jun 02 05:03	0°♌	
evening max el	6007 Jun 11 02:48	9°♌02'11	46°04'25
	6007 Jul 05 07:37	0°♍	
greatest brilliancy	6007 Jul 19 12:09	7°♍56'55	-4.8m
desc. node	6007 Jul 27 20:53	10°♍01'43	
retrograde	6007 Jul 30 12:41	10°♍09'56	
evening set	6007 Aug 15 05:52	5°♍24'59	
min. Earth dist.	6007 Aug 20 13:36	2°♍12'07	0.28923 AU
inferior conj	6007 Aug 21 01:28	1°♍53'29	-5°22'28
minimum elong	6007 Aug 20 15:52	2°♍08'32	5°20'15
	6007 Aug 24 02:25	30°℞♌	
morning rise	6007 Aug 26 02:06	28°♌49'07	
direct	6007 Sep 11 13:19	23°♌40'08	
greatest brilliancy	6007 Sep 21 14:06	25°♌28'22	-4.7m
	6007 Oct 01 03:52	0°♍	
morning max el	6007 Oct 30 08:05	23°♍31'49	45°47'44
	6007 Nov 05 21:33	0°♎	
asc. node	6007 Nov 17 21:55	12°♎30'04	
	6007 Dec 03 19:08	0°♏	
	6007 Dec 29 15:05	0°♐	
	6008 Jan 23 12:15	0°♑	
	6008 Feb 16 21:37	0°♒	
desc. node	6008 Mar 08 13:37	25°♒41'06	
	6008 Mar 12 00:39	0°♓	
	6008 Apr 05 00:32	0°♈	
	6008 Apr 28 23:35	0°♉	
morning set	6008 May 02 20:50	4°♉51'45	
	6008 May 22 23:47	0°♊	
superior conj	6008 Jun 11 02:30	23°♊47'39	-0°42'46
minimum elong	6008 Jun 11 11:29	24°♊15'32	0°42'24
max. Earth dist.	6008 Jun 14 14:03	28°♊07'00	1.72427 AU
	6008 Jun 16 02:28	0°♋	
asc. node	6008 Jun 29 14:22	16°♋43'25	
	6008 Jul 10 08:09	0°♌	
evening rise	6008 Jul 19 07:12	11°♌03'01	
	6008 Aug 03 16:51	0°♍	
	6008 Aug 28 04:50	0°♎	
	6008 Sep 21 21:17	0°♏	
	6008 Oct 16 20:03	0°♐	
desc. node	6008 Oct 19 06:18	2°♐53'51	
	6008 Nov 11 03:37	0°♑	
	6008 Dec 07 00:46	0°♒	
	6009 Jan 03 02:14	0°♓	
evening max el	6009 Jan 14 20:47	12°♓12'24	46°56'49
	6009 Feb 03 02:42	0°♈	
asc. node	6009 Feb 09 07:20	4°♈48'08	
greatest brilliancy	6009 Feb 24 12:52	13°♈22'09	-4.9m
retrograde	6009 Mar 06 11:11	15°♈15'26	
evening set	6009 Mar 23 21:34	9°♈23'35	
min. Earth dist.	6009 Mar 26 16:59	7°♈41'14	0.27036 AU
inferior conj	6009 Mar 27 03:31	7°♈25'01	8°48'51
minimum elong	6009 Mar 26 21:47	7°♈33'51	8°48'21
morning rise	6009 Mar 29 22:04	5°♈43'31	
	6009 Apr 12 14:34	30°℞♓	
direct	6009 Apr 16 16:18	29°♓39'34	
	6009 Apr 20 20:07	0°♈	
greatest brilliancy	6009 Apr 26 01:32	1°♈19'21	-4.9m
desc. node	6009 May 31 23:13	27°♈04'58	
	6009 Jun 03 23:43	0°♉	
morning max el	6009 Jun 05 17:14	1°♉42'01	46°32'20
	6009 Jul 02 13:01	0°♊	
	6009 Jul 29 01:17	0°♋	
	6009 Aug 23 17:55	0°♌	
	6009 Sep 17 22:49	0°♍	
asc. node	6009 Sep 22 00:09	4°♍52'23	
	6009 Oct 12 18:29	0°♎	
	6009 Nov 06 06:29	0°♏	
	6009 Nov 30 12:47	0°♐	
morning set	6009 Dec 01 10:34	1°♐07'35	
	6009 Dec 24 15:18	0°♑	
max. Earth dist.	6010 Jan 06 09:37	15°♑56'16	1.71758 AU
superior conj	6010 Jan 09 01:00	19°♑14'24	0°06'21
minimum elong	6010 Jan 09 02:34	19°♑19'21	0°06'19
behind sun begin	6010 Jan 08 03:15	18°♑06'26	
behind sun end	6010 Jan 10 01:53	20°♑32'16	
desc. node	6010 Jan 11 15:50	22°♑30'56	
	6010 Jan 17 15:20	0°♒	
	6010 Feb 10 13:39	0°♓	
evening rise	6010 Feb 18 06:33	9°♓40'16	
	6010 Mar 06 11:14	0°♈	
	6010 Mar 30 09:55	0°♉	
	6010 Apr 23 12:28	0°♊	
asc. node	6010 May 04 16:42	13°♊47'38	
	6010 May 17 22:10	0°♋	
	6010 Jun 11 19:09	0°♌	
	6010 Jul 07 10:27	0°♍	
	6010 Aug 03 12:57	0°♎	
evening max el	6010 Aug 20 18:39	17°♎28'12	45°34'57
desc. node	6010 Aug 24 08:46	20°♎51'41	
	6010 Sep 03 17:21	0°♏	
greatest brilliancy	6010 Sep 28 15:53	15°♏28'39	-4.7m
retrograde	6010 Oct 08 11:28	17°♏12'41	
evening set	6010 Oct 26 10:59	11°♏08'57	
inferior conj	6010 Oct 29 19:42	9°♏04'33	-8°21'48
minimum elong	6010 Oct 30 00:46	8°♏56'38	8°21'24
min. Earth dist.	6010 Oct 30 10:58	8°♏40'42	0.28798 AU
morning rise	6010 Nov 02 14:24	6°♏44'56	
direct	6010 Nov 20 07:31	0°♏48'13	
greatest brilliancy	6010 Dec 01 07:59	3°♏02'31	-4.8m
asc. node	6010 Dec 15 09:36	10°♏57'51	
	6011 Jan 06 10:40	0°♐	
morning max el	6011 Jan 09 09:43	2°♐55'53	46°28'39
	6011 Feb 03 15:31	0°♑	
	6011 Mar 01 11:46	0°♒	
	6011 Mar 26 09:54	0°♓	
desc. node	6011 Apr 06 01:39	13°♓00'37	
	6011 Apr 19 21:45	0°♈	
	6011 May 14 05:03	0°♉	
	6011 Jun 07 11:17	0°♊	
	6011 Jul 01 18:18	0°♋	
morning set	6011 Jul 14 15:41	15°♋53'34	

	6011 Jul 26 02:29	0°♌	
asc. node	6011 Jul 28 02:16	2°♌27'09	
	6011 Aug 19 11:13	0°♍	
superior conj	6011 Aug 20 22:15	1°♍47'51	0°53'08
minimum elong	6011 Aug 20 13:18	1°♍20'16	0°52'46
max. Earth dist.	6011 Aug 21 05:58	2°♍11'34	1.73387 AU
	6011 Sep 12 19:59	0°♎	
evening rise	6011 Sep 26 02:09	16°♎19'08	
	6011 Oct 07 05:03	0°♏	
	6011 Oct 31 15:13	0°♐	
desc. node	6011 Nov 16 18:07	19°♐45'05	
	6011 Nov 25 03:09	0°♑	
	6011 Dec 19 17:11	0°♒	
	6012 Jan 13 10:28	0°♓	
	6012 Feb 07 11:27	0°♈	
	6012 Mar 04 08:16	0°♉	
asc. node	6012 Mar 08 19:05	4°♉58'58	
evening max el	6012 Mar 28 13:11	26°♉03'22	46°57'46
	6012 Apr 01 12:13	0°♊	
greatest brilliancy	6012 May 07 11:53	26°♊49'00	-4.9m
retrograde	6012 May 18 00:35	28°♊53'07	
evening set	6012 Jun 02 21:54	23°♊55'21	
inferior conj	6012 Jun 08 01:03	20°♊48'26	4°49'04
minimum elong	6012 Jun 08 10:29	20°♊33'46	4°46'32
min. Earth dist.	6012 Jun 07 21:35	20°♊53'50	0.27830 AU
morning rise	6012 Jun 13 23:35	17°♊15'55	
desc. node	6012 Jun 28 11:01	12°♊51'31	
direct	6012 Jun 29 01:34	12°♊51'05	
greatest brilliancy	6012 Jul 08 19:33	14°♊36'17	-4.8m
	6012 Aug 02 11:46	0°♋	
morning max el	6012 Aug 17 01:41	13°♋06'28	45°49'27
	6012 Sep 02 20:26	0°♌	
	6012 Sep 30 07:03	0°♍	
asc. node	6012 Oct 19 12:01	22°♍04'56	
	6012 Oct 26 06:08	0°♎	
	6012 Nov 20 08:50	0°♏	
	6012 Dec 14 22:37	0°♐	
	6013 Jan 08 04:23	0°♑	
	6013 Feb 01 05:20	0°♒	
desc. node	6013 Feb 08 03:44	8°♒41'11	
morning set	6013 Feb 12 17:53	14°♒26'31	
	6013 Feb 25 03:19	0°♓	
	6013 Mar 20 23:48	0°♈	
superior conj	6013 Mar 25 22:58	6°♈14'44	-1°23'32
minimum elong	6013 Mar 25 16:07	5°♈53'12	1°23'25
max. Earth dist.	6013 Mar 27 06:18	7°♈53'16	1.71192 AU
	6013 Apr 13 20:31	0°♉	
evening rise	6013 May 05 14:13	27°♉13'43	
	6013 May 07 19:28	0°♊	
	6013 May 31 22:26	0°♋	
asc. node	6013 Jun 01 04:32	0°♋18'54	
	6013 Jun 25 06:46	0°♌	
	6013 Jul 19 22:00	0°♍	
	6013 Aug 13 22:54	0°♎	
	6013 Sep 08 15:01	0°♏	
desc. node	6013 Sep 20 20:27	13°♏54'03	
	6013 Oct 05 09:53	0°♐	
evening max el	6013 Oct 31 17:09	27°♐07'41	46°02'37
	6013 Nov 03 17:32	0°♑	
greatest brilliancy	6013 Dec 10 10:56	25°♑59'47	-4.8m
retrograde	6013 Dec 19 21:48	27°♑38'43	
evening set	6014 Jan 03 11:44	23°♑31'24	
inferior conj	6014 Jan 09 16:01	19°♑54'22	-0°34'18
minimum elong	6014 Jan 09 17:20	19°♑52'21	0°33'51
min. Earth dist.	6014 Jan 10 03:37	19°♑36'32	0.27060 AU
asc. node	6014 Jan 11 21:30	18°♑32'36	
morning rise	6014 Jan 15 22:13	16°♑13'08	
direct	6014 Jan 30 10:22	12°♑03'05	
greatest brilliancy	6014 Feb 10 02:29	14°♑11'09	-4.9m
	6014 Mar 06 00:29	0°♒	
morning max el	6014 Mar 21 23:39	15°♒04'44	46°59'08
	6014 Apr 05 04:17	0°♓	
	6014 May 01 18:13	0°♈	
desc. node	6014 May 03 13:28	2°♈05'41	
	6014 May 27 04:48	0°♉	
	6014 Jun 21 04:16	0°♊	
	6014 Jul 15 23:07	0°♋	
	6014 Aug 09 15:28	0°♌	
asc. node	6014 Aug 24 14:12	18°♌13'51	
	6014 Sep 03 05:15	0°♍	
morning set	6014 Sep 21 05:36	22°♍05'28	
	6014 Sep 27 15:57	0°♎	
	6014 Oct 21 23:46	0°♏	
max. Earth dist.	6014 Oct 25 11:25	4°♏18'32	1.73015 AU
superior conj	6014 Oct 27 17:13	7°♏04'54	1°23'18
minimum elong	6014 Oct 27 21:29	7°♏18'05	1°23'16
	6014 Nov 15 05:32	0°♐	
evening rise	6014 Dec 04 05:54	23°♐34'42	
	6014 Dec 09 10:07	0°♑	
desc. node	6014 Dec 14 06:00	5°♑59'35	
	6015 Jan 02 13:52	0°♒	
	6015 Jan 26 17:08	0°♓	
	6015 Feb 19 21:13	0°♈	
	6015 Mar 16 05:24	0°♉	
asc. node	6015 Apr 06 06:48	25°♉34'07	
	6015 Apr 09 23:31	0°♊	
	6015 May 05 13:50	0°♋	
	6015 Jun 02 00:15	0°♌	
evening max el	6015 Jun 08 17:25	6°♌46'27	46°06'19
	6015 Jul 06 04:43	0°♍	
greatest brilliancy	6015 Jul 17 04:00	5°♍46'24	-4.8m
desc. node	6015 Jul 26 22:59	7°♍58'38	
retrograde	6015 Jul 28 05:12	8°♍00'30	
evening set	6015 Aug 12 19:58	3°♍18'13	
min. Earth dist.	6015 Aug 18 05:38	0°♍03'01	0.28893 AU
	6015 Aug 18 07:33	30°℞♌	
inferior conj	6015 Aug 18 17:42	29°♌44'05	-5°06'39
minimum elong	6015 Aug 18 08:19	29°♌58'48	5°04'25
morning rise	6015 Aug 23 20:54	26°♌36'19	
direct	6015 Sep 09 04:49	21°♌31'02	
greatest brilliancy	6015 Sep 19 06:08	23°♌19'43	-4.7m
	6015 Oct 02 06:54	0°♍	
morning max el	6015 Oct 27 23:38	21°♍20'49	45°46'58
	6015 Nov 05 16:59	0°♎	
asc. node	6015 Nov 16 23:52	11°♎50'17	
	6015 Dec 03 09:48	0°♏	
	6015 Dec 29 03:57	0°♐	
	6016 Jan 23 00:14	0°♑	
	6016 Feb 16 09:07	0°♒	
desc. node	6016 Mar 07 15:38	25°♒12'19	
	6016 Mar 11 11:52	0°♓	
	6016 Apr 04 11:34	0°♈	
	6016 Apr 28 10:29	0°♉	
morning set	6016 Apr 30 08:58	2°♉25'29	
	6016 May 22 10:34	0°♊	
superior conj	6016 Jun 08 16:39	21°♊29'08	-0°45'53
minimum elong	6016 Jun 09 02:06	21°♊58'31	0°45'31
max. Earth dist.	6016 Jun 12 03:22	25°♊46'04	1.72380 AU
	6016 Jun 15 13:12	0°♋	
asc. node	6016 Jun 28 16:27	16°♋16'38	

