

conjunction	11101 Jun 03 21:16	19° Π 31'10	-0°43'20	retrograde	11106 Aug 26 17:56	28° Υ 33'15	
minimum elong	11101 Jun 03 23:38	19° Π 35'36	0°43'56	opposition	11106 Oct 03 07:19	20° Υ 18'00	-4°59'00
	11101 Jun 17 16:46	0° \mathfrak{S}		greatest brilliancy	11106 Oct 04 10:44	19° Υ 52'08	-1.6m
	11101 Jul 26 09:30	0° Ω		min. Earth dist.	11106 Oct 10 00:25	17° Υ 46'06	0.59081 AU
morning rise	11101 Aug 07 15:04	9° Ω 37'02		direct	11106 Nov 12 22:31	10° Υ 32'33	
asc. node	11101 Aug 09 06:59	10° Ω 55'40			11107 Jan 14 14:02	0° \mathfrak{B}	
	11101 Sep 02 11:10	0° \mathfrak{M}			11107 Mar 04 14:48	0° Π	
	11101 Oct 10 18:27	0° \mathfrak{L}		asc. node	11107 Apr 01 08:22	19° Π 36'38	
	11101 Nov 19 05:24	0° \mathfrak{M}			11107 Apr 15 09:12	0° \mathfrak{S}	
	11101 Dec 30 19:50	0° \mathfrak{A}			11107 May 24 13:26	0° Ω	
	11102 Feb 13 23:12	0° \mathfrak{Z}			11107 Jul 02 01:19	0° \mathfrak{M}	
	11102 Apr 07 11:11	0° \approx			11107 Aug 10 02:20	0° \mathfrak{L}	
retrograde	11102 Jun 14 06:47	20° \approx 29'52			11107 Sep 19 13:11	0° \mathfrak{M}	
desc. node	11102 Jul 01 02:38	18° \approx 38'39		evening set	11107 Oct 21 15:32	22° \mathfrak{M} 52'04	
opposition	11102 Jul 24 22:05	10° \approx 40'17	-0°50'04		11107 Oct 31 21:34	0° \mathfrak{A}	
min. Earth dist.	11102 Jul 24 02:14	11° \approx 00'00	0.67986 AU				
greatest brilliancy	11102 Jul 24 21:03	10° \approx 41'19	-1.3m	conjunction	11107 Dec 13 08:41	28° \mathfrak{A} 44'47	0°35'44
direct	11102 Sep 03 17:11	0° \approx 57'09		minimum elong	11107 Dec 13 09:58	28° \mathfrak{A} 46'55	0°36'22
	11102 Nov 30 00:59	0° \mathfrak{H}			11107 Dec 15 06:05	0° \mathfrak{Z}	
	11103 Jan 21 01:59	0° Υ		max. Earth dist.	11108 Jan 02 04:02	11° \mathfrak{Z} 46'30	2.62170 AU
	11103 Mar 07 23:35	0° \mathfrak{B}		morning rise	11108 Jan 29 23:18	29° \mathfrak{Z} 43'50	
	11103 Apr 19 06:21	0° Π			11108 Jan 30 09:24	0° \approx	
	11103 May 29 02:32	0° \mathfrak{S}		desc. node	11108 Feb 20 06:32	13° \approx 15'50	
evening set	11103 Jun 05 17:32	5° \mathfrak{S} 53'35			11108 Mar 17 23:43	0° \mathfrak{H}	
asc. node	11103 Jun 27 03:48	22° \mathfrak{S} 38'47			11108 May 05 23:36	0° Υ	
	11103 Jul 06 11:33	0° Ω			11108 Jun 26 07:12	0° \mathfrak{B}	
	11103 Aug 13 07:47	0° \mathfrak{M}			11108 Aug 24 03:07	0° Π	
				retrograde	11108 Oct 18 06:23	14° Π 09'50	
conjunction	11103 Aug 14 06:38	0° \mathfrak{M} 45'14	0°33'27	opposition	11108 Nov 20 16:53	7° Π 40'03	-4°45'35
minimum elong	11103 Aug 14 03:15	0° \mathfrak{M} 38'32	0°33'02	greatest brilliancy	11108 Nov 22 07:39	7° Π 07'39	-2.4m
	11103 Sep 20 13:03	0° \mathfrak{L}		min. Earth dist.	11108 Nov 29 10:20	4° Π 46'39	0.45833 AU
max. Earth dist.	11103 Sep 28 08:53	6° \mathfrak{L} 02'48	2.37488 AU		11108 Dec 21 00:16	30° \mathfrak{R} \mathfrak{B}	
morning rise	11103 Oct 25 14:44	26° \mathfrak{L} 44'23		direct	11108 Dec 27 02:59	29° \mathfrak{B} 43'49	
	11103 Oct 29 23:36	0° \mathfrak{M}			11109 Jan 02 07:26	0° Π	
	11103 Dec 10 08:47	0° \mathfrak{A}		asc. node	11109 Feb 16 13:49	15° Π 04'27	
	11104 Jan 23 08:05	0° \mathfrak{Z}			11109 Mar 14 06:19	0° \mathfrak{S}	
	11104 Mar 10 19:10	0° \approx			11109 Apr 27 00:17	0° Ω	
	11104 May 03 18:45	0° \mathfrak{H}			11109 Jun 06 20:19	0° \mathfrak{M}	
desc. node	11104 May 17 23:42	6° \mathfrak{H} 43'52			11109 Jul 17 15:18	0° \mathfrak{L}	
