

superior conj	299 May 27 j 08:09	4°♁40'27	0°04'43	min. Earth dist.	301 Oct 17 j 06:12	23°♁06'29	0.26776 AU
minimum elong	299 May 27 j 07:12	4°♁37'30	0°04'41	morning rise	301 Oct 22 j 05:20	20°♁12'57	
behind sun begin	299 May 26 j 09:38	3°♁31'19		direct	301 Nov 06 j 04:11	15°♁47'38	
behind sun end	299 May 28 j 04:45	5°♁43'40		asc. node	301 Nov 09 j 03:36	15°♁58'22	
	299 Jun 16 j 22:45	0°♁		greatest brilliancy	301 Nov 19 j 08:39	19°♁02'10	-4.7m
evening rise	299 Jul 02 j 04:00	18°♁43'56			301 Dec 06 j 02:47	0°♁	
	299 Jul 11 j 07:31	0°♁		morning max el	301 Dec 26 j 23:13	19°♁20'35	46°55'19
	299 Aug 04 j 15:37	0°♁			302 Jan 06 j 03:37	0°♁	
	299 Aug 29 j 00:22	0°♁			302 Feb 01 j 23:46	0°♁	
desc. node	299 Sep 13 j 22:10	19°♁31'56			302 Feb 27 j 15:44	0°♁	
	299 Sep 22 j 11:16	0°♁		desc. node	302 Feb 28 j 17:16	1°♁15'29	
	299 Oct 17 j 02:05	0°♁			302 Mar 24 j 20:20	0°♁	
	299 Nov 11 j 00:22	0°♁			302 Apr 18 j 19:27	0°♁	
	299 Dec 06 j 15:52	0°♁			302 May 13 j 15:05	0°♁	
evening max el	300 Jan 02 j 17:48	29°♁28'31	46°56'27		302 Jun 07 j 07:19	0°♁	
	300 Jan 03 j 06:12	0°♁		asc. node	302 Jun 21 j 20:28	17°♁47'08	
asc. node	300 Jan 05 j 01:17	1°♁48'27		morning set	302 Jun 27 j 04:10	24°♁18'34	
greatest brilliancy	300 Feb 08 j 04:58	29°♁00'23	-4.6m		302 Jul 01 j 19:22	0°♁	
	300 Feb 10 j 09:21	0°♁			302 Jul 26 j 02:52	0°♁	
retrograde	300 Feb 22 j 08:53	2°♁41'02		max. Earth dist.	302 Jul 29 j 20:42	4°♁38'14	1.72767 AU
	300 Mar 04 j 20:09	30°♁					
evening set	300 Mar 10 j 23:26	26°♁40'49		superior conj	302 Aug 02 j 13:15	9°♁12'48	1°17'57
inferior conj	300 Mar 14 j 14:51	24°♁24'05	7°52'42	minimum elong	302 Aug 02 j 06:48	8°♁52'47	1°17'50
minimum elong	300 Mar 14 j 22:02	24°♁12'42	7°51'51		302 Aug 19 j 06:31	0°♁	
min. Earth dist.	300 Mar 14 j 10:21	24°♁31'14	0.28552 AU	evening rise	302 Sep 08 j 12:34	25°♁14'55	
morning rise	300 Mar 18 j 20:49	21°♁45'42			302 Sep 12 j 07:56	0°♁	
direct	300 Apr 04 j 19:15	16°♁13'05			302 Oct 06 j 08:47	0°♁	
greatest brilliancy	300 Apr 16 j 15:07	18°♁43'09	-4.5m	desc. node	302 Oct 11 j 10:12	6°♁18'46	
desc. node	300 Apr 25 j 14:50	23°♁20'04			302 Oct 30 j 10:17	0°♁	
	300 May 05 j 03:44	0°♁			302 Nov 23 j 13:34	0°♁	
morning max el	300 May 23 j 15:50	16°♁09'25	45°46'47		302 Dec 17 j 21:00	0°♁	
	300 Jun 06 j 13:13	0°♁			303 Jan 11 j 13:44	0°♁	
	300 Jul 04 j 06:21	0°♁		asc. node	303 Feb 01 j 13:05	24°♁46'01	
	300 Jul 30 j 08:17	0°♁			303 Feb 06 j 01:58	0°♁	
asc. node	300 Aug 16 j 18:07	20°♁40'57			303 Mar 05 j 09:02	0°♁	
	300 Aug 24 j 11:34	0°♁		evening max el	303 Mar 14 j 23:23	9°♁41'07	45°44'16
	300 Sep 17 j 23:36	0°♁			303 Apr 07 j 16:03	0°♁	
	300 Oct 12 j 01:57	0°♁		greatest brilliancy	303 Apr 18 j 03:56	6°♁16'21	-4.5m
	300 Nov 04 j 23:23	0°♁		retrograde	303 May 02 j 20:35	10°♁01'50	
morning set	300 Nov 19 j 05:17	17°♁55'53		evening set	303 May 17 j 22:18	5°♁37'55	
	300 Nov 28 j 19:17	0°♁		inferior conj	303 May 24 j 07:13	1°♁48'12	0°-2'-38
desc. node	300 Dec 06 j 07:47	9°♁28'04		minimum elong	303 May 24 j 07:07	1°♁48'21	0°02'38
	300 Dec 22 j 15:38	0°♁		transit begin	303 May 24 j 03:07	1°♁54'38	
				transit end	303 May 24 j 11:08	1°♁42'04	
superior conj	300 Dec 31 j 02:57	10°♁38'30	0°-54'-27	desc. node	303 May 24 j 02:42	1°♁55'18	
minimum elong	300 Dec 30 j 15:15	10°♁01'49	0°54'02	min. Earth dist.	303 May 24 j 10:16	1°♁43'25	0.28984 AU
max. Earth dist.	301 Jan 03 j 07:13	14°♁37'51	1.71318 AU		303 May 27 j 04:51	30°♁	
	301 Jan 15 j 13:31	0°♁		morning rise	303 May 30 j 16:02	27°♁58'49	
	301 Feb 08 j 14:00	0°♁		direct	303 Jun 15 j 00:01	23°♁29'39	
evening rise	301 Feb 10 j 01:59	1°♁51'58		greatest brilliancy	303 Jun 28 j 17:35	26°♁47'22	-4.5m
	301 Mar 04 j 18:29	0°♁			303 Jul 04 j 20:45	0°♁	
	301 Mar 29 j 04:27	0°♁		morning max el	303 Aug 02 j 23:57	23°♁33'41	45°56'09
asc. node	301 Mar 29 j 11:00	0°♁20'00			303 Aug 09 j 12:43	0°♁	
	301 Apr 22 j 21:26	0°♁			303 Sep 06 j 09:42	0°♁	
	301 May 17 j 23:27	0°♁		asc. node	303 Sep 14 j 06:01	8°♁57'59	
	301 Jun 12 j 14:42	0°♁			303 Oct 02 j 03:23	0°♁	
	301 Jul 09 j 05:14	0°♁			303 Oct 26 j 20:44	0°♁	
desc. node	301 Jul 19 j 00:23	10°♁35'17			303 Nov 20 j 02:08	0°♁	
	301 Aug 07 j 00:37	0°♁			303 Dec 14 j 02:42	0°♁	
evening max el	301 Aug 07 j 09:36	0°♁21'43	46°14'49	desc. node	304 Jan 03 j 19:33	25°♁53'53	
greatest brilliancy	301 Sep 15 j 10:24	29°♁10'33	-4.6m		304 Jan 07 j 02:18	0°♁	
	301 Sep 17 j 22:47	0°♁			304 Jan 31 j 02:50	0°♁	
retrograde	301 Sep 25 j 22:22	1°♁11'27		morning set	304 Feb 05 j 12:21	6°♁43'33	
	301 Oct 03 j 14:49	30°♁			304 Feb 24 j 05:17	0°♁	
evening set	301 Oct 11 j 18:28	26°♁21'23					
inferior conj	301 Oct 16 j 13:43	23°♁31'27	-5°-37'-6	superior conj	304 Mar 16 j 00:42	25°♁47'51	-1°-17'-30
minimum elong	301 Oct 17 j 00:07	23°♁15'42	5°34'31	minimum elong	304 Mar 16 j 08:31	26°♁12'02	1°17'22

max. Earth dist.	304 Mar 19 j 08:14	29° $\Upsilon$ 53'49	1.72834 AU	asc. node	306 Oct 11 j 17:51	1° $\Upsilon$ 49'29	
	304 Mar 19 j 10:14	0° $\Upsilon$		morning max el	306 Oct 13 j 00:27	3° $\Upsilon$ 06'03	46°37'24
	304 Apr 12 j 18:02	0° $\Upsilon$			306 Nov 06 j 23:03	0° $\Omega$	
evening rise	304 Apr 23 j 00:03	12° $\Upsilon$ 35'59			306 Dec 02 j 15:04	0° $\Omega$	
asc. node	304 Apr 25 j 22:56	16° $\Upsilon$ 13'34			306 Dec 27 j 10:27	0° $\Upsilon$	
	304 May 07 j 04:37	0° $\Omega$			307 Jan 20 j 22:09	0° $\Upsilon$	
	304 May 31 j 17:53	0° $\Omega$		desc. node	307 Jan 31 j 07:28	12° $\Upsilon$ 46'19	
	304 Jun 25 j 10:18	0° $\Omega$			307 Feb 14 j 07:30	0° $\approx$	
	304 Jul 20 j 07:26	0° $\Upsilon$			307 Mar 10 j 16:40	0° $\Upsilon$	
	304 Aug 14 j 12:18	0° $\Omega$			307 Apr 04 j 02:29	0° $\Upsilon$	
desc. node	304 Aug 15 j 12:14	1° $\Omega$ 10'37		morning set	307 Apr 18 j 09:25	17° $\Upsilon$ 32'31	
	304 Sep 09 j 06:23	0° $\Omega$			307 Apr 28 j 13:03	0° $\Upsilon$	
	304 Oct 06 j 03:29	0° $\Upsilon$			307 May 22 j 23:46	0° $\Omega$	
evening max el	304 Oct 19 j 18:05	14° $\Upsilon$ 13'18	47°19'12	max. Earth dist.	307 May 24 j 03:28	1° $\Omega$ 25'00	1.73652 AU
	304 Nov 05 j 12:01	0° $\Upsilon$		asc. node	307 May 24 j 10:40	1° $\Omega$ 47'08	
greatest brilliancy	304 Nov 27 j 05:41	14° $\Upsilon$ 46'38	-4.7m				
asc. node	304 Dec 06 j 15:25	17° $\Upsilon$ 27'04		superior conj	307 May 25 j 02:19	2° $\Omega$ 35'12	0°01'34
retrograde	304 Dec 09 j 13:19	17° $\Upsilon$ 37'17		minimum elong	307 May 25 j 02:00	2° $\Omega$ 34'12	0°01'33
evening set	304 Dec 24 j 15:21	13° $\Upsilon$ 04'12		behind sun begin	307 May 24 j 03:41	1° $\Omega$ 25'40	
min. Earth dist.	304 Dec 29 j 06:43	10° $\Upsilon$ 18'02	0.26803 AU	behind sun end	307 May 26 j 00:19	3° $\Omega$ 42'43	
inferior conj	304 Dec 30 j 04:55	9° $\Upsilon$ 43'37	5°36'15		307 Jun 16 j 09:46	0° $\Omega$	
minimum elong	304 Dec 29 j 18:57	9° $\Upsilon$ 59'05	5°33'48	evening rise	307 Jun 29 j 23:02	16° $\Upsilon$ 40'47	
morning rise	305 Jan 03 j 23:06	6° $\Upsilon$ 51'48			307 Jul 10 j 18:38	0° $\Omega$	
direct	305 Jan 19 j 15:04	2° $\Upsilon$ 02'37			307 Aug 04 j 02:57	0° $\Upsilon$	
greatest brilliancy	305 Jan 30 j 07:14	4° $\Upsilon$ 10'17	-4.6m		307 Aug 28 j 12:03	0° $\Omega$	
	305 Mar 06 j 13:37	0° $\approx$		desc. node	307 Sep 13 j 00:22	19° $\Omega$ 01'49	
morning max el	305 Mar 10 j 06:19	3° $\approx$ 34'27	46°21'13		307 Sep 21 j 23:30	0° $\Omega$	
desc. node	305 Mar 28 j 05:12	22° $\approx$ 01'12			307 Oct 16 j 15:04	0° $\Upsilon$	
	305 Apr 04 j 14:37	0° $\Upsilon$			307 Nov 10 j 14:32	0° $\Upsilon$	
	305 May 01 j 08:54	0° $\Upsilon$			307 Dec 06 j 08:18	0° $\approx$	
	305 May 27 j 05:07	0° $\Upsilon$		evening max el	307 Dec 31 j 08:55	27° $\approx$ 08'55	46°58'41
	305 Jun 21 j 12:15	0° $\Omega$			308 Jan 03 j 04:51	0° $\Upsilon$	
	305 Jul 16 j 09:03	0° $\Omega$		asc. node	308 Jan 04 j 03:17	0° $\Upsilon$ 55'43	
asc. node	305 Jul 19 j 08:18	3° $\Upsilon$ 36'48		greatest brilliancy	308 Feb 05 j 20:47	26° $\Upsilon$ 44'07	-4.6m
	305 Aug 09 j 20:42	0° $\Omega$			308 Feb 15 j 10:11	0° $\Upsilon$	
	305 Sep 03 j 00:54	0° $\Upsilon$		retrograde	308 Feb 20 j 01:18	0° $\Upsilon$ 25'34	
morning set	305 Sep 04 j 01:36	1° $\Upsilon$ 17'04			308 Feb 24 j 14:06	30° $\Upsilon$	
	305 Sep 27 j 00:09	0° $\Omega$		evening set	308 Mar 08 j 17:15	24° $\Upsilon$ 21'48	
max. Earth dist.	305 Oct 10 j 15:17	17° $\Omega$ 07'27	1.71298 AU	min. Earth dist.	308 Mar 12 j 00:48	22° $\Upsilon$ 17'33	0.28516 AU
				inferior conj	308 Mar 12 j 06:28	22° $\Upsilon$ 08'36	8°00'53
superior conj	305 Oct 12 j 10:25	19° $\Omega$ 23'01	0°57'27	minimum elong	308 Mar 12 j 13:06	21° $\Upsilon$ 58'05	8°00'11
minimum elong	305 Oct 12 j 21:03	19° $\Omega$ 56'27	0°57'04	morning rise	308 Mar 16 j 09:10	19° $\Upsilon$ 35'24	
	305 Oct 20 j 21:04	0° $\Omega$		direct	308 Apr 02 j 10:21	13° $\Upsilon$ 58'12	
desc. node	305 Nov 07 j 22:05	22° $\Omega$ 41'31		greatest brilliancy	308 Apr 14 j 04:37	16° $\Upsilon$ 27'18	-4.5m
	305 Nov 13 j 17:35	0° $\Upsilon$		desc. node	308 Apr 24 j 16:53	22° $\Upsilon$ 00'55	
evening rise	305 Nov 22 j 11:20	10° $\Upsilon$ 58'52			308 May 05 j 14:30	0° $\Upsilon$	
	305 Dec 07 j 14:56	0° $\Upsilon$		morning max el	308 May 21 j 08:08	13° $\Upsilon$ 59'00	45°47'17
	305 Dec 31 j 14:19	0° $\approx$			308 Jun 06 j 07:41	0° $\Upsilon$	
	306 Jan 24 j 17:42	0° $\Upsilon$			308 Jul 03 j 20:55	0° $\Omega$	
	306 Feb 18 j 04:18	0° $\Upsilon$			308 Jul 29 j 21:11	0° $\Omega$	
asc. node	306 Mar 01 j 01:07	13° $\Upsilon$ 09'44		asc. node	308 Aug 15 j 20:12	20° $\Omega$ 10'27	
	306 Mar 15 j 02:51	0° $\Upsilon$			308 Aug 23 j 23:37	0° $\Omega$	
	306 Apr 09 j 20:49	0° $\Omega$			308 Sep 17 j 11:12	0° $\Upsilon$	
	306 May 07 j 02:35	0° $\Omega$			308 Oct 11 j 13:20	0° $\Omega$	
evening max el	306 May 24 j 11:36	17° $\Omega$ 31'13	45°20'13		308 Nov 04 j 10:40	0° $\Omega$	
	306 Jun 07 j 10:11	0° $\Omega$		morning set	308 Nov 16 j 16:15	15° $\Omega$ 23'56	
desc. node	306 Jun 20 j 14:38	9° $\Omega$ 38'30			308 Nov 28 j 06:32	0° $\Upsilon$	
greatest brilliancy	306 Jun 29 j 14:32	14° $\Omega$ 21'24	-4.5m	desc. node	308 Dec 05 j 09:46	8° $\Upsilon$ 58'59	
retrograde	306 Jul 12 j 01:19	17° $\Omega$ 05'31			308 Dec 22 j 02:51	0° $\Upsilon$	
evening set	306 Jul 29 j 03:30	11° $\Omega$ 38'46					
inferior conj	306 Aug 02 j 09:22	9° $\Omega$ 05'05	-7°-59'-47	superior conj	308 Dec 28 j 12:38	8° $\Upsilon$ 03'00	0°-51'-19
minimum elong	306 Aug 02 j 01:49	9° $\Omega$ 16'44	7°58'55	minimum elong	308 Dec 28 j 01:13	7° $\Upsilon$ 27'10	0°50'52
min. Earth dist.	306 Aug 02 j 18:04	8° $\Omega$ 51'39	0.28513 AU	max. Earth dist.	308 Dec 31 j 16:19	12° $\Upsilon$ 00'33	1.71288 AU
morning rise	306 Aug 05 j 23:50	6° $\Omega$ 53'05			309 Jan 15 j 00:43	0° $\approx$	
direct	306 Aug 23 j 19:40	0° $\Omega$ 54'17		evening rise	309 Feb 07 j 13:42	29° $\approx$ 24'11	
greatest brilliancy	306 Sep 07 j 08:07	4° $\Omega$ 37'26	-4.6m		309 Feb 08 j 01:12	0° $\Upsilon$	
	306 Oct 09 j 21:35	0° $\Upsilon$			309 Mar 04 j 05:45	0° $\Upsilon$	