	6016 Jul 09 18:53	0°♌	
evening rise	6016 Jul 16 23:45	8°♌53'05	
	6016 Aug 03 03:39	0°♍	
	6016 Aug 27 15:50	0°♎	
	6016 Sep 21 08:41	0°♏	
	6016 Oct 16 08:07	0°♐	
desc. node	6016 Oct 18 08:14	2°♐23'25	
	6016 Nov 10 16:48	0°♑	
	6016 Dec 06 15:56	0°♒	
	6017 Jan 02 21:48	0°♓	
evening max el	6017 Jan 12 11:02	9°♓50'25	46°55'40
	6017 Feb 03 16:46	0°♈	
asc. node	6017 Feb 08 09:23	3°♈28'01	
greatest brilliancy	6017 Feb 22 01:14	10°♈55'00	-4.9m
retrograde	6017 Mar 04 00:58	12°♈49'15	
evening set	6017 Mar 21 06:33	7°♈03'17	
min. Earth dist.	6017 Mar 24 05:09	5°♈16'20	0.27009 AU
inferior conj	6017 Mar 24 16:23	4°♈59'04	8°42'10
minimum elong	6017 Mar 24 09:50	5°♈09'08	8°41'31
morning rise	6017 Mar 27 13:14	3°♈14'21	
	6017 Apr 02 13:45	30°℞♓	
direct	6017 Apr 14 05:26	27°♓14'00	
greatest brilliancy	6017 Apr 23 13:40	28°♓53'26	-4.9m
	6017 Apr 26 10:59	0°♈	
desc. node	6017 May 31 01:18	26°♈10'38	
morning max el	6017 Jun 03 07:43	29°♈22'26	46°33'51
	6017 Jun 03 22:52	0°♉	
	6017 Jul 02 05:16	0°♊	
	6017 Jul 28 14:57	0°♋	
	6017 Aug 23 06:16	0°♌	
	6017 Sep 17 10:26	0°♍	
asc. node	6017 Sep 21 02:03	4°♍23'27	
	6017 Oct 12 05:38	0°♎	
	6017 Nov 05 17:24	0°♏	
morning set	6017 Nov 29 02:18	28°♏53'57	
	6017 Nov 29 23:36	0°♐	
	6017 Dec 24 02:09	0°♑	
max. Earth dist.	6018 Jan 03 21:58	13°♑30'54	1.71799 AU
superior conj	6018 Jan 06 13:48	16°♑50'21	0°10'05
minimum elong	6018 Jan 06 16:17	16°♑58'07	0°09'59
behind sun begin	6018 Jan 05 20:23	15°♑55'55	
behind sun end	6018 Jan 07 12:11	18°♑00'19	
desc. node	6018 Jan 10 17:54	22°♑03'19	
	6018 Jan 17 02:15	0°♒	
	6018 Feb 10 00:40	0°♓	
evening rise	6018 Feb 15 18:00	7°♓10'56	
	6018 Mar 05 22:20	0°♈	
	6018 Mar 29 21:09	0°♉	
	6018 Apr 22 23:54	0°♊	
asc. node	6018 May 03 18:42	13°♊18'09	
	6018 May 17 10:00	0°♋	
	6018 Jun 11 07:45	0°♌	
	6018 Jul 07 00:32	0°♍	
	6018 Aug 03 06:35	0°♎	
evening max el	6018 Aug 18 10:43	15°♎17'59	45°34'58
desc. node	6018 Aug 23 10:45	20°♎00'02	
	6018 Sep 04 01:33	0°♏	
greatest brilliancy	6018 Sep 26 06:18	13°♏16'49	-4.7m
retrograde	6018 Oct 06 02:46	15°♏01'18	
evening set	6018 Oct 24 03:53	8°♏55'38	
inferior conj	6018 Oct 27 11:29	6°♏52'36	-8°26'18
minimum elong	6018 Oct 27 15:51	6°♏45'46	8°25'59
min. Earth dist.	6018 Oct 28 01:35	6°♏30'33	0.28841 AU
morning rise	6018 Oct 31 03:41	4°♏36'28	
	6018 Nov 09 15:41	30°℞♎	
direct	6018 Nov 18 00:03	28°♎36'06	
	6018 Nov 26 15:15	0°♏	
greatest brilliancy	6018 Nov 28 22:41	0°♏48'24	-4.8m
asc. node	6018 Dec 14 11:42	9°♏46'18	
	6019 Jan 06 09:14	0°♐	
morning max el	6019 Jan 07 00:39	0°♐38'28	46°26'53
	6019 Feb 03 07:36	0°♑	
	6019 Mar 01 01:35	0°♒	
	6019 Mar 25 22:36	0°♓	
desc. node	6019 Apr 05 03:29	12°♓28'23	
	6019 Apr 19 09:46	0°♈	
	6019 May 13 16:37	0°♉	
	6019 Jun 06 22:30	0°♊	
	6019 Jul 01 05:17	0°♋	
morning set	6019 Jul 12 08:18	13°♋43'19	
	6019 Jul 25 13:19	0°♌	
asc. node	6019 Jul 27 04:17	2°♌00'02	
superior conj	6019 Aug 18 15:58	29°♌41'30	0°50'33
minimum elong	6019 Aug 18 07:12	29°♌14'29	0°50'12
	6019 Aug 18 21:59	0°♍	
max. Earth dist.	6019 Aug 19 02:48	0°♍14'49	1.73376 AU
	6019 Sep 12 06:46	0°♎	
evening rise	6019 Sep 23 20:10	14°♎13'26	
	6019 Oct 06 15:59	0°♏	
	6019 Oct 31 02:24	0°♐	
desc. node	6019 Nov 15 20:09	19°♐16'21	
	6019 Nov 24 14:44	0°♑	
	6019 Dec 19 05:18	0°♒	
	6020 Jan 12 23:23	0°♓	
	6020 Feb 07 01:41	0°♈	
	6020 Mar 04 01:07	0°♉	
asc. node	6020 Mar 07 20:59	4°♉15'42	
evening max el	6020 Mar 26 03:26	23°♉41'29	46°58'52
	6020 Apr 01 12:46	0°♊	
greatest brilliancy	6020 May 05 04:28	24°♊31'51	-4.9m
retrograde	6020 May 15 15:09	26°♊34'10	
evening set	6020 May 31 15:29	21°♊32'59	
inferior conj	6020 Jun 05 15:38	18°♊30'16	5°07'46
minimum elong	6020 Jun 06 01:26	18°♊15'00	5°05'13
min. Earth dist.	6020 Jun 05 12:39	18°♊34'56	0.27796 AU
morning rise	6020 Jun 11 11:51	15°♊00'37	
direct	6020 Jun 26 15:33	10°♊33'34	
desc. node	6020 Jun 27 13:03	10°♊34'31	
greatest brilliancy	6020 Jul 06 09:26	12°♊18'21	-4.8m
	6020 Aug 02 18:44	0°♋	
morning max el	6020 Aug 14 15:27	10°♋49'21	45°50'24
	6020 Sep 02 14:11	0°♌	
	6020 Sep 29 21:14	0°♍	
asc. node	6020 Oct 18 14:02	21°♍32'58	
	6020 Oct 25 18:46	0°♎	
	6020 Nov 19 20:42	0°♏	
	6020 Dec 14 10:06	0°♐	
	6021 Jan 07 15:40	0°♑	
	6021 Jan 31 16:30	0°♒	
desc. node	6021 Feb 07 05:42	8°♒12'21	
morning set	6021 Feb 10 04:40	11°♒54'52	
	6021 Feb 24 14:25	0°♓	
	6021 Mar 20 10:54	0°♈	
superior conj	6021 Mar 23 09:33	3°♈42'12	-1°22'16
minimum elong	6021 Mar 23 01:49	3°♈17'51	1°22'09
max. Earth dist.	6021 Mar 24 08:18	4°♈53'43	1.71181 AU
	6021 Apr 13 07:38	0°♉	
evening rise	6021 May 03 01:28	24°♉44'04	
	6021 May 07 06:38	0°♊	
asc. node	6021 May 31 06:39	29°♊50'41	
	6021 May 31 09:39	0°♋	

	6021 Jun 24 18:09	0°♌	
	6021 Jul 19 09:44	0°♍	
	6021 Aug 13 11:21	0°♎	
	6021 Sep 08 04:50	0°♏	
desc. node	6021 Sep 19 22:22	13°♏17'50	
	6021 Oct 05 02:39	0°♐	
evening max el	6021 Oct 29 05:54	24°♐46'24	46°00'48
	6021 Nov 03 19:07	0°♑	
greatest brilliancy	6021 Dec 08 00:40	23°♑37'31	-4.8m
retrograde	6021 Dec 17 10:29	25°♑15'46	
evening set	6022 Jan 01 02:05	21°♑06'05	
inferior conj	6022 Jan 07 05:15	17°♑30'53	-0°57'47
minimum elong	6022 Jan 07 07:28	17°♑27'30	0°57'02
min. Earth dist.	6022 Jan 07 18:21	17°♑10'47	0.27106 AU
asc. node	6022 Jan 10 23:31	15°♑14'18	
morning rise	6022 Jan 13 12:03	13°♑48'50	
direct	6022 Jan 27 23:35	9°♑38'26	
greatest brilliancy	6022 Feb 07 18:10	11°♑48'44	-4.9m
	6022 Mar 06 07:51	0°♒	
morning max el	6022 Mar 19 13:29	12°♒40'32	46°59'03
	6022 Apr 04 22:49	0°♓	
	6022 May 01 09:11	0°♈	
desc. node	6022 May 02 15:37	1°♈28'42	
	6022 May 26 18:07	0°♉	
	6022 Jun 20 16:39	0°♊	
	6022 Jul 15 10:51	0°♋	
	6022 Aug 09 02:45	0°♌	
asc. node	6022 Aug 23 16:09	17°♌45'50	
	6022 Sep 02 16:15	0°♍	
morning set	6022 Sep 18 23:10	19°♍58'29	
	6022 Sep 27 02:49	0°♎	
	6022 Oct 21 10:37	0°♏	
max. Earth dist.	6022 Oct 23 07:59	2°♏20'11	1.73050 AU
superior conj	6022 Oct 25 10:37	4°♏56'44	1°23'59
minimum elong	6022 Oct 25 14:13	5°♏07'49	1°23'59
	6022 Nov 14 16:28	0°♐	
evening rise	6022 Dec 01 21:06	21°♐18'46	
	6022 Dec 08 21:13	0°♑	
desc. node	6022 Dec 13 08:06	5°♑31'32	
	6023 Jan 02 01:12	0°♒	
	6023 Jan 26 04:44	0°♓	
	6023 Feb 19 09:10	0°♈	
	6023 Mar 15 17:53	0°♉	
asc. node	6023 Apr 05 08:50	25°♉00'33	
	6023 Apr 09 12:55	0°♊	
	6023 May 05 05:06	0°♋	
	6023 Jun 01 20:24	0°♌	
evening max el	6023 Jun 06 08:50	4°♌31'46	46°08'12
	6023 Jul 07 10:42	0°♍	
greatest brilliancy	6023 Jul 14 19:29	3°♍34'20	-4.8m
retrograde	6023 Jul 25 22:06	5°♍49'48	
desc. node	6023 Jul 26 00:59	5°♍49'47	
evening set	6023 Aug 10 10:07	1°♍10'04	
	6023 Aug 12 10:36	30°℞♌	
inferior conj	6023 Aug 16 09:48	27°♌33'24	-4°50'15
minimum elong	6023 Aug 16 00:41	27°♌47'40	4°48'01
min. Earth dist.	6023 Aug 15 21:19	27°♌52'56	0.28860 AU
morning rise	6023 Aug 21 15:32	24°♌22'23	
direct	6023 Sep 06 20:34	19°♌20'45	
greatest brilliancy	6023 Sep 16 21:27	21°♌09'21	-4.7m
	6023 Oct 03 03:03	0°♍	
morning max el	6023 Oct 25 15:54	19°♍11'00	45°46'18
	6023 Nov 05 12:07	0°♎	
asc. node	6023 Nov 16 02:00	11°♎10'45	
	6023 Dec 03 00:31	0°♏	
	6023 Dec 28 16:57	0°♐	
	6024 Jan 22 12:26	0°♑	
	6024 Feb 15 20:53	0°♒	
desc. node	6024 Mar 06 17:36	24°♒42'25	
	6024 Mar 10 23:22	0°♓	
	6024 Apr 03 22:52	0°♈	
morning set	6024 Apr 27 20:44	29°♈57'15	
	6024 Apr 27 21:37	0°♉	
	6024 May 21 21:34	0°♊	
superior conj	6024 Jun 06 06:31	19°♊08'59	-0°48'56
minimum elong	6024 Jun 06 16:24	19°♊39'45	0°48'34
max. Earth dist.	6024 Jun 09 18:24	23°♊29'43	1.72333 AU
	6024 Jun 15 00:07	0°♋	
asc. node	6024 Jun 27 18:26	15°♋48'58	
	6024 Jul 09 05:48	0°♌	
evening rise	6024 Jul 14 16:14	6°♌42'18	
	6024 Aug 02 14:40	0°♍	
	6024 Aug 27 03:04	0°♎	
	6024 Sep 20 20:17	0°♏	
	6024 Oct 15 20:22	0°♐	
desc. node	6024 Oct 17 10:21	1°♐53'03	
	6024 Nov 10 06:12	0°♑	
	6024 Dec 06 07:27	0°♒	
	6025 Jan 02 18:08	0°♓	
evening max el	6025 Jan 10 01:50	7°♓29'21	46°54'13
	6025 Feb 04 12:03	0°♈	
asc. node	6025 Feb 07 11:17	2°♈04'02	
greatest brilliancy	6025 Feb 19 13:31	8°♈26'44	-4.9m
retrograde	6025 Mar 01 14:24	10°♈21'27	
evening set	6025 Mar 18 15:04	4°♈42'04	
min. Earth dist.	6025 Mar 21 17:12	2°♈49'51	0.26982 AU
inferior conj	6025 Mar 22 05:00	2°♈31'42	8°34'23
minimum elong	6025 Mar 21 21:42	2°♈42'56	8°33'35
morning rise	6025 Mar 25 04:28	0°♈43'09	
	6025 Mar 26 09:56	30°℞♓	
direct	6025 Apr 11 18:32	24°♓47'13	
greatest brilliancy	6025 Apr 21 01:36	26°♓25'56	-4.9m
	6025 Apr 28 22:29	0°♈	
desc. node	6025 May 30 03:22	25°♈16'36	
morning max el	6025 May 31 21:37	27°♈00'40	46°35'22
	6025 Jun 03 21:20	0°♉	
	6025 Jul 01 21:22	0°♊	
	6025 Jul 28 04:36	0°♋	
	6025 Aug 22 18:38	0°♌	
	6025 Sep 16 22:03	0°♍	
asc. node	6025 Sep 20 04:04	3°♍54'43	
	6025 Oct 11 16:49	0°♎	
	6025 Nov 05 04:20	0°♏	
morning set	6025 Nov 26 18:21	26°♏41'15	
	6025 Nov 29 10:26	0°♐	
	6025 Dec 23 12:59	0°♑	
max. Earth dist.	6026 Jan 01 09:02	11°♑01'42	1.71839 AU
superior conj	6026 Jan 04 03:02	14°♑27'46	0°13'45
minimum elong	6026 Jan 04 06:22	14°♑38'12	0°13'37
behind sun begin	6026 Jan 03 16:46	13°♑55'41	
behind sun end	6026 Jan 04 19:59	15°♑20'44	
desc. node	6026 Jan 09 19:51	21°♑35'22	
	6026 Jan 16 13:09	0°♒	
	6026 Feb 09 11:40	0°♓	
evening rise	6026 Feb 13 05:35	4°♓42'03	
	6026 Mar 05 09:27	0°♈	
	6026 Mar 29 08:25	0°♉	
	6026 Apr 22 11:25	0°♊	
asc. node	6026 May 02 20:47	12°♊48'41	
	6026 May 16 21:56	0°♋	
	6026 Jun 10 20:26	0°♌	

	6026 Jul 06 14:46	0°♍	
	6026 Aug 03 00:37	0°♎	
evening max el	6026 Aug 16 02:01	13°♎05'55	45°35'03
desc. node	6026 Aug 22 12:42	19°♎07'24	
	6026 Sep 04 12:39	0°♏	
greatest brilliancy	6026 Sep 23 21:08	11°♏05'36	-4.7m
retrograde	6026 Oct 03 17:38	12°♏50'12	
evening set	6026 Oct 21 20:29	6°♏43'04	
inferior conj	6026 Oct 25 03:17	4°♏41'02	-8°30'00
minimum elong	6026 Oct 25 06:54	4°♏35'22	8°29'48
min. Earth dist.	6026 Oct 25 16:31	4°♏20'17	0.28880 AU
morning rise	6026 Oct 28 17:11	2°♏28'03	
	6026 Nov 02 02:53	30°℞♎	
direct	6026 Nov 15 16:03	26°♎24'16	
greatest brilliancy	6026 Nov 26 13:51	28°♎35'09	-4.8m
	6026 Nov 29 20:51	0°♏	
asc. node	6026 Dec 13 13:38	8°♏36'44	
morning max el	6027 Jan 04 14:52	28°♏19'43	46°25'19
	6027 Jan 06 06:46	0°♐	
	6027 Feb 02 23:15	0°♑	
	6027 Feb 28 15:06	0°♒	
	6027 Mar 25 11:03	0°♓	
desc. node	6027 Apr 04 05:36	11°♓57'36	
	6027 Apr 18 21:35	0°♈	
	6027 May 13 04:00	0°♉	
	6027 Jun 06 09:36	0°♊	
	6027 Jun 30 16:09	0°♋	
morning set	6027 Jul 10 00:30	11°♋32'08	
	6027 Jul 25 00:00	0°♌	
asc. node	6027 Jul 26 06:12	1°♌33'02	
superior conj	6027 Aug 16 09:24	27°♌34'50	0°47'54
minimum elong	6027 Aug 16 00:52	27°♌08'33	0°47'32
max. Earth dist.	6027 Aug 16 22:08	28°♌14'02	1.73361 AU
	6027 Aug 18 08:34	0°♍	
	6027 Sep 11 17:22	0°♎	
evening rise	6027 Sep 21 14:05	12°♎08'07	
	6027 Oct 06 02:43	0°♏	
	6027 Oct 30 13:26	0°♐	
desc. node	6027 Nov 14 22:13	18°♐48'18	
	6027 Nov 24 02:09	0°♑	
	6027 Dec 18 17:15	0°♒	
	6028 Jan 12 12:06	0°♓	
	6028 Feb 06 15:44	0°♈	
	6028 Mar 03 17:56	0°♉	
asc. node	6028 Mar 06 23:03	3°♉33'26	
evening max el	6028 Mar 23 16:46	21°♉18'18	46°59'52
	6028 Apr 01 14:08	0°♊	
greatest brilliancy	6028 May 02 21:01	22°♊15'20	-4.9m
retrograde	6028 May 13 05:28	24°♊16'02	
evening set	6028 May 29 09:05	19°♊11'00	
inferior conj	6028 Jun 03 06:13	16°♊12'47	5°25'58
minimum elong	6028 Jun 03 16:18	15°♊57'03	5°23'26
min. Earth dist.	6028 Jun 03 03:53	16°♊16'25	0.27767 AU
morning rise	6028 Jun 08 23:54	12°♊46'21	
direct	6028 Jun 24 05:07	8°♊16'24	
desc. node	6028 Jun 26 15:01	8°♊23'09	
greatest brilliancy	6028 Jul 03 23:53	10°♊01'33	-4.8m
	6028 Aug 02 23:18	0°♋	
morning max el	6028 Aug 12 05:25	8°♋33'12	45°51'28
	6028 Sep 02 07:16	0°♌	
	6028 Sep 29 10:59	0°♍	
asc. node	6028 Oct 17 16:08	21°♍02'18	
	6028 Oct 25 07:01	0°♎	
	6028 Nov 19 08:13	0°♏	
	6028 Dec 13 21:14	0°♐	
	6029 Jan 07 02:38	0°♑	
	6029 Jan 31 03:21	0°♒	
desc. node	6029 Feb 06 07:40	7°♒44'35	
morning set	6029 Feb 07 15:43	9°♒25'04	
	6029 Feb 24 01:12	0°♓	
	6029 Mar 19 21:38	0°♈	
superior conj	6029 Mar 20 20:24	1°♈11'39	-1°20'51
minimum elong	6029 Mar 20 11:51	0°♈44'43	1°20'42
max. Earth dist.	6029 Mar 21 11:27	1°♈58'59	1.71168 AU
	6029 Apr 12 18:21	0°♉	
evening rise	6029 Apr 30 13:01	22°♉16'37	
	6029 May 06 17:22	0°♊	
asc. node	6029 May 30 08:35	29°♊23'15	
	6029 May 30 20:28	0°♋	
	6029 Jun 24 05:10	0°♌	
	6029 Jul 18 21:08	0°♍	
	6029 Aug 12 23:29	0°♎	
	6029 Sep 07 18:24	0°♏	
desc. node	6029 Sep 19 00:30	12°♏43'05	
	6029 Oct 04 19:19	0°♐	
evening max el	6029 Oct 26 19:21	22°♐28'16	45°59'10
	6029 Nov 03 21:36	0°♑	
greatest brilliancy	6029 Dec 05 13:52	21°♑16'16	-4.8m
retrograde	6029 Dec 14 23:39	22°♑54'33	
evening set	6029 Dec 29 16:44	18°♑42'07	
inferior conj	6030 Jan 04 18:34	15°♑08'52	-1°20'56
minimum elong	6030 Jan 04 21:39	15°♑04'09	1°19'55
min. Earth dist.	6030 Jan 05 08:49	14°♑47'01	0.27157 AU
asc. node	6030 Jan 10 01:29	11°♑59'48	
morning rise	6030 Jan 11 01:45	11°♑26'27	
direct	6030 Jan 25 13:32	7°♑15'15	
greatest brilliancy	6030 Feb 05 09:34	9°♑27'24	-4.9m
	6030 Mar 06 12:32	0°♒	
morning max el	6030 Mar 17 04:27	10°♒20'33	46°58'59
	6030 Apr 04 16:28	0°♓	
	6030 Apr 30 23:31	0°♈	
desc. node	6030 May 01 17:36	0°♈52'54	
	6030 May 26 06:52	0°♉	
	6030 Jun 20 04:28	0°♊	
	6030 Jul 14 22:04	0°♋	
	6030 Aug 08 13:35	0°♌	
asc. node	6030 Aug 22 18:11	17°♌19'23	
	6030 Sep 02 02:51	0°♍	
morning set	6030 Sep 16 16:45	17°♍52'48	
	6030 Sep 26 13:18	0°♎	
	6030 Oct 20 21:04	0°♏	
max. Earth dist.	6030 Oct 21 04:54	0°♏24'12	1.73081 AU
superior conj	6030 Oct 23 03:59	2°♏49'42	1°24'33
minimum elong	6030 Oct 23 06:54	2°♏58'42	1°24'33
	6030 Nov 14 03:00	0°♐	
evening rise	6030 Nov 29 12:19	19°♐04'13	
	6030 Dec 08 07:54	0°♑	
desc. node	6030 Dec 12 09:59	5°♑04'06	
	6031 Jan 01 12:07	0°♒	
	6031 Jan 25 15:58	0°♓	
	6031 Feb 18 20:48	0°♈	
	6031 Mar 15 06:03	0°♉	
asc. node	6031 Apr 04 10:56	24°♉28'17	
	6031 Apr 09 02:01	0°♊	
	6031 May 04 20:05	0°♋	
	6031 Jun 01 16:35	0°♌	
evening max el	6031 Jun 04 01:10	2°♌20'56	46°10'10
	6031 Jul 09 05:13	0°♍	
greatest brilliancy	6031 Jul 12 11:03	1°♍24'13	-4.8m
retrograde	6031 Jul 23 15:09	3°♍40'47	
desc. node	6031 Jul 25 02:54	3°♍38'08	