retrograde	11104 Jul 17 21:56	23° \mathfrak{H} 07'31			11109 Aug 28 14:35	0° \mathfrak{M}	
opposition	11104 Aug 26 17:40	13° \mathfrak{H} 52'17	-3°13'49		11109 Oct 11 06:17	0° \mathfrak{A}	
greatest brilliancy	11104 Aug 27 00:27	13° \mathfrak{H} 45'39	-1.3m		11109 Nov 25 14:12	0° \mathfrak{Z}	
min. Earth dist.	11104 Aug 29 17:21	12° \mathfrak{H} 42'07	0.66861 AU	evening set	11109 Dec 04 17:28	5° \mathfrak{Z} 56'07	
direct	11104 Oct 07 08:38	3° \mathfrak{H} 49'21		desc. node	11110 Jan 07 00:39	27° \mathfrak{Z} 20'41	
	11104 Dec 25 11:48	0° Υ			11110 Jan 11 04:28	0° \approx	
	11105 Feb 13 09:20	0° \mathfrak{B}					
	11105 Mar 28 17:43	0° Π		conjunction	11110 Jan 20 03:54	5° \approx 43'05	-0°07'03
	11105 May 07 19:52	0° \mathfrak{S}		minimum elong	11110 Jan 20 03:41	5° \approx 42'44	0°06'29
asc. node	11105 May 14 04:40	4° \mathfrak{S} 54'31		behind sun begin	11110 Jan 19 10:19	5° \approx 15'07	
	11105 Jun 15 05:51	0° Ω		behind sun end	11110 Jan 20 21:02	6° \approx 10'19	
	11105 Jul 23 03:57	0° \mathfrak{M}		max. Earth dist.	11110 Jan 24 23:56	8° \approx 47'32	2.67658 AU
evening set	11105 Aug 19 11:07	21° \mathfrak{M} 23'35			11110 Feb 27 10:36	0° \mathfrak{H}	
	11105 Aug 30 14:09	0° \mathfrak{L}		morning rise	11110 Mar 05 01:25	3° \mathfrak{H} 33'26	
	11105 Oct 09 08:18	0° \mathfrak{M}			11110 Apr 15 19:15	0° Υ	
					11110 Jun 01 23:49	0° \mathfrak{B}	
conjunction	11105 Oct 24 07:52	10° \mathfrak{M} 57'46	1°05'34		11110 Jul 19 02:23	0° Π	
minimum elong	11105 Oct 24 08:35	10° \mathfrak{M} 59'03	1°05'56		11110 Sep 04 17:31	0° \mathfrak{S}	
	11105 Nov 20 00:23	0° \mathfrak{A}			11110 Oct 25 10:26	0° Ω	
max. Earth dist.	11105 Dec 03 08:46	9° \mathfrak{A} 17'27	2.51362 AU	retrograde	11111 Jan 04 22:29	24° Ω 32'28	
morning rise	11105 Dec 20 03:18	20° \mathfrak{A} 45'10		asc. node	11111 Jan 04 17:20	24° Ω 32'27	
	11106 Jan 02 22:01	0° \mathfrak{Z}		opposition	11111 Feb 03 16:34	19° Ω 35'26	2°19'44
	11106 Feb 18 04:32	0° \approx		min. Earth dist.	11111 Feb 03 06:05	19° Ω 42'21	0.36439 AU
desc. node	11106 Apr 04 15:24	27° \approx 52'59		greatest brilliancy	11111 Feb 03 13:46	19° Ω 37'16	-3.1m
	11106 Apr 08 05:10	0° \mathfrak{H}		direct	11111 Mar 04 23:54	14° Ω 42'22	
	11106 Jun 01 01:58	0° Υ			11111 Apr 26 17:56	0° \mathfrak{M}	

	11111 Jun 17 22:47	0°♏		minimum elong	11116 May 13 15:39	28°♏28'18"	1°00'10"
	11111 Aug 04 02:00	0°♍			11116 May 15 18:11	0°♍	
	11111 Sep 19 20:52	0°♎			11116 Jun 25 02:29	0°♎	
	11111 Nov 06 04:11	0°♐		morning rise	11116 Jul 10 04:38	11°♐31'39"	
desc. node	11111 Nov 24 23:32	11°♐50'39"			11116 Aug 03 00:46	0°♑	
	11111 Dec 23 20:48	0°♑		asc. node	11116 Aug 26 03:12	18°♑05'54"	
evening set	11112 Jan 11 01:26	11°♑26'46"			11116 Sep 10 06:41	0°♒	
	11112 Feb 09 09:51	0°♒			11116 Oct 18 16:37	0°♓	
max. Earth dist.	11112 Feb 16 00:25	4°♒12'01"	2.67607 AU		11116 Nov 27 06:08	0°♍	
					11117 Jan 08 03:58	0°♎	
conjunction	11112 Feb 24 07:04	9°♒28'33"	-0°44'45"		11117 Feb 23 11:13	0°♐	
minimum elong	11112 Feb 24 06:00	9°♒26'51"	0°44'27"		11117 Apr 24 01:13	0°♑	
	11112 Mar 27 04:47	0°♒		retrograde	11117 Jun 01 02:35	7°♑46'03"	
morning rise	11112 Apr 07 20:31	7°♒35'10"			11117 Jul 06 04:54	30°♒30"	
	11112 May 11 19:21	0°♓		min. Earth dist.	11117 Jul 09 09:51	28°♓44'10"	0.66614 AU
	11112 Jun 25 01:04	0°♍		opposition	11117 Jul 11 17:20	27°♓48'55"	0°12'41"
	11112 Aug 06 22:04	0°♎		greatest brilliancy	11117 Jul 11 17:00	27°♓49'14"	-1.4m