	309 Mar 28 j 15:54	0°♄			311 Oct 01 j 16:33	0°♍		
asc. node	309 Mar 28 j 13:05	29°♃51'24			311 Oct 26 j 09:02	0°♌		
	309 Apr 22 j 09:15	0°♈			311 Nov 19 j 13:58	0°♋		
	309 May 17 j 11:58	0°♁			311 Dec 13 j 14:11	0°♊		
	309 Jun 12 j 04:34	0°♈		desc. node	312 Jan 02 j 21:40	25°♏25'14		
	309 Jul 08 j 21:51	0°♁			312 Jan 06 j 13:33	0°♏		
desc. node	309 Jul 18 j 02:26	9°♁52'12			312 Jan 30 j 13:54	0°♏		
evening max el	309 Aug 04 j 23:53	28°♁02'40	46°12'12	morning set	312 Feb 03 j 00:02	4°♏16'04		
	309 Aug 07 j 00:54	0°♌			312 Feb 23 j 16:12	0°♏		
greatest brilliancy	309 Sep 12 j 22:32	26°♌44'32	-4.6m					
retrograde	309 Sep 23 j 10:43	28°♌44'56		superior conj	312 Mar 13 j 15:39	23°♏32'09	-1°-18'-55	
evening set	309 Oct 09 j 10:08	23°♌50'33		minimum elong	312 Mar 13 j 22:57	23°♏54'44	1°18'47	
inferior conj	309 Oct 14 j 02:12	21°♌04'44	-5°-55'-8	max. Earth dist.	312 Mar 17 j 02:53	27°♏49'37	1.72783 AU	
minimum elong	309 Oct 14 j 12:47	20°♌48'40	5°52'38		312 Mar 18 j 21:03	0°♏		
min. Earth dist.	309 Oct 14 j 19:11	20°♌38'58	0.26825 AU		312 Apr 12 j 04:49	0°♏		
morning rise	309 Oct 19 j 15:02	17°♌49'49		evening rise	312 Apr 20 j 17:10	10°♏27'57		
direct	309 Nov 03 j 17:53	13°♌20'24		asc. node	312 Apr 25 j 00:53	15°♏46'17		
asc. node	309 Nov 08 j 05:30	13°♌44'31			312 May 06 j 15:30	0°♈		
greatest brilliancy	309 Nov 16 j 22:26	16°♌35'13	-4.7m		312 May 31 j 05:00	0°♁		
	309 Dec 06 j 14:57	0°♋			312 Jun 24 j 21:50	0°♏		
morning max el	309 Dec 24 j 12:49	16°♋54'53	46°55'38		312 Jul 19 j 19:40	0°♏		
	310 Jan 05 j 23:05	0°♏			312 Aug 14 j 01:38	0°♌		
	310 Feb 01 j 15:07	0°♏		desc. node	312 Aug 14 j 14:25	0°♌37'36		
	310 Feb 27 j 05:14	0°♏			312 Sep 08 j 21:40	0°♋		
desc. node	310 Feb 27 j 19:27	0°♏42'07			312 Oct 05 j 22:54	0°♏		
	310 Mar 24 j 08:48	0°♏		evening max el	312 Oct 17 j 06:53	11°♏46'00	47°18'02	
	310 Apr 18 j 07:16	0°♏			312 Nov 05 j 23:14	0°♏		
	310 May 13 j 02:28	0°♏		greatest brilliancy	312 Nov 24 j 21:40	12°♏21'41	-4.7m	
	310 Jun 06 j 18:24	0°♈		asc. node	312 Dec 05 j 17:31	15°♏07'04		
asc. node	310 Jun 20 j 22:31	17°♈19'52		retrograde	312 Dec 07 j 02:01	15°♏09'18		
morning set	310 Jun 24 j 22:10	22°♈13'02		evening set	312 Dec 22 j 01:37	10°♏40'39		
	310 Jul 01 j 06:17	0°♁		min. Earth dist.	312 Dec 26 j 20:42	7°♏49'40	0.26746 AU	
	310 Jul 25 j 13:45	0°♏		inferior conj	312 Dec 27 j 17:49	7°♏16'59	5°17'52	
max. Earth dist.	310 Jul 27 j 12:57	2°♏26'07	1.72819 AU	minimum elong	312 Dec 27 j 08:04	7°♏32'05	5°15'21	
				morning rise	313 Jan 01 j 14:59	4°♏21'03		
superior conj	310 Jul 31 j 06:45	7°♏04'24	1°16'38		313 Jan 12 j 18:06	30°♏		
minimum elong	310 Jul 30 j 23:53	6°♏43'06	1°16'30	direct	313 Jan 17 j 02:52	29°♏36'40		
	310 Aug 18 j 17:30	0°♏			313 Jan 21 j 13:53	0°♏		
evening rise	310 Sep 06 j 03:26	22°♏56'51		greatest brilliancy	313 Jan 27 j 21:50	1°♏46'44	-4.6m	
	310 Sep 11 j 19:05	0°♌			313 Mar 06 j 13:48	0°♏		
	310 Oct 05 j 20:09	0°♋		morning max el	313 Mar 07 j 18:51	1°♏10'57	46°22'56	
desc. node	310 Oct 10 j 12:14	5°♋49'32		desc. node	313 Mar 27 j 07:14	21°♏19'22		
	310 Oct 29 j 21:51	0°♏			313 Apr 04 j 07:02	0°♏		
	310 Nov 23 j 01:25	0°♏			313 Apr 30 j 22:33	0°♏		
	310 Dec 17 j 09:18	0°♏			313 May 26 j 17:24	0°♏		
	311 Jan 11 j 02:51	0°♏			313 Jun 20 j 23:49	0°♈		
asc. node	311 Jan 31 j 15:13	24°♏10'40			313 Jul 15 j 20:12	0°♁		
	311 Feb 05 j 16:45	0°♏		asc. node	313 Jul 18 j 10:26	3°♁09'29		
	311 Mar 05 j 04:12	0°♏			313 Aug 09 j 07:38	0°♏		
evening max el	311 Mar 12 j 14:51	7°♏28'11	45°46'08	morning set	313 Sep 01 j 16:55	29°♏01'17		
	311 Apr 08 j 13:18	0°♈			313 Sep 02 j 11:45	0°♏		
greatest brilliancy	311 Apr 15 j 21:16	4°♈08'41	-4.5m		313 Sep 26 j 11:01	0°♌		
retrograde	311 Apr 30 j 12:38	7°♈53'15		max. Earth dist.	313 Oct 08 j 02:18	14°♌36'56	1.71337 AU	
evening set	311 May 15 j 15:41	3°♈28'19						
	311 May 21 j 10:44	30°♏		superior conj	313 Oct 09 j 22:50	16°♌56'55	1°00'08	
inferior conj	311 May 21 j 23:45	29°♏39'33	0°16'58	minimum elong	313 Oct 10 j 09:28	17°♌30'20	0°59'46	
minimum elong	311 May 22 j 00:22	29°♏38'34	0°16'47		313 Oct 20 j 08:00	0°♋		
min. Earth dist.	311 May 22 j 03:10	29°♏34'10	0.28984 AU	desc. node	313 Nov 07 j 00:02	22°♋13'01		
desc. node	311 May 23 j 04:42	28°♏54'07			313 Nov 13 j 04:37	0°♏		
morning rise	311 May 28 j 09:06	25°♏48'56		evening rise	313 Nov 19 j 21:11	8°♏24'18		
direct	311 Jun 12 j 16:21	21°♏21'05			313 Dec 07 j 02:05	0°♏		
greatest brilliancy	311 Jun 26 j 08:02	24°♏36'13	-4.5m		313 Dec 31 j 01:34	0°♏		
	311 Jul 05 j 23:31	0°♈			314 Jan 24 j 05:06	0°♏		
morning max el	311 Jul 31 j 14:29	21°♈19'30	45°55'01		314 Feb 17 j 16:01	0°♏		
	311 Aug 09 j 08:25	0°♁		asc. node	314 Feb 28 j 03:13	12°♏39'59		
	311 Sep 06 j 00:39	0°♏			314 Mar 14 j 15:16	0°♏		
asc. node	311 Sep 13 j 08:10	8°♏23'01			314 Apr 09 j 10:43	0°♈		

	314 May 06 j 20:07	0°♄			316 Oct 11 j 00:25	0°♌		
evening max el	314 May 22 j 02:40	15°♄19'14	45°19'41		316 Nov 03 j 21:42	0°♍		
	314 Jun 07 j 18:35	0°♌		morning set	316 Nov 14 j 03:04	12°♍52'15		
desc. node	314 Jun 19 j 16:45	8°♌19'52			316 Nov 27 j 17:31	0°♎		
greatest brilliancy	314 Jun 27 j 01:22	12°♌04'45	-4.5m	desc. node	316 Dec 04 j 11:56	8°♎31'14		
retrograde	314 Jul 09 j 16:44	14°♌53'21			316 Dec 21 j 13:47	0°♏		
evening set	314 Jul 26 j 15:08	9°♌30'47						
inferior conj	314 Jul 31 j 00:34	6°♌51'58	-7°-50'-48	superior conj	316 Dec 25 j 22:00	5°♏27'19	0°-48'-2	
minimum elong	314 Jul 30 j 16:30	7°♌04'24	7°49'48	minimum elong	316 Dec 25 j 10:57	4°♏52'38	0°47'35	
min. Earth dist.	314 Jul 31 j 08:21	6°♌39'57	0.28556 AU	max. Earth dist.	316 Dec 29 j 02:13	9°♏26'41	1.71252 AU	
morning rise	314 Aug 03 j 17:35	4°♌36'20			317 Jan 14 j 11:37	0°♐		
	314 Aug 13 j 08:26	30°♄		evening rise	317 Feb 05 j 01:12	26°♐56'36		
direct	314 Aug 21 j 11:31	28°♄40'27			317 Feb 07 j 12:06	0°♑		
	314 Aug 29 j 22:05	0°♌			317 Mar 03 j 16:43	0°♒		
greatest brilliancy	314 Sep 05 j 01:06	2°♌25'13	-4.6m	asc. node	317 Mar 27 j 15:05	29°♒23'31		
	314 Oct 09 j 20:16	0°♍			317 Mar 28 j 03:02	0°♓		
morning max el	314 Oct 10 j 16:02	0°♍49'29	46°36'02		317 Apr 21 j 20:44	0°♈		
asc. node	314 Oct 10 j 19:48	0°♍58'58			317 May 17 j 00:08	0°♉		
	314 Nov 06 j 15:09	0°♌			317 Jun 11 j 18:06	0°♊		
	314 Dec 02 j 04:53	0°♍			317 Jul 08 j 14:17	0°♋		
	314 Dec 26 j 23:08	0°♎		desc. node	317 Jul 17 j 04:36	9°♋10'18		
desc. node	315 Jan 20 j 10:09	0°♏		evening max el	317 Aug 02 j 13:37	25°♋43'45	46°09'25	
	315 Jan 30 j 09:34	12°♏16'36			317 Aug 07 j 01:48	0°♌		
	315 Feb 13 j 19:01	0°♐		greatest brilliancy	317 Sep 10 j 11:20	24°♌20'41	-4.6m	
	315 Mar 10 j 03:47	0°♑		retrograde	317 Sep 20 j 22:32	26°♌19'45		
	315 Apr 03 j 13:18	0°♒		evening set	317 Oct 07 j 01:54	21°♌21'01		
morning set	315 Apr 16 j 02:40	15°♒25'16		inferior conj	317 Oct 11 j 14:48	18°♌39'19	-6°-12'-23	
	315 Apr 27 j 23:41	0°♓		minimum elong	317 Oct 12 j 01:27	18°♌23'06	6°09'58	
max. Earth dist.	315 May 22 j 03:09	29°♓37'59	1.73652 AU	min. Earth dist.	317 Oct 12 j 08:30	18°♌12'23	0.26883 AU	
	315 May 22 j 10:19	0°♈		morning rise	317 Oct 17 j 00:37	15°♌28'05		
				direct	317 Nov 01 j 07:13	10°♌54'13		
superior conj	315 May 22 j 20:49	0°♈32'14	0°-1'-35	asc. node	317 Nov 07 j 07:40	11°♌36'55		
minimum elong	315 May 22 j 21:08	0°♈33'12	0°01'35	greatest brilliancy	317 Nov 14 j 12:54	14°♌09'43	-4.7m	
behind sun begin	315 May 21 j 22:46	29°♓24'34			317 Dec 06 j 23:50	0°♍		
behind sun end	315 May 23 j 19:29	1°♈41'51		morning max el	317 Dec 22 j 01:40	14°♍27'27	46°55'52	
asc. node	315 May 23 j 12:47	1°♈21'17			318 Jan 05 j 17:54	0°♎		
	315 Jun 15 j 20:20	0°♄			318 Feb 01 j 06:06	0°♏		
evening rise	315 Jun 27 j 18:25	14°♄40'00			318 Feb 26 j 18:25	0°♐		
	315 Jul 10 j 05:22	0°♌		desc. node	318 Feb 26 j 21:28	0°♐09'03		
	315 Aug 03 j 13:57	0°♍			318 Mar 23 j 20:58	0°♑		
	315 Aug 27 j 23:29	0°♌			318 Apr 17 j 18:46	0°♒		
desc. node	315 Sep 12 j 02:21	18°♌31'54			318 May 12 j 13:32	0°♓		
	315 Sep 21 j 11:29	0°♍			318 Jun 06 j 05:11	0°♈		
	315 Oct 16 j 03:50	0°♎		asc. node	318 Jun 20 j 00:42	16°♈53'46		
	315 Nov 10 j 04:30	0°♏		morning set	318 Jun 22 j 16:35	20°♈09'36		
	315 Dec 06 j 00:37	0°♐			318 Jun 30 j 16:55	0°♉		
evening max el	315 Dec 29 j 00:50	24°♐52'20	47°00'56		318 Jul 25 j 00:22	0°♊		
	316 Jan 03 j 04:00	0°♑		max. Earth dist.	318 Jul 25 j 06:15	0°♊18'13	1.72867 AU	
asc. node	316 Jan 03 j 05:27	0°♑03'34						
greatest brilliancy	316 Feb 03 j 13:35	24°♑30'19	-4.6m	superior conj	318 Jul 29 j 00:52	4°♊58'52	1°15'15	
retrograde	316 Feb 17 j 17:57	28°♑11'09		minimum elong	318 Jul 28 j 17:36	4°♊36'23	1°15'05	
evening set	316 Mar 06 j 11:02	22°♑04'15			318 Aug 18 j 04:12	0°♋		
inferior conj	316 Mar 09 j 22:07	19°♑54'16	8°08'29	evening rise	318 Sep 03 j 18:59	20°♋41'59		
minimum elong	316 Mar 10 j 04:12	19°♑44'39	8°07'54		318 Sep 11 j 05:58	0°♌		
min. Earth dist.	316 Mar 09 j 15:03	20°♑05'28	0.28473 AU		318 Oct 05 j 07:16	0°♍		
morning rise	316 Mar 13 j 21:36	17°♑26'07		desc. node	318 Oct 09 j 14:16	5°♍21'02		
direct	316 Mar 31 j 01:55	11°♑44'45			318 Oct 29 j 09:16	0°♎		
greatest brilliancy	316 Apr 11 j 17:08	14°♑11'37	-4.5m		318 Nov 22 j 13:12	0°♏		
desc. node	316 Apr 23 j 18:50	20°♑45'27			318 Dec 16 j 21:37	0°♐		
	316 May 05 j 21:49	0°♒			319 Jan 10 j 16:01	0°♑		
morning max el	316 May 19 j 00:30	11°♒50'09	45°47'55	asc. node	319 Jan 30 j 17:17	23°♑35'02		
	316 Jun 06 j 01:10	0°♓			319 Feb 05 j 07:40	0°♒		
	316 Jun 03 j 10:48	0°♈			319 Mar 04 j 23:51	0°♓		
	316 Jun 29 j 09:33	0°♄		evening max el	319 Mar 10 j 05:25	5°♓13'10	45°48'18	
asc. node	316 Aug 14 j 22:19	19°♄41'23			319 Apr 09 j 18:25	0°♈		
	316 Aug 23 j 11:14	0°♌		greatest brilliancy	319 Apr 13 j 13:48	2°♈00'20	-4.5m	
	316 Sep 16 j 22:26	0°♍		retrograde	319 Apr 28 j 04:46	5°♈45'25		

evening set	319 May 13 j 09:14	1°♁18'58		superior conj	321 Oct 07 j 11:48	14°♁32'16	1°02'41
	319 May 15 j 16:14	30°♁		minimum elong	321 Oct 07 j 22:21	15°♁05'25	1°02'20
inferior conj	319 May 19 j 16:21	27°♁31'33	0°36'35		321 Oct 19 j 19:01	0°♁	
minimum elong	319 May 19 j 17:41	27°♁29'27	0°36'12	desc. node	321 Nov 06 j 02:14	21°♁45'03	
min. Earth dist.	319 May 19 j 20:18	27°♁25'20	0.28981 AU		321 Nov 12 j 15:44	0°♁	
desc. node	319 May 22 j 06:53	25°♁53'52		evening rise	321 Nov 17 j 07:35	5°♁51'19	
morning rise	319 May 26 j 02:05	23°♁40'00			321 Dec 06 j 13:18	0°♁	
direct	319 Jun 10 j 08:17	19°♁12'59			321 Dec 30 j 12:56	0°♁	
greatest brilliancy	319 Jun 23 j 23:29	22°♁26'52	-4.5m		322 Jan 23 j 16:41	0°♁	
	319 Jul 06 j 18:49	0°♁			322 Feb 17 j 04:02	0°♁	
morning max el	319 Jul 29 j 05:20	19°♁06'41	45°54'10	asc. node	322 Feb 27 j 05:11	12°♁08'56	
	319 Aug 09 j 03:19	0°♁			322 Mar 14 j 04:04	0°♁	
	319 Sep 05 j 15:11	0°♁			322 Apr 09 j 01:08	0°♁	
asc. node	319 Sep 12 j 10:07	7°♁48'20			322 May 06 j 14:29	0°♁	
	319 Oct 01 j 05:24	0°♁		evening max el	322 May 19 j 18:33	13°♁08'21	45°19'25
	319 Oct 25 j 21:06	0°♁			322 Jun 08 j 06:32	0°♁	
	319 Nov 19 j 01:37	0°♁		desc. node	322 Jun 18 j 18:50	6°♁57'50	
	319 Dec 13 j 01:36	0°♁		greatest brilliancy	322 Jun 24 j 12:52	9°♁48'16	-4.5m
desc. node	320 Jan 01 j 23:47	24°♁56'35		retrograde	322 Jul 07 j 08:12	12°♁40'26	
	320 Jan 06 j 00:47	0°♁		evening set	322 Jul 24 j 02:53	7°♁22'17	
	320 Jan 30 j 01:00	0°♁		inferior conj	322 Jul 28 j 15:47	4°♁38'15	-7°-41'-15
morning set	320 Jan 31 j 10:59	1°♁45'59		minimum elong	322 Jul 28 j 07:17	4°♁51'21	7°40'05
	320 Feb 23 j 03:10	0°♁		min. Earth dist.	322 Jul 28 j 22:31	4°♁27'50	0.28591 AU
				morning rise	322 Aug 01 j 11:26	2°♁18'46	
superior conj	320 Mar 11 j 06:00	21°♁14'21	-1°-20'-13		322 Aug 05 j 16:07	30°♁	
minimum elong	320 Mar 11 j 12:42	21°♁35'06	1°20'06	direct	322 Aug 19 j 03:45	26°♁26'16	
max. Earth dist.	320 Mar 14 j 18:36	25°♁36'10	1.72726 AU		322 Sep 02 j 07:38	0°♁	
	320 Mar 18 j 07:55	0°♁		greatest brilliancy	322 Sep 02 j 16:52	0°♁10'59	-4.6m
	320 Apr 11 j 15:38	0°♁		morning max el	322 Oct 08 j 07:50	28°♁33'06	46°34'39
evening rise	320 Apr 18 j 09:52	8°♁18'31			322 Oct 09 j 18:18	0°♁	
asc. node	320 Apr 24 j 03:00	15°♁19'28		asc. node	322 Oct 09 j 21:57	0°♁09'16	
	320 May 06 j 02:24	0°♁			322 Nov 06 j 07:10	0°♁	
	320 May 30 j 16:09	0°♁			322 Dec 01 j 18:43	0°♁	
	320 Jun 24 j 09:25	0°♁			322 Dec 26 j 11:54	0°♁	
	320 Jul 19 j 07:55	0°♁			323 Jan 19 j 22:16	0°♁	
	320 Aug 13 j 15:00	0°♁		desc. node	323 Jan 29 j 11:35	11°♁46'13	
desc. node	320 Aug 13 j 16:26	0°♁04'12			323 Feb 13 j 06:40	0°♁	
	320 Sep 08 j 13:01	0°♁			323 Mar 09 j 15:06	0°♁	
	320 Oct 05 j 18:42	0°♁			323 Apr 03 j 00:25	0°♁	
evening max el	320 Oct 14 j 19:38	9°♁19'17	47°16'50	morning set	323 Apr 13 j 19:37	13°♁16'03	
	320 Nov 06 j 13:54	0°♁			323 Apr 27 j 10:39	0°♁	
greatest brilliancy	320 Nov 22 j 12:31	9°♁55'40	-4.7m	max. Earth dist.	323 May 20 j 02:16	27°♁48'06	1.73650 AU
retrograde	320 Dec 04 j 15:01	12°♁41'44					
asc. node	320 Dec 04 j 19:37	12°♁41'41		superior conj	323 May 20 j 14:50	28°♁26'44	0°-4'-46
evening set	320 Dec 19 j 12:05	8°♁16'41		minimum elong	323 May 20 j 15:49	28°♁29'43	0°04'43
min. Earth dist.	320 Dec 24 j 10:33	5°♁21'28	0.26702 AU	behind sun begin	323 May 19 j 18:10	27°♁23'16	
inferior conj	320 Dec 25 j 06:44	4°♁50'19	4°58'38	behind sun end	323 May 21 j 13:27	29°♁36'10	
minimum elong	320 Dec 24 j 21:17	5°♁04'55	4°56'07		323 May 21 j 21:13	0°♁	
morning rise	320 Dec 30 j 06:54	1°♁50'28		asc. node	323 May 22 j 14:56	0°♁54'24	
	321 Jan 02 j 20:19	30°♁			323 Jun 15 j 07:16	0°♁	
direct	321 Jan 14 j 14:57	27°♁10'20		evening rise	323 Jun 25 j 13:22	12°♁36'52	
greatest brilliancy	321 Jan 25 j 12:42	29°♁23'10	-4.6m		323 Jul 09 j 16:25	0°♁	
	321 Jan 27 j 00:47	0°♁			323 Aug 03 j 01:17	0°♁	
morning max el	321 Mar 05 j 08:25	28°♁49'11	46°24'28		323 Aug 27 j 11:14	0°♁	
	321 Mar 06 j 13:10	0°♁		desc. node	323 Sep 11 j 04:23	18°♁01'08	
desc. node	321 Mar 26 j 09:13	20°♁37'07			323 Sep 20 j 23:49	0°♁	
	321 Apr 03 j 23:25	0°♁			323 Oct 15 j 16:57	0°♁	
	321 Apr 30 j 12:19	0°♁			323 Nov 09 j 18:53	0°♁	
	321 May 26 j 05:50	0°♁			323 Dec 05 j 17:31	0°♁	
	321 Jun 20 j 11:28	0°♁		evening max el	323 Dec 26 j 16:56	22°♁35'25	47°03'05
	321 Jul 15 j 07:26	0°♁		asc. node	324 Jan 02 j 07:30	29°♁09'31	
asc. node	321 Jul 17 j 12:27	2°♁41'27			324 Jan 03 j 04:28	0°♁	
	321 Aug 08 j 18:40	0°♁		greatest brilliancy	324 Feb 01 j 07:10	22°♁16'48	-4.6m
morning set	321 Aug 30 j 08:35	26°♁46'20		retrograde	324 Feb 15 j 10:20	25°♁55'42	
	321 Sep 01 j 22:43	0°♁		evening set	324 Mar 04 j 04:38	19°♁46'16	
	321 Sep 25 j 21:59	0°♁		min. Earth dist.	324 Mar 07 j 05:19	17°♁52'26	0.28431 AU
max. Earth dist.	321 Oct 05 j 14:51	12°♁11'01	1.71372 AU	inferior conj	324 Mar 07 j 13:46	17°♁39'04	8°15'15