	6031 Aug 06 06:31	30°℞♌	
evening set	6031 Aug 08 00:37	29°♌03'35	
min. Earth dist.	6031 Aug 13 13:01	25°♌44'48	0.28828 AU
inferior conj	6031 Aug 14 02:02	25°♌24'26	-4°33'34
minimum elong	6031 Aug 13 17:14	25°♌38'12	4°31'21
morning rise	6031 Aug 19 10:14	22°♌10'14	
direct	6031 Sep 04 12:55	17°♌12'19	
greatest brilliancy	6031 Sep 14 12:30	19°♌00'13	-4.7m
	6031 Oct 03 17:17	0°♍	
morning max el	6031 Oct 23 08:28	17°♍03'15	45°45'30
	6031 Nov 05 06:19	0°♎	
asc. node	6031 Nov 15 03:54	10°♎32'03	
	6031 Dec 02 14:40	0°♏	
	6031 Dec 28 05:31	0°♐	
	6032 Jan 22 00:13	0°♑	
	6032 Feb 15 08:14	0°♒	
desc. node	6032 Mar 05 19:38	24°♒13'57	
	6032 Mar 10 10:29	0°♓	
	6032 Apr 03 09:49	0°♈	
morning set	6032 Apr 25 08:26	27°♈29'45	
	6032 Apr 27 08:25	0°♉	
	6032 May 21 08:14	0°♊	
superior conj	6032 Jun 03 20:24	16°♊49'50	-0°51'56
minimum elong	6032 Jun 04 06:40	17°♊21'48	0°51'33
max. Earth dist.	6032 Jun 07 10:56	21°♊18'57	1.72280 AU
	6032 Jun 14 10:42	0°♋	
asc. node	6032 Jun 26 20:23	15°♋22'21	
	6032 Jul 08 16:21	0°♌	
evening rise	6032 Jul 12 08:50	4°♌32'59	
	6032 Aug 02 01:17	0°♍	
	6032 Aug 26 13:55	0°♎	
	6032 Sep 20 07:33	0°♏	
	6032 Oct 15 08:22	0°♐	
desc. node	6032 Oct 16 12:19	1°♐23'05	
	6032 Nov 09 19:25	0°♑	
	6032 Dec 05 22:55	0°♒	
	6033 Jan 02 14:51	0°♓	
evening max el	6033 Jan 07 16:28	5°♓08'46	46°52'42
	6033 Feb 05 13:42	0°♈	
asc. node	6033 Feb 06 13:21	0°♈38'14	
greatest brilliancy	6033 Feb 17 02:19	6°♈00'00	-4.9m
retrograde	6033 Feb 27 03:22	7°♈54'18	
evening set	6033 Mar 15 23:31	2°♈21'58	
min. Earth dist.	6033 Mar 19 05:38	0°♈23'41	0.26957 AU
inferior conj	6033 Mar 19 17:39	0°♈05'12	8°25'43
minimum elong	6033 Mar 19 09:38	0°♈17'33	8°24'42
	6033 Mar 19 21:02	30°℞♓	
morning rise	6033 Mar 22 19:54	28°♓12'22	
direct	6033 Apr 09 07:26	22°♓21'14	
greatest brilliancy	6033 Apr 18 14:07	23°♓59'33	-4.9m
	6033 Apr 30 12:04	0°♈	
desc. node	6033 May 29 05:15	24°♈23'48	
morning max el	6033 May 29 10:44	24°♈37'24	46°36'53
	6033 Jun 03 18:42	0°♉	
	6033 Jul 01 12:59	0°♊	
	6033 Jul 27 17:52	0°♋	
	6033 Aug 22 06:41	0°♌	
	6033 Sep 16 09:22	0°♍	
asc. node	6033 Sep 19 06:09	3°♍27'07	
	6033 Oct 11 03:44	0°♎	
	6033 Nov 04 15:02	0°♏	
morning set	6033 Nov 24 10:25	24°♏29'11	
	6033 Nov 28 21:06	0°♐	
	6033 Dec 22 23:40	0°♑	
max. Earth dist.	6033 Dec 29 18:32	8°♑28'04	1.71884 AU
superior conj	6034 Jan 01 16:16	12°♑05'44	0°17'23
minimum elong	6034 Jan 01 20:26	12°♑18'46	0°17'13
desc. node	6034 Jan 08 21:52	21°♑08'04	
	6034 Jan 15 23:56	0°♒	
	6034 Feb 08 22:33	0°♓	
evening rise	6034 Feb 10 17:00	2°♓13'09	
	6034 Mar 04 20:27	0°♈	
	6034 Mar 28 19:35	0°♉	
	6034 Apr 21 22:52	0°♊	
asc. node	6034 May 01 22:42	12°♊18'59	
	6034 May 16 09:50	0°♋	
	6034 Jun 10 09:08	0°♌	
	6034 Jul 06 05:03	0°♍	
	6034 Aug 02 18:56	0°♎	
evening max el	6034 Aug 13 16:39	10°♎52'42	45°35'20
desc. node	6034 Aug 21 14:50	18°♎14'41	
	6034 Sep 05 03:10	0°♏	
greatest brilliancy	6034 Sep 21 12:10	8°♏55'31	-4.7m
retrograde	6034 Oct 01 08:41	10°♏40'33	
evening set	6034 Oct 19 12:58	4°♏32'13	
inferior conj	6034 Oct 22 19:21	2°♏30'50	-8°32'56
minimum elong	6034 Oct 22 22:11	2°♏26'23	8°32'48
min. Earth dist.	6034 Oct 23 07:51	2°♏11'11	0.28919 AU
morning rise	6034 Oct 26 07:14	0°♏20'40	
	6034 Oct 26 20:59	30°℞♎	
direct	6034 Nov 13 07:54	24°♎13'36	
greatest brilliancy	6034 Nov 24 05:49	26°♎23'51	-4.8m
	6034 Dec 01 16:52	0°♏	
asc. node	6034 Dec 12 15:38	7°♏29'40	
morning max el	6035 Jan 02 05:06	26°♏01'18	46°23'36
	6035 Jan 06 03:28	0°♐	
	6035 Feb 02 14:41	0°♑	
	6035 Feb 28 04:33	0°♒	
	6035 Mar 24 23:29	0°♓	
desc. node	6035 Apr 03 07:39	11°♓26'29	
	6035 Apr 18 09:24	0°♈	
	6035 May 12 15:25	0°♉	
	6035 Jun 05 20:43	0°♊	
	6035 Jun 30 03:04	0°♋	
morning set	6035 Jul 07 16:31	9°♋20'02	
	6035 Jul 24 10:46	0°♌	
asc. node	6035 Jul 25 08:17	1°♌06'18	
superior conj	6035 Aug 14 02:52	25°♌27'59	0°45'10
minimum elong	6035 Aug 13 18:36	25°♌02'31	0°44'48
max. Earth dist.	6035 Aug 14 16:08	26°♌08'51	1.73342 AU
	6035 Aug 17 19:14	0°♍	
	6035 Sep 11 04:03	0°♎	
evening rise	6035 Sep 19 08:13	10°♎03'19	
	6035 Oct 05 13:32	0°♏	
	6035 Oct 30 00:30	0°♐	
desc. node	6035 Nov 14 00:08	18°♐19'43	
	6035 Nov 23 13:38	0°♑	
	6035 Dec 18 05:19	0°♒	
	6036 Jan 12 01:03	0°♓	
	6036 Feb 06 06:10	0°♈	
	6036 Mar 03 11:25	0°♉	
asc. node	6036 Mar 06 01:06	2°♉49'42	
evening max el	6036 Mar 21 05:47	18°♉53'16	47°00'53
	6036 Apr 01 17:26	0°♊	
greatest brilliancy	6036 Apr 30 12:52	19°♊56'32	-4.9m
retrograde	6036 May 10 19:46	21°♊56'23	
evening set	6036 May 27 02:28	16°♊46'58	
inferior conj	6036 May 31 20:31	13°♊53'34	5°43'50
minimum elong	6036 Jun 01 06:51	13°♊37'29	5°41'17
min. Earth dist.	6036 May 31 18:44	13°♊56'21	0.27740 AU
morning rise	6036 Jun 06 11:30	10°♊30'54	

direct	6036 Jun 21 18:19	5°♊57'20	
desc. node	6036 Jun 25 17:04	6°♊15'14	
greatest brilliancy	6036 Jul 01 14:05	7°♊43'13	-4.8m
	6036 Aug 03 02:32	0°♋	
morning max el	6036 Aug 09 20:02	6°♋17'37	45°52'41
	6036 Sep 02 00:17	0°♌	
	6036 Sep 29 00:50	0°♍	
asc. node	6036 Oct 16 18:01	20°♍30'25	
	6036 Oct 24 19:25	0°♎	
	6036 Nov 18 19:53	0°♏	
	6036 Dec 13 08:32	0°♐	
	6037 Jan 06 13:44	0°♑	
	6037 Jan 30 14:23	0°♒	
morning set	6037 Feb 05 02:57	6°♒55'11	
desc. node	6037 Feb 05 09:46	7°♒16'32	
	6037 Feb 23 12:13	0°♓	
superior conj	6037 Mar 18 06:54	28°♓38'54	-1°19'16
minimum elong	6037 Mar 17 21:34	28°♓09'34	1°19'03
max. Earth dist.	6037 Mar 18 16:29	29°♓09'05	1.71166 AU
	6037 Mar 19 08:40	0°♈	
	6037 Apr 12 05:25	0°♉	
evening rise	6037 Apr 28 00:01	19°♉46'19	
	6037 May 06 04:27	0°♊	
asc. node	6037 May 29 10:32	28°♊54'44	
	6037 May 30 07:38	0°♋	
	6037 Jun 23 16:32	0°♌	
	6037 Jul 18 08:57	0°♍	
	6037 Aug 12 12:05	0°♎	
	6037 Sep 07 08:29	0°♏	
desc. node	6037 Sep 18 02:28	12°♏06'28	
	6037 Oct 04 12:43	0°♐	
evening max el	6037 Oct 24 09:52	20°♐12'02	45°57'42
	6037 Nov 04 02:05	0°♑	
greatest brilliancy	6037 Dec 03 02:41	18°♑54'34	-4.8m
retrograde	6037 Dec 12 13:16	20°♑33'13	
evening set	6037 Dec 27 07:46	16°♑18'06	
inferior conj	6038 Jan 02 08:02	12°♑46'43	-1°43'44
minimum elong	6038 Jan 02 11:57	12°♑40'44	1°42'29
min. Earth dist.	6038 Jan 02 23:00	12°♑23'49	0.27207 AU
morning rise	6038 Jan 08 15:25	9°♑04'18	
asc. node	6038 Jan 09 03:31	8°♑48'13	
direct	6038 Jan 23 04:09	4°♑52'18	
greatest brilliancy	6038 Feb 03 00:24	7°♑05'15	-4.9m
	6038 Mar 06 15:44	0°♒	
morning max el	6038 Mar 14 19:47	8°♒00'49	46°58'30
	6038 Apr 04 10:04	0°♓	
desc. node	6038 Apr 30 19:30	0°♈15'48	
	6038 Apr 30 14:07	0°♈	
	6038 May 25 20:00	0°♉	
	6038 Jun 19 16:43	0°♊	
	6038 Jul 14 09:44	0°♋	
	6038 Aug 08 00:50	0°♌	
asc. node	6038 Aug 21 20:12	16°♌51'37	
	6038 Sep 01 13:51	0°♍	
morning set	6038 Sep 14 10:03	15°♍44'59	
	6038 Sep 26 00:11	0°♎	
max. Earth dist.	6038 Oct 19 00:41	28°♎23'27	1.73108 AU
	6038 Oct 20 07:57	0°♏	
superior conj	6038 Oct 20 21:16	0°♏41'09	1°25'00
minimum elong	6038 Oct 20 23:28	0°♏47'59	1°25'00
	6038 Nov 13 13:56	0°♐	
evening rise	6038 Nov 27 03:38	16°♐48'46	
	6038 Dec 07 18:58	0°♑	
desc. node	6038 Dec 11 12:02	4°♑36'00	
	6038 Dec 31 23:24	0°♒	
	6039 Jan 25 03:32	0°♓	
	6039 Feb 18 08:46	0°♈	
	6039 Mar 14 18:37	0°♉	
asc. node	6039 Apr 03 12:47	23°♉53'55	
	6039 Apr 08 15:36	0°♊	
	6039 May 04 11:48	0°♋	
evening max el	6039 Jun 01 17:50	0°♌08'58	46°11'59
	6039 Jun 01 14:12	0°♌	
greatest brilliancy	6039 Jul 10 02:56	29°♌12'09	-4.8m
	6039 Jul 12 09:02	0°♍	
retrograde	6039 Jul 21 07:41	1°♍28'58	
desc. node	6039 Jul 24 05:01	1°♍18'57	
	6039 Jul 29 21:26	30°℞♌	
evening set	6039 Aug 05 15:02	26°♌54'28	
min. Earth dist.	6039 Aug 11 04:33	23°♌33'52	0.28791 AU
inferior conj	6039 Aug 11 17:57	23°♌12'54	-4°16'15
minimum elong	6039 Aug 11 09:32	23°♌26'04	4°14'04
morning rise	6039 Aug 17 04:32	19°♌55'27	
direct	6039 Sep 02 05:09	15°♌01'33	
greatest brilliancy	6039 Sep 12 03:01	16°♌48'18	-4.7m
	6039 Oct 04 04:40	0°♍	
morning max el	6039 Oct 21 00:02	14°♍51'37	45°44'45
	6039 Nov 05 00:35	0°♎	
asc. node	6039 Nov 14 05:55	9°♎52'40	
	6039 Dec 02 05:08	0°♏	
	6039 Dec 27 18:24	0°♐	
	6040 Jan 21 12:19	0°♑	
	6040 Feb 14 19:55	0°♒	
desc. node	6040 Mar 04 21:39	23°♒44'28	
	6040 Mar 09 21:54	0°♓	
	6040 Apr 02 21:03	0°♈	
morning set	6040 Apr 22 20:16	25°♈01'45	
	6040 Apr 26 19:30	0°♉	
	6040 May 20 19:15	0°♊	
superior conj	6040 Jun 01 10:07	14°♊28'56	-0°54'50
minimum elong	6040 Jun 01 20:40	15°♊01'47	0°54'27
max. Earth dist.	6040 Jun 05 03:53	19°♊08'16	1.72233 AU
	6040 Jun 13 21:40	0°♋	
asc. node	6040 Jun 25 22:28	14°♋54'53	
	6040 Jul 08 03:21	0°♌	
evening rise	6040 Jul 10 00:55	2°♌20'37	
	6040 Aug 01 12:22	0°♍	
	6040 Aug 26 01:13	0°♎	
	6040 Sep 19 19:17	0°♏	
	6040 Oct 14 20:52	0°♐	
desc. node	6040 Oct 15 14:15	0°♐51'36	
	6040 Nov 09 09:12	0°♑	
	6040 Dec 05 15:05	0°♒	
	6041 Jan 02 12:46	0°♓	
evening max el	6041 Jan 05 06:27	2°♓45'28	46°51'13
asc. node	6041 Feb 05 15:24	29°♓08'30	
	6041 Feb 07 02:31	0°♈	
greatest brilliancy	6041 Feb 14 15:49	3°♈33'20	-4.9m
retrograde	6041 Feb 24 15:56	5°♈26'39	
evening set	6041 Mar 13 08:02	0°♈01'33	
	6041 Mar 13 09:06	30°℞♓	
inferior conj	6041 Mar 17 06:26	27°♓38'28	8°16'05
minimum elong	6041 Mar 16 21:47	27°♓51'48	8°14'53
min. Earth dist.	6041 Mar 16 18:36	27°♓56'43	0.26927 AU
morning rise	6041 Mar 20 11:39	25°♓41'03	
direct	6041 Apr 06 19:55	19°♓54'59	
greatest brilliancy	6041 Apr 16 03:18	21°♓33'33	-4.9m
	6041 May 01 14:43	0°♈	
morning max el	6041 May 26 22:53	22°♈11'03	46°38'19
desc. node	6041 May 28 07:22	23°♈32'03	
	6041 Jun 03 15:30	0°♉	