	11112 Sep 17 16:19	0°♏		desc. node	11117 Jul 17 14:34	25°♓30'28"	
	11112 Oct 29 00:24	0°♐		direct	11117 Aug 20 18:59	18°♓20'34"	
asc. node	11112 Nov 21 15:13	16°♐50'51"			11117 Oct 10 03:35	0°♑	
	11112 Dec 10 17:51	0°♓			11117 Dec 10 00:06	0°♒	
	11113 Jan 30 21:36	0°♍			11118 Jan 29 00:19	0°♎	
retrograde	11113 Mar 13 02:08	10°♍38'42"			11118 Mar 15 09:23	0°♓	
min. Earth dist.	11113 Apr 09 12:39	5°♍25'36"	0.45581 AU		11118 Apr 26 14:25	0°♍	
greatest brilliancy	11113 Apr 16 07:41	3°♍04'46"	-2.4m	evening set	11118 May 12 07:47	11°♍38'51"	
opposition	11113 Apr 18 00:51	2°♍28'53"	5°55'26"		11118 Jun 05 12:32	0°♎	
	11113 Apr 25 12:16	30°♒♏		max. Earth dist.	11118 Jun 06 15:17	0°♎51'23"	2.38198 AU
direct	11113 May 20 16:24	25°♏51'21"		asc. node	11118 Jul 13 20:27	29°♎52'57"	
	11113 Jun 16 10:39	0°♍					
	11113 Aug 22 14:20	0°♎		conjunction	11118 Jul 14 15:12	0°♏29'53"	0°00'34"
desc. node	11113 Oct 12 04:05	28°♎38'59"		minimum elong	11118 Jul 14 15:13	0°♏29'54"	0°00'03"
	11113 Oct 14 11:23	0°♐		behind sun begin	11118 Jul 13 12:32	29°♎37'19"	
	11113 Dec 03 15:27	0°♑		behind sun end	11118 Jul 15 17:54	1°♏22'30"	
	11114 Jan 21 04:42	0°♒			11118 Jul 14 00:02	0°♏	
evening set	11114 Feb 14 15:40	15°♒30'58"			11118 Aug 20 21:51	0°♐	
	11114 Mar 09 00:57	0°♒		morning rise	11118 Sep 26 05:55	28°♐32'22"	
max. Earth dist.	11114 Mar 10 19:21	1°♒09'18"	2.62109 AU		11118 Sep 28 03:04	0°♓	
					11118 Nov 06 12:19	0°♍	
conjunction	11114 Mar 31 18:07	15°♒00'14"	-1°07'14"		11118 Dec 17 21:05	0°♎	
minimum elong	11114 Mar 31 17:31	14°♒59'14"	1°07'21"		11119 Jan 31 01:35	0°♐	
	11114 Apr 22 23:10	0°♓			11119 Mar 20 14:13	0°♑	
morning rise	11114 May 17 17:36	17°♓07'40"			11119 May 19 08:30	0°♒	
	11114 Jun 04 22:32	0°♍		desc. node	11119 Jun 04 14:26	5°♒39'06"	
	11114 Jul 16 03:07	0°♎		retrograde	11119 Jul 05 04:01	10°♒35'29"	
	11114 Aug 24 22:18	0°♏		opposition	11119 Aug 14 10:48	1°♒04'13"	-2°21'45"
	11114 Oct 02 23:05	0°♐		greatest brilliancy	11119 Aug 14 12:38	1°♒02'24"	-1.3m
asc. node	11114 Oct 09 10:27	4°♐59'20"		min. Earth dist.	11119 Aug 15 22:22	0°♒29'08"	0.68089 AU
	11114 Nov 11 03:31	0°♓			11119 Aug 17 03:57	30°♒30"	
	11114 Dec 21 21:36	0°♍		direct	11119 Sep 24 22:06	21°♑05'48"	
	11115 Feb 05 00:41	0°♎			11119 Nov 06 10:13	0°♒	
	11115 Apr 16 16:16	0°♐			11120 Jan 06 06:13	0°♒	
retrograde	11115 Apr 27 01:58	0°♐43'30"			11120 Feb 22 22:17	0°♓	
	11115 May 07 03:10	30°♒♎			11120 Apr 05 16:43	0°♍	
min. Earth dist.	11115 May 30 14:48	23°♎14'48"	0.58670 AU		11120 May 15 14:54	0°♎	
opposition	11115 Jun 05 14:53	20°♎53'41"	3°12'07"	asc. node	11120 May 30 19:15	11°♎46'31"	
greatest brilliancy	11115 Jun 04 23:00	21°♎09'16"	-1.7m		11120 Jun 22 23:24	0°♏	
direct	11115 Jul 12 19:15	12°♎25'02"		evening set	11120 Jul 20 04:09	21°♏33'45"	
desc. node	11115 Aug 30 10:10	23°♎36'32"			11120 Jul 30 19:50	0°♐	
	11115 Sep 14 12:51	0°♐			11120 Sep 07 03:09	0°♓	
	11115 Nov 11 20:17	0°♑					
	11116 Jan 01 23:20	0°♒		conjunction	11120 Sep 29 01:24	16°♓46'16"	1°04'10"
	11116 Feb 18 14:11	0°♒		minimum elong	11120 Sep 28 23:47	16°♓43'13"	1°04'17"
evening set	11116 Mar 24 08:27	23°♒07'07"			11120 Oct 16 17:10	0°♍	
	11116 Apr 03 09:34	0°♓		max. Earth dist.	11120 Nov 16 22:39	22°♍43'16"	2.45956 AU
max. Earth dist.	11116 Apr 08 07:38	3°♓24'06"	2.51552 AU		11120 Nov 27 05:11	0°♎	