minimum elong	324 Mar 07 j 19:15	17° $\Upsilon$ 30'23	8°14'46			326 Oct 04 j 18:43	0° $\mathcal{M}$	
morning rise	324 Mar 11 j 10:07	15° $\Upsilon$ 15'36		desc. node		326 Oct 08 j 16:24	4° $\mathcal{M}$ 51'50	
direct	324 Mar 28 j 17:35	9° $\Upsilon$ 30'34				326 Oct 28 j 21:00	0° $\Upsilon$	
greatest brilliancy	324 Apr 09 j 04:59	11° $\Upsilon$ 54'07	-4.5m			326 Nov 22 j 01:18	0° $\mathcal{C}$	
desc. node	324 Apr 22 j 21:04	19° $\Upsilon$ 31'43				326 Dec 16 j 10:15	0° $\approx$	
	324 May 06 j 03:24	0° $\Upsilon$				327 Jan 10 j 05:33	0° $\Upsilon$	
morning max el	324 May 16 j 16:11	9° $\Upsilon$ 38'27	45°48'21	asc. node		327 Jan 29 j 19:18	22° $\Upsilon$ 58'08	
	324 Jun 05 j 18:44	0° $\mathcal{B}$				327 Feb 04 j 23:04	0° $\Upsilon$	
	324 Jul 03 j 01:02	0° $\mathcal{I}$				327 Mar 04 j 20:25	0° $\mathcal{B}$	
	324 Jul 28 j 22:17	0° $\mathcal{E}$		evening max el		327 Mar 07 j 19:46	2° $\mathcal{B}$ 56'49	45°50'35
asc. node	324 Aug 14 j 00:20	19° $\mathcal{E}$ 10'51		greatest brilliancy		327 Apr 11 j 05:15	29° $\mathcal{B}$ 49'57	-4.5m
	324 Aug 22 j 23:11	0° $\mathcal{Q}$				327 Apr 11 j 13:40	0° $\mathcal{I}$	
	324 Sep 16 j 10:00	0° $\mathcal{N}$		retrograde		327 Apr 25 j 21:16	3° $\mathcal{I}$ 37'10	
	324 Oct 10 j 11:49	0° $\mathcal{L}$				327 May 09 j 12:11	30° $\mathcal{B}$	
	324 Nov 03 j 09:01	0° $\mathcal{M}$		evening set		327 May 11 j 02:56	29° $\mathcal{B}$ 08'42	
morning set	324 Nov 11 j 13:54	10° $\mathcal{M}$ 19'44		inferior conj		327 May 17 j 08:59	25° $\mathcal{B}$ 23'00	0°56'06
	324 Nov 27 j 04:49	0° $\Upsilon$		minimum elong		327 May 17 j 11:02	25° $\mathcal{B}$ 19'47	0°55'29
desc. node	324 Dec 03 j 13:59	8° $\Upsilon$ 02'13		min. Earth dist.		327 May 17 j 13:21	25° $\mathcal{B}$ 16'08	0.28980 AU
	324 Dec 21 j 01:02	0° $\mathcal{C}$		desc. node		327 May 21 j 08:53	22° $\mathcal{B}$ 54'37	
				morning rise		327 May 23 j 19:01	21° $\mathcal{B}$ 30'56	
superior conj	324 Dec 23 j 07:28	2° $\mathcal{C}$ 50'58	0°-44'-39	direct		327 Jun 08 j 00:03	17° $\mathcal{B}$ 04'13	
minimum elong	324 Dec 22 j 20:54	2° $\mathcal{C}$ 17'47	0°44'13	greatest brilliancy		327 Jun 21 j 15:36	20° $\mathcal{B}$ 17'54	-4.5m
max. Earth dist.	324 Dec 26 j 10:21	6° $\mathcal{C}$ 46'10	1.71215 AU			327 Jul 07 j 09:28	0° $\mathcal{I}$	
	325 Jan 13 j 22:49	0° $\approx$		morning max el		327 Jul 26 j 20:58	16° $\mathcal{I}$ 55'09	45°53'11
evening rise	325 Feb 02 j 12:44	24° $\approx$ 28'05				327 Aug 08 j 22:02	0° $\mathcal{E}$	
	325 Feb 06 j 23:18	0° $\Upsilon$				327 Sep 05 j 05:53	0° $\mathcal{Q}$	
	325 Mar 03 j 03:58	0° $\Upsilon$		asc. node		327 Sep 11 j 12:17	7° $\mathcal{Q}$ 13'31	
asc. node	325 Mar 26 j 17:14	28° $\Upsilon$ 55'10				327 Sep 30 j 18:32	0° $\mathcal{N}$	
	325 Mar 27 j 14:28	0° $\mathcal{B}$				327 Oct 25 j 09:28	0° $\mathcal{L}$	
	325 Apr 21 j 08:34	0° $\mathcal{I}$				327 Nov 18 j 13:31	0° $\mathcal{M}$	
	325 May 16 j 12:46	0° $\mathcal{E}$				327 Dec 12 j 13:13	0° $\Upsilon$	
	325 Jun 11 j 08:13	0° $\mathcal{Q}$		desc. node		328 Jan 01 j 01:46	24° $\Upsilon$ 26'55	
	325 Jul 08 j 07:34	0° $\mathcal{N}$				328 Jan 05 j 12:12	0° $\mathcal{C}$	
desc. node	325 Jul 16 j 06:35	8° $\mathcal{N}$ 25'59		morning set		328 Jan 28 j 21:46	29° $\mathcal{C}$ 14'44	
evening max el	325 Jul 31 j 02:27	23° $\mathcal{N}$ 21'22	46°06'44			328 Jan 29 j 12:16	0° $\approx$	
	325 Aug 07 j 04:43	0° $\mathcal{L}$				328 Feb 22 j 14:18	0° $\Upsilon$	
greatest brilliancy	325 Sep 08 j 00:49	21° $\mathcal{L}$ 56'24	-4.6m					
retrograde	325 Sep 18 j 10:05	23° $\mathcal{L}$ 53'44		superior conj		328 Mar 08 j 20:19	18° $\Upsilon$ 55'47	-1°-21'-22
evening set	325 Oct 04 j 17:43	18° $\mathcal{L}$ 50'25		minimum elong		328 Mar 09 j 02:23	19° $\Upsilon$ 14'37	1°21'18
inferior conj	325 Oct 09 j 03:27	16° $\mathcal{L}$ 13'08	-6°-28'-49	max. Earth dist.		328 Mar 12 j 08:20	23° $\Upsilon$ 15'58	1.72671 AU
minimum elong	325 Oct 09 j 14:07	15° $\mathcal{L}$ 56'53	6°26'30			328 Mar 17 j 18:57	0° $\Upsilon$	
min. Earth dist.	325 Oct 09 j 22:08	15° $\mathcal{L}$ 44'40	0.26940 AU			328 Apr 11 j 02:38	0° $\mathcal{B}$	
morning rise	325 Oct 14 j 10:04	13° $\mathcal{L}$ 05'51		evening rise		328 Apr 16 j 02:36	6° $\mathcal{B}$ 08'39	
direct	325 Oct 29 j 20:00	8° $\mathcal{L}$ 27'00		asc. node		328 Apr 23 j 05:09	14° $\mathcal{B}$ 52'12	
asc. node	325 Nov 06 j 09:49	9° $\mathcal{L}$ 33'31				328 May 05 j 13:28	0° $\mathcal{I}$	
greatest brilliancy	325 Nov 12 j 04:02	11° $\mathcal{L}$ 44'12	-4.7m			328 May 30 j 03:27	0° $\mathcal{E}$	
	325 Dec 07 j 06:38	0° $\mathcal{M}$				328 Jun 23 j 21:09	0° $\mathcal{Q}$	
morning max el	325 Dec 19 j 14:07	11° $\mathcal{M}$ 57'56	46°56'06			328 Jul 18 j 20:24	0° $\mathcal{N}$	
	326 Jan 05 j 12:34	0° $\Upsilon$		desc. node		328 Aug 12 j 18:27	29° $\mathcal{N}$ 30'01	
	326 Jan 31 j 21:12	0° $\mathcal{C}$				328 Aug 13 j 04:41	0° $\mathcal{L}$	
desc. node	326 Feb 25 j 23:29	29° $\mathcal{C}$ 35'11				328 Sep 08 j 04:54	0° $\mathcal{M}$	
	326 Feb 26 j 07:49	0° $\approx$				328 Oct 05 j 15:31	0° $\Upsilon$	
	326 Mar 23 j 09:22	0° $\Upsilon$		evening max el		328 Oct 12 j 09:13	6° $\Upsilon$ 53'50	47°15'32
	326 Apr 17 j 06:32	0° $\Upsilon$				328 Nov 07 j 10:11	0° $\mathcal{C}$	
	326 May 12 j 00:52	0° $\mathcal{B}$		greatest brilliancy		328 Nov 20 j 02:34	7° $\mathcal{C}$ 27'21	-4.7m
	326 Jun 05 j 16:16	0° $\mathcal{I}$		retrograde		328 Dec 02 j 04:19	10° $\mathcal{C}$ 12'37	
asc. node	326 Jun 19 j 02:41	16° $\mathcal{I}$ 26'07		asc. node		328 Dec 03 j 21:38	10° $\mathcal{C}$ 08'55	
morning set	326 Jun 20 j 10:52	18° $\mathcal{I}$ 04'46		evening set		328 Dec 16 j 22:28	5° $\mathcal{C}$ 50'52	
	326 Jun 30 j 03:53	0° $\mathcal{E}$		min. Earth dist.		328 Dec 21 j 23:52	2° $\mathcal{C}$ 51'59	0.26654 AU
max. Earth dist.	326 Jul 23 j 00:12	28° $\mathcal{E}$ 11'16	1.72921 AU	inferior conj		328 Dec 22 j 19:21	2° $\mathcal{C}$ 22'01	4°38'35
	326 Jul 24 j 11:21	0° $\mathcal{Q}$		minimum elong		328 Dec 22 j 10:15	2° $\mathcal{C}$ 36'01	4°36'06
						328 Dec 26 j 17:26	30° $\Upsilon$	
superior conj	326 Jul 26 j 18:45	2° $\mathcal{Q}$ 51'34	1°13'44	morning rise		328 Dec 27 j 22:29	29° $\Upsilon$ 18'35	
minimum elong	326 Jul 26 j 11:08	2° $\mathcal{Q}$ 27'59	1°13'32	direct		329 Jan 12 j 03:12	24° $\Upsilon$ 42'34	
	326 Aug 17 j 15:17	0° $\mathcal{N}$		greatest brilliancy		329 Jan 23 j 02:25	26° $\Upsilon$ 57'22	-4.6m
evening rise	326 Sep 01 j 10:22	18° $\mathcal{N}$ 25'30				329 Jan 29 j 11:32	0° $\mathcal{C}$	
	326 Sep 10 j 17:13	0° $\mathcal{L}$		morning max el		329 Mar 02 j 22:42	26° $\mathcal{C}$ 28'49	46°26'03

	329 Mar 06 j 11:40	0°♊							331 Aug 26 j 22:47	0°♎			
desc. node	329 Mar 25 j 11:27	19°♊55'51							331 Sep 10 j 06:35	17°♎31'40			
	329 Apr 03 j 15:33	0°♋							331 Sep 20 j 11:56	0°♌			
	329 Apr 30 j 01:59	0°♌							331 Oct 15 j 05:55	0°♍			
	329 May 25 j 18:13	0°♍							331 Nov 09 j 09:12	0°♎			
	329 Jun 19 j 23:08	0°♎							331 Dec 05 j 10:35	0°♏			
	329 Jul 14 j 18:41	0°♏						evening max el	331 Dec 24 j 08:33	20°♏17'14	47°04'55		
asc. node	329 Jul 16 j 14:32	2°♏13'35						asc. node	332 Jan 01 j 09:32	28°♏14'23			
	329 Aug 08 j 05:43	0°♐							332 Jan 03 j 06:10	0°♋			
morning set	329 Aug 28 j 00:26	24°♐32'02						greatest brilliancy	332 Jan 30 j 01:32	20°♋03'46	-4.6m		
	329 Sep 01 j 09:41	0°♑						retrograde	332 Feb 13 j 02:08	23°♋39'28			
	329 Sep 25 j 08:59	0°♒						evening set	332 Mar 01 j 21:48	17°♋28'13			
max. Earth dist.	329 Oct 03 j 01:53	9°♒40'11	1.71414 AU					min. Earth dist.	332 Mar 04 j 19:45	15°♋38'27	0.28383 AU		
								inferior conj	332 Mar 05 j 05:12	15°♋23'28	8°21'16		
superior conj	329 Oct 05 j 00:47	12°♒07'28	1°05'07					minimum elong	332 Mar 05 j 10:01	15°♋15'50	8°20'56		
minimum elong	329 Oct 05 j 11:08	12°♒39'59	1°04'46					morning rise	332 Mar 08 j 22:30	13°♋04'26			
	329 Oct 19 j 06:08	0°♌						direct	332 Mar 26 j 08:38	7°♋16'06			
desc. node	329 Nov 05 j 04:17	21°♌16'17						greatest brilliancy	332 Apr 06 j 16:50	9°♋36'29	-4.5m		
	329 Nov 12 j 02:58	0°♍						desc. node	332 Apr 21 j 23:04	18°♋20'02			
evening rise	329 Nov 14 j 17:34	3°♍16'37							332 May 06 j 06:54	0°♎			
	329 Dec 06 j 00:39	0°♎						morning max el	332 May 14 j 06:48	7°♎24'36	45°48'57		
	329 Dec 30 j 00:24	0°♏							332 Jun 05 j 11:39	0°♐			
	330 Jan 23 j 04:20	0°♐							332 Jul 02 j 14:48	0°♑			
	330 Feb 16 j 16:04	0°♑							332 Jul 28 j 10:38	0°♒			
asc. node	330 Feb 26 j 07:21	11°♑38'31						asc. node	332 Aug 13 j 02:26	18°♒41'33			
	330 Mar 13 j 16:54	0°♒							332 Aug 22 j 10:48	0°♓			
	330 Apr 08 j 15:39	0°♓							332 Sep 15 j 21:14	0°♑			
	330 May 06 j 09:13	0°♔							332 Oct 09 j 22:52	0°♒			
evening max el	330 May 17 j 11:06	10°♔59'23	45°19'11						332 Nov 02 j 20:00	0°♓			
	330 Jun 08 j 22:15	0°♓						morning set	332 Nov 09 j 01:16	7°♓49'55			
desc. node	330 Jun 17 j 20:51	5°♓33'38							332 Nov 26 j 15:45	0°♍			
greatest brilliancy	330 Jun 22 j 01:40	7°♓34'04	-4.5m					desc. node	332 Dec 02 j 15:59	7°♍34'03			
retrograde	330 Jul 04 j 23:36	10°♓28'22							332 Dec 20 j 11:58	0°♎			
evening set	330 Jul 21 j 14:53	5°♓14'59											
inferior conj	330 Jul 26 j 07:12	2°♓25'39	-7°-30'-58					superior conj	332 Dec 20 j 17:08	0°♎16'17	0°-41'-11		
minimum elong	330 Jul 25 j 22:19	2°♓39'22	7°29'41					minimum elong	332 Dec 20 j 07:09	29°♍44'54	0°40'46		
min. Earth dist.	330 Jul 26 j 13:00	2°♓16'41	0.28622 AU					max. Earth dist.	332 Dec 23 j 16:04	3°♎59'04	1.71186 AU		
morning rise	330 Jul 30 j 05:32	0°♓02'03							333 Jan 13 j 09:45	0°♏			
	330 Jul 30 j 06:56	30°♔						evening rise	333 Jan 31 j 00:00	21°♏59'22			
direct	330 Aug 16 j 20:09	24°♔13'27							333 Feb 06 j 10:15	0°♋			
greatest brilliancy	330 Aug 31 j 07:21	27°♔56'04	-4.6m						333 Mar 02 j 14:59	0°♌			
	330 Sep 04 j 05:17	0°♓						asc. node	333 Mar 25 j 19:19	28°♌27'24			
morning max el	330 Oct 05 j 23:02	26°♓15'58	46°33'04						333 Mar 27 j 01:40	0°♍			
asc. node	330 Oct 09 j 00:05	29°♓20'57							333 Apr 20 j 20:10	0°♎			
	330 Oct 09 j 15:19	0°♑							333 May 16 j 01:09	0°♏			
	330 Nov 05 j 22:50	0°♒							333 Jun 10 j 22:07	0°♐			
	330 Dec 01 j 08:25	0°♓							333 Jul 08 j 00:49	0°♑			
	330 Dec 26 j 00:35	0°♍						desc. node	333 Jul 15 j 08:40	7°♑42'28			
	331 Jan 19 j 10:20	0°♎						evening max el	333 Jul 28 j 14:48	20°♑59'06	46°04'08		
desc. node	331 Jan 28 j 13:41	11°♎16'06							333 Aug 07 j 08:44	0°♒			
	331 Feb 12 j 18:16	0°♏						greatest brilliancy	333 Sep 05 j 14:02	19°♒33'30	-4.6m		
	331 Mar 09 j 02:20	0°♐						retrograde	333 Sep 15 j 21:51	21°♒29'56			
	331 Apr 02 j 11:22	0°♑						evening set	333 Oct 02 j 09:40	16°♒21'38			
morning set	331 Apr 11 j 12:24	11°♑06'46						inferior conj	333 Oct 06 j 16:19	13°♒48'59	-6°-44'-15		
	331 Apr 26 j 21:27	0°♒						minimum elong	333 Oct 07 j 02:54	13°♒32'51	6°42'04		
max. Earth dist.	331 May 18 j 01:18	25°♒58'34	1.73644 AU					min. Earth dist.	333 Oct 07 j 12:01	13°♒18'56	0.26999 AU		
								morning rise	333 Oct 11 j 19:36	10°♒46'03			
superior conj	331 May 18 j 08:53	26°♒21'51	0°-7'-54					direct	333 Oct 27 j 08:54	6°♒01'35			
minimum elong	331 May 18 j 10:31	26°♒26'50	0°07'51					asc. node	333 Nov 05 j 11:43	7°♒36'36			
behind sun begin	331 May 17 j 14:43	25°♒26'05						greatest brilliancy	333 Nov 09 j 20:08	9°♒21'49	-4.7m		
behind sun end	331 May 19 j 06:18	27°♒27'36							333 Dec 07 j 10:44	0°♓			
	331 May 21 j 07:57	0°♓						morning max el	333 Dec 17 j 03:04	9°♓31'10	46°56'24		
asc. node	331 May 21 j 16:54	0°♔27'28							334 Jan 05 j 06:16	0°♍			
	331 Jun 14 j 18:01	0°♕							334 Jan 31 j 11:40	0°♎			
evening rise	331 Jun 23 j 08:29	10°♕34'48						desc. node	334 Feb 25 j 01:38	29°♎03'04			
	331 Jul 09 j 03:18	0°♖							334 Feb 25 j 20:44	0°♏			
	331 Aug 02 j 12:26	0°♗							334 Mar 22 j 21:23	0°♐			