	6041 Jul 01 04:36	0°♊	
	6041 Jul 27 07:21	0°♋	
	6041 Aug 21 19:01	0°♌	
	6041 Sep 15 21:02	0°♍	
asc. node	6041 Sep 18 08:03	2°♍57'51	
	6041 Oct 10 14:58	0°♎	
	6041 Nov 04 02:04	0°♏	
morning set	6041 Nov 22 02:14	22°♏15'28	
	6041 Nov 28 08:03	0°♐	
	6041 Dec 22 10:40	0°♑	
max. Earth dist.	6041 Dec 27 05:50	5°♑59'15	1.71932 AU
superior conj	6041 Dec 30 05:28	9°♑42'47	0°21'00
minimum elong	6041 Dec 30 10:27	9°♑58'17	0°20'47
desc. node	6042 Jan 07 23:55	20°♑40'00	
	6042 Jan 15 11:01	0°♒	
evening rise	6042 Feb 08 04:33	29°♒43'52	
	6042 Feb 08 09:42	0°♓	
	6042 Mar 04 07:42	0°♈	
	6042 Mar 28 06:58	0°♉	
	6042 Apr 21 10:29	0°♊	
asc. node	6042 May 01 00:43	11°♊49'08	
	6042 May 15 21:53	0°♋	
	6042 Jun 09 22:00	0°♌	
	6042 Jul 05 19:40	0°♍	
	6042 Aug 02 14:02	0°♎	
evening max el	6042 Aug 11 06:49	8°♎37'34	45°35'32
desc. node	6042 Aug 20 16:47	17°♎19'31	
	6042 Sep 05 23:24	0°♏	
greatest brilliancy	6042 Sep 19 02:41	6°♏43'44	-4.7m
retrograde	6042 Sep 28 23:53	8°♏29'53	
evening set	6042 Oct 17 05:00	2°♏20'33	
inferior conj	6042 Oct 20 11:17	0°♏19'27	-8°35'04
minimum elong	6042 Oct 20 13:20	0°♏16'13	8°34'59
	6042 Oct 20 23:41	30°℞♎	
min. Earth dist.	6042 Oct 20 23:03	0°♏00'59	0.28959 AU
morning rise	6042 Oct 23 21:31	28°♎11'48	
direct	6042 Nov 10 23:33	22°♎01'40	
greatest brilliancy	6042 Nov 21 22:06	24°♎12'05	-4.8m
	6042 Dec 02 23:18	0°♏	
asc. node	6042 Dec 11 17:43	6°♏23'38	
morning max el	6042 Dec 30 19:37	23°♏43'02	46°21'59
	6043 Jan 05 23:46	0°♐	
	6043 Feb 02 06:04	0°♑	
	6043 Feb 27 18:03	0°♒	
	6043 Mar 24 12:00	0°♓	
desc. node	6043 Apr 02 09:29	10°♓54'30	
	6043 Apr 17 21:17	0°♈	
	6043 May 12 02:52	0°♉	
	6043 Jun 05 07:52	0°♊	
	6043 Jun 29 13:59	0°♋	
morning set	6043 Jul 05 08:47	7°♋08'39	
	6043 Jul 23 21:30	0°♌	
asc. node	6043 Jul 24 10:16	0°♌39'20	
superior conj	6043 Aug 11 20:27	23°♌21'28	0°42'23
minimum elong	6043 Aug 11 12:30	22°♌56'58	0°42'01
max. Earth dist.	6043 Aug 12 11:02	24°♌06'23	1.73330 AU
	6043 Aug 17 05:55	0°♍	
	6043 Sep 10 14:47	0°♎	
evening rise	6043 Sep 17 02:26	7°♎58'38	
	6043 Oct 05 00:26	0°♏	
	6043 Oct 29 11:42	0°♐	
desc. node	6043 Nov 13 02:10	17°♐51'06	
	6043 Nov 23 01:14	0°♑	
	6043 Dec 17 17:31	0°♒	
	6044 Jan 11 14:10	0°♓	
	6044 Feb 05 20:50	0°♈	
	6044 Mar 03 05:20	0°♉	
asc. node	6044 Mar 05 02:59	2°♉04'47	
evening max el	6044 Mar 18 19:24	16°♉29'45	47°01'56
	6044 Apr 01 22:31	0°♊	
greatest brilliancy	6044 Apr 28 04:12	17°♊37'09	-4.9m
retrograde	6044 May 08 10:36	19°♊36'58	
evening set	6044 May 24 19:59	14°♊22'53	
inferior conj	6044 May 29 10:50	11°♊34'30	6°01'07
minimum elong	6044 May 29 21:21	11°♊18'09	5°58'37
min. Earth dist.	6044 May 29 09:17	11°♊36'55	0.27710 AU
morning rise	6044 Jun 03 22:58	8°♊16'07	
direct	6044 Jun 19 07:55	3°♊38'30	
desc. node	6044 Jun 24 19:04	4°♊12'37	
greatest brilliancy	6044 Jun 29 03:54	5°♊24'56	-4.8m
	6044 Aug 03 03:59	0°♋	
morning max el	6044 Aug 07 11:24	4°♋04'29	45°53'56
	6044 Sep 01 16:44	0°♌	
	6044 Sep 28 14:22	0°♍	
asc. node	6044 Oct 15 20:01	19°♍59'26	
	6044 Oct 24 07:39	0°♎	
	6044 Nov 18 07:27	0°♏	
	6044 Dec 12 19:46	0°♐	
	6045 Jan 06 00:48	0°♑	
	6045 Jan 30 01:21	0°♒	
morning set	6045 Feb 02 14:11	4°♒25'38	
desc. node	6045 Feb 04 11:41	6°♒48'12	
	6045 Feb 22 23:09	0°♓	
superior conj	6045 Mar 15 17:13	26°♓05'59	-1°17'29
minimum elong	6045 Mar 15 07:12	25°♓34'29	1°17'15
max. Earth dist.	6045 Mar 16 00:18	26°♓28'15	1.71164 AU
	6045 Mar 18 19:36	0°♈	
	6045 Apr 11 16:22	0°♉	
evening rise	6045 Apr 25 11:00	17°♉16'21	
	6045 May 05 15:25	0°♊	
asc. node	6045 May 28 12:38	28°♊27'07	
	6045 May 29 18:40	0°♋	
	6045 Jun 23 03:45	0°♌	
	6045 Jul 17 20:33	0°♍	
	6045 Aug 12 00:27	0°♎	
	6045 Sep 06 22:25	0°♏	
desc. node	6045 Sep 17 04:24	11°♏30'19	
	6045 Oct 04 06:13	0°♐	
evening max el	6045 Oct 22 00:51	17°♐57'44	45°55'59
	6045 Nov 04 08:20	0°♑	
greatest brilliancy	6045 Nov 30 15:34	16°♑33'29	-4.8m
retrograde	6045 Dec 10 02:42	18°♑12'02	
evening set	6045 Dec 24 22:58	13°♑54'22	
inferior conj	6045 Dec 30 21:27	10°♑24'53	-2°06'24
minimum elong	6045 Dec 31 02:10	10°♑17'38	2°04'54
min. Earth dist.	6045 Dec 31 13:05	10°♑00'55	0.27262 AU
morning rise	6046 Jan 06 04:44	6°♑42'33	
asc. node	6046 Jan 08 05:30	5°♑40'14	
direct	6046 Jan 20 18:52	2°♑29'47	
greatest brilliancy	6046 Jan 31 14:55	4°♑42'54	-4.9m
	6046 Mar 06 17:21	0°♒	
morning max el	6046 Mar 12 10:31	5°♒39'59	46°58'01
	6046 Apr 04 03:09	0°♓	
desc. node	6046 Apr 29 21:38	29°♓40'17	
	6046 Apr 30 04:20	0°♈	
	6046 May 25 08:47	0°♉	
	6046 Jun 19 04:38	0°♊	
	6046 Jul 13 21:05	0°♋	
	6046 Aug 07 11:47	0°♌	
asc. node	6046 Aug 20 22:07	16°♌24'31	
	6046 Sep 01 00:31	0°♍	

morning set	6046 Sep 12 03:48	13°♍39'38	
	6046 Sep 25 10:43	0°♎	
max. Earth dist.	6046 Oct 16 20:05	26°♎22'40	1.73134 AU
superior conj	6046 Oct 18 15:01	28°♎35'14	1°25'19
minimum elong	6046 Oct 18 16:31	28°♎39'52	1°25'20
	6046 Oct 19 18:28	0°♏	
	6046 Nov 13 00:33	0°♐	
evening rise	6046 Nov 24 19:15	14°♐35'17	
	6046 Dec 07 05:46	0°♑	
desc. node	6046 Dec 10 14:07	4°♑08'55	
	6046 Dec 31 10:28	0°♒	
	6047 Jan 24 14:55	0°♓	
	6047 Feb 17 20:34	0°♈	
	6047 Mar 14 07:00	0°♉	
asc. node	6047 Apr 02 14:50	23°♉20'42	
	6047 Apr 08 05:02	0°♊	
	6047 May 04 03:28	0°♋	
evening max el	6047 May 30 10:01	27°♋56'42	46°13'51
	6047 Jun 01 12:15	0°♌	
greatest brilliancy	6047 Jul 07 19:40	27°♌02'18	-4.8m
retrograde	6047 Jul 18 23:58	29°♌18'29	
desc. node	6047 Jul 23 06:58	28°♌56'23	
evening set	6047 Aug 03 05:46	24°♌46'39	
inferior conj	6047 Aug 09 10:01	21°♌02'57	-3°58'32
minimum elong	6047 Aug 09 02:02	21°♌15'28	3°56'26
min. Earth dist.	6047 Aug 08 20:34	21°♌24'02	0.28749 AU
morning rise	6047 Aug 14 22:50	17°♌42'13	
direct	6047 Aug 30 21:14	12°♌52'27	
greatest brilliancy	6047 Sep 09 17:55	14°♌38'08	-4.7m
	6047 Oct 04 12:22	0°♍	
morning max el	6047 Oct 18 14:53	12°♍39'38	45°44'10
	6047 Nov 04 17:53	0°♎	
asc. node	6047 Nov 13 08:00	9°♎15'14	
	6047 Dec 01 18:56	0°♏	
	6047 Dec 27 06:47	0°♐	
	6048 Jan 21 00:02	0°♑	
	6048 Feb 14 07:16	0°♒	
desc. node	6048 Mar 03 23:36	23°♒15'38	
	6048 Mar 09 09:03	0°♓	
	6048 Apr 02 08:01	0°♈	
morning set	6048 Apr 20 07:34	22°♈32'48	
	6048 Apr 26 06:20	0°♉	
	6048 May 20 05:57	0°♊	
superior conj	6048 May 29 23:30	12°♊07'56	-0°57'39
minimum elong	6048 May 30 10:16	12°♊41'28	0°57'17
max. Earth dist.	6048 Jun 02 20:17	16°♊56'43	1.72180 AU
	6048 Jun 13 08:18	0°♋	
asc. node	6048 Jun 25 00:25	14°♋28'02	
evening rise	6048 Jul 07 16:48	0°♌08'41	
	6048 Jul 07 14:00	0°♌	
	6048 Jul 31 23:07	0°♍	
	6048 Aug 25 12:10	0°♎	
	6048 Sep 19 06:39	0°♏	
	6048 Oct 14 08:59	0°♐	
desc. node	6048 Oct 14 16:22	0°♐21'54	
	6048 Nov 08 22:37	0°♑	
	6048 Dec 05 07:00	0°♒	
	6049 Jan 02 11:01	0°♓	
evening max el	6049 Jan 02 19:15	0°♓20'34	46°49'26
asc. node	6049 Feb 04 17:17	27°♓36'00	
	6049 Feb 09 10:39	0°♈	
greatest brilliancy	6049 Feb 12 05:16	1°♈07'13	-4.9m
retrograde	6049 Feb 22 03:59	2°♈59'33	
	6049 Mar 06 08:15	30°℞♓	
evening set	6049 Mar 10 16:13	27°♓41'31	
inferior conj	6049 Mar 14 19:04	25°♓12'06	8°05'13
minimum elong	6049 Mar 14 09:49	25°♓26'20	8°03'50
min. Earth dist.	6049 Mar 14 07:41	25°♓29'37	0.26907 AU
morning rise	6049 Mar 18 03:32	23°♓09'47	
direct	6049 Apr 04 07:53	17°♓28'40	
greatest brilliancy	6049 Apr 13 17:02	19°♓08'20	-4.9m
	6049 May 02 10:06	0°♈	
morning max el	6049 May 24 10:51	19°♈44'28	46°39'53
desc. node	6049 May 27 09:22	22°♈41'24	
	6049 Jun 03 11:27	0°♉	
	6049 Jun 30 19:44	0°♊	
	6049 Jul 26 20:25	0°♋	
	6049 Aug 21 06:57	0°♌	
	6049 Sep 15 08:17	0°♍	
asc. node	6049 Sep 17 10:03	2°♍30'06	
	6049 Oct 10 01:49	0°♎	
	6049 Nov 03 12:42	0°♏	
morning set	6049 Nov 19 18:36	20°♏04'38	
	6049 Nov 27 18:36	0°♐	
	6049 Dec 21 21:15	0°♑	
max. Earth dist.	6049 Dec 24 20:43	3°♑42'56	1.71977 AU
superior conj	6049 Dec 27 19:21	7°♑23'15	0°24'31
minimum elong	6049 Dec 28 01:03	7°♑41'03	0°24'15
desc. node	6050 Jan 07 01:52	20°♑12'55	
	6050 Jan 14 21:40	0°♒	
evening rise	6050 Feb 05 16:41	27°♒17'46	
	6050 Feb 07 20:28	0°♓	
	6050 Mar 03 18:36	0°♈	
	6050 Mar 27 18:05	0°♉	
	6050 Apr 20 21:54	0°♊	
asc. node	6050 Apr 30 02:46	11°♊19'56	
	6050 May 15 09:47	0°♋	
	6050 Jun 09 10:46	0°♌	
	6050 Jul 05 10:14	0°♍	
	6050 Aug 02 09:23	0°♎	
evening max el	6050 Aug 08 21:11	6°♎23'49	45°36'02
desc. node	6050 Aug 19 18:43	16°♎24'00	
	6050 Sep 07 02:33	0°♏	
greatest brilliancy	6050 Sep 16 16:41	4°♏32'27	-4.7m
retrograde	6050 Sep 26 15:41	6°♏20'29	
evening set	6050 Oct 14 20:46	0°♏10'25	
	6050 Oct 15 03:39	30°℞♎	
inferior conj	6050 Oct 18 03:15	28°♎09'09	-8°36'26
minimum elong	6050 Oct 18 04:32	28°♎07'07	8°36'24
min. Earth dist.	6050 Oct 18 13:57	27°♎52'24	0.28993 AU
morning rise	6050 Oct 21 12:10	26°♎03'42	
direct	6050 Nov 08 15:32	19°♎50'51	
greatest brilliancy	6050 Nov 19 14:04	22°♎01'19	-4.8m
	6050 Dec 03 20:38	0°♏	
asc. node	6050 Dec 10 19:38	5°♏20'01	
morning max el	6050 Dec 28 11:09	21°♏28'41	46°20'34
	6051 Jan 05 19:01	0°♐	
	6051 Feb 01 20:51	0°♑	
	6051 Feb 27 07:03	0°♒	
	6051 Mar 24 00:05	0°♓	
desc. node	6051 Apr 01 11:38	10°♓24'33	
	6051 Apr 17 08:51	0°♈	
	6051 May 11 14:05	0°♉	
	6051 Jun 04 18:50	0°♊	
	6051 Jun 29 00:44	0°♋	
morning set	6051 Jul 03 00:31	4°♋55'52	
	6051 Jul 23 08:06	0°♌	
asc. node	6051 Jul 23 12:12	0°♌12'38	
superior conj	6051 Aug 09 13:32	21°♌13'48	0°39'29
minimum elong	6051 Aug 09 05:57	20°♌50'27	0°39'08

max. Earth dist.	6051 Aug 10	06:37	22°♌06'27	1.73313 AU
	6051 Aug 16	16:26	0°♍	
	6051 Sep 10	01:20	0°♎	
evening rise	6051 Sep 14	20:27	5°♎53'57	
	6051 Oct 04	11:10	0°♏	
	6051 Oct 28	22:43	0°♐	
desc. node	6051 Nov 12	04:13	17°♐23'04	
	6051 Nov 22	12:40	0°♑	
	6051 Dec 17	05:33	0°♒	
	6052 Jan 11	03:06	0°♓	
	6052 Feb 05	11:19	0°♈	
	6052 Mar 02	23:16	0°♉	
asc. node	6052 Mar 04	05:04	1°♉20'52	
evening max el	6052 Mar 16	09:54	14°♉09'32	47°02'50
	6052 Apr 02	05:17	0°♊	
greatest brilliancy	6052 Apr 25	18:47	15°♊17'42	-4.9m
retrograde	6052 May 06	01:42	17°♊18'02	
evening set	6052 May 22	13:31	11°♊59'09	
inferior conj	6052 May 27	01:07	9°♊15'37	6°17'43
minimum elong	6052 May 27	11:45	8°♊59'08	6°15'18
min. Earth dist.	6052 May 26	23:23	9°♊18'19	0.27688 AU
morning rise	6052 Jun 01	10:14	6°♊01'53	
direct	6052 Jun 16	22:13	1°♊19'55	
desc. node	6052 Jun 23	21:03	2°♊14'51	
greatest brilliancy	6052 Jun 26	17:16	3°♊06'14	-4.8m
	6052 Aug 03	04:11	0°♋	
morning max el	6052 Aug 05	03:12	1°♋52'18	45°55'03
	6052 Sep 01	08:53	0°♌	
	6052 Sep 28	03:46	0°♍	
asc. node	6052 Oct 14	22:08	19°♍28'58	
	6052 Oct 23	19:46	0°♎	
	6052 Nov 17	18:55	0°♏	
	6052 Dec 12	06:53	0°♐	
	6053 Jan 05	11:45	0°♑	
	6053 Jan 29	12:13	0°♒	
morning set	6053 Jan 31	01:50	1°♒57'47	
desc. node	6053 Feb 03	13:42	6°♒20'27	
	6053 Feb 22	09:59	0°♓	
superior conj	6053 Mar 13	03:56	23°♓34'41	-1°15'34
minimum elong	6053 Mar 12	17:21	23°♓01'25	1°15'18
max. Earth dist.	6053 Mar 13	09:23	23°♓51'49	1.71157 AU
	6053 Mar 18	06:25	0°♈	
	6053 Apr 11	03:10	0°♉	
evening rise	6053 Apr 22	22:20	14°♉47'46	
	6053 May 05	02:15	0°♊	
asc. node	6053 May 27	14:34	27°♊59'13	
	6053 May 29	05:37	0°♋	
	6053 Jun 22	14:57	0°♌	
	6053 Jul 17	08:14	0°♍	
	6053 Aug 11	13:00	0°♎	
	6053 Sep 06	12:37	0°♏	
desc. node	6053 Sep 16	06:33	10°♏54'03	
	6053 Oct 04	00:15	0°♐	
evening max el	6053 Oct 19	15:44	15°♐42'59	45°54'23
	6053 Nov 04	17:09	0°♑	
greatest brilliancy	6053 Nov 28	05:01	14°♑13'15	-4.8m
retrograde	6053 Dec 07	15:48	15°♑50'58	
evening set	6053 Dec 22	14:25	11°♑30'44	
inferior conj	6053 Dec 28	10:57	8°♑03'21	-2°28'39
minimum elong	6053 Dec 28	16:26	7°♑54'55	2°26'55
min. Earth dist.	6053 Dec 29	03:23	7°♑38'07	0.27314 AU
morning rise	6054 Jan 03	17:52	4°♑21'09	
asc. node	6054 Jan 07	07:29	2°♑36'23	
direct	6054 Jan 18	09:21	0°♑07'36	
greatest brilliancy	6054 Jan 29	05:33	2°♑20'41	-4.9m
	6054 Mar 06	17:43	0°♒	
morning max el	6054 Mar 10	00:26	3°♒16'57	46°57'34
	6054 Apr 03	19:53	0°♓	
desc. node	6054 Apr 28	23:37	29°♓04'39	
	6054 Apr 29	18:22	0°♈	
	6054 May 24	21:28	0°♉	
	6054 Jun 18	16:30	0°♊	
	6054 Jul 13	08:24	0°♋	
	6054 Aug 06	22:47	0°♌	
asc. node	6054 Aug 20	00:11	15°♌57'32	
	6054 Aug 31	11:19	0°♍	
morning set	6054 Sep 09	21:18	11°♍33'06	
	6054 Sep 24	21:25	0°♎	
max. Earth dist.	6054 Oct 14	13:15	24°♎14'29	1.73161 AU
superior conj	6054 Oct 16	08:33	26°♎28'09	1°25'30
minimum elong	6054 Oct 16	09:20	26°♎30'34	1°25'32
	6054 Oct 19	05:09	0°♏	
	6054 Nov 12	11:20	0°♐	
evening rise	6054 Nov 22	10:38	12°♐20'37	
	6054 Dec 06	16:44	0°♑	
desc. node	6054 Dec 09	15:59	3°♑40'39	
	6054 Dec 30	21:42	0°♒	
	6055 Jan 24	02:29	0°♓	
	6055 Feb 17	08:32	0°♈	
	6055 Mar 13	19:35	0°♉	
asc. node	6055 Apr 01	16:54	22°♉46'57	
	6055 Apr 07	18:43	0°♊	
	6055 May 03	19:29	0°♋	
evening max el	6055 May 28	01:15	25°♋41'41	46°15'43
	6055 Jun 01	11:20	0°♌	
greatest brilliancy	6055 Jul 05	12:46	24°♌52'30	-4.8m
retrograde	6055 Jul 16	15:52	27°♌07'47	
desc. node	6055 Jul 22	08:56	26°♌28'39	
evening set	6055 Jul 31	20:42	22°♌38'12	
min. Earth dist.	6055 Aug 06	12:58	19°♌13'27	0.28712 AU
inferior conj	6055 Aug 07	02:10	18°♌52'45	-3°40'32
minimum elong	6055 Aug 06	18:39	19°♌04'33	3°38'30
morning rise	6055 Aug 12	17:06	15°♌28'44	
direct	6055 Aug 28	12:55	10°♌42'51	
greatest brilliancy	6055 Sep 07	09:31	12°♌28'03	-4.7m
	6055 Oct 04	18:07	0°♍	
morning max el	6055 Oct 16	05:04	10°♍25'10	45°43'32
	6055 Nov 04	11:10	0°♎	
asc. node	6055 Nov 12	09:54	8°♎36'43	
	6055 Dec 01	08:57	0°♏	
	6055 Dec 26	19:25	0°♐	
	6056 Jan 20	11:59	0°♑	
	6056 Feb 13	18:51	0°♒	
desc. node	6056 Mar 03	01:40	22°♒46'32	
	6056 Mar 08	20:24	0°♓	
	6056 Apr 01	19:13	0°♈	
morning set	6056 Apr 17	18:42	20°♈02'29	
	6056 Apr 25	17:23	0°♉	
	6056 May 19	16:54	0°♊	
superior conj	6056 May 27	12:59	9°♊46'24	-1°00'22
minimum elong	6056 May 27	23:54	10°♊20'25	1°00'01
max. Earth dist.	6056 May 31	10:39	14°♊38'05	1.72123 AU
	6056 Jun 12	19:12	0°♋	
asc. node	6056 Jun 24	02:22	14°♋00'29	
evening rise	6056 Jul 05	08:46	27°♋56'12	
	6056 Jul 07	00:53	0°♌	
	6056 Jul 31	10:05	0°♍	
	6056 Aug 24	23:24	0°♎	
	6056 Sep 18	18:23	0°♏	
desc. node	6056 Oct 13	18:20	29°♏50'28	
	6056 Oct 13	21:33	0°♐	