				morning rise	11120 Nov 30 18:06	2°♎29'09"	
conjunction	11116 May 13 14:03	28°♓25'24"	-0°59'39"		11121 Jan 10 01:10	0°♐	





























































































































	11121 Feb 25 13:53	0°♊		11126 Mar 29 21:50	0°♏	
	11121 Apr 16 18:11	0°♋		11126 May 17 17:50	0°♍	
desc. node	11121 Apr 21 09:00	2°♋36'20		11126 Jun 30 23:47	0°♌	
	11121 Jun 14 17:16	0°♍		11126 Aug 14 02:38	0°♍	
retrograde	11121 Aug 10 05:16	14°♍16'43		11126 Sep 28 06:08	0°♎	
opposition	11121 Sep 17 20:28	5°♍33'56 -4°24'57		11126 Nov 13 14:04	0°♏	
greatest brilliancy	11121 Sep 18 14:50	5°♍16'17 -1.5m	desc. node	11126 Dec 11 12:50	17°♏49'07	
min. Earth dist.	11121 Sep 23 03:24	3°♍31'52 0.62907 AU	evening set	11126 Dec 28 00:40	28°♏16'41	
	11121 Oct 03 00:30	30°♋♋		11126 Dec 30 17:54	0°♊	
direct	11121 Oct 29 03:17	25°♋35'05	max. Earth dist.	11127 Feb 07 10:54	24°♊30'37 2.68291 AU	
	11121 Nov 25 23:38	0°♍				
	11122 Jan 27 23:32	0°♎	conjunction	11127 Feb 10 17:43	26°♊35'33 -0°31'24	
	11122 Mar 14 12:35	0°♌	minimum elong	11127 Feb 10 16:52	26°♊34'12 0°30'59	
asc. node	11122 Apr 17 23:16	25°♌10'56		11127 Feb 16 02:35	0°♋	
	11122 Apr 24 08:02	0°♎	morning rise	11127 Mar 26 00:55	24°♋12'26	
	11122 Jun 02 01:49	0°♏		11127 Apr 04 01:04	0°♍	
	11122 Jul 10 06:02	0°♍		11127 May 20 03:27	0°♎	
	11122 Aug 17 23:15	0°♌		11127 Jul 04 05:21	0°♌	
	11122 Sep 27 01:40	0°♍		11127 Aug 17 07:31	0°♎	
evening set	11122 Sep 29 20:44	2°♍02'29		11127 Sep 29 17:56	0°♏	
	11122 Nov 08 02:01	0°♎		11127 Nov 12 17:42	0°♍	
			asc. node	11127 Dec 09 10:18	17°♍02'17	
conjunction	11122 Nov 25 20:02	12°♎14'43 0°50'32		11128 Jan 01 12:31	0°♌	
minimum elong	11122 Nov 25 21:42	12°♎17'33 0°51'08	retrograde	11128 Feb 19 06:19	14°♌18'57	
	11122 Dec 22 04:34	0°♏	min. Earth dist.	11128 Mar 16 03:59	9°♌52'19 0.40385 AU	
max. Earth dist.	11122 Dec 22 18:35	0°♏23'17 2.58551 AU	greatest brilliancy	11128 Mar 22 00:58	8°♌03'12 -2.7m	
morning rise	11123 Jan 15 03:52	15°♏45'10	opposition	11128 Mar 23 15:14	7°♌33'21 5°58'11	
	11123 Feb 06 06:59	0°♊	direct	11128 Apr 23 03:13	1°♌54'36	
desc. node	11123 Mar 08 23:26	19°♊19'56		11128 Jul 12 16:28	0°♍	
	11123 Mar 26 05:56	0°♋		11128 Sep 03 05:03	0°♎	
	11123 May 15 10:57	0°♍		11128 Oct 23 00:50	0°♏	
	11123 Jul 09 14:20	0°♎	desc. node	11128 Oct 28 14:56	3°♏24'05	
retrograde	11123 Sep 25 23:39	24°♎37'38		11128 Dec 10 23:25	0°♊	
opposition	11123 Oct 31 05:44	17°♎19'22 -5°17'44		11129 Jan 28 00:46	0°♋	
greatest brilliancy	11123 Nov 01 20:53	16°♎44'21 -2.0m	evening set	11129 Jan 31 17:47	2°♋20'47	
min. Earth dist.	11123 Nov 08 16:04	14°♎19'19 0.51427 AU	max. Earth dist.	11129 Mar 01 06:54	20°♋35'15 2.64902 AU	
direct	11123 Dec 08 20:18	8°♎23'19		11129 Mar 15 19:06	0°♍	
	11124 Feb 10 23:53	0°♌				
asc. node	11124 Mar 05 03:36	14°♌09'55	conjunction	11129 Mar 17 02:53	0°♍51'51 -1°01'06	
	11124 Mar 28 09:45	0°♎	minimum elong	11129 Mar 17 01:55	0°♍50'16 1°01'02	
	11124 May 08 05:37	0°♏		11129 Apr 29 22:26	0°♎	
	11124 Jun 16 17:00	0°♍	morning rise	11129 May 01 04:18	0°♎50'39	
	11124 Jul 26 13:19	0°♌		11129 Jun 12 07:40	0°♌	
	11124 Sep 05 17:54	0°♍		11129 Jul 24 01:09	0°♎	
	11124 Oct 18 18:13	0°♎		11129 Sep 02 10:10	0°♏	
evening set	11124 Nov 18 13:16	20°♎43'07		11129 Oct 12 01:09	0°♍	
	11124 Dec 02 14:37	0°♏	asc. node	11129 Oct 26 05:30	10°♍44'34	
				11129 Nov 20 22:47	0°♌	