	334 Apr 16 j 17:58	0°♃			336 Nov 08 j 13:10	0°♁	
	334 May 11 j 11:53	0°♄		greatest brilliancy	336 Nov 17 j 16:19	4°♁59'35	-4.7m
	334 Jun 05 j 03:00	0°♅		retrograde	336 Nov 29 j 17:50	7°♁43'59	
morning set	334 Jun 18 j 05:01	16°♅00'37		asc. node	336 Dec 02 j 23:44	7°♁30'47	
asc. node	334 Jun 18 j 04:46	15°♅59'50		evening set	336 Dec 14 j 09:02	3°♁25'24	
	334 Jun 29 j 14:29	0°♆		min. Earth dist.	336 Dec 19 j 13:00	0°♁23'05	0.26609 AU
max. Earth dist.	334 Jul 20 j 20:25	26°♆12'31	1.72971 AU		336 Dec 20 j 04:02	30°♁	
	334 Jul 23 j 21:56	0°♇		inferior conj	336 Dec 20 j 07:50	29°♁54'10	4°17'55
				minimum elong	336 Dec 19 j 23:12	0°♁07'26	4°15'29
superior conj	334 Jul 24 j 12:37	0°♇45'27	1°12'06	morning rise	336 Dec 25 j 13:52	26°♁47'16	
minimum elong	334 Jul 24 j 04:42	0°♇20'56	1°11'55	direct	337 Jan 09 j 15:53	22°♁15'25	
	334 Aug 17 j 01:59	0°♈		greatest brilliancy	337 Jan 20 j 15:23	24°♁31'13	-4.6m
evening rise	334 Aug 30 j 02:02	16°♈11'13			337 Jan 31 j 00:45	0°♁	
	334 Sep 10 j 04:06	0°♉		morning max el	337 Feb 28 j 13:13	24°♁09'49	46°27'42
	334 Oct 04 j 05:50	0°♊			337 Mar 06 j 08:59	0°♁	
desc. node	334 Oct 07 j 18:25	4°♊23'21		desc. node	337 Mar 24 j 13:26	19°♁15'18	
	334 Oct 28 j 08:23	0°♋			337 Apr 03 j 07:06	0°♁	
	334 Nov 21 j 13:02	0°♌			337 Apr 29 j 15:13	0°♃	
	334 Dec 15 j 22:30	0°♍			337 May 25 j 06:16	0°♄	
asc. node	335 Jan 09 j 18:43	0°♎			337 Jun 19 j 10:32	0°♅	
	335 Jan 28 j 21:26	22°♎22'45			337 Jul 14 j 05:43	0°♆	
	335 Feb 04 j 14:12	0°♏		asc. node	337 Jul 15 j 16:40	1°♆46'30	
	335 Mar 04 j 17:12	0°♐			337 Aug 07 j 16:33	0°♇	
evening max el	335 Mar 05 j 10:37	0°♐42'54	45°52'49	morning set	337 Aug 25 j 16:19	22°♇18'36	
greatest brilliancy	335 Apr 08 j 20:06	27°♐39'42	-4.5m		337 Aug 31 j 20:28	0°♈	
	335 Apr 14 j 14:32	0°♑			337 Sep 24 j 19:47	0°♉	
retrograde	335 Apr 23 j 14:07	1°♑29'46		max. Earth dist.	337 Sep 30 j 11:01	7°♉04'12	1.71454 AU
	335 May 02 j 05:42	30°♒					
evening set	335 May 08 j 20:44	26°♒58'58		superior conj	337 Oct 02 j 13:58	9°♉44'10	1°07'23
inferior conj	335 May 15 j 01:35	23°♒15'08	1°15'31	minimum elong	337 Oct 03 j 00:03	10°♉15'49	1°07'05
minimum elong	335 May 15 j 04:19	23°♒10'50	1°14'43		337 Oct 18 j 17:01	0°♊	
min. Earth dist.	335 May 15 j 06:09	23°♒07'57	0.28981 AU	desc. node	337 Nov 04 j 06:15	20°♊47'58	
desc. node	335 May 20 j 10:53	19°♒57'57			337 Nov 11 j 13:59	0°♋	
morning rise	335 May 21 j 11:48	19°♒22'58		evening rise	337 Nov 12 j 03:41	0°♋43'01	
direct	335 Jun 05 j 16:08	14°♒56'08			337 Dec 05 j 11:49	0°♌	
greatest brilliancy	335 Jun 19 j 07:59	18°♒10'13	-4.5m		337 Dec 29 j 11:41	0°♍	
	335 Jul 07 j 19:57	0°♎			338 Jan 22 j 15:50	0°♎	
morning max el	335 Jul 24 j 13:28	14°♎46'53	45°52'18		338 Feb 16 j 03:59	0°♏	
	335 Aug 08 j 15:53	0°♏		asc. node	338 Feb 25 j 09:25	11°♏08'12	
	335 Sep 04 j 20:01	0°♐			338 Mar 13 j 05:38	0°♐	
asc. node	335 Sep 10 j 14:23	6°♐39'57			338 Apr 08 j 06:08	0°♑	
	335 Sep 30 j 07:10	0°♒			338 May 06 j 04:15	0°♒	
	335 Oct 24 j 21:22	0°♓		evening max el	338 May 15 j 03:13	8°♓49'51	45°18'53
	335 Nov 18 j 01:01	0°♈			338 Jun 09 j 19:09	0°♓	
	335 Dec 12 j 00:27	0°♉		desc. node	338 Jun 16 j 22:56	4°♓07'02	
desc. node	335 Dec 31 j 03:53	23°♉58'47		greatest brilliancy	338 Jun 19 j 15:18	5°♓21'13	-4.5m
	336 Jan 04 j 23:16	0°♊		retrograde	338 Jul 02 j 14:28	8°♓16'40	
morning set	336 Jan 26 j 08:45	26°♊45'08		evening set	338 Jul 19 j 02:58	3°♓08'07	
	336 Jan 28 j 23:10	0°♋		inferior conj	338 Jul 23 j 22:40	0°♓13'34	-7°-20'-5
	336 Feb 22 j 01:03	0°♌		minimum elong	338 Jul 23 j 13:27	0°♓27'51	7°18'40
				min. Earth dist.	338 Jul 24 j 03:54	0°♓05'28	0.28653 AU
superior conj	336 Mar 06 j 10:41	16°♌38'31	-1°-22'-23		338 Jul 24 j 07:25	30°♓	
minimum elong	336 Mar 06 j 16:06	16°♌55'17	1°22'20	morning rise	338 Jul 27 j 23:42	27°♓45'40	
max. Earth dist.	336 Mar 09 j 22:51	20°♌59'16	1.72619 AU	direct	338 Aug 14 j 12:16	22°♓01'03	
	336 Mar 17 j 05:36	0°♍		greatest brilliancy	338 Aug 28 j 21:38	25°♓41'01	-4.6m
	336 Apr 10 j 13:17	0°♎			338 Sep 05 j 12:06	0°♔	
evening rise	336 Apr 13 j 19:21	3°♎59'55		morning max el	338 Oct 03 j 13:21	23°♔56'47	46°31'31
asc. node	336 Apr 22 j 07:07	14°♎25'25		asc. node	338 Oct 08 j 02:01	28°♔32'59	
	336 May 05 j 00:14	0°♏			338 Oct 09 j 11:37	0°♕	
	336 May 29 j 14:28	0°♐			338 Nov 05 j 14:12	0°♖	
	336 Jun 23 j 08:38	0°♑			338 Nov 30 j 21:55	0°♗	
	336 Jul 18 j 08:37	0°♒			338 Dec 25 j 13:08	0°♘	
desc. node	336 Aug 11 j 20:37	28°♒57'04			339 Jan 18 j 22:17	0°♙	
	336 Aug 12 j 18:10	0°♓		desc. node	339 Jan 27 j 15:47	10°♙46'13	
	336 Sep 07 j 20:40	0°♔			339 Feb 12 j 05:47	0°♚	
	336 Oct 05 j 12:41	0°♕			339 Mar 08 j 13:32	0°♛	
evening max el	336 Oct 09 j 23:40	4°♕31'43	47°14'06		339 Apr 01 j 22:20	0°♜	



morning set	339 Apr 09 j 05:10	8°♃57'21		inferior conj	341 Oct 04 j 05:05	11°♁23'46	-6°-58'-50
	339 Apr 26 j 08:14	0°♄		minimum elong	341 Oct 04 j 15:30	11°♁07'54	6°56'49
superior conj	339 May 16 j 03:01	24°♄17'18	0°-11'-2	min. Earth dist.	341 Oct 05 j 01:30	10°♁52'42	0.27065 AU
minimum elong	339 May 16 j 05:17	24°♄24'16	0°10'57	morning rise	341 Oct 09 j 05:00	8°♁25'40	
behind sun begin	339 May 15 j 12:47	23°♄33'37		direct	341 Oct 24 j 22:08	3°♁34'57	
behind sun end	339 May 16 j 21:47	25°♄14'55		asc. node	341 Nov 04 j 13:54	5°♁43'18	
max. Earth dist.	339 May 15 j 23:34	24°♄06'42	1.73633 AU	greatest brilliancy	341 Nov 07 j 12:45	6°♁59'04	-4.7m
	339 May 20 j 18:39	0°♁			341 Dec 07 j 13:45	0°♁	
asc. node	339 May 20 j 19:01	0°♁01'05		morning max el	341 Dec 14 j 16:59	7°♁05'30	46°56'35
	339 Jun 14 j 04:46	0°♁			342 Jan 05 j 00:03	0°♁	
evening rise	339 Jun 21 j 03:41	8°♁33'03			342 Jan 31 j 02:24	0°♁	
	339 Jul 08 j 14:13	0°♁		desc. node	342 Feb 24 j 03:40	28°♁29'34	
	339 Aug 01 j 23:39	0°♁			342 Feb 25 j 09:57	0°♁	
	339 Aug 26 j 10:27	0°♁			342 Mar 22 j 09:41	0°♁	
desc. node	339 Sep 09 j 08:32	17°♁01'01			342 Apr 16 j 05:40	0°♁	
	339 Sep 20 j 00:14	0°♁			342 May 10 j 23:12	0°♁	
	339 Oct 14 j 19:04	0°♁		morning set	342 Jun 04 j 14:03	0°♁	
	339 Oct 14 j 19:04	0°♁			342 Jun 15 j 23:15	13°♁55'41	
	339 Nov 08 j 23:46	0°♁		asc. node	342 Jun 17 j 06:54	15°♁32'40	
	339 Dec 05 j 04:06	0°♁			342 Jun 29 j 01:25	0°♁	
evening max el	339 Dec 21 j 23:07	17°♁56'00	47°06'45	max. Earth dist.	342 Jun 29 j 01:25	0°♁	
asc. node	339 Dec 31 j 11:40	27°♁18'09			342 Jul 18 j 17:36	24°♁15'46	1.73016 AU
	340 Jan 03 j 09:27	0°♁		superior conj	342 Jul 22 j 06:41	28°♁38'57	1°10'23
greatest brilliancy	340 Jan 27 j 19:42	17°♁49'55	-4.6m	minimum elong	342 Jul 21 j 22:31	28°♁13'41	1°10'10
retrograde	340 Feb 10 j 17:26	21°♁22'43			342 Jul 23 j 08:52	0°♁	
evening set	340 Feb 28 j 14:41	15°♁09'59			342 Aug 16 j 13:01	0°♁	
min. Earth dist.	340 Mar 02 j 10:28	13°♁23'30	0.28335 AU	evening rise	342 Aug 27 j 18:06	13°♁57'15	
inferior conj	340 Mar 02 j 20:37	13°♁07'22	8°26'38		342 Sep 09 j 15:18	0°♁	
minimum elong	340 Mar 03 j 00:43	13°♁00'53	8°26'23		342 Oct 03 j 17:17	0°♁	
morning rise	340 Mar 06 j 10:59	10°♁52'32		desc. node	342 Oct 06 j 20:27	3°♁53'54	
direct	340 Mar 23 j 23:07	5°♁00'55			342 Oct 27 j 20:09	0°♁	
greatest brilliancy	340 Apr 04 j 05:39	7°♁19'13	-4.5m		342 Nov 21 j 01:13	0°♁	
desc. node	340 Apr 21 j 01:04	17°♁09'51			342 Dec 15 j 11:16	0°♁	
	340 May 06 j 09:03	0°♁			343 Jan 09 j 08:28	0°♁	
morning max el	340 May 11 j 21:00	5°♁09'08	45°49'45	asc. node	343 Jan 27 j 23:29	21°♁45'22	
	340 Jun 05 j 04:22	0°♁			343 Feb 04 j 06:03	0°♁	
	340 Jul 02 j 04:33	0°♁		evening max el	343 Mar 03 j 02:11	28°♁29'17	45°55'16
	340 Jul 27 j 23:01	0°♁			343 Mar 04 j 15:19	0°♁	
asc. node	340 Aug 12 j 04:32	18°♁11'56		greatest brilliancy	343 Apr 06 j 11:22	25°♁28'41	-4.5m
	340 Aug 21 j 22:31	0°♁		retrograde	343 Apr 21 j 07:13	29°♁20'47	
	340 Sep 15 j 08:38	0°♁		evening set	343 May 06 j 14:37	24°♁47'36	
	340 Oct 09 j 10:08	0°♁		inferior conj	343 May 12 j 18:03	21°♁05'36	1°34'56
	340 Nov 02 j 07:13	0°♁		minimum elong	343 May 12 j 21:29	21°♁00'14	1°33'57
morning set	340 Nov 06 j 12:24	5°♁18'30		min. Earth dist.	343 May 12 j 22:30	20°♁58'38	0.28980 AU
	340 Nov 26 j 02:56	0°♁		morning rise	343 May 19 j 04:19	17°♁13'40	
desc. node	340 Dec 01 j 18:09	7°♁05'37		desc. node	343 May 19 j 13:05	17°♁01'43	
				direct	343 Jun 03 j 08:41	12°♁46'31	
superior conj	340 Dec 18 j 02:29	27°♁39'44	0°-37'-36	greatest brilliancy	343 Jun 16 j 23:44	16°♁00'24	-4.5m
minimum elong	340 Dec 17 j 17:08	27°♁10'24	0°37'12		343 Jul 08 j 04:14	0°♁	
	340 Dec 19 j 23:07	0°♁		morning max el	343 Jul 22 j 06:32	12°♁38'48	45°51'30
max. Earth dist.	340 Dec 20 j 19:11	1°♁03'03	1.71156 AU		343 Aug 08 j 09:48	0°♁	
	341 Jan 12 j 20:53	0°♁			343 Sep 04 j 10:24	0°♁	
evening rise	341 Jan 28 j 10:57	19°♁29'03		asc. node	343 Sep 09 j 16:20	6°♁04'59	
	341 Feb 05 j 21:25	0°♁			343 Sep 29 j 20:05	0°♁	
	341 Mar 02 j 02:14	0°♁			343 Oct 24 j 09:34	0°♁	
asc. node	341 Mar 24 j 21:17	27°♁58'28			343 Nov 17 j 12:49	0°♁	
	341 Mar 26 j 13:08	0°♁			343 Dec 11 j 12:03	0°♁	
	341 Apr 20 j 08:03	0°♁		desc. node	343 Dec 30 j 05:59	23°♁29'24	
	341 May 15 j 13:51	0°♁			344 Jan 04 j 10:43	0°♁	
	341 Jun 10 j 12:26	0°♁		morning set	344 Jan 23 j 19:17	24°♁12'46	
	341 Jul 07 j 18:42	0°♁			344 Jan 28 j 10:29	0°♁	
desc. node	341 Jul 14 j 10:48	6°♁57'48			344 Feb 21 j 12:14	0°♁	
evening max el	341 Jul 26 j 02:59	18°♁36'04	46°01'38				
	341 Aug 07 j 15:00	0°♁		superior conj	344 Mar 04 j 00:27	14°♁17'48	-1°-23'-17
greatest brilliancy	341 Sep 03 j 01:44	17°♁08'24	-4.6m	minimum elong	344 Mar 04 j 05:07	14°♁32'16	1°23'14
retrograde	341 Sep 13 j 09:53	19°♁05'32		max. Earth dist.	344 Mar 07 j 13:53	18°♁42'42	1.72565 AU
evening set	341 Sep 30 j 01:30	13°♁51'50			344 Mar 16 j 16:41	0°♁	

	344 Apr 10 j 00:21	0°♄			346 Sep 06 j 10:38	0°♁		
evening rise	344 Apr 11 j 11:38	1°♄48'26		morning max el	346 Oct 01 j 02:56	21°♁35'12	46°29'59	
asc. node	344 Apr 21 j 09:13	13°♄57'48		asc. node	346 Oct 07 j 04:12	27°♁45'41		
	344 May 04 j 11:25	0°♁			346 Oct 09 j 07:33	0°♁		
	344 May 29 j 01:56	0°♁			346 Nov 05 j 05:36	0°♁		
	344 Jun 22 j 20:34	0°♁			346 Nov 30 j 11:30	0°♁		
	344 Jul 17 j 21:20	0°♁			346 Dec 25 j 01:46	0°♁		
desc. node	344 Aug 10 j 22:36	28°♁22'12			347 Jan 18 j 10:17	0°♁		
	344 Aug 12 j 08:10	0°♁		desc. node	347 Jan 26 j 17:47	10°♁15'49		
	344 Sep 07 j 13:05	0°♁			347 Feb 11 j 17:21	0°♁		
	344 Oct 05 j 10:57	0°♁			347 Mar 08 j 00:48	0°♁		
evening max el	344 Oct 07 j 14:47	2°♁10'33	47°12'37		347 Apr 01 j 09:23	0°♁		
	344 Nov 10 j 03:55	0°♁		morning set	347 Apr 06 j 21:51	6°♁47'21		
greatest brilliancy	344 Nov 15 j 06:24	2°♁31'45	-4.7m		347 Apr 25 j 19:09	0°♁		
retrograde	344 Nov 27 j 07:15	5°♁14'34						
asc. node	344 Dec 02 j 01:50	4°♁46'01		superior conj	347 May 13 j 21:05	22°♁12'08	0°-14'-10	
evening set	344 Dec 11 j 19:58	0°♁59'10		minimum elong	347 May 13 j 23:59	22°♁21'02	0°14'02	
	344 Dec 13 j 14:01	30°♁		behind sun begin	347 May 13 j 13:25	21°♁48'35		
min. Earth dist.	344 Dec 17 j 02:16	27°♁53'29	0.26567 AU	behind sun end	347 May 14 j 10:33	22°♁53'28		
inferior conj	344 Dec 17 j 20:24	27°♁25'40	3°56'43	max. Earth dist.	347 May 13 j 19:49	22°♁08'16	1.73623 AU	
minimum elong	344 Dec 17 j 12:18	27°♁38'06	3°54'22	asc. node	347 May 19 j 21:09	29°♁34'20		
morning rise	344 Dec 23 j 05:12	24°♁15'16			347 May 20 j 05:30	0°♁		
direct	345 Jan 07 j 04:53	19°♁47'46			347 Jun 13 j 15:38	0°♁		
greatest brilliancy	345 Jan 18 j 04:11	22°♁03'53	-4.6m	evening rise	347 Jun 18 j 22:46	6°♁30'35		
	345 Feb 01 j 03:27	0°♁			347 Jul 08 j 01:15	0°♁		
morning max el	345 Feb 26 j 03:10	21°♁48'09	46°29'04		347 Aug 01 j 11:00	0°♁		
	345 Mar 06 j 06:00	0°♁			347 Aug 25 j 22:16	0°♁		
desc. node	345 Mar 23 j 15:27	18°♁34'04		desc. node	347 Sep 08 j 10:35	16°♁30'21		
	345 Apr 02 j 22:50	0°♁			347 Sep 19 j 12:40	0°♁		
	345 Apr 29 j 04:46	0°♁			347 Oct 14 j 08:25	0°♁		
	345 May 24 j 18:40	0°♁			347 Nov 08 j 14:35	0°♁		
	345 Jun 18 j 22:16	0°♁			347 Dec 04 j 22:03	0°♁		
	345 Jul 13 j 17:04	0°♁		evening max el	347 Dec 19 j 13:07	15°♁33'07	47°08'40	
asc. node	345 Jul 14 j 18:39	1°♁18'02		asc. node	347 Dec 30 j 13:43	26°♁20'31		
	345 Aug 07 j 03:43	0°♁			348 Jan 03 j 14:27	0°♁		
morning set	345 Aug 23 j 08:15	20°♁04'17		greatest brilliancy	348 Jan 25 j 13:17	15°♁35'29	-4.6m	
	345 Aug 31 j 07:33	0°♁		retrograde	348 Feb 08 j 08:49	19°♁06'41		
	345 Sep 24 j 06:54	0°♁		evening set	348 Feb 26 j 07:25	12°♁52'42		
max. Earth dist.	345 Sep 27 j 17:57	4°♁20'26	1.71493 AU	min. Earth dist.	348 Feb 29 j 01:28	11°♁09'03	0.28286 AU	
				inferior conj	348 Feb 29 j 12:13	10°♁51'59	8°31'08	
superior conj	345 Sep 30 j 03:32	7°♁21'06	1°09'31	minimum elong	348 Feb 29 j 15:35	10°♁46'39	8°30'58	
minimum elong	345 Sep 30 j 13:17	7°♁51'44	1°09'15	morning rise	348 Mar 03 j 23:56	8°♁41'05		
	345 Oct 18 j 04:13	0°♁		direct	348 Mar 21 j 13:27	2°♁46'17		
desc. node	345 Nov 03 j 08:26	20°♁19'30		greatest brilliancy	348 Apr 01 j 19:35	5°♁03'47	-4.5m	
evening rise	345 Nov 09 j 14:07	28°♁09'36		desc. node	348 Apr 20 j 03:17	16°♁02'25		
	345 Nov 11 j 01:16	0°♁			348 May 06 j 09:43	0°♁		
	345 Dec 04 j 23:11	0°♁		morning max el	348 May 09 j 11:28	2°♁54'31	45°50'30	
	345 Dec 28 j 23:12	0°♁			348 Jun 04 j 20:43	0°♁		
	346 Jan 22 j 03:35	0°♁			348 Jul 01 j 18:09	0°♁		
	346 Feb 15 j 16:12	0°♁			348 Jul 27 j 11:21	0°♁		
asc. node	346 Feb 24 j 11:23	10°♁36'44		asc. node	348 Aug 11 j 06:32	17°♁42'07		
	346 Mar 12 j 18:45	0°♁			348 Aug 21 j 10:11	0°♁		
	346 Apr 07 j 21:07	0°♁			348 Sep 14 j 19:59	0°♁		
	346 May 06 j 00:14	0°♁			348 Oct 08 j 21:20	0°♁		
evening max el	346 May 12 j 18:36	6°♁37'33	45°18'43		348 Nov 01 j 18:22	0°♁		
	346 Jun 11 j 00:34	0°♁		morning set	348 Nov 03 j 23:41	2°♁47'49		
desc. node	346 Jun 16 j 01:02	2°♁36'39			348 Nov 25 j 14:04	0°♁		
greatest brilliancy	346 Jun 17 j 05:12	3°♁07'55	-4.5m	desc. node	348 Nov 30 j 20:12	6°♁37'04		
retrograde	346 Jun 30 j 05:04	6°♁04'39						
evening set	346 Jul 16 j 15:12	1°♁00'39		superior conj	348 Dec 15 j 11:49	25°♁03'18	0°-33'-56	
	346 Jul 18 j 08:42	30°♁		minimum elong	348 Dec 15 j 03:12	24°♁36'14	0°33'33	
inferior conj	346 Jul 21 j 14:15	28°♁01'10	-7°-8'-39	max. Earth dist.	348 Dec 17 j 21:27	28°♁04'29	1.71131 AU	
minimum elong	346 Jul 21 j 04:45	28°♁15'55	7°07'04		348 Dec 19 j 10:13	0°♁		
min. Earth dist.	346 Jul 21 j 19:13	27°♁53'28	0.28683 AU		349 Jan 12 j 07:58	0°♁		
morning rise	346 Jul 25 j 18:02	25°♁28'55		evening rise	349 Jan 25 j 22:00	16°♁59'13		
direct	346 Aug 12 j 04:00	19°♁48'13			349 Feb 05 j 08:29	0°♁		
greatest brilliancy	346 Aug 26 j 12:43	23°♁26'28	-4.6m		349 Mar 01 j 13:22	0°♁		