	6056 Nov 08 12:37	0°♑	
	6056 Dec 04 23:42	0°♒	
evening max el	6056 Dec 31 07:29	27°♒53'08	46°47'51
	6057 Jan 02 10:45	0°♓	
asc. node	6057 Feb 03 19:23	25°♓59'14	
greatest brilliancy	6057 Feb 09 18:31	28°♓39'44	-4.9m
	6057 Feb 14 12:02	0°♈	
retrograde	6057 Feb 19 16:16	0°♈31'39	
	6057 Feb 24 18:00	30°℞♓	
evening set	6057 Mar 08 00:24	25°♓20'12	
inferior conj	6057 Mar 12 07:42	22°♓44'43	7°53'29
minimum elong	6057 Mar 11 21:56	22°♓59'44	7°51'54
min. Earth dist.	6057 Mar 11 20:43	23°♓01'35	0.26886 AU
morning rise	6057 Mar 15 19:31	20°♓37'33	
direct	6057 Apr 01 19:50	15°♓01'10	
greatest brilliancy	6057 Apr 11 06:46	16°♓42'17	-4.9m
	6057 May 03 00:59	0°♈	
morning max el	6057 May 21 23:33	17°♈18'43	46°41'27
desc. node	6057 May 26 11:19	21°♈50'35	
	6057 Jun 03 07:09	0°♉	
	6057 Jun 30 10:59	0°♊	
	6057 Jul 26 09:42	0°♋	
	6057 Aug 20 19:09	0°♌	
	6057 Sep 14 19:49	0°♍	
asc. node	6057 Sep 16 12:09	2°♍01'40	
	6057 Oct 09 12:59	0°♎	
	6057 Nov 02 23:41	0°♏	
morning set	6057 Nov 17 10:55	17°♏52'32	
	6057 Nov 27 05:35	0°♐	
	6057 Dec 21 08:16	0°♑	
max. Earth dist.	6057 Dec 22 12:27	1°♑27'51	1.72024 AU
superior conj	6057 Dec 25 08:58	5°♑01'34	0°27'59
minimum elong	6057 Dec 25 15:22	5°♑21'33	0°27'43
desc. node	6058 Jan 06 03:54	19°♑44'45	
	6058 Jan 14 08:46	0°♒	
evening rise	6058 Feb 03 04:30	24°♒49'21	
	6058 Feb 07 07:39	0°♓	
	6058 Mar 03 05:56	0°♈	
	6058 Mar 27 05:36	0°♉	
	6058 Apr 20 09:43	0°♊	
asc. node	6058 Apr 29 04:41	10°♊49'10	
	6058 May 14 22:05	0°♋	
	6058 Jun 08 23:58	0°♌	
	6058 Jul 05 01:22	0°♍	
	6058 Aug 02 05:45	0°♎	
evening max el	6058 Aug 06 12:31	4°♎11'27	45°36'40
desc. node	6058 Aug 18 20:53	15°♎26'53	
	6058 Sep 08 18:18	0°♏	
greatest brilliancy	6058 Sep 14 06:22	2°♏20'17	-4.7m
retrograde	6058 Sep 24 08:07	4°♏10'31	
	6058 Oct 09 00:41	30°℞♎	
evening set	6058 Oct 12 12:16	28°♎00'22	
inferior conj	6058 Oct 15 19:20	25°♎58'15	-8°37'00
minimum elong	6058 Oct 15 19:50	25°♎57'28	8°36'59
min. Earth dist.	6058 Oct 16 04:32	25°♎43'51	0.29027 AU
morning rise	6058 Oct 19 03:16	23°♎54'27	
direct	6058 Nov 06 08:02	17°♎39'39	
greatest brilliancy	6058 Nov 17 05:27	19°♎49'20	-4.8m
	6058 Dec 04 12:49	0°♏	
asc. node	6058 Dec 09 21:39	4°♏17'11	
morning max el	6058 Dec 26 03:25	19°♏15'08	46°18'51
	6059 Jan 05 14:12	0°♐	
	6059 Feb 01 11:56	0°♑	
	6059 Feb 26 20:27	0°♒	
	6059 Mar 23 12:35	0°♓	
desc. node	6059 Mar 31 13:39	9°♓52'52	
	6059 Apr 16 20:48	0°♈	
	6059 May 11 01:40	0°♉	
	6059 Jun 04 06:07	0°♊	
	6059 Jun 28 11:48	0°♋	
morning set	6059 Jun 30 16:17	2°♋42'09	
asc. node	6059 Jul 22 14:17	29°♋45'24	
	6059 Jul 22 19:01	0°♌	
superior conj	6059 Aug 07 06:44	19°♌05'25	0°36'33
minimum elong	6059 Aug 06 23:33	18°♌43'19	0°36'12
max. Earth dist.	6059 Aug 08 03:32	20°♌09'29	1.73294 AU
	6059 Aug 16 03:17	0°♍	
	6059 Sep 09 12:14	0°♎	
evening rise	6059 Sep 12 14:45	3°♎49'08	
	6059 Oct 03 22:12	0°♏	
	6059 Oct 28 10:02	0°♐	
desc. node	6059 Nov 11 06:10	16°♐53'49	
	6059 Nov 22 00:26	0°♑	
	6059 Dec 16 17:58	0°♒	
	6060 Jan 10 16:32	0°♓	
	6060 Feb 05 02:30	0°♈	
	6060 Mar 02 18:16	0°♉	
asc. node	6060 Mar 03 07:06	0°♉34'35	
evening max el	6060 Mar 14 01:06	11°♉49'29	47°03'42
	6060 Apr 02 15:28	0°♊	
greatest brilliancy	6060 Apr 23 09:21	12°♊56'36	-4.9m
retrograde	6060 May 03 16:51	14°♊57'05	
evening set	6060 May 20 07:02	9°♊33'41	
inferior conj	6060 May 24 15:14	6°♊54'58	6°33'52
minimum elong	6060 May 25 01:54	6°♊38'26	6°31'32
min. Earth dist.	6060 May 24 13:02	6°♊58'23	0.27659 AU
morning rise	6060 May 29 21:06	3°♊46'07	
	6060 Jun 07 12:03	30°℞♉	
direct	6060 Jun 14 12:31	28°♉59'58	
	6060 Jun 21 18:48	0°♊	
desc. node	6060 Jun 22 23:05	0°♊20'15	
greatest brilliancy	6060 Jun 24 05:49	0°♊45'16	-4.8m
morning max el	6060 Aug 02 18:37	29°♊38'19	45°56'12
	6060 Aug 03 03:37	0°♋	
	6060 Sep 01 01:01	0°♌	
	6060 Sep 27 17:18	0°♍	
asc. node	6060 Oct 13 23:58	18°♍57'11	
	6060 Oct 23 08:03	0°♎	
	6060 Nov 17 06:33	0°♏	
	6060 Dec 11 18:11	0°♐	
	6061 Jan 04 22:52	0°♑	
morning set	6061 Jan 28 13:40	29°♑29'52	
	6061 Jan 28 23:18	0°♒	
desc. node	6061 Feb 02 15:47	5°♒52'18	
	6061 Feb 21 21:04	0°♓	
superior conj	6061 Mar 10 14:22	21°♓01'35	-1°13'29
minimum elong	6061 Mar 10 03:20	20°♓26'52	1°13'10
max. Earth dist.	6061 Mar 10 15:55	21°♓06'27	1.71158 AU
	6061 Mar 17 17:31	0°♈	
	6061 Apr 10 14:17	0°♉	
evening rise	6061 Apr 20 09:00	12°♉15'59	
	6061 May 04 13:24	0°♊	
asc. node	6061 May 26 16:33	27°♊30'36	
	6061 May 28 16:52	0°♋	
	6061 Jun 22 02:26	0°♌	
	6061 Jul 16 20:09	0°♍	
	6061 Aug 11 01:48	0°♎	
	6061 Sep 06 03:08	0°♏	
desc. node	6061 Sep 15 08:29	10°♏16'29	
	6061 Oct 03 18:51	0°♐	
evening max el	6061 Oct 17 06:13	13°♐27'07	45°52'51

	6061 Nov 05 05:02	0°♉	
greatest brilliancy	6061 Nov 25 19:16	11°♉54'28	-4.8m
retrograde	6061 Dec 05 04:42	13°♉30'52	
evening set	6061 Dec 20 06:17	9°♉07'51	
inferior conj	6061 Dec 26 00:47	5°♉42'57	-2°50'14
minimum elong	6061 Dec 26 07:00	5°♉33'24	2°48'21
min. Earth dist.	6061 Dec 26 18:13	5°♉16'07	0.27368 AU
morning rise	6062 Jan 01 07:04	2°♉01'01	
	6062 Jan 05 11:39	30°℞♐	
asc. node	6062 Jan 06 09:31	29°♐38'11	
direct	6062 Jan 15 23:36	27°♐46'24	
	6062 Jan 26 20:58	0°♉	
greatest brilliancy	6062 Jan 26 20:49	29°♐59'51	-4.9m
	6062 Mar 06 17:00	0°♒	
morning max el	6062 Mar 07 13:40	0°♒52'09	46°56'52
	6062 Apr 03 12:26	0°♓	
desc. node	6062 Apr 28 01:31	28°♓28'30	
	6062 Apr 29 08:27	0°♈	
	6062 May 24 10:16	0°♉	
	6062 Jun 18 04:30	0°♊	
	6062 Jul 12 19:52	0°♋	
	6062 Aug 06 09:52	0°♌	
asc. node	6062 Aug 19 02:11	15°♌30'16	
	6062 Aug 30 22:10	0°♍	
morning set	6062 Sep 07 14:45	9°♍26'15	
	6062 Sep 24 08:09	0°♎	
max. Earth dist.	6062 Oct 12 06:15	22°♎05'49	1.73187 AU
superior conj	6062 Oct 14 02:17	24°♎21'43	1°25'35
minimum elong	6062 Oct 14 02:22	24°♎21'58	1°25'36
	6062 Oct 18 15:52	0°♏	
	6062 Nov 11 22:08	0°♐	
evening rise	6062 Nov 20 02:26	10°♐07'18	
	6062 Dec 06 03:42	0°♑	
desc. node	6062 Dec 08 18:04	3°♑13'03	
	6062 Dec 30 08:54	0°♒	
	6063 Jan 23 13:59	0°♓	
	6063 Feb 16 20:28	0°♈	
	6063 Mar 13 08:11	0°♉	
asc. node	6063 Mar 31 18:47	22°♉12'28	
	6063 Apr 07 08:31	0°♊	
	6063 May 03 11:52	0°♋	
evening max el	6063 May 25 15:45	23°♋24'20	46°17'32
	6063 Jun 01 11:40	0°♌	
greatest brilliancy	6063 Jul 03 05:51	22°♌41'54	-4.8m
retrograde	6063 Jul 14 07:36	24°♌56'31	
desc. node	6063 Jul 21 11:02	23°♌55'14	
evening set	6063 Jul 29 11:38	20°♌28'42	
min. Earth dist.	6063 Aug 04 05:27	17°♌01'59	0.28672 AU
inferior conj	6063 Aug 04 18:10	16°♌42'02	-3°22'04
minimum elong	6063 Aug 04 11:10	16°♌53'01	3°20'08
morning rise	6063 Aug 10 11:09	13°♌14'59	
direct	6063 Aug 26 04:01	8°♌32'40	
greatest brilliancy	6063 Sep 05 01:24	10°♌18'07	-4.7m
	6063 Oct 04 21:51	0°♍	
morning max el	6063 Oct 13 19:17	8°♍11'02	45°43'06
	6063 Nov 04 03:56	0°♎	
asc. node	6063 Nov 11 11:56	7°♎59'17	
	6063 Nov 30 22:39	0°♏	
	6063 Dec 26 07:49	0°♐	
	6064 Jan 19 23:44	0°♑	
	6064 Feb 13 06:14	0°♒	
desc. node	6064 Mar 02 03:39	22°♒17'49	
	6064 Mar 08 07:32	0°♓	
	6064 Apr 01 06:10	0°♈	
morning set	6064 Apr 15 06:00	17°♈33'16	
	6064 Apr 25 04:14	0°♉	
	6064 May 19 03:41	0°♊	
superior conj	6064 May 25 02:27	7°♊25'18	-1°03'00
minimum elong	6064 May 25 13:26	7°♊59'33	1°02'39
max. Earth dist.	6064 May 28 22:27	12°♊11'55	1.72073 AU
	6064 Jun 12 05:57	0°♋	
asc. node	6064 Jun 23 04:29	13°♋33'48	
evening rise	6064 Jul 03 00:28	25°♋43'17	
	6064 Jul 06 11:38	0°♌	
	6064 Jul 30 20:56	0°♍	
	6064 Aug 24 10:29	0°♎	
	6064 Sep 18 05:56	0°♏	
desc. node	6064 Oct 12 20:17	29°♏19'37	
	6064 Oct 13 09:57	0°♐	
	6064 Nov 08 02:28	0°♑	
	6064 Dec 04 16:24	0°♒	
evening max el	6064 Dec 28 20:23	25°♒28'35	46°46'17
	6065 Jan 02 11:14	0°♓	
asc. node	6065 Feb 02 21:25	24°♓19'50	
greatest brilliancy	6065 Feb 07 07:25	26°♓13'00	-4.9m
retrograde	6065 Feb 17 05:12	28°♓05'14	
evening set	6065 Mar 05 08:46	22°♓59'54	
inferior conj	6065 Mar 09 20:24	20°♓18'34	7°40'50
minimum elong	6065 Mar 09 10:13	20°♓34'12	7°39'02
min. Earth dist.	6065 Mar 09 09:37	20°♓35'07	0.26867 AU
morning rise	6065 Mar 13 11:43	18°♓06'34	
direct	6065 Mar 30 08:13	12°♓34'57	
greatest brilliancy	6065 Apr 08 20:10	14°♓17'13	-4.9m
	6065 May 03 11:32	0°♈	
morning max el	6065 May 19 13:16	14°♈56'42	46°42'57
desc. node	6065 May 25 13:25	21°♈02'14	
	6065 Jun 03 01:51	0°♉	
	6065 Jun 30 01:40	0°♊	
	6065 Jul 25 22:35	0°♋	
	6065 Aug 20 07:00	0°♌	
	6065 Sep 14 07:03	0°♍	
asc. node	6065 Sep 15 14:02	1°♍33'33	
	6065 Oct 08 23:50	0°♎	
	6065 Nov 02 10:21	0°♏	
morning set	6065 Nov 15 03:16	15°♏41'45	
	6065 Nov 26 16:11	0°♐	
max. Earth dist.	6065 Dec 20 05:07	29°♐16'59	1.72069 AU
	6065 Dec 20 18:55	0°♑	
superior conj	6065 Dec 22 22:43	2°♑41'30	0°31'24
minimum elong	6065 Dec 23 05:46	3°♑03'29	0°31'07
desc. node	6066 Jan 05 05:57	19°♑17'44	
	6066 Jan 13 19:30	0°♒	
evening rise	6066 Jan 31 16:33	22°♒22'49	
	6066 Feb 06 18:30	0°♓	
	6066 Mar 02 16:55	0°♈	
	6066 Mar 26 16:46	0°♉	
	6066 Apr 19 21:09	0°♊	
asc. node	6066 Apr 28 06:44	10°♊19'55	
	6066 May 14 10:00	0°♋	
	6066 Jun 08 12:50	0°♌	
	6066 Jul 04 16:16	0°♍	
	6066 Aug 02 02:22	0°♎	
evening max el	6066 Aug 04 04:45	2°♎02'24	45°37'11
desc. node	6066 Aug 17 22:48	14°♎28'56	
	6066 Sep 11 09:48	0°♏	
greatest brilliancy	6066 Sep 11 20:11	0°♏09'16	-4.7m
retrograde	6066 Sep 22 00:29	2°♏01'18	
	6066 Oct 02 02:36	30°℞♎	
evening set	6066 Oct 10 03:31	25°♎51'48	
inferior conj	6066 Oct 13 11:23	23°♎48'20	-8°36'56
minimum elong	6066 Oct 13 11:07	23°♎48'46	8°36'55