conjunction	11125 Jan 05 19:26	22°♏12'49 0°09'36		11130 Jan 02 01:42	0°♍	
minimum elong	11125 Jan 05 19:47	22°♏13'23 0°10'12		11130 Feb 21 09:13	0°♎	
behind sun begin	11125 Jan 05 04:45	21°♏49'14	retrograde	11130 Apr 11 04:22	13°♎40'11	
behind sun end	11125 Jan 06 10:49	22°♏37'32	min. Earth dist.	11130 May 12 09:41	6°♎59'59 0.53942 AU	
max. Earth dist.	11125 Jan 16 03:37	28°♏50'53 2.66176 AU	opposition	11130 May 19 17:02	4°♎12'46 4°24'36	
	11125 Jan 17 22:50	0°♊	greatest brilliancy	11130 May 18 14:37	4°♎38'03 -1.9m	
desc. node	11125 Jan 23 15:41	3°♊38'34		11130 May 31 17:34	30°♎♍	
morning rise	11125 Feb 19 16:40	20°♊48'47	direct	11130 Jun 24 07:32	26°♍19'58	
	11125 Mar 06 06:02	0°♋		11130 Jul 19 23:22	0°♎	
	11125 Apr 23 01:50	0°♍	desc. node	11130 Sep 15 20:40	23°♎48'48	
	11125 Jun 10 09:09	0°♎		11130 Sep 27 19:59	0°♏	
	11125 Jul 29 19:31	0°♌		11130 Nov 20 11:45	0°♊	
	11125 Sep 21 04:18	0°♎		11131 Jan 09 07:44	0°♋	
retrograde	11125 Dec 02 20:54	23°♎33'05		11131 Feb 25 13:04	0°♍	
opposition	11126 Jan 02 02:43	18°♎24'40 -1°25'57	evening set	11131 Mar 09 14:12	7°♍54'38	
greatest brilliancy	11126 Jan 02 11:54	18°♎18'13 -2.9m	max. Earth dist.	11131 Mar 27 14:40	19°♍57'15 2.56214 AU	
min. Earth dist.	11126 Jan 07 07:39	16°♎56'59 0.38241 AU		11131 Apr 11 08:31	0°♎	
asc. node	11126 Jan 21 08:18	13°♎42'50				
direct	11126 Feb 02 19:41	12°♎39'30	conjunction	11131 Apr 26 02:59	10°♎14'31 -1°07'35	

minimum elong	11131 Apr 26 03:34	10°♄15'32	1°07'57	opposition	11136 Sep 03 13:08	21°♄52'13	-3°41'57
	11131 May 23 21:51	0°♄		greatest brilliancy	11136 Sep 03 23:36	21°♄42'01	-1.4m
morning rise	11131 Jun 17 07:50	17°♄52'45		min. Earth dist.	11136 Sep 07 08:32	20°♄23'09	0.65732 AU
	11131 Jul 03 12:59	0°♄		direct	11136 Oct 15 02:44	11°♄48'52	
	11131 Aug 11 18:04	0°♄			11136 Dec 16 23:29	0°♄	
asc. node	11131 Sep 12 21:29	25°♄02'39			11137 Feb 07 09:17	0°♄	
	11131 Sep 19 05:42	0°♄			11137 Mar 23 08:21	0°♄	
	11131 Oct 27 20:29	0°♄			11137 May 02 15:44	0°♄	
	11131 Dec 06 16:06	0°♄		asc. node	11137 May 04 12:45	1°♄26'19	
	11132 Jan 18 05:07	0°♄			11137 Jun 10 03:52	0°♄	
	11132 Mar 06 21:23	0°♄			11137 Jul 18 03:31	0°♄	
retrograde	11132 May 18 14:43	24°♄22'20			11137 Aug 25 15:33	0°♄	
min. Earth dist.	11132 Jun 24 05:09	15°♄52'50	0.64236 AU	evening set	11137 Sep 04 12:06	7°♄32'19	
opposition	11132 Jun 27 23:57	14°♄22'32	1°19'41		11137 Oct 04 11:42	0°♄	
greatest brilliancy	11132 Jun 27 19:50	14°♄26'38	-1.5m				
desc. node	11132 Aug 03 03:12	5°♄16'49		conjunction	11137 Nov 05 23:05	23°♄27'54	1°01'52
direct	11132 Aug 06 02:43	5°♄13'31		minimum elong	11137 Nov 06 00:29	23°♄30'22	1°02'20
	11132 Oct 24 15:51	0°♄			11137 Nov 15 05:44	0°♄	
	11132 Dec 18 18:09	0°♄		max. Earth dist.	11137 Dec 11 01:49	17°♄49'46	2.54143 AU
	11133 Feb 05 12:57	0°♄			11137 Dec 29 03:54	0°♄	
	11133 Mar 22 14:47	0°♄		morning rise	11137 Dec 30 01:30	0°♄35'58	
evening set	11133 Apr 21 07:56	20°♄55'24			11138 Feb 13 07:24	0°♄	
	11133 May 03 20:21	0°♄		desc. node	11138 Mar 25 16:39	25°♄05'26	
max. Earth dist.	11133 May 05 21:16	1°♄29'30	2.43315 AU		11138 Apr 02 19:43	0°♄	
	11133 Jun 12 21:50	0°♄			11138 May 24 22:30	0°♄	
					11138 Jul 28 07:00	0°♄	
conjunction	11133 Jun 17 09:43	3°♄26'49	-0°29'50	retrograde	11138 Sep 05 22:55	7°♄45'16	
minimum elong	11133 Jun 17 11:55	3°♄31'03	0°30'27	opposition	11138 Oct 12 18:32	29°♄47'46	-5°12'05