asc. node	349 Mar 23 j 23:28	27°♃30'45		351 Nov 17 j 00:20	0°♍		
	349 Mar 26 j 00:26	0°♄		351 Dec 10 j 23:20	0°♁		
	349 Apr 19 j 19:48	0°♂		desc. node	351 Dec 29 j 07:59	23°♁00'43	
	349 May 15 j 02:28	0°♆		352 Jan 03 j 21:50	0°♁		
	349 Jun 10 j 02:46	0°♁		morning set	352 Jan 21 j 05:39	21°♁40'50	
	349 Jul 07 j 12:53	0°♃		352 Jan 27 j 21:27	0°♁		
desc. node	349 Jul 13 j 12:47	6°♃12'27		352 Feb 20 j 23:05	0°♁		
evening max el	349 Jul 23 j 16:06	16°♃15'53	45°59'12				
	349 Aug 07 j 23:26	0°♄		superior conj	352 Mar 01 j 14:01	11°♁57'22	-1°-24'-2
greatest brilliancy	349 Aug 31 j 12:39	14°♄43'30	-4.6m	minimum elong	352 Mar 01 j 17:53	12°♁09'21	1°24'01
retrograde	349 Sep 10 j 22:44	16°♄42'17		max. Earth dist.	352 Mar 05 j 06:25	16°♁31'36	1.72512 AU
evening set	349 Sep 27 j 17:28	11°♄23'13		352 Mar 16 j 03:27	0°♃		
inferior conj	349 Oct 01 j 18:01	8°♄59'34	-7°-12'-32	evening rise	352 Apr 09 j 03:50	29°♃37'37	
minimum elong	349 Oct 02 j 04:13	8°♄44'04	7°10'40	352 Apr 09 j 11:07	0°♄		
min. Earth dist.	349 Oct 02 j 14:40	8°♄28'12	0.27132 AU	asc. node	352 Apr 20 j 11:22	13°♄31'20	
morning rise	349 Oct 06 j 14:29	6°♄06'36		352 May 03 j 22:16	0°♂		
direct	349 Oct 22 j 12:02	1°♄09'36		352 May 28 j 13:01	0°♆		
asc. node	349 Nov 03 j 16:00	3°♄55'14		352 Jun 22 j 08:07	0°♁		
greatest brilliancy	349 Nov 05 j 04:58	4°♄36'58	-4.7m	352 Jul 17 j 09:40	0°♃		
	349 Dec 07 j 15:04	0°♍		desc. node	352 Aug 10 j 00:39	27°♃48'33	
morning max el	349 Dec 12 j 07:43	4°♍42'43	46°56'35	352 Aug 11 j 21:53	0°♄		
	350 Jan 04 j 17:14	0°♁		352 Sep 07 j 05:25	0°♍		
	350 Jan 30 j 16:46	0°♁		evening max el	352 Oct 05 j 05:35	29°♍49'24	47°10'48
desc. node	350 Feb 23 j 05:41	27°♁56'45		352 Oct 05 j 09:49	0°♁		
	350 Feb 24 j 22:52	0°♁		352 Nov 12 j 16:17	0°♁		
	350 Mar 21 j 21:43	0°♁		greatest brilliancy	352 Nov 12 j 21:21	0°♁05'23	-4.7m
	350 Apr 15 j 17:05	0°♃		retrograde	352 Nov 24 j 20:04	2°♁45'12	
	350 May 10 j 10:12	0°♄		asc. node	352 Dec 01 j 03:50	1°♁55'20	
	350 Jun 04 j 00:49	0°♂		352 Dec 06 j 09:55	30°♁		
morning set	350 Jun 13 j 17:50	11°♂52'45		evening set	352 Dec 09 j 07:00	28°♁32'59	
asc. node	350 Jun 16 j 08:54	15°♂05'59		min. Earth dist.	352 Dec 14 j 15:46	25°♁23'42	0.26526 AU
	350 Jun 28 j 12:05	0°♆		inferior conj	352 Dec 15 j 08:49	24°♁57'30	3°34'46
max. Earth dist.	350 Jul 16 j 14:55	22°♆20'16	1.73063 AU	minimum elong	352 Dec 15 j 01:19	25°♁09'02	3°32'34
				morning rise	352 Dec 20 j 20:13	21°♁43'32	
superior conj	350 Jul 20 j 00:57	26°♆33'53	1°08'36	direct	353 Jan 04 j 17:26	17°♁20'30	
minimum elong	350 Jul 19 j 16:34	26°♆07'58	1°08'21	greatest brilliancy	353 Jan 15 j 17:15	19°♁37'06	-4.6m
	350 Jul 22 j 19:34	0°♁		353 Feb 01 j 22:45	0°♁		
	350 Aug 15 j 23:49	0°♃		morning max el	353 Feb 23 j 15:56	19°♁24'11	46°30'27
evening rise	350 Aug 25 j 10:18	11°♃44'26		353 Mar 06 j 01:59	0°♁		
	350 Sep 09 j 02:17	0°♄		desc. node	353 Mar 22 j 17:41	17°♁54'43	
	350 Oct 03 j 04:31	0°♍		353 Apr 02 j 14:00	0°♁		
desc. node	350 Oct 05 j 22:37	3°♍25'38		353 Apr 28 j 17:52	0°♃		
	350 Oct 27 j 07:42	0°♁		353 May 24 j 06:40	0°♄		
	350 Nov 20 j 13:11	0°♁		353 Jun 18 j 09:36	0°♂		
	350 Dec 14 j 23:49	0°♁		353 Jul 13 j 04:01	0°♆		
asc. node	351 Jan 08 j 22:04	0°♁		asc. node	353 Jul 13 j 20:46	0°♆51'03	
	351 Jan 27 j 01:30	21°♁08'21		353 Aug 06 j 14:28	0°♁		
	351 Feb 03 j 21:53	0°♃		morning set	353 Aug 21 j 00:33	17°♁52'31	
evening max el	351 Feb 28 j 18:36	26°♃18'33	45°57'46	353 Aug 30 j 18:15	0°♃		
	351 Mar 04 j 13:59	0°♄		353 Sep 23 j 17:39	0°♄		
greatest brilliancy	351 Apr 04 j 04:11	23°♄20'50	-4.5m	max. Earth dist.	353 Sep 25 j 02:19	1°♄42'23	1.71543 AU
retrograde	351 Apr 19 j 00:33	27°♄13'03					
evening set	351 May 04 j 08:50	22°♄37'43		superior conj	353 Sep 27 j 17:27	5°♄00'25	1°11'31
inferior conj	351 May 10 j 10:40	18°♄57'31	1°54'09	minimum elong	353 Sep 28 j 02:49	5°♄29'47	1°11'16
minimum elong	351 May 10 j 14:45	18°♄51'07	1°52'59	353 Oct 17 j 15:06	0°♍		
min. Earth dist.	351 May 10 j 14:45	18°♄51'07	0.28973 AU	desc. node	353 Nov 02 j 10:29	19°♍51'30	
morning rise	351 May 16 j 20:47	15°♄06'00		evening rise	353 Nov 07 j 00:30	25°♍36'57	
desc. node	351 May 18 j 15:03	14°♄10'21		353 Nov 10 j 12:18	0°♁		
direct	351 Jun 01 j 01:36	10°♄38'42		353 Dec 04 j 10:20	0°♁		
greatest brilliancy	351 Jun 14 j 14:17	13°♄50'42	-4.5m	353 Dec 28 j 10:30	0°♁		
	351 Jul 08 j 09:32	0°♂		354 Jan 21 j 15:08	0°♁		
morning max el	351 Jul 19 j 23:23	10°♂31'40	45°50'34	354 Feb 15 j 04:13	0°♃		
	351 Aug 08 j 02:51	0°♆		asc. node	354 Feb 23 j 13:34	10°♃06'33	
	351 Sep 04 j 00:17	0°♁		354 Mar 12 j 07:42	0°♄		
asc. node	351 Sep 08 j 18:30	5°♁31'53		354 Apr 07 j 12:03	0°♂		
	351 Sep 29 j 08:38	0°♃		354 May 05 j 20:32	0°♆		
	351 Oct 23 j 21:27	0°♄		evening max el	354 May 10 j 09:13	4°♆24'16	45°18'43

	354 Jun 12 j 18:28	0°♁		desc. node	356 Nov 29 j 22:12	6°♁08'54	
greatest brilliancy	354 Jun 14 j 18:44	0°♁55'12	-4.5m				
desc. node	354 Jun 15 j 03:03	1°♁04'04		superior conj	356 Dec 12 j 21:26	22°♁28'09	0°-30'-12
retrograde	354 Jun 27 j 19:59	3°♁54'09		minimum elong	356 Dec 12 j 13:38	22°♁03'37	0°29'52
	354 Jul 12 j 03:16	30°♁		max. Earth dist.	356 Dec 15 j 03:16	25°♁17'26	1.71113 AU
evening set	354 Jul 14 j 03:36	28°♁54'18			356 Dec 18 j 21:10	0°♁	
inferior conj	354 Jul 19 j 05:56	25°♁50'15	-6°-56'-32		357 Jan 11 j 18:57	0°♁	
minimum elong	354 Jul 18 j 20:13	26°♁05'19	6°54'50	evening rise	357 Jan 23 j 09:04	14°♁29'36	
min. Earth dist.	354 Jul 19 j 10:47	25°♁42'43	0.28709 AU		357 Feb 04 j 19:31	0°♁	
morning rise	354 Jul 23 j 12:31	23°♁13'43			357 Mar 01 j 00:30	0°♁	
direct	354 Aug 09 j 19:27	17°♁36'47		asc. node	357 Mar 23 j 01:31	27°♁02'28	
greatest brilliancy	354 Aug 24 j 04:43	21°♁14'40	-4.6m		357 Mar 25 j 11:48	0°♁	
	354 Sep 07 j 02:39	0°♁			357 Apr 19 j 07:38	0°♁	
morning max el	354 Sep 28 j 16:36	19°♁15'14	46°28'33		357 May 14 j 15:13	0°♁	
asc. node	354 Oct 06 j 06:19	27°♁00'13			357 Jun 09 j 17:20	0°♁	
	354 Oct 09 j 02:26	0°♁			357 Jul 07 j 07:36	0°♁	
	354 Nov 04 j 20:24	0°♁		desc. node	357 Jul 12 j 14:54	5°♁26'32	
	354 Nov 30 j 00:42	0°♁		evening max el	357 Jul 21 j 06:00	13°♁57'39	45°56'52
	354 Dec 24 j 14:07	0°♁			357 Aug 08 j 10:55	0°♁	
	355 Jan 17 j 22:05	0°♁		greatest brilliancy	357 Aug 28 j 23:16	12°♁18'30	-4.6m
desc. node	355 Jan 25 j 19:54	9°♁46'20		retrograde	357 Sep 08 j 11:49	14°♁18'58	
	355 Feb 11 j 04:45	0°♁		evening set	357 Sep 25 j 09:26	8°♁54'46	
	355 Mar 07 j 11:54	0°♁		inferior conj	357 Sep 29 j 06:55	6°♁35'24	-7°-25'-27
	355 Mar 31 j 20:15	0°♁		minimum elong	357 Sep 29 j 16:49	6°♁20'21	7°23'45
morning set	355 Apr 04 j 14:01	4°♁36'12		min. Earth dist.	357 Sep 30 j 03:25	6°♁04'15	0.27194 AU
	355 Apr 25 j 05:52	0°♁		morning rise	357 Oct 03 j 23:48	3°♁47'39	
					357 Oct 12 j 06:46	30°♁	
superior conj	355 May 11 j 14:53	20°♁06'45	0°-17'-18	direct	357 Oct 20 j 02:14	28°♁44'33	
minimum elong	355 May 11 j 18:25	20°♁17'35	0°17'08		357 Oct 28 j 03:34	0°♁	
max. Earth dist.	355 May 11 j 15:09	20°♁07'34	1.73612 AU	greatest brilliancy	357 Nov 02 j 20:04	2°♁13'38	-4.7m
asc. node	355 May 18 j 23:07	29°♁07'39		asc. node	357 Nov 02 j 17:57	2°♁11'08	
	355 May 19 j 16:10	0°♁			357 Dec 07 j 15:03	0°♁	
	355 Jun 13 j 02:21	0°♁		morning max el	357 Dec 09 j 22:34	2°♁20'37	46°56'38
evening rise	355 Jun 16 j 17:49	4°♁28'40			358 Jan 04 j 09:58	0°♁	
	355 Jul 07 j 12:08	0°♁			358 Jan 30 j 06:54	0°♁	
	355 Jul 31 j 22:10	0°♁		desc. node	358 Feb 22 j 07:51	27°♁24'41	
	355 Aug 25 j 09:51	0°♁			358 Feb 24 j 11:41	0°♁	
desc. node	355 Sep 07 j 12:47	16°♁00'53			358 Mar 21 j 09:44	0°♁	
	355 Sep 19 j 00:52	0°♁			358 Apr 15 j 04:35	0°♁	
	355 Oct 13 j 21:32	0°♁			358 May 09 j 21:19	0°♁	
	355 Nov 08 j 05:18	0°♁			358 Jun 03 j 11:43	0°♁	
	355 Dec 04 j 16:14	0°♁		morning set	358 Jun 11 j 12:02	9°♁48'17	
evening max el	355 Dec 17 j 02:51	13°♁09'51	47°10'18	asc. node	358 Jun 15 j 11:00	14°♁39'10	
asc. node	355 Dec 29 j 15:46	25°♁21'39			358 Jun 27 j 22:53	0°♁	
	356 Jan 03 j 21:35	0°♁		max. Earth dist.	358 Jul 14 j 11:12	20°♁21'16	1.73106 AU
greatest brilliancy	356 Jan 23 j 05:40	13°♁18'47	-4.6m				
retrograde	356 Feb 06 j 00:04	16°♁49'38		superior conj	358 Jul 17 j 18:52	24°♁27'27	1°06'40
evening set	356 Feb 23 j 23:24	10°♁34'38		minimum elong	358 Jul 17 j 10:20	24°♁01'04	1°06'25
min. Earth dist.	356 Feb 26 j 15:58	8°♁53'33	0.28239 AU		358 Jul 22 j 06:23	0°♁	
inferior conj	356 Feb 27 j 03:27	8°♁35'21	8°34'42		358 Aug 15 j 10:45	0°♁	
minimum elong	356 Feb 27 j 06:03	8°♁31'13	8°34'36	evening rise	358 Aug 23 j 02:21	9°♁30'51	
morning rise	356 Mar 01 j 12:51	6°♁28'08			358 Sep 08 j 13:25	0°♁	
direct	356 Mar 19 j 03:29	0°♁30'15			358 Oct 02 j 15:54	0°♁	
greatest brilliancy	356 Mar 30 j 09:49	2°♁47'54	-4.5m	desc. node	358 Oct 05 j 00:36	2°♁56'19	
desc. node	356 Apr 19 j 05:18	14°♁55'59			358 Oct 26 j 19:23	0°♁	
	356 May 06 j 09:19	0°♁			358 Nov 20 j 01:16	0°♁	
morning max el	356 May 07 j 02:16	0°♁40'30	45°51'25		358 Dec 14 j 12:29	0°♁	
	356 Jun 04 j 12:45	0°♁			359 Jan 08 j 11:46	0°♁	
	356 Jul 01 j 07:35	0°♁		asc. node	359 Jan 26 j 03:41	20°♁31'26	
	356 Jul 26 j 23:32	0°♁			359 Feb 03 j 13:59	0°♁	
asc. node	356 Aug 10 j 08:40	17°♁12'59		evening max el	359 Feb 26 j 10:57	24°♁07'16	46°00'01
	356 Aug 20 j 21:44	0°♁			359 Mar 04 j 13:46	0°♁	
	356 Sep 14 j 07:12	0°♁		greatest brilliancy	359 Apr 01 j 21:44	21°♁13'10	-4.5m
	356 Oct 08 j 08:24	0°♁		retrograde	359 Apr 16 j 17:22	25°♁04'07	
	356 Nov 01 j 05:21	0°♁		evening set	359 May 02 j 03:04	20°♁26'41	
morning set	356 Nov 01 j 11:34	0°♁19'36		inferior conj	359 May 08 j 03:10	16°♁48'23	2°13'17
	356 Nov 25 j 01:01	0°♁		minimum elong	359 May 08 j 07:53	16°♁40'58	2°11'57