min. Earth dist.	6066 Oct 13 18:59	23°♎36'27	0.29055 AU
morning rise	6066 Oct 16 18:38	21°♎45'38	
direct	6066 Nov 04 00:49	15°♎29'41	
greatest brilliancy	6066 Nov 14 20:12	17°♎37'47	-4.8m
	6066 Dec 05 00:19	0°♏	
asc. node	6066 Dec 08 23:44	3°♏17'08	
morning max el	6066 Dec 23 19:38	17°♏02'57	46°17'09
	6067 Jan 05 08:23	0°♐	
	6067 Feb 01 02:20	0°♑	
	6067 Feb 26 09:17	0°♒	
	6067 Mar 23 00:35	0°♓	
desc. node	6067 Mar 30 15:30	9°♓22'12	
	6067 Apr 16 08:17	0°♈	
	6067 May 10 12:48	0°♉	
	6067 Jun 03 16:58	0°♊	
	6067 Jun 27 22:25	0°♋	
morning set	6067 Jun 28 08:12	0°♋30'13	
asc. node	6067 Jul 21 16:15	29°♋19'12	
	6067 Jul 22 05:30	0°♌	
superior conj	6067 Aug 04 23:56	16°♌58'21	0°33'33
minimum elong	6067 Aug 04 17:13	16°♌37'39	0°33'13
max. Earth dist.	6067 Aug 06 01:43	18°♌17'48	1.73275 AU
	6067 Aug 15 13:43	0°♍	
	6067 Sep 08 22:44	0°♎	
evening rise	6067 Sep 10 09:00	1°♎45'22	
	6067 Oct 03 08:53	0°♏	
	6067 Oct 27 21:00	0°♐	
desc. node	6067 Nov 10 08:12	16°♐25'54	
	6067 Nov 21 11:50	0°♑	
	6067 Dec 16 06:03	0°♒	
	6068 Jan 10 05:39	0°♓	
	6068 Feb 04 17:26	0°♈	
asc. node	6068 Mar 02 09:00	29°♈48'29	
	6068 Mar 02 13:19	0°♉	
evening max el	6068 Mar 11 16:13	9°♉30'14	47°04'18
	6068 Apr 03 04:34	0°♊	
greatest brilliancy	6068 Apr 21 00:23	10°♊36'50	-4.9m
retrograde	6068 May 01 07:35	12°♊36'31	
evening set	6068 May 18 00:28	7°♊08'52	
inferior conj	6068 May 22 05:13	4°♊34'58	6°49'29
minimum elong	6068 May 22 15:50	4°♊18'29	6°47'15
min. Earth dist.	6068 May 22 02:46	4°♊38'46	0.27628 AU
morning rise	6068 May 27 07:33	1°♊31'03	
	6068 May 30 04:13	30°℞♉	
direct	6068 Jun 12 02:35	26°♉40'44	
greatest brilliancy	6068 Jun 21 18:17	28°♉24'48	-4.8m
desc. node	6068 Jun 22 01:06	28°♉30'45	
	6068 Jun 25 17:01	0°♊	
morning max el	6068 Jul 31 09:07	27°♊23'05	45°57'28
	6068 Aug 03 01:37	0°♋	
	6068 Aug 31 16:27	0°♌	
	6068 Sep 27 06:19	0°♍	
asc. node	6068 Oct 13 02:03	18°♍27'19	
	6068 Oct 22 19:56	0°♎	
	6068 Nov 16 17:50	0°♏	
	6068 Dec 11 05:10	0°♐	
	6069 Jan 04 09:42	0°♑	
morning set	6069 Jan 26 01:28	27°♑02'52	
	6069 Jan 28 10:03	0°♒	
desc. node	6069 Feb 01 17:43	5°♒24'40	
	6069 Feb 21 07:49	0°♓	
superior conj	6069 Mar 08 00:49	18°♓29'43	-1°11'14
minimum elong	6069 Mar 07 13:24	17°♓53'49	1°10'54
max. Earth dist.	6069 Mar 07 20:38	18°♓16'34	1.71159 AU
	6069 Mar 17 04:17	0°♈	
	6069 Apr 10 01:04	0°♉	
evening rise	6069 Apr 17 19:39	9°♉45'04	
	6069 May 04 00:14	0°♊	
asc. node	6069 May 25 18:38	27°♊03'12	
	6069 May 28 03:49	0°♋	
	6069 Jun 21 13:38	0°♌	
	6069 Jul 16 07:49	0°♍	
	6069 Aug 10 14:20	0°♎	
	6069 Sep 05 17:29	0°♏	
desc. node	6069 Sep 14 10:27	9°♏39'38	
	6069 Oct 03 13:37	0°♐	
evening max el	6069 Oct 14 19:39	11°♐09'35	45°51'13
	6069 Nov 05 20:36	0°♑	
greatest brilliancy	6069 Nov 23 09:41	9°♑36'18	-4.8m
retrograde	6069 Dec 02 17:15	11°♑11'23	
evening set	6069 Dec 17 22:08	6°♑44'59	
inferior conj	6069 Dec 23 14:34	3°♑22'59	-3°11'37
minimum elong	6069 Dec 23 21:26	3°♑12'24	3°09'33
min. Earth dist.	6069 Dec 24 09:17	2°♑54'07	0.27426 AU
	6069 Dec 29 06:36	30°℞♐	
morning rise	6069 Dec 29 19:58	29°♐41'40	
asc. node	6070 Jan 05 11:31	26°♐44'59	
direct	6070 Jan 13 13:24	25°♐25'18	
greatest brilliancy	6070 Jan 24 12:39	27°♐40'05	-4.9m
	6070 Jan 29 13:17	0°♑	
morning max el	6070 Mar 05 02:43	28°♑27'16	46°56'17
	6070 Mar 06 15:11	0°♒	
	6070 Apr 03 04:28	0°♓	
desc. node	6070 Apr 27 03:40	27°♓54'05	
	6070 Apr 28 22:09	0°♈	
	6070 May 23 22:45	0°♉	
	6070 Jun 17 16:14	0°♊	
	6070 Jul 12 07:06	0°♋	
	6070 Aug 05 20:45	0°♌	
asc. node	6070 Aug 18 04:07	15°♌03'16	
	6070 Aug 30 08:50	0°♍	
morning set	6070 Sep 05 08:13	7°♍19'58	
	6070 Sep 23 18:41	0°♎	
max. Earth dist.	6070 Oct 10 00:38	20°♎02'00	1.73212 AU
superior conj	6070 Oct 11 20:08	22°♎16'14	1°25'32
minimum elong	6070 Oct 11 19:31	22°♎14'17	1°25'33
	6070 Oct 18 02:24	0°♏	
	6070 Nov 11 08:46	0°♐	
evening rise	6070 Nov 17 18:23	7°♐55'04	
	6070 Dec 05 14:33	0°♑	
desc. node	6070 Dec 07 20:07	2°♑45'46	
	6070 Dec 29 20:02	0°♒	
	6071 Jan 23 01:28	0°♓	
	6071 Feb 16 08:23	0°♈	
	6071 Mar 12 20:47	0°♉	
asc. node	6071 Mar 30 20:51	21°♉38'35	
	6071 Apr 06 22:23	0°♊	
	6071 May 03 04:28	0°♋	
evening max el	6071 May 23 05:46	21°♋06'01	46°19'28
	6071 Jun 01 13:11	0°♌	
greatest brilliancy	6071 Jun 30 22:21	20°♌30'33	-4.8m
retrograde	6071 Jul 11 23:31	22°♌45'12	
desc. node	6071 Jul 20 12:59	21°♌16'56	
evening set	6071 Jul 27 02:33	18°♌18'33	
inferior conj	6071 Aug 02 10:02	14°♌31'01	-3°03'02
minimum elong	6071 Aug 02 03:36	14°♌41'07	3°01'15
min. Earth dist.	6071 Aug 01 21:46	14°♌50'14	0.28634 AU
morning rise	6071 Aug 08 05:02	11°♌01'14	
direct	6071 Aug 23 18:51	6°♌21'58	
greatest brilliancy	6071 Sep 02 17:20	8°♌08'09	-4.7m
	6071 Oct 04 23:56	0°♍	

morning max el	6071 Oct 11 10:23	5°♍59'07	45°42'52
	6071 Nov 03 20:18	0°♎	
asc. node	6071 Nov 10 14:00	7°♎22'31	
	6071 Nov 30 12:10	0°♏	
	6071 Dec 25 20:07	0°♐	
	6072 Jan 19 11:26	0°♑	
	6072 Feb 12 17:38	0°♒	
desc. node	6072 Mar 01 05:37	21°♒48'51	
	6072 Mar 07 18:44	0°♓	
	6072 Mar 31 17:13	0°♈	
morning set	6072 Apr 12 16:45	15°♈01'57	
	6072 Apr 24 15:09	0°♉	
	6072 May 18 14:31	0°♊	
superior conj	6072 May 22 15:26	5°♊02'26	-1°05'32
minimum elong	6072 May 23 02:25	5°♊36'41	1°05'11
max. Earth dist.	6072 May 26 08:56	9°♊41'25	1.72021 AU
	6072 Jun 11 16:44	0°♋	
asc. node	6072 Jun 22 06:24	13°♋06'22	
evening rise	6072 Jun 30 15:53	23°♋29'19	
	6072 Jul 05 22:27	0°♌	
	6072 Jul 30 07:52	0°♍	
	6072 Aug 23 21:42	0°♎	
	6072 Sep 17 17:39	0°♏	
desc. node	6072 Oct 11 22:23	28°♏48'50	
	6072 Oct 12 22:30	0°♐	
	6072 Nov 07 16:32	0°♑	
	6072 Dec 04 09:29	0°♒	
evening max el	6072 Dec 26 10:03	23°♒05'52	46°44'36
	6073 Jan 02 13:07	0°♓	
asc. node	6073 Feb 01 23:18	22°♓35'42	
greatest brilliancy	6073 Feb 04 19:28	23°♓44'38	-4.9m
retrograde	6073 Feb 14 18:19	25°♓37'37	
evening set	6073 Mar 02 16:57	20°♓38'16	
inferior conj	6073 Mar 07 08:51	17°♓51'02	7°27'03
minimum elong	6073 Mar 06 22:20	18°♓07'09	7°25'04
min. Earth dist.	6073 Mar 06 22:03	18°♓07'35	0.26852 AU
morning rise	6073 Mar 11 03:49	15°♓34'02	
direct	6073 Mar 27 20:56	10°♓07'24	
greatest brilliancy	6073 Apr 06 09:01	11°♓50'15	-4.9m
	6073 May 03 19:43	0°♈	
morning max el	6073 May 17 03:39	12°♈35'21	46°44'22
desc. node	6073 May 24 15:24	20°♈13'28	
	6073 Jun 02 20:25	0°♉	
	6073 Jun 29 16:27	0°♊	
	6073 Jul 25 11:35	0°♋	
	6073 Aug 19 19:00	0°♌	
	6073 Sep 13 18:27	0°♍	
asc. node	6073 Sep 14 16:04	1°♍05'18	
	6073 Oct 08 10:53	0°♎	
	6073 Nov 01 21:14	0°♏	
morning set	6073 Nov 12 19:49	13°♏30'53	
	6073 Nov 26 03:01	0°♐	
max. Earth dist.	6073 Dec 17 20:22	27°♐01'07	1.72109 AU
	6073 Dec 20 05:46	0°♑	
superior conj	6073 Dec 20 12:50	0°♑22'00	0°34'44
minimum elong	6073 Dec 20 20:27	0°♑45'45	0°34'25
desc. node	6074 Jan 04 07:52	18°♑49'43	
	6074 Jan 13 06:26	0°♒	
evening rise	6074 Jan 29 04:52	19°♒56'35	
	6074 Feb 06 05:33	0°♓	
	6074 Mar 02 04:08	0°♈	
	6074 Mar 26 04:14	0°♉	
	6074 Apr 19 08:56	0°♊	
asc. node	6074 Apr 27 08:46	9°♊49'35	
	6074 May 13 22:19	0°♋	
	6074 Jun 08 02:09	0°♌	
	6074 Jul 04 07:47	0°♍	
evening max el	6074 Aug 01 21:12	29°♍52'46	45°37'50
	6074 Aug 02 00:12	0°♎	
desc. node	6074 Aug 17 00:46	13°♎28'46	
greatest brilliancy	6074 Sep 09 10:26	27°♎57'46	-4.7m
retrograde	6074 Sep 19 16:25	29°♎50'55	
evening set	6074 Oct 07 18:27	23°♎42'48	
inferior conj	6074 Oct 11 03:25	21°♎37'25	-8°36'07
minimum elong	6074 Oct 11 02:23	21°♎39'03	8°36'05
min. Earth dist.	6074 Oct 11 09:32	21°♎27'50	0.29078 AU
morning rise	6074 Oct 14 10:15	19°♎35'11	
direct	6074 Nov 01 17:36	13°♎18'48	
greatest brilliancy	6074 Nov 12 10:40	15°♎24'46	-4.8m
	6074 Dec 05 09:15	0°♏	
asc. node	6074 Dec 08 01:39	2°♏17'06	
morning max el	6074 Dec 21 11:19	14°♏48'34	46°15'33
	6075 Jan 05 02:29	0°♐	
	6075 Jan 31 16:52	0°♑	
	6075 Feb 25 22:18	0°♒	
	6075 Mar 22 12:48	0°♓	
desc. node	6075 Mar 29 17:39	8°♓51'40	
	6075 Apr 15 20:02	0°♈	
	6075 May 10 00:14	0°♉	
	6075 Jun 03 04:10	0°♊	
morning set	6075 Jun 25 23:49	28°♊16'07	
	6075 Jun 27 09:25	0°♋	
asc. node	6075 Jul 20 18:12	28°♋51'41	
	6075 Jul 21 16:21	0°♌	
superior conj	6075 Aug 02 16:47	14°♌48'59	0°30'28
minimum elong	6075 Aug 02 10:35	14°♌29'52	0°30'10
max. Earth dist.	6075 Aug 03 23:15	16°♌22'52	1.73250 AU
	6075 Aug 15 00:32	0°♍	
evening rise	6075 Sep 08 02:59	29°♍39'39	
	6075 Sep 08 09:36	0°♎	
	6075 Oct 02 19:56	0°♏	
	6075 Oct 27 08:22	0°♐	
desc. node	6075 Nov 09 10:13	15°♐56'39	
	6075 Nov 20 23:41	0°♑	
	6075 Dec 15 18:35	0°♒	
	6076 Jan 09 19:15	0°♓	
	6076 Feb 04 08:55	0°♈	
asc. node	6076 Mar 01 11:06	29°♈01'28	
	6076 Mar 02 09:14	0°♉	
evening max el	6076 Mar 09 06:46	7°♉08'41	47°04'51
	6076 Apr 03 22:30	0°♊	
greatest brilliancy	6076 Apr 18 15:55	8°♊16'59	-4.9m
retrograde	6076 Apr 28 21:48	10°♊15'18	
evening set	6076 May 15 18:03	4°♊43'27	
inferior conj	6076 May 19 19:20	2°♊14'26	7°04'16
minimum elong	6076 May 20 05:50	1°♊58'07	7°02'11
min. Earth dist.	6076 May 19 16:54	2°♊18'15	0.27601 AU
	6076 May 23 11:17	30°℞♉	
morning rise	6076 May 24 17:57	29°♉15'31	
direct	6076 Jun 09 16:26	24°♉20'51	
greatest brilliancy	6076 Jun 19 07:24	26°♉04'05	-4.8m
desc. node	6076 Jun 21 03:04	26°♉44'33	
	6076 Jun 27 19:46	0°♊	
morning max el	6076 Jul 28 22:59	25°♊04'56	45°58'40
	6076 Aug 02 23:15	0°♋	
	6076 Aug 31 08:05	0°♌	
	6076 Sep 26 19:40	0°♍	
asc. node	6076 Oct 12 04:07	17°♍56'23	
	6076 Oct 22 08:08	0°♎	
	6076 Nov 16 05:27	0°♏	
	6076 Dec 10 16:27	0°♐	