	11133 Jul 21 12:45	0°♄			11138 Oct 12 05:21	30°♄	
asc. node	11133 Jul 30 14:58	7°♄09'30		greatest brilliancy	11138 Oct 14 02:52	29°♄17'40	-1.8m
morning rise	11133 Aug 25 04:25	27°♄21'20		min. Earth dist.	11138 Oct 20 04:22	27°♄02'34	0.56590 AU
	11133 Aug 28 12:45	0°♄		direct	11138 Nov 21 20:04	20°♄14'49	
	11133 Oct 05 18:36	0°♄			11139 Jan 02 10:22	0°♄	
	11133 Nov 14 03:41	0°♄			11139 Feb 25 12:27	0°♄	
	11133 Dec 25 14:10	0°♄		asc. node	11139 Mar 22 18:47	17°♄17'01	
	11134 Feb 08 05:20	0°♄			11139 Apr 09 07:49	0°♄	
	11134 Mar 30 15:51	0°♄			11139 May 18 21:55	0°♄	
retrograde	11134 Jun 21 20:21	28°♄10'24			11139 Jun 26 15:39	0°♄	
desc. node	11134 Jun 21 05:22	28°♄10'16			11139 Aug 04 21:35	0°♄	
opposition	11134 Aug 01 09:41	18°♄26'23	-1°25'11		11139 Sep 14 12:53	0°♄	
greatest brilliancy	11134 Aug 01 08:56	18°♄27'08	-1.3m		11139 Oct 27 01:28	0°♄	
min. Earth dist.	11134 Aug 01 09:29	18°♄26'35	0.68300 AU	evening set	11139 Nov 01 18:39	3°♄55'42	
direct	11134 Sep 11 11:52	8°♄36'49			11139 Dec 10 12:59	0°♄	
	11134 Nov 22 07:05	0°♄					
	11135 Jan 15 10:16	0°♄		conjunction	11139 Dec 22 14:59	7°♄56'46	0°26'16
	11135 Mar 02 21:09	0°♄		minimum elong	11139 Dec 22 15:56	7°♄58'21	0°26'55
	11135 Apr 14 08:04	0°♄		max. Earth dist.	11140 Jan 07 19:31	18°♄28'59	2.63845 AU
	11135 May 24 05:20	0°♄			11140 Jan 25 17:06	0°♄	
asc. node	11135 Jun 17 11:11	18°♄51'48		morning rise	11140 Feb 07 01:19	7°♄52'27	
evening set	11135 Jun 21 06:03	21°♄50'21		desc. node	11140 Feb 10 07:21	9°♄56'22	
	11135 Jul 01 14:19	0°♄			11140 Mar 13 03:37	0°♄	
	11135 Aug 08 10:35	0°♄			11140 Apr 30 15:08	0°♄	
					11140 Jun 19 13:50	0°♄	
conjunction	11135 Aug 31 19:13	18°♄24'39	0°48'45		11140 Aug 12 08:12	0°♄	
minimum elong	11135 Aug 31 15:24	18°♄17'09	0°48'30	retrograde	11140 Nov 02 07:27	27°♄18'07	
	11135 Sep 15 16:11	0°♄		opposition	11140 Dec 04 13:59	21°♄18'37	-3°58'42
max. Earth dist.	11135 Oct 24 00:00	29°♄09'40	2.40294 AU	greatest brilliancy	11140 Dec 05 22:27	20°♄53'00	-2.6m
	11135 Oct 25 03:02	0°♄		min. Earth dist.	11140 Dec 12 20:10	18°♄43'31	0.42810 AU
morning rise	11135 Nov 09 03:04	11°♄03'43		direct	11141 Jan 08 11:21	14°♄06'18	
	11135 Dec 05 11:55	0°♄		asc. node	11141 Feb 06 23:47	19°♄48'07	
	11136 Jan 18 08:05	0°♄			11141 Mar 01 14:53	0°♄	
	11136 Mar 05 07:40	0°♄			11141 Apr 18 18:35	0°♄	
	11136 Apr 26 09:38	0°♄			11141 May 31 00:36	0°♄	
desc. node	11136 May 08 00:59	6°♄01'23			11141 Jul 11 14:42	0°♄	
	11136 Jul 13 03:30	0°♄			11141 Aug 23 03:03	0°♄	
retrograde	11136 Jul 26 02:23	0°♄57'11			11141 Oct 06 04:22	0°♄	
	11136 Aug 07 10:39	30°♄			11141 Nov 20 18:53	0°♄	

evening set	11141 Dec 13 10:42	14° ♁ 36'27		11146 Dec 15 17:29	0° ♁	
desc. node	11141 Dec 28 01:42	23° ♁ 57'52		11147 Jan 28 11:38	0° ♁	
	11142 Jan 06 12:58	0° ♁		11147 Mar 24 06:31	0° ♁	
			retrograde	11147 May 05 12:34	10° ♁ 00'17	
conjunction	11142 Jan 28 02:59	13° ♁ 42'55 -0°16'25	min. Earth dist.	11147 Jun 09 04:55	2° ♁ 08'23	0.60895 AU
minimum elong	11142 Jan 28 02:30	13° ♁ 42'08 0°15'54	opposition	11147 Jun 14 10:38	0° ♁ 04'15	2°30'14
max. Earth dist.	11142 Jan 30 01:27	14° ♁ 56'35 2.68122 AU	greatest brilliancy	11147 Jun 13 23:46	0° ♁ 14'59	-1.6m
	11142 Feb 22 19:20	0° ♁		11147 Jun 14 14:57	30° ♁	
morning rise	11142 Mar 12 16:04	11° ♁ 20'09	direct	11147 Jul 22 08:55	21° ♁ 19'35	
	11142 Apr 10 23:44	0° ♁	desc. node	11147 Aug 20 14:01	25° ♁ 49'30	