min. Earth dist.	359 May 08 j 07:02	16°♄42'19	0.28969 AU	desc. node	361 Nov 01 j 12:29	19°♍22'21	
morning rise	359 May 14 j 12:55	12°♄57'14		evening rise	361 Nov 04 j 10:52	23°♍03'17	
desc. node	359 May 17 j 17:06	11°♄20'49			361 Nov 09 j 23:38	0°♄	
direct	359 May 29 j 18:30	8°♄29'50			361 Dec 03 j 21:49	0°♄	
greatest brilliancy	359 Jun 12 j 04:11	11°♄39'00	-4.5m		361 Dec 27 j 22:08	0°♄	
	359 Jul 08 j 13:27	0°♄			362 Jan 21 j 03:03	0°♄	
morning max el	359 Jul 17 j 15:20	8°♄21'27	45°49'40		362 Feb 14 j 16:35	0°♄	
	359 Aug 07 j 19:54	0°♄		asc. node	362 Feb 22 j 15:38	9°♄35'01	
	359 Sep 03 j 14:17	0°♄			362 Mar 11 j 20:59	0°♄	
asc. node	359 Sep 07 j 20:37	4°♄58'00			362 Apr 07 j 03:24	0°♄	
	359 Sep 28 j 21:20	0°♄			362 May 05 j 17:46	0°♄	
	359 Oct 23 j 09:30	0°♄		evening max el	362 May 07 j 23:35	2°♄09'51	45°18'49
	359 Nov 16 j 12:02	0°♄		greatest brilliancy	362 Jun 12 j 07:00	28°♄40'27	-4.5m
	359 Dec 10 j 10:49	0°♄		desc. node	362 Jun 14 j 05:10	29°♄27'39	
desc. node	359 Dec 28 j 10:06	22°♄31'49			362 Jun 15 j 17:04	0°♄	
	360 Jan 03 j 09:08	0°♄		retrograde	362 Jun 25 j 11:22	1°♄43'16	
morning set	360 Jan 18 j 16:16	19°♄09'04			362 Jul 04 j 20:32	30°♄	
	360 Jan 27 j 08:35	0°♄		evening set	362 Jul 11 j 16:07	26°♄47'05	
	360 Feb 20 j 10:04	0°♄		inferior conj	362 Jul 16 j 21:42	23°♄38'38	-6°-43'-45
				minimum elong	362 Jul 16 j 11:49	23°♄53'58	6°41'57
superior conj	360 Feb 28 j 03:49	9°♄37'10	-1°-24'-37	min. Earth dist.	362 Jul 17 j 02:20	23°♄31'27	0.28741 AU
minimum elong	360 Feb 28 j 06:52	9°♄46'37	1°24'38	morning rise	362 Jul 21 j 07:09	20°♄57'56	
max. Earth dist.	360 Mar 03 j 01:10	14°♄26'56	1.72456 AU	direct	362 Aug 07 j 11:00	15°♄24'27	
	360 Mar 15 j 14:22	0°♄		greatest brilliancy	362 Aug 21 j 21:58	19°♄03'37	-4.5m
evening rise	360 Apr 06 j 20:08	27°♄26'28			362 Sep 07 j 15:09	0°♄	
	360 Apr 08 j 22:03	0°♄		morning max el	362 Sep 26 j 07:14	16°♄56'37	46°27'05
asc. node	360 Apr 19 j 13:20	13°♄03'43		asc. node	362 Oct 05 j 08:16	26°♄13'38	
	360 May 03 j 09:22	0°♄			362 Oct 08 j 21:19	0°♄	
	360 May 28 j 00:24	0°♄			362 Nov 04 j 11:28	0°♄	
	360 Jun 21 j 20:00	0°♄			362 Nov 29 j 14:10	0°♄	
	360 Jul 16 j 22:24	0°♄			362 Dec 24 j 02:43	0°♄	
desc. node	360 Aug 09 j 02:49	27°♄14'00			363 Jan 17 j 10:09	0°♄	
	360 Aug 11 j 12:05	0°♄		desc. node	363 Jan 24 j 22:00	9°♄15'53	
	360 Sep 06 j 22:25	0°♄			363 Feb 10 j 16:25	0°♄	
evening max el	360 Oct 02 j 19:12	27°♄24'23	47°08'56		363 Mar 06 j 23:16	0°♄	
	360 Oct 05 j 10:06	0°♄			363 Mar 31 j 07:24	0°♄	
greatest brilliancy	360 Nov 10 j 13:02	27°♄38'50	-4.7m	morning set	363 Apr 02 j 06:18	2°♄24'21	
	360 Nov 18 j 19:49	0°♄			363 Apr 24 j 16:51	0°♄	
retrograde	360 Nov 22 j 08:16	0°♄14'46					
	360 Nov 25 j 19:21	30°♄		superior conj	363 May 09 j 08:57	18°♄01'25	0°-20'-23
asc. node	360 Nov 30 j 05:59	28°♄57'25		minimum elong	363 May 09 j 13:06	18°♄14'08	0°20'12
evening set	360 Dec 06 j 18:11	26°♄05'19		max. Earth dist.	363 May 09 j 11:30	18°♄09'15	1.73597 AU
min. Earth dist.	360 Dec 12 j 05:38	22°♄52'16	0.26487 AU	asc. node	363 May 18 j 01:16	28°♄40'50	
inferior conj	360 Dec 12 j 21:11	22°♄28'22	3°12'21		363 May 19 j 03:03	0°♄	
minimum elong	360 Dec 12 j 14:20	22°♄38'53	3°10'17		363 Jun 12 j 13:17	0°♄	
morning rise	360 Dec 18 j 11:00	19°♄10'54		evening rise	363 Jun 14 j 13:12	2°♄27'11	
direct	361 Jan 02 j 05:25	14°♄51'58			363 Jul 06 j 23:15	0°♄	
greatest brilliancy	361 Jan 13 j 07:14	17°♄10'10	-4.6m		363 Jul 31 j 09:37	0°♄	
	361 Feb 02 j 13:34	0°♄			363 Aug 24 j 21:49	0°♄	
morning max el	361 Feb 21 j 03:53	16°♄57'13	46°32'05	desc. node	363 Sep 06 j 14:44	15°♄29'26	
	361 Mar 05 j 21:37	0°♄			363 Sep 18 j 13:31	0°♄	
desc. node	361 Mar 21 j 19:39	17°♄14'29			363 Oct 13 j 11:10	0°♄	
	361 Apr 02 j 05:10	0°♄			363 Nov 07 j 20:37	0°♄	
	361 Apr 28 j 07:04	0°♄			363 Dec 04 j 11:17	0°♄	
	361 May 23 j 18:50	0°♄		evening max el	363 Dec 14 j 17:10	10°♄47'03	47°12'02
	361 Jun 17 j 21:12	0°♄		asc. node	363 Dec 28 j 17:54	24°♄20'36	
	361 Jul 12 j 15:17	0°♄			364 Jan 04 j 07:53	0°♄	
asc. node	361 Jul 12 j 22:54	0°♄23'12		greatest brilliancy	364 Jan 20 j 21:25	11°♄00'10	-4.6m
	361 Aug 06 j 01:33	0°♄		retrograde	364 Feb 03 j 15:53	14°♄31'29	
morning set	361 Aug 18 j 16:40	15°♄39'00		evening set	364 Feb 21 j 15:01	8°♄15'47	
	361 Aug 30 j 05:18	0°♄		min. Earth dist.	364 Feb 24 j 05:59	6°♄37'22	0.28189 AU
max. Earth dist.	361 Sep 22 j 12:41	29°♄09'36	1.71592 AU	inferior conj	364 Feb 24 j 18:35	6°♄17'27	8°37'33
	361 Sep 23 j 04:46	0°♄		minimum elong	364 Feb 24 j 20:24	6°♄14'35	8°37'31
				morning rise	364 Feb 28 j 01:58	4°♄13'38	
superior conj	361 Sep 25 j 07:15	2°♄38'20	1°13'23		364 Mar 07 j 09:02	30°♄	
minimum elong	361 Sep 25 j 16:09	3°♄06'14	1°13'09	direct	364 Mar 16 j 17:46	28°♄13'03	
	361 Oct 17 j 02:19	0°♄			364 Mar 26 j 14:10	0°♄	

greatest brilliancy	364 Mar 27 j 23:22	0°♄30'24	-4.5m	desc. node	366 Oct 04 j 02:41	2°♄27'18	
desc. node	364 Apr 18 j 07:19	13°♄50'31			366 Oct 26 j 07:08	0°♄	
morning max el	364 May 04 j 17:59	28°♄28'00	45°52'28		366 Nov 19 j 13:28	0°♄	
	364 May 06 j 08:10	0°♄			366 Dec 14 j 01:20	0°♄	
	364 Jun 04 j 04:43	0°♄			367 Jan 08 j 01:47	0°♄	
	364 Jun 30 j 21:03	0°♄		asc. node	367 Jan 25 j 05:42	19°♄53'08	
	364 Jul 26 j 11:50	0°♄			367 Feb 03 j 06:34	0°♄	
asc. node	364 Aug 09 j 10:45	16°♄43'19		evening max el	367 Feb 24 j 02:43	21°♄53'52	46°02'27
	364 Aug 20 j 09:26	0°♄			367 Mar 04 j 14:57	0°♄	
	364 Sep 13 j 18:37	0°♄		greatest brilliancy	367 Mar 30 j 15:54	19°♄05'55	-4.5m
	364 Oct 07 j 19:43	0°♄		retrograde	367 Apr 14 j 09:47	22°♄54'58	
morning set	364 Oct 29 j 23:19	27°♄50'00		evening set	367 Apr 29 j 21:26	18°♄15'23	
	364 Oct 31 j 16:37	0°♄		inferior conj	367 May 05 j 19:42	14°♄39'15	2°32'10
	364 Nov 24 j 12:16	0°♄		minimum elong	367 May 06 j 01:01	14°♄30'52	2°30'41
desc. node	364 Nov 29 j 00:23	5°♄40'18		min. Earth dist.	367 May 05 j 23:34	14°♄33'09	0.28959 AU
				morning rise	367 May 12 j 04:51	10°♄48'33	
superior conj	364 Dec 10 j 06:34	19°♄50'29	0°-26'-23	desc. node	367 May 16 j 19:16	8°♄34'44	
minimum elong	364 Dec 09 j 23:39	19°♄28'44	0°26'04	direct	367 May 27 j 11:01	6°♄21'03	
max. Earth dist.	364 Dec 12 j 10:30	22°♄33'49	1.71094 AU	greatest brilliancy	367 Jun 09 j 17:52	9°♄27'00	-4.5m
	364 Dec 18 j 08:26	0°♄			367 Jul 08 j 15:41	0°♄	
	365 Jan 11 j 06:12	0°♄		morning max el	367 Jul 15 j 06:38	6°♄09'52	45°48'57
evening rise	365 Jan 20 j 19:44	11°♄57'54			367 Aug 07 j 12:30	0°♄	
	365 Feb 04 j 06:48	0°♄			367 Sep 03 j 04:02	0°♄	
	365 Feb 28 j 11:51	0°♄		asc. node	367 Sep 06 j 22:33	4°♄24'14	
asc. node	365 Mar 22 j 03:31	26°♄33'21			367 Sep 28 j 09:49	0°♄	
	365 Mar 24 j 23:23	0°♄			367 Oct 22 j 21:20	0°♄	
	365 Apr 18 j 19:41	0°♄			367 Nov 15 j 23:33	0°♄	
	365 May 14 j 04:13	0°♄			367 Dec 09 j 22:09	0°♄	
	365 Jun 09 j 08:10	0°♄		desc. node	367 Dec 27 j 12:12	22°♄03'12	
	365 Jul 07 j 02:52	0°♄			368 Jan 02 j 20:21	0°♄	
desc. node	365 Jul 11 j 17:02	4°♄39'54		morning set	368 Jan 16 j 02:28	16°♄36'01	
evening max el	365 Jul 18 j 20:35	11°♄41'13	45°54'33		368 Jan 26 j 19:41	0°♄	
	365 Aug 09 j 02:07	0°♄			368 Feb 19 j 21:03	0°♄	
greatest brilliancy	365 Aug 26 j 10:19	9°♄54'35	-4.6m				
retrograde	365 Sep 06 j 00:50	11°♄56'06		superior conj	368 Feb 25 j 17:01	7°♄15'01	-1°-25'-5
evening set	365 Sep 23 j 01:30	6°♄27'15		minimum elong	368 Feb 25 j 19:11	7°♄21'44	1°25'05
inferior conj	365 Sep 26 j 20:02	4°♄11'47	-7°-37'-15	max. Earth dist.	368 Feb 29 j 17:31	12°♄14'40	1.72398 AU
minimum elong	365 Sep 27 j 05:33	3°♄57'18	7°35'45		368 Mar 15 j 01:17	0°♄	
min. Earth dist.	365 Sep 27 j 16:13	3°♄41'04	0.27261 AU	evening rise	368 Apr 04 j 11:44	25°♄13'11	
morning rise	365 Oct 01 j 09:16	1°♄29'04			368 Apr 08 j 08:58	0°♄	
	365 Oct 04 j 03:07	30°♄		asc. node	368 Apr 18 j 15:28	12°♄36'45	
direct	365 Oct 17 j 16:46	26°♄20'08			368 May 02 j 20:23	0°♄	
greatest brilliancy	365 Oct 31 j 10:28	29°♄49'19	-4.7m		368 May 27 j 11:42	0°♄	
	365 Oct 31 j 19:21	0°♄			368 Jun 21 j 07:48	0°♄	
asc. node	365 Nov 01 j 20:08	0°♄30'59			368 Jul 16 j 11:04	0°♄	
morning max el	365 Dec 07 j 13:09	29°♄57'07	46°56'21	desc. node	368 Aug 08 j 04:47	26°♄39'11	
	365 Dec 07 j 14:17	0°♄			368 Aug 11 j 02:14	0°♄	
	366 Jan 04 j 02:43	0°♄			368 Sep 06 j 15:28	0°♄	
	366 Jan 29 j 21:10	0°♄		evening max el	368 Sep 30 j 08:01	24°♄58'29	47°07'06
desc. node	366 Feb 21 j 09:51	26°♄51'31			368 Oct 05 j 11:09	0°♄	
	366 Feb 24 j 00:39	0°♄		greatest brilliancy	368 Nov 08 j 04:37	25°♄13'24	-4.7m
	366 Mar 20 j 21:52	0°♄		retrograde	368 Nov 19 j 20:19	27°♄45'57	
	366 Apr 14 j 16:09	0°♄		asc. node	368 Nov 29 j 08:02	25°♄55'21	
	366 May 09 j 08:31	0°♄		evening set	368 Dec 04 j 05:42	23°♄38'30	
	366 Jun 02 j 22:40	0°♄		min. Earth dist.	368 Dec 09 j 19:49	20°♄21'59	0.26457 AU
morning set	366 Jun 09 j 06:30	7°♄44'26		inferior conj	368 Dec 10 j 09:42	20°♄00'40	2°49'39
asc. node	366 Jun 14 j 13:08	14°♄12'21		minimum elong	368 Dec 10 j 03:34	20°♄10'05	2°47'45
	366 Jun 27 j 09:44	0°♄		morning rise	368 Dec 16 j 01:49	16°♄39'57	
max. Earth dist.	366 Jul 12 j 06:16	18°♄18'32	1.73143 AU	direct	368 Dec 30 j 17:11	12°♄24'31	
				greatest brilliancy	369 Jan 10 j 22:13	14°♄45'26	-4.6m
superior conj	366 Jul 15 j 13:15	22°♄22'26	1°04'42		369 Feb 03 j 00:17	0°♄	
minimum elong	366 Jul 15 j 04:37	21°♄55'46	1°04'25	morning max el	369 Feb 18 j 16:04	14°♄31'09	46°33'29
	366 Jul 21 j 17:14	0°♄			369 Mar 05 j 16:32	0°♄	
	366 Aug 14 j 21:41	0°♄		desc. node	369 Mar 20 j 21:41	16°♄35'10	
evening rise	366 Aug 20 j 18:59	7°♄19'10			369 Apr 01 j 20:01	0°♄	
	366 Sep 08 j 00:31	0°♄			369 Apr 27 j 20:05	0°♄	
	366 Oct 02 j 03:16	0°♄			369 May 23 j 06:50	0°♄	

	369 Jun 17 j 08:34	0°♁		greatest brilliancy	372 Jan 18 j 13:16	8°♁43'07	-4.6m
	369 Jul 12 j 02:17	0°♁		retrograde	372 Feb 01 j 08:08	12°♁14'39	
asc. node	369 Jul 12 j 00:53	29°♁55'42		evening set	372 Feb 19 j 06:20	5°♁58'52	
	369 Aug 05 j 12:23	0°♁		min. Earth dist.	372 Feb 21 j 19:45	4°♁23'00	0.28135 AU
morning set	369 Aug 16 j 08:50	13°♁26'36		inferior conj	372 Feb 22 j 09:46	4°♁00'53	8°39'37
	369 Aug 29 j 16:05	0°♁		minimum elong	372 Feb 22 j 10:47	3°♁59'17	8°39'36
max. Earth dist.	369 Sep 20 j 01:11	26°♁44'19	1.71640 AU	morning rise	372 Feb 25 j 15:26	1°♁59'56	
	369 Sep 22 j 15:36	0°♁			372 Feb 29 j 02:46	30°♁	
				direct	372 Mar 14 j 08:32	25°♁57'26	
superior conj	369 Sep 22 j 21:23	0°♁18'08	1°15'05	greatest brilliancy	372 Mar 25 j 11:49	28°♁13'12	-4.5m
minimum elong	369 Sep 23 j 05:48	0°♁44'29	1°14'55		372 Mar 29 j 12:50	0°♁	
	369 Oct 16 j 13:14	0°♁		desc. node	372 Apr 17 j 09:31	12°♁48'29	
desc. node	369 Oct 31 j 14:40	18°♁54'46		morning max el	372 May 02 j 10:03	26°♁17'37	45°53'18
evening rise	369 Nov 01 j 21:46	20°♁32'24			372 May 06 j 05:36	0°♁	
	369 Nov 09 j 10:39	0°♁			372 Jun 03 j 20:02	0°♁	
	369 Dec 03 j 08:56	0°♁			372 Jun 30 j 10:07	0°♁	
	369 Dec 27 j 09:25	0°♁			372 Jul 25 j 23:47	0°♁	
	370 Jan 20 j 14:37	0°♁		asc. node	372 Aug 08 j 12:45	16°♁14'18	
	370 Feb 14 j 04:41	0°♁			372 Aug 19 j 20:49	0°♁	
asc. node	370 Feb 21 j 17:35	9°♁03'57			372 Sep 13 j 05:43	0°♁	
	370 Mar 11 j 10:06	0°♁			372 Oct 07 j 06:41	0°♁	
	370 Apr 06 j 18:45	0°♁		morning set	372 Oct 27 j 11:10	25°♁21'55	
evening max el	370 May 05 j 14:35	29°♁57'34	45°19'05		372 Oct 31 j 03:32	0°♁	
	370 May 05 j 15:36	0°♁			372 Nov 23 j 23:11	0°♁	
greatest brilliancy	370 Jun 09 j 18:37	26°♁25'28	-4.5m	desc. node	372 Nov 28 j 02:24	5°♁12'15	
desc. node	370 Jun 13 j 07:13	27°♁48'09					
retrograde	370 Jun 23 j 03:08	29°♁32'55		superior conj	372 Dec 07 j 15:47	17°♁14'02	0°-22'-30
evening set	370 Jul 09 j 04:42	24°♁40'11		minimum elong	372 Dec 07 j 09:49	16°♁55'17	0°22'13
inferior conj	370 Jul 14 j 13:22	21°♁27'32	-6°-30'-30	max. Earth dist.	372 Dec 09 j 18:43	19°♁54'16	1.71077 AU
minimum elong	370 Jul 14 j 03:22	21°♁43'01	6°28'34		372 Dec 17 j 19:21	0°♁	
min. Earth dist.	370 Jul 14 j 17:31	21°♁21'07	0.28768 AU		373 Jan 10 j 17:08	0°♁	
morning rise	370 Jul 19 j 01:42	18°♁42'49		evening rise	373 Jan 18 j 06:25	9°♁27'11	
direct	370 Aug 05 j 02:46	13°♁12'46			373 Feb 03 j 17:43	0°♁	
greatest brilliancy	370 Aug 19 j 15:04	16°♁53'27	-4.5m		373 Feb 27 j 22:51	0°♁	
	370 Sep 08 j 00:00	0°♁		asc. node	373 Mar 21 j 05:41	26°♁05'54	
morning max el	370 Sep 23 j 22:46	14°♁41'31	46°25'37		373 Mar 24 j 10:36	0°♁	
asc. node	370 Oct 04 j 10:27	25°♁29'23			373 Apr 18 j 07:26	0°♁	
	370 Oct 08 j 15:21	0°♁			373 May 13 j 16:58	0°♁	
	370 Nov 04 j 01:58	0°♁			373 Jun 08 j 22:55	0°♁	
	370 Nov 29 j 03:09	0°♁			373 Jul 06 j 22:28	0°♁	
	370 Dec 23 j 14:53	0°♁		desc. node	373 Jul 10 j 19:00	3°♁52'40	
desc. node	371 Jan 16 j 21:45	0°♁		evening max el	373 Jul 16 j 11:02	9°♁25'01	45°52'07
	371 Jan 24 j 00:00	8°♁46'31			373 Aug 09 j 22:14	0°♁	
	371 Feb 10 j 03:39	0°♁		greatest brilliancy	373 Aug 23 j 22:27	7°♁32'25	-4.6m
	371 Mar 06 j 10:14	0°♁		retrograde	373 Sep 03 j 13:20	9°♁33'43	
morning set	371 Mar 30 j 22:22	0°♁12'55		evening set	373 Sep 20 j 17:28	4°♁00'39	
	371 Mar 30 j 18:10	0°♁		inferior conj	373 Sep 24 j 09:09	1°♁48'59	-7°-48'-17
	371 Apr 24 j 03:29	0°♁		minimum elong	373 Sep 24 j 18:11	1°♁35'12	7°46'57
				min. Earth dist.	373 Sep 25 j 05:16	1°♁18'17	0.27324 AU
superior conj	371 May 07 j 02:39	15°♁55'49	0°-23'-28		373 Sep 27 j 09:12	30°♁	
minimum elong	371 May 07 j 07:24	16°♁10'23	0°23'16	morning rise	373 Sep 28 j 18:36	29°♁11'17	
max. Earth dist.	371 May 07 j 08:14	16°♁12'56	1.73586 AU	direct	373 Oct 15 j 06:54	23°♁56'35	
asc. node	371 May 17 j 03:22	28°♁14'45		greatest brilliancy	373 Oct 29 j 00:24	27°♁25'09	-4.7m
	371 May 18 j 13:39	0°♁		asc. node	373 Oct 31 j 22:13	28°♁55'00	
	371 Jun 11 j 23:56	0°♁			373 Nov 02 j 19:27	0°♁	
evening rise	371 Jun 12 j 08:13	0°♁25'26		morning max el	373 Dec 05 j 02:39	27°♁31'41	46°56'01
	371 Jul 06 j 10:05	0°♁			373 Dec 07 j 12:16	0°♁	
	371 Jul 30 j 20:48	0°♁			374 Jan 03 j 18:51	0°♁	
	371 Aug 24 j 09:28	0°♁			374 Jan 29 j 11:01	0°♁	
desc. node	371 Sep 05 j 16:48	14°♁59'18		desc. node	374 Feb 20 j 11:53	26°♁19'27	
	371 Sep 18 j 01:51	0°♁			374 Feb 23 j 13:15	0°♁	
	371 Oct 13 j 00:32	0°♁			374 Mar 20 j 09:40	0°♁	
	371 Nov 07 j 11:45	0°♁			374 Apr 14 j 03:24	0°♁	
	371 Dec 04 j 06:24	0°♁			374 May 08 j 19:24	0°♁	
evening max el	371 Dec 12 j 08:40	8°♁28'29	47°13'48		374 Jun 02 j 09:21	0°♁	
asc. node	371 Dec 27 j 19:57	23°♁19'11		morning set	374 Jun 07 j 01:02	5°♁41'40	
	372 Jan 04 j 20:56	0°♁		asc. node	374 Jun 13 j 15:06	13°♁45'49	