	6077 Jan 03 20:52	0°♉	
morning set	6077 Jan 23 13:22	24°♉35'06	
	6077 Jan 27 21:10	0°♒	
desc. node	6077 Jan 31 19:43	4°♒56'08	
	6077 Feb 20 18:55	0°♓	
superior conj	6077 Mar 05 11:32	15°♓57'37	-1°08'51
minimum elong	6077 Mar 04 23:50	15°♓20'50	1°08'30
max. Earth dist.	6077 Mar 04 23:09	15°♓18'42	1.71160 AU
	6077 Mar 16 15:22	0°♈	
	6077 Apr 09 12:08	0°♉	
evening rise	6077 Apr 15 06:32	7°♉14'03	
	6077 May 03 11:20	0°♊	
asc. node	6077 May 24 20:33	26°♊34'25	
	6077 May 27 15:03	0°♋	
	6077 Jun 21 01:08	0°♌	
	6077 Jul 15 19:50	0°♍	
	6077 Aug 10 03:18	0°♎	
	6077 Sep 05 08:23	0°♏	
desc. node	6077 Sep 13 12:34	9°♏01'45	
	6077 Oct 03 09:22	0°♐	
evening max el	6077 Oct 12 08:43	8°♐50'18	45°49'48
	6077 Nov 06 18:08	0°♉	
greatest brilliancy	6077 Nov 20 23:49	7°♉17'15	-4.8m
retrograde	6077 Nov 30 06:09	8°♉51'42	
evening set	6077 Dec 15 14:12	4°♉21'19	
inferior conj	6077 Dec 21 04:27	1°♉02'33	-3°32'24
minimum elong	6077 Dec 21 11:57	0°♉50'59	3°30'12
min. Earth dist.	6077 Dec 22 00:23	0°♉31'49	0.27489 AU
	6077 Dec 22 21:06	30°℞♐	
morning rise	6077 Dec 27 08:50	27°♐22'21	
asc. node	6078 Jan 04 13:28	23°♐56'36	
direct	6078 Jan 11 03:20	23°♐03'32	
greatest brilliancy	6078 Jan 22 04:51	25°♐20'12	-4.9m
	6078 Jan 31 05:35	0°♉	
morning max el	6078 Mar 02 16:37	26°♉03'36	46°55'43
	6078 Mar 06 12:53	0°♒	
	6078 Apr 02 20:33	0°♓	
desc. node	6078 Apr 26 05:35	27°♓18'20	
	6078 Apr 28 12:00	0°♈	
	6078 May 23 11:24	0°♉	
	6078 Jun 17 04:08	0°♊	
	6078 Jul 11 18:31	0°♋	
	6078 Aug 05 07:51	0°♌	
asc. node	6078 Aug 17 06:10	14°♌36'00	
	6078 Aug 29 19:43	0°♍	
morning set	6078 Sep 03 01:42	5°♍12'56	
	6078 Sep 23 05:29	0°♎	
max. Earth dist.	6078 Oct 07 20:05	18°♎00'37	1.73239 AU
superior conj	6078 Oct 09 13:57	20°♎09'46	1°25'21
minimum elong	6078 Oct 09 12:37	20°♎05'39	1°25'22
	6078 Oct 17 13:12	0°♏	
	6078 Nov 10 19:40	0°♐	
evening rise	6078 Nov 15 10:21	5°♐42'10	
	6078 Dec 05 01:40	0°♉	
desc. node	6078 Dec 06 21:59	2°♉17'08	
	6078 Dec 29 07:26	0°♒	
	6079 Jan 22 13:13	0°♓	
	6079 Feb 15 20:36	0°♈	
	6079 Mar 12 09:44	0°♉	
asc. node	6079 Mar 29 22:53	21°♉03'37	
	6079 Apr 06 12:38	0°♊	
	6079 May 02 21:36	0°♋	
evening max el	6079 May 20 20:35	18°♋49'18	46°21'36
	6079 Jun 01 16:17	0°♌	
greatest brilliancy	6079 Jun 28 14:26	18°♌18'40	-4.8m

retrograde	6079 Jul 09 16:05	20°♌34'08	
desc. node	6079 Jul 19 14:56	18°♌34'37	
evening set	6079 Jul 24 17:51	16°♌08'16	
min. Earth dist.	6079 Jul 30 13:58	12°♌39'03	0.28597 AU
inferior conj	6079 Jul 31 02:04	12°♌20'08	-2°43'54
minimum elong	6079 Jul 30 20:13	12°♌29'17	2°42'14
morning rise	6079 Aug 05 22:59	8°♌48'00	
direct	6079 Aug 21 10:08	4°♌11'25	
greatest brilliancy	6079 Aug 31 09:09	5°♌58'10	-4.7m
	6079 Oct 05 00:46	0°♍	
morning max el	6079 Oct 09 02:31	3°♍49'31	45°42'29
	6079 Nov 03 12:32	0°♎	
asc. node	6079 Nov 09 15:53	6°♎45'05	
	6079 Nov 30 01:45	0°♏	
	6079 Dec 25 08:32	0°♐	
	6080 Jan 18 23:16	0°♑	
	6080 Feb 12 05:09	0°♒	
desc. node	6080 Feb 29 07:42	21°♒19'57	
	6080 Mar 07 06:02	0°♓	
	6080 Mar 31 04:22	0°♈	
morning set	6080 Apr 10 03:23	12°♈29'50	
	6080 Apr 24 02:12	0°♉	
	6080 May 18 01:30	0°♊	
superior conj	6080 May 20 04:21	2°♊38'45	-1°07'56
minimum elong	6080 May 20 15:15	3°♊12'49	1°07'38
max. Earth dist.	6080 May 23 19:39	7°♊11'08	1.71970 AU
	6080 Jun 11 03:39	0°♋	
asc. node	6080 Jun 21 08:23	12°♋38'50	
evening rise	6080 Jun 28 07:21	21°♋15'13	
	6080 Jul 05 09:20	0°♌	
	6080 Jul 29 18:51	0°♍	
	6080 Aug 23 08:57	0°♎	
	6080 Sep 17 05:26	0°♏	
desc. node	6080 Oct 11 00:19	28°♏17'14	
	6080 Oct 12 11:13	0°♐	
	6080 Nov 07 06:51	0°♑	
	6080 Dec 04 03:05	0°♒	
evening max el	6080 Dec 24 00:42	20°♒45'28	46°42'53
	6081 Jan 02 16:38	0°♓	
asc. node	6081 Feb 01 01:23	20°♓47'35	
greatest brilliancy	6081 Feb 02 07:31	21°♓16'16	-4.9m
retrograde	6081 Feb 12 07:32	23°♓09'47	
evening set	6081 Feb 28 01:21	18°♓16'31	
inferior conj	6081 Mar 04 21:21	15°♓23'28	7°12'26
minimum elong	6081 Mar 04 10:34	15°♓39'58	7°10'17
min. Earth dist.	6081 Mar 04 10:28	15°♓40'07	0.26835 AU
morning rise	6081 Mar 08 19:55	13°♓01'23	
direct	6081 Mar 25 10:04	7°♓40'05	
greatest brilliancy	6081 Apr 03 21:39	9°♓22'56	-4.9m
	6081 May 04 01:35	0°♈	
morning max el	6081 May 14 17:52	10°♈13'35	46°45'37
desc. node	6081 May 23 17:22	19°♈25'23	
	6081 Jun 02 14:33	0°♉	
	6081 Jun 29 07:04	0°♊	
	6081 Jul 25 00:29	0°♋	
	6081 Aug 19 06:54	0°♌	
	6081 Sep 13 05:44	0°♍	
asc. node	6081 Sep 13 18:08	0°♍37'29	
	6081 Oct 07 21:49	0°♎	
	6081 Nov 01 08:01	0°♏	
morning set	6081 Nov 10 12:36	11°♏21'08	
	6081 Nov 25 13:47	0°♐	
max. Earth dist.	6081 Dec 15 09:25	24°♐38'39	1.72155 AU
superior conj	6081 Dec 18 03:08	28°♐03'19	0°38'00
minimum elong	6081 Dec 18 11:16	28°♐28'37	0°37'39

	6081 Dec 19 16:36	0°♉	
desc. node	6082 Jan 03 09:56	18°♉22'13	
	6082 Jan 12 17:21	0°♒	
evening rise	6082 Jan 26 17:04	17°♒30'03	
	6082 Feb 05 16:36	0°♓	
	6082 Mar 01 15:20	0°♈	
	6082 Mar 25 15:38	0°♉	
	6082 Apr 18 20:40	0°♊	
asc. node	6082 Apr 26 10:40	9°♊19'01	
	6082 May 13 10:36	0°♋	
	6082 Jun 07 15:30	0°♌	
	6082 Jul 03 23:26	0°♍	
evening max el	6082 Jul 30 13:22	27°♍42'47	45°38'33
	6082 Aug 01 22:44	0°♎	
desc. node	6082 Aug 16 02:55	12°♎28'10	
greatest brilliancy	6082 Sep 07 01:30	25°♎48'06	-4.7m
retrograde	6082 Sep 17 08:09	27°♎41'45	
evening set	6082 Oct 05 09:17	21°♎35'47	
inferior conj	6082 Oct 08 19:41	19°♎27'59	-8°34'32
minimum elong	6082 Oct 08 17:52	19°♎30'50	8°34'29
min. Earth dist.	6082 Oct 09 00:33	19°♎20'20	0.29096 AU
morning rise	6082 Oct 12 02:25	17°♎25'42	
direct	6082 Oct 30 10:16	11°♎09'31	
greatest brilliancy	6082 Nov 10 01:34	13°♎13'33	-4.8m
	6082 Dec 05 15:13	0°♏	
asc. node	6082 Dec 07 03:40	1°♏19'35	
morning max el	6082 Dec 19 02:06	12°♏32'49	46°13'46
	6083 Jan 04 19:54	0°♐	
	6083 Jan 31 07:06	0°♑	
	6083 Feb 25 11:08	0°♒	
	6083 Mar 22 00:53	0°♓	
desc. node	6083 Mar 28 19:38	8°♓21'04	
	6083 Apr 15 07:39	0°♈	
	6083 May 09 11:30	0°♉	
	6083 Jun 02 15:09	0°♊	
morning set	6083 Jun 23 15:10	26°♊01'42	
	6083 Jun 26 20:13	0°♋	
asc. node	6083 Jul 19 20:17	28°♋25'09	
	6083 Jul 21 03:02	0°♌	
superior conj	6083 Jul 31 09:34	12°♌39'57	0°27'21
minimum elong	6083 Jul 31 03:55	12°♌22'32	0°27'03
max. Earth dist.	6083 Aug 01 19:19	14°♌23'58	1.73221 AU
	6083 Aug 14 11:10	0°♍	
evening rise	6083 Sep 05 21:03	27°♍34'50	
	6083 Sep 07 20:17	0°♎	
	6083 Oct 02 06:44	0°♏	
	6083 Oct 26 19:28	0°♐	
desc. node	6083 Nov 08 12:11	15°♐28'06	
	6083 Nov 20 11:15	0°♑	
	6083 Dec 15 06:54	0°♒	
	6084 Jan 09 08:42	0°♓	
	6084 Feb 04 00:25	0°♈	
asc. node	6084 Feb 29 13:06	28°♈13'52	
	6084 Mar 02 05:37	0°♉	
evening max el	6084 Mar 06 20:20	4°♉44'50	47°05'13
	6084 Apr 04 22:46	0°♊	
greatest brilliancy	6084 Apr 16 07:39	5°♊57'10	-4.9m
retrograde	6084 Apr 26 11:29	7°♊53'53	
evening set	6084 May 13 11:24	2°♊17'47	
inferior conj	6084 May 17 09:18	29°♉53'49	7°18'22
minimum elong	6084 May 17 19:34	29°♉37'49	7°16'26
	6084 May 17 05:19	30°℞♉	
min. Earth dist.	6084 May 17 07:06	29°♉57'14	0.27573 AU
morning rise	6084 May 22 03:59	27°♉00'12	
direct	6084 Jun 07 05:33	22°♉00'43	
greatest brilliancy	6084 Jun 16 20:53	23°♉43'52	-4.8m
desc. node	6084 Jun 20 05:08	25°♉02'37	
	6084 Jun 29 05:19	0°♊	
morning max el	6084 Jul 26 12:20	22°♊45'58	46°00'00
	6084 Aug 02 19:52	0°♋	
	6084 Aug 30 23:13	0°♌	
	6084 Sep 26 08:37	0°♍	
asc. node	6084 Oct 11 05:57	17°♍25'49	
	6084 Oct 21 19:59	0°♎	
	6084 Nov 15 16:42	0°♏	
	6084 Dec 10 03:24	0°♐	
	6085 Jan 03 07:39	0°♑	
morning set	6085 Jan 21 01:42	22°♑09'49	
	6085 Jan 27 07:56	0°♒	
desc. node	6085 Jan 30 21:48	4°♒28'58	
	6085 Feb 20 05:42	0°♓	
max. Earth dist.	6085 Mar 02 02:32	12°♓24'31	1.71174 AU
superior conj	6085 Mar 02 22:13	13°♓26'27	-1°06'20
minimum elong	6085 Mar 02 10:21	12°♓49'07	1°05'57
	6085 Mar 16 02:10	0°♈	
	6085 Apr 08 22:58	0°♉	
evening rise	6085 Apr 12 17:04	4°♉42'34	
	6085 May 02 22:13	0°♊	
asc. node	6085 May 23 22:33	26°♊06'31	
	6085 May 27 02:04	0°♋	
	6085 Jun 20 12:26	0°♌	
	6085 Jul 15 07:39	0°♍	
	6085 Aug 09 16:06	0°♎	
	6085 Sep 04 23:13	0°♏	
desc. node	6085 Sep 12 14:30	8°♏23'52	
	6085 Oct 03 05:23	0°♐	
evening max el	6085 Oct 09 22:06	6°♐32'54	45°48'33
	6085 Nov 07 22:54	0°♑	
greatest brilliancy	6085 Nov 18 13:27	4°♑59'10	-4.8m
retrograde	6085 Nov 27 19:44	6°♑33'48	
evening set	6085 Dec 13 06:30	1°♑59'08	
	6085 Dec 16 16:33	30°℞♐	
inferior conj	6085 Dec 18 18:27	28°♐43'43	-3°52'36
minimum elong	6085 Dec 19 02:30	28°♐31'19	3°50'18
min. Earth dist.	6085 Dec 19 15:12	28°♐11'46	0.27550 AU
morning rise	6085 Dec 24 21:39	25°♐05'14	
asc. node	6086 Jan 03 15:31	21°♐15'25	
direct	6086 Jan 08 17:42	20°♐43'30	
greatest brilliancy	6086 Jan 19 20:43	23°♐01'49	-4.9m
	6086 Feb 01 08:43	0°♑	
morning max el	6086 Feb 28 07:23	23°♑43'44	46°55'01
	6086 Mar 06 09:17	0°♒	
	6086 Apr 02 11:58	0°♓	
desc. node	6086 Apr 25 07:32	26°♓43'59	
	6086 Apr 28 01:23	0°♈	
	6086 May 22 23:42	0°♉	
	6086 Jun 16 15:45	0°♊	
	6086 Jul 11 05:40	0°♋	
	6086 Aug 04 18:40	0°♌	
asc. node	6086 Aug 16 08:10	14°♌09'24	
	6086 Aug 29 06:19	0°♍	
morning set	6086 Aug 31 18:54	3°♍05'55	
	6086 Sep 22 15:59	0°♎	
max. Earth dist.	6086 Oct 05 16:51	16°♎04'10	1.73264 AU
superior conj	6086 Oct 07 07:36	18°♎03'43	1°25'03
minimum elong	6086 Oct 07 05:35	17°♎57'29	1°25'04
	6086 Oct 16 23:43	0°♏	
	6086 Nov 10 06:18	0°♐	
evening rise	6086 Nov 13 02:25	3°♐30'33	
	6086 Dec 04 12:30	0°♑	
desc. node	6086 Dec 06 00:05	1°♑50'03	

	6086 Dec 28 18:30	0°♒	
	6087 Jan 22 00:36	0°♓	
	6087 Feb 15 08:27	0°♈	
	6087 Mar 11 22:20	0°♉	
asc. node	6087 Mar 29 00:47	20°♉29'19	
	6087 Apr 06 02:38	0°♊	
	6087 May 02 14:45	0°♋	
evening max el	6087 May 18 12:13	16°♋35'19	46°23'30
	6087 Jun 01 20:56	0°♌	
greatest brilliancy	6087 Jun 26 06:00	16°♌06'13	-4.8m
retrograde	6087 Jul 07 08:41	18°♌22'38	
desc. node	6087 Jul 18 17:03	15°♌47'20	
evening set	6087 Jul 22 09:05	13°♌57'29	
min. Earth dist.	6087 Jul 28 05:40	10°♌27'44	0.28561 AU
inferior conj	6087 Jul 28 17:48	10°♌08'47	-2°24'15
minimum elong	6087 Jul 28 12:35	10°♌16'55	2°22'45
morning rise	6087 Aug 03 16:36	6°♌34'31	
direct	6087 Aug 19 01:42	2°♌00'32	
greatest brilliancy	6087 Aug 29 00:13	3°♌47'23	-4.7m
	6087 Oct 05 00:13	0°♍	
morning max el	6087 Oct 06 18:50	1°♍41'00	45°42'10
	6087 Nov 03 04:14	0°♎	
asc. node	6087 Nov 08 17:58	6°♎09'14	
	6087 Nov 29 14:58	0°♏	
	6087 Dec 24 20:38	0°♐	
	6088 Jan 18 10:48	0°♑	
	6088 Feb 11 16:20	0°♒	
desc. node	6088 Feb 28 09:39	20°♒51'38	
	6088 Mar 06 17:00	0°♓	
	6088 Mar 30 15:10	0°♈	
morning set	6088 Apr 07 14:25	10°♈00'04	
	6088 Apr 23 12:54	0°♉	
superior conj	6088 May 17 17:21	0°♊16'18	-1°10'14
minimum elong	6088 May 18 04:06	0°♊49'53	1°09'57
	6088 May 17 12:08	0°♊	
max. Earth dist.	6088 May 21 09:12	4°♊50'33	1.71925 AU
	6088 Jun 10 14:16	0°♋	
asc. node	6088 Jun 20 10:28	12°♋12'23	
evening rise	6088 Jun 25 22:41	19°♋01'24	
	6088 Jul 04 19:59	0°♌	
	6088 Jul 29 05:38	0°♍	
	6088 Aug 22 20:03	0°♎	
	6088 Sep 16 17:05	0°♏	
desc. node	6088 Oct 10 02:18	27°♏46'13	
	6088 Oct 11 23:49	0°♐	
	6088 Nov 06 21:09	0°♑	
	6088 Dec 03 20:52	0°♒	
evening max el	6088 Dec 21 15:35	18°♒26'17	46°41'06
	6089 Jan 02 21:43	0°♓	
greatest brilliancy	6089 Jan 30 20:02	18°♓49'12	-4.9m
asc. node	6089 Jan 31 03:25	18°♓55'46	
retrograde	6089 Feb 09 20:28	20°♓42'32	
evening set	6089 Feb 25 10:01	15°♓55'28	
inferior conj	6089 Mar 02 09:51	12°♓56'46	6°57'05
minimum elong	6089 Mar 01 22:55	13°♓13'31	6°54'46
min. Earth dist.	6089 Mar 01 23:09	13°♓13'09	0.26814 AU
morning rise	6089 Mar 06 11:59	10°♓29'31	
direct	6089 Mar 22 23:11	5°♓13'49	
greatest brilliancy	6089 Apr 01 10:26	6°♓56'32	-4.9m
	6089 May 04 05:07	0°♈	
morning max el	6089 May 12 07:07	7°♈50'18	46°46'55
desc. node	6089 May 22 19:28	18°♈39'32	
	6089 Jun 02 07:53	0°♉	
	6089 Jun 28 21:10	0°♊	
	6089 Jul 24 13:03	0°♋	
	6089 Aug 18 18:35	0°♌	
asc. node	6089 Sep 12 20:00	0°♍09'29	
	6089 Sep 12 16:52	0°♍	
	6089 Oct 07 08:39	0°♎	
	6089 Oct 31 18:42	0°♏	
morning set	6089 Nov 08 05:10	9°♏11'04	
	6089 Nov 25 00:27	0°♐	
max. Earth dist.	6089 Dec 12 21:32	22°♐13'42	1.72201 AU
superior conj	6089 Dec 15 17:25	25°♐44'59	0°41'10
minimum elong	6089 Dec 16 01:59	26°♐11'40	0°40'50
	6089 Dec 19 03:18	0°♑	
desc. node	6090 Jan 02 11:57	17°♑54'54	
	6090 Jan 12 04:09	0°♒	
evening rise	6090 Jan 24 05:14	15°♒03'48	
	6090 Feb 05 03:33	0°♓	
	6090 Mar 01 02:27	0°♈	
	6090 Mar 25 02:57	0°♉	
	6090 Apr 18 08:16	0°♊	
asc. node	6090 Apr 25 12:44	8°♊49'20	
	6090 May 12 22:45	0°♋	
	6090 Jun 07 04:44	0°♌	
	6090 Jul 03 15:09	0°♍	
evening max el	6090 Jul 28 04:40	25°♍30'56	45°39'06
	6090 Aug 01 22:07	0°♎	
desc. node	6090 Aug 15 04:49	11°♎25'49	
greatest brilliancy	6090 Sep 04 16:51	23°♎38'39	-4.7m
retrograde	6090 Sep 14 23:32	25°♎32'39	
evening set	6090 Oct 02 23:45	19°♎29'11	
inferior conj	6090 Oct 06 11:56	17°♎18'34	-8°32'13
minimum elong	6090 Oct 06 09:21	17°♎22'38	8°32'07
min. Earth dist.	6090 Oct 06 15:54	17°♎12'19	0.29116 AU
morning rise	6090 Oct 09 18:53	15°♎15'43	
direct	6090 Oct 28 02:27	9°♎00'04	
greatest brilliancy	6090 Nov 07 17:11	11°♎02'57	-4.8m
	6090 Dec 05 19:19	0°♏	
asc. node	6090 Dec 06 05:44	0°♏23'15	
morning max el	6090 Dec 16 16:06	10°♏15'00	46°12'07
	6091 Jan 04 13:01	0°♐	
	6091 Jan 30 21:11	0°♑	
	6091 Feb 24 23:54	0°♒	
	6091 Mar 21 12:56	0°♓	
desc. node	6091 Mar 27 21:31	7°♓50'12	
	6091 Apr 14 19:14	0°♈	
	6091 May 08 22:45	0°♉	
	6091 Jun 02 02:08	0°♊	
morning set	6091 Jun 21 06:47	23°♊48'06	
	6091 Jun 26 06:58	0°♋	
asc. node	6091 Jul 18 22:15	27°♋58'24	
	6091 Jul 20 13:40	0°♌	
superior conj	6091 Jul 29 02:42	10°♌32'10	0°24'12
minimum elong	6091 Jul 28 21:37	10°♌16'31	0°23'56
max. Earth dist.	6091 Jul 30 14:51	12°♌23'36	1.73193 AU
	6091 Aug 13 21:46	0°♍	
evening rise	6091 Sep 03 15:25	25°♍30'55	
	6091 Sep 07 06:58	0°♎	
	6091 Oct 01 17:38	0°♏	
	6091 Oct 26 06:42	0°♐	
desc. node	6091 Nov 07 14:14	14°♐59'26	
	6091 Nov 19 23:00	0°♑	
	6091 Dec 14 19:25	0°♒	
	6092 Jan 08 22:25	0°♓	
	6092 Feb 03 16:19	0°♈	
asc. node	6092 Feb 28 15:01	27°♈24'51	
	6092 Mar 02 02:53	0°♉	
evening max el	6092 Mar 04 09:06	2°♉18'30	47°05'36
	6092 Apr 06 09:10	0°♊	