	11142 May 27 17:36	0° ♁		11147 Sep 02 12:56	0° ♁	
	11142 Jul 12 23:12	0° ♁		11147 Nov 05 12:49	0° ♁	
	11142 Aug 27 22:43	0° ♁		11147 Dec 27 19:01	0° ♁	
	11142 Oct 13 16:12	0° ♁		11148 Feb 13 18:58	0° ♁	
	11142 Dec 05 07:41	0° ♁		11148 Mar 29 16:50	0° ♁	
asc. node	11142 Dec 26 01:37	8° ♁ 31'07	evening set	11148 Apr 02 22:51	2° ♁ 56'16	
retrograde	11143 Jan 22 17:16	13° ♁ 23'34	max. Earth dist.	11148 Apr 16 21:13	12° ♁ 41'07	2.48684 AU
min. Earth dist.	11143 Feb 18 16:32	9° ♁ 00'56 0.36990 AU		11148 May 11 00:30	0° ♁	
opposition	11143 Feb 22 07:11	8° ♁ 01'41 4°14'18				
greatest brilliancy	11143 Feb 21 15:23	8° ♁ 12'32 -3.0m	conjunction	11148 May 25 05:55	10° ♁ 26'54 -0°51'26	
direct	11143 Mar 23 13:25	3° ♁ 06'35	minimum elong	11148 May 25 08:02	10° ♁ 30'49 0°52'01	
	11143 Jun 07 08:00	0° ♁		11148 Jun 20 06:33	0° ♁	
	11143 Jul 27 20:48	0° ♁	morning rise	11148 Jul 25 16:17	27° ♁ 19'54	
	11143 Sep 14 00:33	0° ♁		11148 Jul 29 02:11	0° ♁	
	11143 Nov 01 00:41	0° ♁	asc. node	11148 Aug 16 08:27	14° ♁ 20'02	
desc. node	11143 Nov 15 02:40	8° ♁ 47'05		11148 Sep 05 05:43	0° ♁	
	11143 Dec 19 02:14	0° ♁	greatest brilliancy	11148 Oct 03 22:32	22° ♁ 30'53 1.2m	
evening set	11144 Jan 18 23:20	19° ♁ 22'24		11148 Oct 13 13:44	0° ♁	
	11144 Feb 04 18:57	0° ♁		11148 Nov 22 00:34	0° ♁	
max. Earth dist.	11144 Feb 21 04:22	10° ♁ 25'50 2.66875 AU		11149 Jan 02 15:59	0° ♁	
				11149 Feb 17 02:37	0° ♁	
conjunction	11144 Mar 03 03:10	17° ♁ 26'41 -0°51'36		11149 Apr 12 10:23	0° ♁	
minimum elong	11144 Mar 03 02:05	17° ♁ 24'56 0°51'23	retrograde	11149 Jun 08 16:13	15° ♁ 36'32	
	11144 Mar 22 13:31	0° ♁	desc. node	11149 Jul 07 18:23	10° ♁ 08'39	
morning rise	11144 Apr 16 01:13	16° ♁ 02'45	min. Earth dist.	11149 Jul 17 19:27	6° ♁ 19'01 0.67500 AU	
	11144 May 07 00:04	0° ♁	opposition	11149 Jul 19 07:37	5° ♁ 43'02 -0°24'36	
	11144 Jun 19 22:04	0° ♁	greatest brilliancy	11149 Jul 19 06:54	5° ♁ 43'44 -1.3m	
	11144 Aug 01 08:18	0° ♁		11149 Aug 03 23:28	30° ♁	
	11144 Sep 11 12:26	0° ♁	direct	11149 Aug 28 19:29	26° ♁ 06'10	
	11144 Oct 22 01:26	0° ♁		11149 Sep 25 01:37	0° ♁	
asc. node	11144 Nov 11 23:50	15° ♁ 23'18		11149 Dec 03 13:53	0° ♁	
	11144 Dec 02 07:25	0° ♁		11150 Jan 23 18:10	0° ♁	
	11145 Jan 16 19:39	0° ♁		11150 Mar 10 11:56	0° ♁	
retrograde	11145 Mar 24 09:35	23° ♁ 55'41		11150 Apr 21 19:12	0° ♁	
min. Earth dist.	11145 Apr 22 03:23	18° ♁ 10'44 0.48630 AU	evening set	11150 May 25 14:14	25° ♁ 18'27	
greatest brilliancy	11145 Apr 28 21:20	15° ♁ 44'22 -2.2m		11150 May 31 17:12	0° ♁	
opposition	11145 Apr 30 10:21	15° ♁ 10'37 5°29'22	asc. node	11150 Jul 04 04:26	26° ♁ 04'54	
direct	11145 Jun 03 05:17	8° ♁ 03'10		11150 Jul 09 03:38	0° ♁	
	11145 Aug 13 08:58	0° ♁	max. Earth dist.	11150 Jul 26 20:45	14° ♁ 01'16 2.36392 AU	
desc. node	11145 Oct 02 07:59	26° ♁ 36'32				
	11145 Oct 08 07:26	0° ♁	conjunction	11150 Jul 31 14:28	17° ♁ 46'44 0°19'40	
	11145 Nov 28 11:20	0° ♁	minimum elong	11150 Jul 31 12:22	17° ♁ 42'33 0°19'09	
	11146 Jan 16 10:10	0° ♁		11150 Aug 16 00:21	0° ♁	
evening set	11146 Feb 22 19:34	23° ♁ 46'26		11150 Sep 23 04:57	0° ♁	
	11146 Mar 04 09:27	0° ♁	morning rise	11150 Oct 13 07:50	15° ♁ 29'04	
max. Earth dist.	11146 Mar 16 17:26	8° ♁ 06'04 2.60210 AU		11150 Nov 01 13:44	0° ♁	
				11150 Dec 12 21:04	0° ♁	
conjunction	11146 Apr 09 14:07	24° ♁ 04'31 -1°08'54		11151 Jan 25 20:24	0° ♁	