	374 Jun 26 j 20:21	0°☿		morning rise	376 Dec 13 j 16:14	14°♁07'48	
max. Earth dist.	374 Jul 10 j 00:24	16°♁13'37	1.73187 AU	direct	376 Dec 28 j 04:33	9°♁55'16	
				greatest brilliancy	377 Jan 08 j 13:17	12°♁19'39	-4.7m
superior conj	374 Jul 13 j 07:38	20°♁18'11	1°02'38		377 Feb 03 j 08:28	0°♁	
minimum elong	374 Jul 12 j 22:57	19°♁51'21	1°02'20	morning max el	377 Feb 16 j 04:58	12°♁06'12	46°35'05
	374 Jul 21 j 03:53	0°♁			377 Mar 05 j 11:05	0°♁	
	374 Aug 14 j 08:29	0°♁		desc. node	377 Mar 19 j 23:54	15°♁56'29	
evening rise	374 Aug 18 j 11:33	5°♁07'46			377 Apr 01 j 10:45	0°♁	
	374 Sep 07 j 11:31	0°♁			377 Apr 27 j 09:05	0°♁	
	374 Oct 01 j 14:33	0°♁			377 May 22 j 18:51	0°♁	
desc. node	374 Oct 03 j 04:49	1°♁58'53			377 Jun 16 j 20:00	0°♁	
	374 Oct 25 j 18:45	0°♁		asc. node	377 Jul 11 j 02:59	29°♁28'16	
	374 Nov 19 j 01:32	0°♁			377 Jul 11 j 13:22	0°♁	
	374 Dec 13 j 14:04	0°♁			377 Aug 04 j 23:17	0°♁	
	375 Jan 07 j 15:43	0°♁		morning set	377 Aug 14 j 01:29	11°♁15'29	
asc. node	375 Jan 24 j 07:43	19°♁15'07			377 Aug 29 j 02:58	0°♁	
	375 Feb 02 j 23:14	0°♁		max. Earth dist.	377 Sep 17 j 15:46	24°♁25'19	1.71692 AU
evening max el	375 Feb 21 j 17:42	19°♁38'55	46°04'56				
	375 Mar 04 j 17:15	0°♁		superior conj	377 Sep 20 j 11:50	27°♁58'35	1°16'40
greatest brilliancy	375 Mar 28 j 09:42	16°♁58'40	-4.5m	minimum elong	377 Sep 20 j 19:42	28°♁23'13	1°16'30
retrograde	375 Apr 12 j 02:03	20°♁46'41			377 Sep 22 j 02:35	0°♁	
evening set	375 Apr 27 j 15:58	16°♁04'36			377 Oct 16 j 00:21	0°♁	
inferior conj	375 May 03 j 12:21	12°♁31'00	2°50'51	evening rise	377 Oct 30 j 08:43	18°♁00'58	
minimum elong	375 May 03 j 18:14	12°♁21'41	2°49'14	desc. node	377 Oct 30 j 16:41	18°♁26'01	
min. Earth dist.	375 May 03 j 16:30	12°♁24'26	0.28949 AU		377 Nov 08 j 21:54	0°♁	
morning rise	375 May 09 j 20:41	8°♁40'55			377 Dec 02 j 20:20	0°♁	
desc. node	375 May 15 j 21:15	5°♁53'42			377 Dec 26 j 21:01	0°♁	
direct	375 May 25 j 03:01	4°♁13'00			378 Jan 20 j 02:29	0°♁	
greatest brilliancy	375 Jun 07 j 08:04	7°♁16'20	-4.5m		378 Feb 13 j 17:05	0°♁	
	375 Jul 08 j 16:18	0°♁		asc. node	378 Feb 20 j 19:48	8°♁32'47	
morning max el	375 Jul 12 j 21:32	3°♁57'52	45°48'13		378 Mar 10 j 23:32	0°♁	
	375 Aug 07 j 04:39	0°♁			378 Apr 06 j 10:33	0°♁	
	375 Sep 02 j 17:34	0°♁		evening max el	378 May 03 j 06:36	27°♁47'20	45°19'29
asc. node	375 Sep 06 j 00:44	3°♁51'33			378 May 05 j 14:32	0°♁	
	375 Sep 27 j 22:12	0°♁		greatest brilliancy	378 Jun 07 j 06:51	24°♁11'12	-4.5m
	375 Oct 22 j 09:10	0°♁		desc. node	378 Jun 12 j 09:16	26°♁04'57	
	375 Nov 15 j 11:04	0°♁		retrograde	378 Jun 20 j 19:22	27°♁22'38	
	375 Dec 09 j 09:28	0°♁		evening set	378 Jul 06 j 17:40	22°♁33'19	
desc. node	375 Dec 26 j 14:11	21°♁34'21		inferior conj	378 Jul 12 j 05:13	19°♁16'32	-6°-16'-41
	376 Jan 02 j 07:30	0°♁		minimum elong	378 Jul 11 j 19:12	19°♁32'02	6°14'40
morning set	376 Jan 13 j 12:24	14°♁02'15		min. Earth dist.	378 Jul 12 j 08:40	19°♁11'11	0.28791 AU
	376 Jan 26 j 06:42	0°♁		morning rise	378 Jul 16 j 20:27	16°♁27'47	
	376 Feb 19 j 07:58	0°♁		direct	378 Aug 02 j 19:13	11°♁01'23	
				greatest brilliancy	378 Aug 17 j 07:23	14°♁42'20	-4.5m
superior conj	376 Feb 23 j 06:08	4°♁52'45	-1°-25'-23		378 Sep 08 j 06:29	0°♁	
minimum elong	376 Feb 23 j 07:22	4°♁56'36	1°25'24	morning max el	378 Sep 21 j 15:02	12°♁28'10	46°24'08
max. Earth dist.	376 Feb 27 j 07:54	9°♁56'29	1.72339 AU	asc. node	378 Oct 03 j 12:31	24°♁45'00	
	376 Mar 14 j 12:08	0°♁			378 Oct 08 j 09:08	0°♁	
evening rise	376 Apr 02 j 03:18	22°♁59'53			378 Nov 03 j 16:31	0°♁	
	376 Apr 07 j 19:51	0°♁			378 Nov 28 j 16:20	0°♁	
asc. node	376 Apr 17 j 17:34	12°♁09'47			378 Dec 23 j 03:19	0°♁	
	376 May 02 j 07:23	0°♁			379 Jan 16 j 09:43	0°♁	
	376 May 26 j 22:58	0°♁		desc. node	379 Jan 23 j 02:07	8°♁16'25	
	376 Jun 20 j 19:36	0°♁			379 Feb 09 j 15:16	0°♁	
	376 Jul 15 j 23:47	0°♁			379 Mar 05 j 21:33	0°♁	
desc. node	376 Aug 07 j 06:53	26°♁04'30		morning set	379 Mar 28 j 14:06	27°♁59'22	
	376 Aug 10 j 16:34	0°♁			379 Mar 30 j 05:16	0°♁	
	376 Sep 06 j 09:01	0°♁			379 Apr 23 j 14:26	0°♁	
evening max el	376 Sep 27 j 20:19	22°♁30'49	47°05'00				
	376 Oct 05 j 13:52	0°♁		superior conj	379 May 04 j 20:12	13°♁48'48	0°-26'-33
greatest brilliancy	376 Nov 05 j 19:29	22°♁45'45	-4.7m	minimum elong	379 May 05 j 01:32	14°♁05'10	0°26'18
retrograde	376 Nov 17 j 08:19	25°♁15'43		max. Earth dist.	379 May 05 j 06:53	14°♁21'35	1.73570 AU
asc. node	376 Nov 28 j 10:03	22°♁46'06		asc. node	379 May 16 j 05:20	27°♁47'23	
evening set	376 Dec 01 j 17:05	21°♁09'35			379 May 18 j 00:33	0°♁	
min. Earth dist.	376 Dec 07 j 09:45	17°♁50'00	0.26430 AU	evening rise	379 Jun 10 j 03:22	28°♁23'14	
inferior conj	376 Dec 07 j 21:54	17°♁31'23	2°26'12		379 Jun 11 j 10:54	0°♁	
minimum elong	376 Dec 07 j 16:32	17°♁39'36	2°24'31		379 Jul 05 j 21:15	0°♁	



	379 Jul 30 j 08:17	0°♎							382 Jan 03 j 10:58	0°♏
	379 Aug 23 j 21:26	0°♎							382 Jan 29 j 00:58	0°♏
desc. node	379 Sep 04 j 19:00	14°♎28'41						desc. node	382 Feb 19 j 14:04	25°♏47'12
	379 Sep 17 j 14:30	0°♎							382 Feb 23 j 02:03	0°♏
	379 Oct 12 j 14:15	0°♏							382 Mar 19 j 21:45	0°♏
	379 Nov 07 j 03:23	0°♏							382 Apr 13 j 14:59	0°♏
	379 Dec 04 j 02:30	0°♏							382 May 08 j 06:39	0°♏
evening max el	379 Dec 10 j 00:52	6°♏10'27	47°15'07						382 Jun 01 j 20:23	0°♏
asc. node	379 Dec 26 j 21:59	22°♏14'50						morning set	382 Jun 04 j 19:24	3°♏37'19
	380 Jan 05 j 15:21	0°♏						asc. node	382 Jun 12 j 17:14	13°♏18'45
greatest brilliancy	380 Jan 16 j 05:46	6°♏25'00	-4.6m						382 Jun 26 j 07:18	0°♏
retrograde	380 Jan 30 j 00:04	9°♏55'17						max. Earth dist.	382 Jul 07 j 19:00	14°♏09'15 1.73227 AU
evening set	380 Feb 16 j 21:03	3°♏40'20								
min. Earth dist.	380 Feb 19 j 09:20	2°♏06'15	0.28079 AU					superior conj	382 Jul 11 j 02:01	18°♏13'02 1°00'28
inferior conj	380 Feb 20 j 00:42	1°♏42'00	8°40'46					minimum elong	382 Jul 10 j 17:18	17°♏46'09 1°00'11
minimum elong	380 Feb 20 j 00:55	1°♏41'38	8°40'46						382 Jul 20 j 14:50	0°♏
	380 Feb 22 j 18:02	30°♏							382 Aug 13 j 19:32	0°♏
morning rise	380 Feb 23 j 05:01	29°♏43'14						evening rise	382 Aug 16 j 04:22	2°♏56'26
direct	380 Mar 11 j 23:24	23°♏39'41							382 Sep 06 j 22:48	0°♏
greatest brilliancy	380 Mar 22 j 23:26	25°♏52'58	-4.5m						382 Oct 01 j 02:08	0°♏
	380 Mar 31 j 08:17	0°♏						desc. node	382 Oct 02 j 06:48	1°♏29'02
desc. node	380 Apr 16 j 11:30	11°♏45'55							382 Oct 25 j 06:41	0°♏
morning max el	380 Apr 30 j 01:38	24°♏04'36	45°54'15						382 Nov 18 j 13:54	0°♏
	380 May 06 j 02:50	0°♏							382 Dec 13 j 03:05	0°♏
	380 Jun 03 j 11:33	0°♏							383 Jan 07 j 05:59	0°♏
	380 Jun 29 j 23:25	0°♏						asc. node	383 Jan 23 j 09:54	18°♏36'37
	380 Jul 25 j 12:01	0°♏							383 Feb 02 j 16:28	0°♏
asc. node	380 Aug 07 j 14:53	15°♏44'49						evening max el	383 Feb 19 j 08:01	17°♏21'36 46°07'20
	380 Aug 19 j 08:30	0°♏							383 Mar 04 j 21:29	0°♏
	380 Sep 12 j 17:07	0°♏						greatest brilliancy	383 Mar 26 j 02:19	14°♏49'01 -4.5m
	380 Oct 06 j 17:57	0°♏						retrograde	383 Apr 09 j 18:20	18°♏37'42
morning set	380 Oct 24 j 23:39	22°♏54'58						evening set	383 Apr 25 j 10:34	13°♏52'36
	380 Oct 30 j 14:45	0°♏						inferior conj	383 May 01 j 05:01	10°♏21'54 3°09'18
	380 Nov 23 j 10:23	0°♏						minimum elong	383 May 01 j 11:27	10°♏11'43 3°07'32
desc. node	380 Nov 27 j 04:27	4°♏43'29						min. Earth dist.	383 May 01 j 09:36	10°♏14'39 0.28943 AU
								morning rise	383 May 07 j 12:25	6°♏32'47
superior conj	380 Dec 05 j 01:30	14°♏38'24	0°-18'-36					desc. node	383 May 14 j 23:19	3°♏16'01
minimum elong	380 Dec 04 j 20:32	14°♏22'44	0°18'24					direct	383 May 22 j 18:46	2°♏03'51
max. Earth dist.	380 Dec 07 j 03:08	17°♏14'32	1.71061 AU					greatest brilliancy	383 Jun 04 j 23:30	5°♏06'11 -4.5m
	380 Dec 17 j 06:34	0°♏							383 Jul 08 j 16:10	0°♏
	381 Jan 10 j 04:23	0°♏						morning max el	383 Jul 10 j 12:53	1°♏46'00 45°47'40
evening rise	381 Jan 15 j 17:09	6°♏55'29							383 Aug 06 j 20:49	0°♏
	381 Feb 03 j 05:01	0°♏							383 Sep 02 j 07:12	0°♏
	381 Feb 27 j 10:15	0°♏						asc. node	383 Sep 05 j 02:50	3°♏18'09
asc. node	381 Mar 20 j 07:43	25°♏36'38							383 Sep 27 j 10:43	0°♏
	381 Mar 23 j 22:17	0°♏							383 Oct 21 j 21:07	0°♏
	381 Apr 17 j 19:38	0°♏							383 Nov 14 j 22:44	0°♏
	381 May 13 j 06:12	0°♏							383 Dec 08 j 20:58	0°♏
	381 Jun 08 j 14:16	0°♏						desc. node	383 Dec 25 j 16:20	21°♏05'29
	381 Jul 06 j 19:06	0°♏							384 Jan 01 j 18:50	0°♏
desc. node	381 Jul 09 j 21:08	3°♏04'03						morning set	384 Jan 10 j 22:27	11°♏28'09
evening max el	381 Jul 14 j 00:50	7°♏06'21	45°49'45						384 Jan 25 j 17:52	0°♏
	381 Aug 11 j 02:09	0°♏							384 Feb 18 j 19:01	0°♏
greatest brilliancy	381 Aug 21 j 11:17	5°♏10'32	-4.6m							
retrograde	381 Sep 01 j 01:31	7°♏11'14						superior conj	384 Feb 20 j 19:23	2°♏30'29 -1°-25'-31
evening set	381 Sep 18 j 09:29	1°♏34'05						minimum elong	384 Feb 20 j 19:42	2°♏31'26 1°25'33
	381 Sep 21 j 00:19	30°♏						max. Earth dist.	384 Feb 24 j 20:34	7°♏32'29 1.72279 AU
inferior conj	381 Sep 21 j 22:29	29°♏26'08	-7°-58'-23						384 Mar 13 j 23:08	0°♏
minimum elong	381 Sep 22 j 06:59	29°♏13'07	7°57'14					evening rise	384 Mar 30 j 19:01	20°♏46'36
min. Earth dist.	381 Sep 22 j 18:51	28°♏55'00	0.27387 AU						384 Apr 07 j 06:52	0°♏
morning rise	381 Sep 26 j 04:11	26°♏53'24						asc. node	384 Apr 16 j 19:34	11°♏42'04
direct	381 Oct 12 j 20:42	21°♏32'46							384 May 01 j 18:32	0°♏
greatest brilliancy	381 Oct 26 j 15:17	25°♏01'41	-4.7m						384 May 26 j 10:26	0°♏
asc. node	381 Oct 31 j 00:10	27°♏21'38							384 Jun 20 j 07:36	0°♏
	381 Nov 04 j 04:06	0°♏							384 Jul 15 j 12:44	0°♏
morning max el	381 Dec 02 j 15:34	25°♏03'57	46°55'51					desc. node	384 Aug 06 j 09:01	25°♏29'19
	381 Dec 07 j 09:43	0°♏							384 Aug 10 j 07:11	0°♏

	384 Sep 06 j 03:02	0°♌			387 Apr 23 j 01:12	0°♄		
evening max el	384 Sep 25 j 09:06	20°♌04'32	47°03'02					
	384 Oct 05 j 18:13	0°♌						
greatest brilliancy	384 Nov 03 j 09:20	20°♌17'07	-4.7m	superior conj	387 May 02 j 13:45	11°♄42'12	0°-29'-35	
retrograde	384 Nov 14 j 20:48	22°♌45'50		minimum elong	387 May 02 j 19:38	12°♄00'18	0°29'19	
asc. node	384 Nov 27 j 12:12	19°♌32'11		max. Earth dist.	387 May 03 j 06:12	12°♄32'46	1.73549 AU	
evening set	384 Nov 29 j 04:48	18°♌40'21		asc. node	387 May 15 j 07:30	27°♄21'09		
min. Earth dist.	384 Dec 04 j 23:30	15°♌18'23	0.26410 AU	evening rise	387 May 17 j 11:15	0°♄		
inferior conj	384 Dec 05 j 10:10	15°♌02'06	2°02'24		387 Jun 07 j 22:33	26°♄21'41		
minimum elong	384 Dec 05 j 05:37	15°♌09'03	2°00'58		387 Jun 10 j 21:41	0°♄		
morning rise	384 Dec 11 j 06:36	11°♌36'05			387 Jul 05 j 08:14	0°♄		
direct	384 Dec 25 j 16:36	7°♌25'52			387 Jul 29 j 19:37	0°♄		
greatest brilliancy	385 Jan 06 j 04:15	9°♌53'41	-4.7m	desc. node	387 Aug 23 j 09:17	0°♄		
	385 Feb 03 j 14:22	0°♌			387 Sep 03 j 20:56	13°♄57'37		
morning max el	385 Feb 13 j 18:59	9°♌43'52	46°36'40		387 Sep 17 j 03:05	0°♌		
	385 Mar 05 j 05:14	0°♌			387 Oct 12 j 03:58	0°♌		
desc. node	385 Mar 19 j 01:51	15°♌17'22			387 Nov 06 j 19:07	0°♌		
	385 Apr 01 j 01:21	0°♌		evening max el	387 Dec 03 j 23:01	0°♌		
	385 Apr 26 j 22:00	0°♌		asc. node	387 Dec 07 j 16:46	3°♌52'06	47°16'28	
	385 May 22 j 06:50	0°♌			387 Dec 26 j 00:08	21°♌09'43		
asc. node	385 Jun 16 j 07:26	0°♌		greatest brilliancy	388 Jan 06 j 15:58	0°♌		
	385 Jul 10 j 05:08	29°♌00'55		retrograde	388 Jan 13 j 23:02	4°♌08'22	-4.6m	
	385 Jul 11 j 00:29	0°♌		evening set	388 Jan 27 j 15:36	7°♌36'05		
morning set	385 Aug 04 j 10:15	0°♌			388 Feb 14 j 11:20	1°♌22'54		
	385 Aug 11 j 18:07	9°♌04'16		min. Earth dist.	388 Feb 16 j 16:27	30°♌		
	385 Aug 28 j 13:55	0°♌		inferior conj	388 Feb 16 j 23:02	29°♌49'36	0.28021 AU	
max. Earth dist.	385 Sep 15 j 05:39	22°♌04'04	1.71739 AU	minimum elong	388 Feb 17 j 15:33	29°♌23'30	8°41'05	
				morning rise	388 Feb 17 j 14:57	29°♌24'27	8°41'06	
superior conj	385 Sep 18 j 02:19	25°♌39'08	1°18'06	direct	388 Feb 20 j 18:50	27°♌26'16		
minimum elong	385 Sep 18 j 09:33	26°♌01'48	1°17'57	greatest brilliancy	388 Mar 09 j 14:05	21°♌22'28		
	385 Sep 21 j 13:34	0°♌			388 Mar 20 j 11:00	23°♌32'58	-4.5m	
	385 Oct 15 j 11:26	0°♌		desc. node	388 Apr 01 j 13:46	0°♌		
evening rise	385 Oct 27 j 19:41	15°♌29'48		morning max el	388 Apr 15 j 13:34	10°♌45'41		
desc. node	385 Oct 29 j 18:43	17°♌57'21			388 Apr 27 j 16:27	21°♌50'15	45°55'13	
	385 Nov 08 j 09:07	0°♌			388 May 05 j 23:04	0°♌		
	385 Dec 02 j 07:42	0°♌			388 Jun 03 j 02:34	0°♌		
	385 Dec 26 j 08:36	0°♌			388 Jun 29 j 12:21	0°♌		
	386 Jan 19 j 14:23	0°♌		asc. node	388 Jul 24 j 23:56	0°♌		
	386 Feb 13 j 05:30	0°♌			388 Aug 06 j 16:58	15°♌16'06		
asc. node	386 Feb 19 j 21:49	8°♌00'58			388 Aug 18 j 19:53	0°♌		
	386 Mar 10 j 13:02	0°♌			388 Sep 12 j 04:15	0°♌		
	386 Apr 06 j 02:31	0°♌		morning set	388 Oct 06 j 04:58	0°♌		
evening max el	386 Apr 30 j 23:09	25°♌38'41	45°19'56		388 Oct 22 j 11:53	20°♌27'53		
	386 May 05 j 14:23	0°♌			388 Oct 30 j 01:44	0°♌		
greatest brilliancy	386 Jun 04 j 19:58	21°♌58'22	-4.5m	desc. node	388 Nov 22 j 21:23	0°♌		
desc. node	386 Jun 11 j 11:23	24°♌18'19			388 Nov 26 j 06:37	4°♌15'43		
retrograde	386 Jun 18 j 11:27	25°♌12'28		superior conj	388 Dec 02 j 10:52	12°♌02'14	0°-14'-39	
evening set	386 Jul 04 j 06:48	20°♌26'43		minimum elong	388 Dec 02 j 06:56	11°♌49'51	0°14'29	
inferior conj	386 Jul 09 j 21:03	17°♌05'46	-6°-2'-19	behind sun begin	388 Dec 01 j 18:20	11°♌10'12		
minimum elong	386 Jul 09 j 11:04	17°♌21'13	6°00'14	behind sun end	388 Dec 02 j 19:32	12°♌29'30		
min. Earth dist.	386 Jul 09 j 23:45	17°♌01'34	0.28814 AU	max. Earth dist.	388 Dec 04 j 07:32	14°♌22'44	1.71045 AU	
morning rise	386 Jul 14 j 15:07	14°♌12'56			388 Dec 16 j 17:35	0°♌		
direct	386 Jul 31 j 12:00	8°♌50'24			389 Jan 09 j 15:23	0°♌		
greatest brilliancy	386 Aug 14 j 22:42	12°♌30'10	-4.5m	evening rise	389 Jan 13 j 03:22	4°♌22'51		
	386 Sep 08 j 10:55	0°♌			389 Feb 02 j 16:03	0°♌		
morning max el	386 Sep 19 j 06:58	10°♌14'16	46°22'31		389 Feb 26 j 21:24	0°♌		
asc. node	386 Oct 02 j 14:31	24°♌01'04		asc. node	389 Mar 19 j 09:45	25°♌08'08		
	386 Oct 08 j 02:30	0°♌			389 Mar 23 j 09:42	0°♌		
	386 Nov 03 j 06:51	0°♌			389 Apr 17 j 07:38	0°♌		
	386 Nov 28 j 05:19	0°♌			389 May 12 j 19:16	0°♌		
	386 Dec 22 j 15:32	0°♌			389 Jun 08 j 05:30	0°♌		
	387 Jan 15 j 21:27	0°♌			389 Jun 06 j 15:59	0°♌		
desc. node	387 Jan 22 j 04:13	7°♌46'52		desc. node	389 Jul 08 j 23:16	2°♌15'45		
	387 Feb 09 j 02:40	0°♌		evening max el	389 Jul 11 j 13:46	4°♌46'47	45°47'32	
	387 Mar 05 j 08:42	0°♌			389 Aug 12 j 16:51	0°♌		
morning set	387 Mar 26 j 05:45	25°♌45'58		greatest brilliancy	389 Aug 18 j 23:51	2°♌49'52	-4.6m	
	387 Mar 29 j 16:12	0°♌		retrograde	389 Aug 29 j 13:42	4°♌50'38		