greatest brilliancy	6092 Apr 13 23:16	3°♊36'34	-4.9m
retrograde	6092 Apr 24 01:15	5°♊32'09	
	6092 May 10 22:58	30°℞♉	
evening set	6092 May 11 04:46	29°♉51'26	
inferior conj	6092 May 14 23:16	27°♉32'43	7°31'49
minimum elong	6092 May 15 09:15	27°♉17'11	7°30'02
min. Earth dist.	6092 May 14 21:23	27°♉35'39	0.27544 AU
morning rise	6092 May 19 13:56	24°♉44'49	
direct	6092 Jun 04 18:27	19°♉39'50	
greatest brilliancy	6092 Jun 14 10:42	21°♉23'35	-4.8m
desc. node	6092 Jun 19 07:08	23°♉24'02	
	6092 Jun 30 05:28	0°♊	
morning max el	6092 Jul 24 02:07	20°♊27'38	46°01'36
	6092 Aug 02 15:53	0°♋	
	6092 Aug 30 14:11	0°♌	
	6092 Sep 25 21:33	0°♍	
asc. node	6092 Oct 10 08:03	16°♍55'48	
	6092 Oct 21 07:55	0°♎	
	6092 Nov 15 04:07	0°♏	
	6092 Dec 09 14:33	0°♐	
	6093 Jan 02 18:42	0°♑	
morning set	6093 Jan 18 14:02	19°♑43'42	
	6093 Jan 26 18:57	0°♒	
desc. node	6093 Jan 29 23:44	4°♒00'31	
	6093 Feb 19 16:43	0°♓	
max. Earth dist.	6093 Feb 27 08:38	9°♓38'08	1.71188 AU
superior conj	6093 Feb 28 08:43	10°♓53'52	-1°03'40
minimum elong	6093 Feb 27 20:46	10°♓16'16	1°03'14
	6093 Mar 15 13:12	0°♈	
	6093 Apr 08 10:02	0°♉	
evening rise	6093 Apr 10 03:35	2°♉10'17	
	6093 May 02 09:23	0°♊	
asc. node	6093 May 23 00:38	25°♊38'03	
	6093 May 26 13:23	0°♋	
	6093 Jun 20 00:01	0°♌	
	6093 Jul 14 19:44	0°♍	
	6093 Aug 09 05:10	0°♎	
	6093 Sep 04 14:24	0°♏	
desc. node	6093 Sep 11 16:30	7°♏45'22	
	6093 Oct 03 02:16	0°♐	
evening max el	6093 Oct 07 12:12	4°♐16'57	45°47'16
	6093 Nov 09 17:04	0°♑	
greatest brilliancy	6093 Nov 16 02:30	2°♑40'06	-4.8m
retrograde	6093 Nov 25 09:44	4°♑15'23	
	6093 Dec 10 05:36	30°℞♐	
evening set	6093 Dec 10 22:59	29°♐36'18	
inferior conj	6093 Dec 16 08:30	26°♐24'08	-4°12'19
minimum elong	6093 Dec 16 17:04	26°♐10'58	4°09'56
min. Earth dist.	6093 Dec 17 05:41	25°♐51'34	0.27618 AU
morning rise	6093 Dec 22 10:21	22°♐47'43	
asc. node	6094 Jan 02 17:30	18°♐39'05	
direct	6094 Jan 06 08:47	18°♐22'48	
greatest brilliancy	6094 Jan 17 12:13	20°♐42'04	-4.9m
	6094 Feb 02 05:06	0°♑	
morning max el	6094 Feb 25 22:54	21°♑24'35	46°54'12
	6094 Mar 06 05:32	0°♒	
	6094 Apr 02 03:34	0°♓	
desc. node	6094 Apr 24 09:41	26°♓09'20	
	6094 Apr 27 15:01	0°♈	
	6094 May 22 12:16	0°♉	
	6094 Jun 16 03:40	0°♊	
	6094 Jul 10 17:07	0°♋	
	6094 Aug 04 05:48	0°♌	
asc. node	6094 Aug 15 10:06	13°♌41'39	
	6094 Aug 28 17:13	0°♍	
morning set	6094 Aug 29 12:29	0°♍59'06	
	6094 Sep 22 02:45	0°♎	
max. Earth dist.	6094 Oct 03 14:51	14°♎10'44	1.73282 AU
superior conj	6094 Oct 05 01:40	15°♎58'10	1°24'39
minimum elong	6094 Oct 04 22:59	15°♎49'52	1°24'39
	6094 Oct 16 10:29	0°♏	
	6094 Nov 09 17:13	0°♐	
evening rise	6094 Nov 10 18:56	1°♐19'30	
	6094 Dec 03 23:38	0°♑	
desc. node	6094 Dec 05 02:08	1°♑21'53	
	6094 Dec 28 05:57	0°♒	
	6095 Jan 21 12:26	0°♓	
	6095 Feb 14 20:48	0°♈	
	6095 Mar 11 11:30	0°♉	
asc. node	6095 Mar 28 02:51	19°♉53'53	
	6095 Apr 05 17:17	0°♊	
	6095 May 02 08:48	0°♋	
evening max el	6095 May 16 04:20	14°♋21'06	46°25'31
	6095 Jun 02 04:19	0°♌	
greatest brilliancy	6095 Jun 23 21:53	13°♌52'56	-4.8m
retrograde	6095 Jul 05 01:17	16°♌09'42	
desc. node	6095 Jul 17 18:59	12°♌55'04	
evening set	6095 Jul 20 00:32	11°♌45'23	
inferior conj	6095 Jul 26 09:30	7°♌56'08	-2°04'16
minimum elong	6095 Jul 26 04:58	8°♌03'12	2°02'57
min. Earth dist.	6095 Jul 25 21:15	8°♌15'15	0.28519 AU
morning rise	6095 Aug 01 10:01	4°♌19'50	
	6095 Aug 13 15:15	30°℞♋	
direct	6095 Aug 16 17:37	29°♋48'36	
	6095 Aug 19 21:14	0°♌	
greatest brilliancy	6095 Aug 26 14:48	1°♌34'50	-4.7m
morning max el	6095 Oct 04 10:56	29°♌31'04	45°41'59
	6095 Oct 04 23:02	0°♍	
	6095 Nov 02 19:59	0°♎	
asc. node	6095 Nov 07 20:00	5°♎32'46	
	6095 Nov 29 04:20	0°♏	
	6095 Dec 24 08:58	0°♐	
	6096 Jan 17 22:37	0°♑	
	6096 Feb 11 03:52	0°♒	
desc. node	6096 Feb 27 11:38	20°♒22'13	
	6096 Mar 06 04:22	0°♓	
	6096 Mar 30 02:25	0°♈	
morning set	6096 Apr 05 00:54	7°♈27'08	
	6096 Apr 23 00:04	0°♉	
superior conj	6096 May 15 05:47	27°♉50'34	-1°12'26
minimum elong	6096 May 15 16:16	28°♉23'20	1°12'10
	6096 May 16 23:13	0°♊	
max. Earth dist.	6096 May 18 23:47	2°♊31'40	1.71876 AU
	6096 Jun 10 01:18	0°♋	
asc. node	6096 Jun 19 12:23	11°♋44'08	
evening rise	6096 Jun 23 13:34	16°♋44'53	
	6096 Jul 04 07:02	0°♌	
	6096 Jul 28 16:50	0°♍	
	6096 Aug 22 07:33	0°♎	
	6096 Sep 16 05:08	0°♏	
desc. node	6096 Oct 09 04:24	27°♏14'33	
	6096 Oct 11 12:47	0°♐	
	6096 Nov 06 11:51	0°♑	
	6096 Dec 03 15:18	0°♒	
evening max el	6096 Dec 19 05:46	16°♒04'55	46°39'10
	6097 Jan 03 05:11	0°♓	
greatest brilliancy	6097 Jan 28 09:01	16°♓22'14	-4.9m
asc. node	6097 Jan 30 05:18	16°♓58'46	
retrograde	6097 Feb 07 08:54	18°♓14'40	
evening set	6097 Feb 22 18:56	13°♓33'35	
inferior conj	6097 Feb 27 22:28	10°♓29'28	6°40'49

minimum elong	6097 Feb 27 11:28	10°♓46'19	6°38'23
min. Earth dist.	6097 Feb 27 12:20	10°♓45'00	0.26802 AU
morning rise	6097 Mar 04 04:10	7°♓56'51	
direct	6097 Mar 20 11:57	2°♓46'43	
greatest brilliancy	6097 Mar 30 00:01	4°♓29'49	-4.9m
	6097 May 04 07:40	0°♈	
morning max el	6097 May 09 19:29	5°♈23'06	46°48'01
desc. node	6097 May 21 21:27	17°♈52'34	
	6097 Jun 02 01:23	0°♉	
	6097 Jun 28 11:37	0°♊	
	6097 Jul 24 01:56	0°♋	
	6097 Aug 18 06:34	0°♌	
asc. node	6097 Sep 11 22:05	29°♌41'11	
	6097 Sep 12 04:18	0°♍	
	6097 Oct 06 19:46	0°♎	
	6097 Oct 31 05:39	0°♏	
morning set	6097 Nov 05 22:00	7°♏00'59	
	6097 Nov 24 11:21	0°♐	
max. Earth dist.	6097 Dec 10 10:42	19°♐51'24	1.72244 AU
superior conj	6097 Dec 13 08:16	23°♐27'52	0°44'14
minimum elong	6097 Dec 13 17:14	23°♐55'46	0°43'53
	6097 Dec 18 14:13	0°♑	
desc. node	6098 Jan 01 13:54	17°♑26'42	
	6098 Jan 11 15:09	0°♒	
evening rise	6098 Jan 21 17:59	12°♒38'56	
	6098 Feb 04 14:41	0°♓	
	6098 Feb 28 13:47	0°♈	
	6098 Mar 24 14:31	0°♉	
	6098 Apr 17 20:12	0°♊	
asc. node	6098 Apr 24 14:45	8°♊18'29	
	6098 May 12 11:19	0°♋	
	6098 Jun 06 18:30	0°♌	
	6098 Jul 03 07:34	0°♍	
evening max el	6098 Jul 25 19:04	23°♍15'48	45°39'56
	6098 Aug 01 23:08	0°♎	
desc. node	6098 Aug 14 06:49	10°♎21'10	
greatest brilliancy	6098 Sep 02 08:07	21°♎28'12	-4.7m
retrograde	6098 Sep 12 15:05	23°♎22'59	
evening set	6098 Sep 30 13:58	17°♎22'10	
inferior conj	6098 Oct 04 04:12	15°♎08'33	-8°29'14
minimum elong	6098 Oct 04 00:52	15°♎13'47	8°29'04
min. Earth dist.	6098 Oct 04 07:22	15°♎03'34	0.29130 AU
morning rise	6098 Oct 07 11:40	13°♎04'50	
direct	6098 Oct 25 18:14	6°♎49'55	
greatest brilliancy	6098 Nov 05 09:13	8°♎52'25	-4.8m
asc. node	6098 Dec 05 07:40	29°♎27'27	
	6098 Dec 05 21:57	0°♏	
morning max el	6098 Dec 14 06:24	7°♏57'34	46°10'42
	6099 Jan 04 05:53	0°♐	
	6099 Jan 30 11:11	0°♑	
	6099 Feb 24 12:37	0°♒	
	6099 Mar 21 00:58	0°♓	
desc. node	6099 Mar 26 23:41	7°♓20'11	
	6099 Apr 14 06:50	0°♈	
	6099 May 08 10:03	0°♉	
	6099 Jun 01 13:13	0°♊	
morning set	6099 Jun 18 21:55	21°♊32'18	
	6099 Jun 25 17:54	0°♋	
asc. node	6099 Jul 18 00:13	27°♋31'01	
	6099 Jul 20 00:29	0°♌	
superior conj	6099 Jul 26 19:16	8°♌22'02	0°20'58
minimum elong	6099 Jul 26 14:49	8°♌08'17	0°20'44
max. Earth dist.	6099 Jul 28 08:00	10°♌15'17	1.73164 AU
	6099 Aug 13 08:34	0°♍	
evening rise	6099 Sep 01 09:21	23°♍25'14	
	6099 Sep 06 17:48	0°♎	
	6099 Oct 01 04:39	0°♏	
	6099 Oct 25 18:02	0°♐	
desc. node	6099 Nov 06 16:14	14°♐30'17	
	6099 Nov 19 10:52	0°♑	
	6099 Dec 14 08:03	0°♒	
	6100 Jan 08 12:15	0°♓	
	6100 Feb 03 08:23	0°♈	
asc. node	6100 Feb 27 17:09	26°♈36'04	
evening max el	6100 Mar 02 22:00	29°♈52'58	47°06'02
	6100 Mar 03 00:47	0°♉	
	6100 Apr 09 12:59	0°♊	
greatest brilliancy	6100 Apr 12 14:03	1°♊15'27	-4.9m
retrograde	6100 Apr 22 15:19	3°♊10'57	
	6100 May 05 04:45	30°℞♉	
evening set	6100 May 09 22:02	27°♉25'17	
inferior conj	6100 May 13 13:13	25°♉11'47	7°44'21
minimum elong	6100 May 13 22:53	24°♉56'48	7°42'43
min. Earth dist.	6100 May 13 11:18	25°♉14'46	0.27524 AU
morning rise	6100 May 17 23:52	22°♉29'54	
direct	6100 Jun 03 07:38	17°♉18'59	
greatest brilliancy	6100 Jun 13 00:17	19°♉03'15	-4.8m
desc. node	6100 Jun 19 09:06	21°♉49'10	
	6100 Jul 01 23:17	0°♊	
morning max el	6100 Jul 22 16:44	18°♊11'06	46°03'00
	6100 Aug 03 11:23	0°♋	
	6100 Aug 31 05:04	0°♌	
	6100 Sep 26 10:28	0°♍	
asc. node	6100 Oct 10 10:05	16°♍25'37	
	6100 Oct 21 19:49	0°♎	
	6100 Nov 15 15:27	0°♏	
	6100 Dec 10 01:37	0°♐	
	6101 Jan 03 05:39	0°♑	
morning set	6101 Jan 17 02:30	17°♑18'31	
	6101 Jan 27 05:52	0°♒	
desc. node	6101 Jan 30 01:44	3°♒32'38	
	6101 Feb 20 03:37	0°♓	
max. Earth dist.	6101 Feb 25 17:13	6°♓59'57	1.71199 AU
superior conj	6101 Feb 26 19:23	8°♓22'13	-1°00'52
minimum elong	6101 Feb 26 07:26	7°♓44'38	1°00'26
	6101 Mar 16 00:05	0°♈	
evening rise	6101 Apr 08 14:26	29°♈39'39	
	6101 Apr 08 20:55	0°♉	
	6101 May 02 20:19	0°♊	
asc. node	6101 May 23 02:33	25°♊09'45	
	6101 May 27 00:29	0°♋	
	6101 Jun 20 11:25	0°♌	
	6101 Jul 15 07:41	0°♍	
	6101 Aug 09 18:13	0°♎	
	6101 Sep 05 05:45	0°♏	
desc. node	6101 Sep 11 18:37	7°♏06'59	
	6101 Oct 03 23:52	0°♐	
evening max el	6101 Oct 06 03:06	2°♐03'15	45°46'07
	6101 Nov 13 14:19	0°♑	
greatest brilliancy	6101 Nov 14 15:24	0°♑21'30	-4.8m
retrograde	6101 Nov 23 23:50	1°♑57'17	
	6101 Dec 03 21:26	30°℞♐	
evening set	6101 Dec 09 15:35	27°♐14'00	
inferior conj	6101 Dec 14 22:30	24°♐05'03	-4°31'35
minimum elong	6101 Dec 15 07:31	23°♐51'10	4°29'07
min. Earth dist.	6101 Dec 15 19:46	23°♐32'19	0.27682 AU
morning rise	6101 Dec 20 22:46	20°♐30'55	
asc. node	6102 Jan 02 19:29	16°♐08'48	
direct	6102 Jan 05 00:02	16°♐02'55	