	389 Sep 14 j 13:59	30°♍		superior conj	392 Feb 18 j 08:08	0°♋07'09	-1°-25'-31
evening set	389 Sep 16 j 01:23	29°♍09'21		minimum elong	392 Feb 18 j 07:30	0°♋05'10	1°25'32
inferior conj	389 Sep 19 j 11:58	27°♍04'58	-8°-7'-22	max. Earth dist.	392 Feb 22 j 06:49	5°♋01'37	1.72223 AU
minimum elong	389 Sep 19 j 19:52	26°♍52'52	8°06'24		392 Mar 13 j 09:55	0°♍	
min. Earth dist.	389 Sep 20 j 08:37	26°♍33'22	0.27454 AU	evening rise	392 Mar 28 j 10:10	18°♍32'18	
morning rise	389 Sep 23 j 14:01	24°♍37'15			392 Apr 06 j 17:39	0°♌	
direct	389 Oct 10 j 10:21	19°♍10'22		asc. node	392 Apr 15 j 21:43	11°♌15'29	
greatest brilliancy	389 Oct 24 j 07:17	22°♍41'05	-4.6m		392 May 01 j 05:27	0°♌	
asc. node	389 Oct 30 j 02:24	25°♍53'02			392 May 25 j 21:40	0°♌	
	389 Nov 05 j 03:01	0°♌			392 Jun 19 j 19:26	0°♌	
morning max el	389 Nov 30 j 04:30	22°♌37'03	46°55'28		392 Jul 15 j 01:34	0°♌	
	389 Dec 07 j 06:11	0°♌		desc. node	392 Aug 05 j 11:00	24°♌54'02	
	390 Jan 03 j 02:38	0°♌			392 Aug 09 j 21:46	0°♌	
	390 Jan 28 j 14:36	0°♌			392 Sep 05 j 21:13	0°♌	
desc. node	390 Feb 18 j 16:03	25°♌15'13		evening max el	392 Sep 22 j 22:56	17°♌41'59	47°01'09
	390 Feb 22 j 14:32	0°♌			392 Oct 06 j 00:04	0°♌	
	390 Mar 19 j 09:29	0°♌		greatest brilliancy	392 Oct 31 j 22:22	17°♌48'51	-4.7m
	390 Apr 13 j 02:13	0°♌		retrograde	392 Nov 12 j 09:43	20°♌17'12	
	390 May 07 j 17:33	0°♌		evening set	392 Nov 26 j 16:52	16°♌12'08	
	390 Jun 01 j 07:07	0°♌		asc. node	392 Nov 26 j 14:15	16°♌15'36	
morning set	390 Jun 02 j 13:40	1°♌33'30		min. Earth dist.	392 Dec 02 j 12:55	12°♌48'26	0.26391 AU
asc. node	390 Jun 11 j 19:22	12°♌52'34		inferior conj	392 Dec 02 j 22:27	12°♌33'54	1°38'31
	390 Jun 25 j 17:56	0°♌		minimum elong	392 Dec 02 j 18:45	12°♌39'33	1°37'19
max. Earth dist.	390 Jul 05 j 14:26	12°♌08'26	1.73265 AU	morning rise	392 Dec 08 j 20:51	9°♌05'51	
				direct	392 Dec 23 j 05:20	4°♌57'52	
superior conj	390 Jul 08 j 20:28	16°♌09'03	0°58'14	greatest brilliancy	393 Jan 03 j 18:20	7°♌27'54	-4.7m
minimum elong	390 Jul 08 j 11:47	15°♌42'16	0°57'56		393 Feb 03 j 17:58	0°♌	
	390 Jul 20 j 01:29	0°♌		morning max el	393 Feb 11 j 09:30	7°♌23'33	46°37'58
	390 Aug 13 j 06:17	0°♌			393 Mar 04 j 22:42	0°♌	
evening rise	390 Aug 13 j 21:29	0°♌47'09		desc. node	393 Mar 18 j 03:56	14°♌39'38	
	390 Sep 06 j 09:45	0°♌			393 Mar 31 j 15:35	0°♌	
	390 Sep 30 j 13:22	0°♌			393 Apr 26 j 10:41	0°♌	
desc. node	390 Oct 01 j 08:55	1°♌00'39			393 May 21 j 18:37	0°♌	
	390 Oct 24 j 18:18	0°♌			393 Jun 15 j 18:40	0°♌	
	390 Nov 18 j 02:00	0°♌		asc. node	393 Jul 09 j 07:07	28°♌33'40	
	390 Dec 12 j 15:55	0°♌			393 Jul 10 j 11:23	0°♌	
	391 Jan 06 j 20:11	0°♌			393 Aug 03 j 21:01	0°♌	
asc. node	391 Jan 22 j 11:55	17°♌57'52		morning set	393 Aug 09 j 10:40	6°♌53'30	
	391 Feb 02 j 09:51	0°♌			393 Aug 28 j 00:41	0°♌	
evening max el	391 Feb 16 j 22:11	15°♌04'24	46°09'57	max. Earth dist.	393 Sep 12 j 17:23	19°♌36'42	1.71788 AU
	391 Mar 05 j 03:27	0°♌					
greatest brilliancy	391 Mar 23 j 18:04	12°♌38'39	-4.5m	superior conj	393 Sep 15 j 16:54	23°♌20'34	1°19'23
retrograde	391 Apr 07 j 10:47	16°♌29'06		minimum elong	393 Sep 15 j 23:29	23°♌41'11	1°19'17
evening set	391 Apr 23 j 05:06	11°♌40'34			393 Sep 21 j 00:25	0°♌	
inferior conj	391 Apr 28 j 21:30	8°♌13'00	3°27'27		393 Oct 14 j 22:23	0°♌	
minimum elong	391 Apr 29 j 04:28	8°♌02'00	3°25'35	evening rise	393 Oct 25 j 06:49	12°♌59'32	
min. Earth dist.	391 Apr 29 j 02:16	8°♌05'28	0.28936 AU	desc. node	393 Oct 28 j 20:54	17°♌29'38	
morning rise	391 May 05 j 03:52	4°♌25'18			393 Nov 07 j 20:11	0°♌	
desc. node	391 May 14 j 01:29	0°♌43'03			393 Dec 01 j 18:54	0°♌	
	391 May 18 j 07:54	30°♌			393 Dec 25 j 19:59	0°♌	
direct	391 May 20 j 10:26	29°♌54'48			394 Jan 19 j 02:05	0°♌	
	391 May 22 j 13:36	0°♌			394 Feb 12 j 17:47	0°♌	
greatest brilliancy	391 Jun 02 j 15:23	2°♌57'11	-4.5m	asc. node	394 Feb 18 j 23:50	7°♌29'37	
morning max el	391 Jul 08 j 04:56	29°♌36'42	45°47'11		394 Mar 10 j 02:29	0°♌	
	391 Jul 08 j 14:41	0°♌			394 Apr 05 j 18:39	0°♌	
	391 Aug 06 j 12:24	0°♌		evening max el	394 Apr 28 j 15:53	23°♌30'35	45°20'22
	391 Sep 01 j 20:26	0°♌			394 May 05 j 15:21	0°♌	
asc. node	391 Sep 04 j 04:46	2°♌45'24		greatest brilliancy	394 Jun 02 j 10:31	19°♌47'29	-4.5m
	391 Sep 26 j 22:51	0°♌		desc. node	394 Jun 10 j 13:26	22°♌28'00	
	391 Oct 21 j 08:43	0°♌		retrograde	394 Jun 16 j 03:14	23°♌02'34	
	391 Nov 14 j 10:03	0°♌		evening set	394 Jul 01 j 20:11	18°♌20'26	
	391 Dec 08 j 08:06	0°♌		inferior conj	394 Jul 07 j 12:57	14°♌55'28	-5°-47'-32
desc. node	391 Dec 24 j 18:24	20°♌37'22		minimum elong	394 Jul 07 j 03:04	15°♌10'50	5°45'23
	392 Jan 01 j 05:50	0°♌		min. Earth dist.	394 Jul 07 j 15:07	14°♌52'07	0.28833 AU
morning set	392 Jan 08 j 08:19	8°♌54'16		morning rise	394 Jul 12 j 09:46	11°♌58'28	
	392 Jan 25 j 04:46	0°♌		direct	394 Jul 29 j 04:42	6°♌40'03	
	392 Feb 18 j 05:50	0°♌		greatest brilliancy	394 Aug 12 j 13:12	10°♌17'18	-4.5m

	394 Sep 08 j 13:35	0°♋			397 Feb 02 j 03:15	0°♏		
morning max el	394 Sep 16 j 21:57	7°♋58'20	46°20'50		397 Feb 26 j 08:42	0°♑		
asc. node	394 Oct 01 j 16:44	23°♋18'32		asc. node	397 Mar 18 j 11:56	24°♑39'43		
	394 Oct 07 j 19:28	0°♎			397 Mar 22 j 21:17	0°♒		
	394 Nov 02 j 20:59	0°♎			397 Apr 16 j 19:46	0°♓		
	394 Nov 27 j 18:09	0°♎			397 May 12 j 08:32	0°♈		
	394 Dec 22 j 03:39	0°♏			397 Jun 07 j 21:06	0°♋		
	395 Jan 15 j 09:06	0°♏			397 Jul 06 j 13:54	0°♌		
desc. node	395 Jan 21 j 06:13	7°♏17'18		desc. node	397 Jul 08 j 01:13	1°♌25'34		
	395 Feb 08 j 13:58	0°♐		evening max el	397 Jul 09 j 02:23	2°♌26'00	45°45'19	
	395 Mar 04 j 19:44	0°♏			397 Aug 15 j 06:36	0°♍		
morning set	395 Mar 23 j 21:35	23°♏33'22		greatest brilliancy	397 Aug 16 j 11:44	0°♍27'54	-4.5m	
	395 Mar 29 j 03:02	0°♑		retrograde	397 Aug 27 j 02:20	2°♍29'50		
	395 Apr 22 j 11:56	0°♒			397 Sep 07 j 09:55	30°♌		
				evening set	397 Sep 13 j 17:05	26°♌44'24		
superior conj	395 Apr 30 j 07:21	9°♒35'53	0°-32'-34	inferior conj	397 Sep 17 j 01:31	24°♌43'18	-8°-15'-22	
minimum elong	395 Apr 30 j 13:46	9°♒55'37	0°32'18	minimum elong	397 Sep 17 j 08:46	24°♌32'14	8°14'35	
max. Earth dist.	395 May 01 j 05:01	10°♒42'27	1.73528 AU	min. Earth dist.	397 Sep 17 j 22:18	24°♌11'32	0.27522 AU	
asc. node	395 May 14 j 09:37	26°♒54'45		morning rise	397 Sep 21 j 00:06	22°♌20'41		
	395 May 16 j 21:58	0°♓		direct	397 Oct 08 j 00:10	16°♌47'24		
evening rise	395 Jun 05 j 17:36	24°♓19'44		greatest brilliancy	397 Oct 22 j 00:13	20°♌21'17	-4.6m	
	395 Jun 10 j 08:28	0°♈		asc. node	397 Oct 29 j 04:26	24°♌26'32		
	395 Jul 04 j 19:15	0°♋			397 Nov 05 j 20:19	0°♎		
	395 Jul 29 j 06:59	0°♌		morning max el	397 Nov 27 j 18:02	20°♎11'00	46°55'04	
	395 Aug 22 j 21:11	0°♍			397 Dec 07 j 02:17	0°♏		
desc. node	395 Sep 02 j 23:02	13°♍26'52			398 Jan 02 j 18:18	0°♏		
	395 Sep 16 j 15:46	0°♎			398 Jan 28 j 04:22	0°♏		
	395 Oct 11 j 17:52	0°♏		desc. node	398 Feb 17 j 18:07	24°♏42'48		
	395 Nov 06 j 11:10	0°♐			398 Feb 22 j 03:12	0°♐		
	395 Dec 03 j 20:20	0°♑			398 Mar 18 j 21:26	0°♏		
evening max el	395 Dec 05 j 07:59	1°♑31'36	47°17'41		398 Apr 12 j 13:41	0°♑		
asc. node	395 Dec 25 j 02:11	20°♑02'29			398 May 07 j 04:41	0°♒		
	396 Jan 08 j 02:43	0°♏		morning set	398 May 31 j 08:13	29°♒29'54		
greatest brilliancy	396 Jan 11 j 17:05	1°♏52'24	-4.6m		398 May 31 j 18:03	0°♓		
retrograde	396 Jan 25 j 06:44	5°♏16'46		asc. node	398 Jun 10 j 21:21	12°♓25'21		
	396 Feb 10 j 13:35	30°♏			398 Jun 25 j 04:47	0°♈		
evening set	396 Feb 12 j 01:19	29°♏06'08		max. Earth dist.	398 Jul 03 j 12:22	10°♈14'36	1.73306 AU	
min. Earth dist.	396 Feb 14 j 13:10	27°♏32'35	0.27957 AU					
inferior conj	396 Feb 15 j 06:30	27°♏05'11	8°40'40	superior conj	398 Jul 06 j 15:06	14°♈05'03	0°55'56	
minimum elong	396 Feb 15 j 05:04	27°♏07'27	8°40'38	minimum elong	398 Jul 06 j 06:30	13°♈38'30	0°55'37	
morning rise	396 Feb 18 j 09:04	25°♏08'54			398 Jul 19 j 12:22	0°♋		
direct	396 Mar 07 j 04:21	19°♏05'24		evening rise	398 Aug 11 j 14:49	28°♋37'45		
greatest brilliancy	396 Mar 17 j 23:21	21°♏13'53	-4.5m		398 Aug 12 j 17:19	0°♌		
	396 Apr 02 j 11:03	0°♏			398 Sep 05 j 21:02	0°♍		
desc. node	396 Apr 14 j 15:45	9°♏47'18			398 Sep 30 j 00:58	0°♎		
morning max el	396 Apr 25 j 06:18	19°♏33'31	45°56'13	desc. node	398 Sep 30 j 11:02	0°♎31'14		
	396 May 05 j 18:39	0°♑			398 Oct 24 j 06:17	0°♏		
	396 Jun 02 j 17:25	0°♒			398 Nov 17 j 14:29	0°♏		
	396 Jun 29 j 01:18	0°♓			398 Dec 12 j 05:10	0°♐		
	396 Jul 24 j 11:56	0°♈		asc. node	399 Jan 06 j 10:53	0°♏		
asc. node	396 Aug 05 j 19:00	14°♈46'55			399 Jan 21 j 13:58	17°♏17'47		
	396 Aug 18 j 07:22	0°♋			399 Feb 02 j 04:02	0°♑		
	396 Sep 11 j 15:29	0°♌		evening max el	399 Feb 14 j 13:03	12°♑47'49	46°12'37	
	396 Oct 05 j 16:05	0°♍			399 Mar 05 j 12:23	0°♒		
morning set	396 Oct 20 j 00:10	18°♍00'33		greatest brilliancy	399 Mar 21 j 09:55	10°♒27'26	-4.5m	
	396 Oct 29 j 12:51	0°♎		retrograde	399 Apr 05 j 03:50	14°♒19'39		
	396 Nov 22 j 08:32	0°♏		evening set	399 Apr 20 j 23:47	9°♒27'31		
desc. node	396 Nov 25 j 08:38	3°♏46'57		inferior conj	399 Apr 26 j 14:01	6°♒03'08	3°45'22	
				minimum elong	399 Apr 26 j 21:28	5°♒51'25	3°43'25	
superior conj	396 Nov 29 j 20:18	9°♏25'49	0°-10'-40	min. Earth dist.	399 Apr 26 j 18:37	5°♒55'53	0.28924 AU	
minimum elong	396 Nov 29 j 17:26	9°♏16'46	0°10'32	morning rise	399 May 02 j 19:12	2°♒17'23		
behind sun begin	396 Nov 28 j 20:47	8°♏11'47			399 May 07 j 11:06	30°♑		
behind sun end	396 Nov 30 j 14:05	10°♏21'46		desc. node	399 May 13 j 03:28	28°♑14'18		
max. Earth dist.	396 Dec 01 j 08:58	11°♏21'12	1.71035 AU	direct	399 May 18 j 02:31	27°♑45'00		
	396 Dec 16 j 04:46	0°♏			399 May 29 j 08:27	0°♒		
	397 Jan 09 j 02:35	0°♐		greatest brilliancy	399 May 31 j 06:57	0°♒47'15	-4.5m	
evening rise	397 Jan 10 j 13:35	1°♐49'33		morning max el	399 Jul 05 j 21:41	27°♒28'34	45°46'46	

	399 Jul 08 j 12:34	0°♁	
	399 Aug 06 j 03:59	0°♁	
	399 Sep 01 j 09:49	0°♁	
asc. node	399 Sep 03 j 07:00	2°♁12'50	
	399 Sep 26 j 11:16	0°♁	
	399 Oct 20 j 20:39	0°♁	
	399 Nov 13 j 21:44	0°♁	
	399 Dec 07 j 19:36	0°♁	
desc. node	399 Dec 23 j 20:25	20°♁07'55	
	399 Dec 31 j 17:12	0°♁	
morning set	400 Jan 05 j 17:58	6°♁18'32	
	400 Jan 24 j 16:01	0°♁	
superior conj	400 Feb 15 j 20:34	27°♁41'38	-1°-25'-21
minimum elong	400 Feb 15 j 18:57	27°♁36'36	1°25'21
	400 Feb 17 j 17:01	0°♁	
max. Earth dist.	400 Feb 19 j 18:31	2°♁34'03	1.72170 AU
	400 Mar 12 j 21:03	0°♁	
evening rise	400 Mar 26 j 01:14	16°♁16'31	
	400 Apr 06 j 04:49	0°♁	
asc. node	400 Apr 14 j 23:48	10°♁47'32	
	400 Apr 30 j 16:45	0°♁	
	400 May 25 j 09:15	0°♁	
	400 Jun 19 j 07:36	0°♁	
	400 Jul 14 j 14:45	0°♁	
desc. node	400 Aug 04 j 13:06	24°♁18'11	
	400 Aug 09 j 12:49	0°♁	