minimum elong	11146 Apr 09 13:53	24° ♁ 04'06 1°09'07		11151 Mar 14 14:24	0° ♁	
	11146 Apr 18 06:56	0° ♁		11151 May 09 04:39	0° ♁	
morning rise	11146 May 28 01:34	27° ♁ 48'49	desc. node	11151 May 25 16:42	7° ♁ 09'51	
	11146 May 31 02:55	0° ♁	retrograde	11151 Jul 12 23:34	18° ♁ 14'50	
	11146 Jul 11 02:55	0° ♁	opposition	11151 Aug 22 00:26	8° ♁ 51'59 -2°52'48	
	11146 Aug 19 17:00	0° ♁	greatest brilliancy	11151 Aug 22 04:45	8° ♁ 47'44 -1.3m	
	11146 Sep 27 12:32	0° ♁	min. Earth dist.	11151 Aug 24 07:36	7° ♁ 57'45 0.67544 AU	
asc. node	11146 Sep 29 17:16	1° ♁ 42'10		11151 Sep 19 03:45	30° ♁	
	11146 Nov 05 10:50	0° ♁	direct	11151 Oct 02 14:06	28° ♁ 50'38	

	11151 Oct 16 17:44	0° H			11157 Jan 13 07:13	0° \approx	
	11151 Dec 30 11:46	0° Y					
	11152 Feb 17 10:11	0° B		conjunction	11157 Jan 14 02:20	0° \approx 30'30 -0°00'11	
	11152 Mar 31 13:40	0° II		minimum elong	11157 Jan 14 02:18	0° \approx 30'28 0°00'24	
	11152 May 10 15:09	0° E		behind sun begin	11157 Jan 13 07:29	0° \approx 00'26	
asc. node	11152 May 21 04:59	8° E 10'28		behind sun end	11157 Jan 14 21:07	1° \approx 00'29	
	11152 Jun 18 00:50	0° Ω		max. Earth dist.	11157 Jan 21 08:03	5° \approx 07'37 2.67101 AU	
greatest brilliancy	11152 Jul 24 14:19	28° Ω 57'34 1.2m		morning rise	11157 Feb 27 08:46	28° \approx 37'10	
	11152 Jul 25 21:55	0° M			11157 Mar 01 13:11	0° H	
evening set	11152 Aug 06 08:51	9° M 01'57			11157 Apr 18 02:19	0° Y	
	11152 Sep 02 06:05	0° E			11157 Jun 04 17:37	0° B	
	11152 Oct 11 21:06	0° M			11157 Jul 22 17:10	0° II	
					11157 Sep 10 04:57	0° E	
conjunction	11152 Oct 13 19:29	1° M 25'49 1°06'23			11157 Nov 06 09:10	0° Ω	
minimum elong	11152 Oct 13 19:22	1° M 25'36 1°06'40		retrograde	11157 Dec 21 07:04	10° Ω 56'14	
	11152 Nov 22 09:47	0° A		asc. node	11158 Jan 11 18:10	8° Ω 10'03	
max. Earth dist.	11152 Nov 27 00:59	3° A 15'05 2.48997 AU		opposition	11158 Jan 20 01:08	6° Ω 01'58 0°38'47	
morning rise	11152 Dec 12 02:10	13° A 41'05		greatest brilliancy	11158 Jan 20 02:01	6° Ω 01'22 -3.1m	
	11153 Jan 05 04:59	0° B		min. Earth dist.	11158 Jan 22 07:45	5° Ω 25'27 0.36821 AU	
	11153 Feb 20 12:10	0° \approx		direct	11158 Feb 19 03:18	0° Ω 53'32	
	11153 Apr 10 21:15	0° H			11158 May 06 23:58	0° M	
desc. node	11153 Apr 11 08:46	0° H 16'47			11158 Jun 23 08:37	0° E	
	11153 Jun 05 06:59	0° Y			11158 Aug 07 20:58	0° M	
retrograde	11153 Aug 19 10:20	22° Y 46'54			11158 Sep 22 19:16	0° A	
opposition	11153 Sep 26 11:42	14° Y 18'30 -4°45'53			11158 Nov 08 14:42	0° B	
greatest brilliancy	11153 Sep 27 11:03	13° Y 56'14 -1.6m		desc. node	11158 Dec 01 15:08	14° B 35'16	
min. Earth dist.	11153 Oct 02 13:25	11° Y 59'37 0.60915 AU			11158 Dec 26 01:00	0° \approx	
direct	11153 Nov 06 10:29	4° Y 25'44		evening set	11159 Jan 05 02:11	6° \approx 20'26	
	11154 Jan 20 01:49	0° B			11159 Feb 11 11:57	0° H	
	11154 Mar 08 09:22	0° II		max. Earth dist.	11159 Feb 12 10:07	0° H 35'12 2.68013 AU	
asc. node	11154 Apr 08 08:14	22° II 13'37					
	11154 Apr 18 17:48	0° E		conjunction	11159 Feb 18 11:39	4° H 26'24 -0°39'28	
	11154 May 27 17:24	0° Ω		minimum elong	11159 Feb 18 10:39	4° H 24'49 0°39'08	
	11154 Jul 05 01:19	0° M			11159 Mar 30 08:45	0° Y	
	11154 Aug 12 22:00	0° E		morning rise	11159 Apr 02 20:46	2° Y 15'57	
	11154 Sep 22 03:47	0° M			11159 May 15 04:48	0° B	
evening set	11154 Oct 12 13:47	14° M 42'59			11159 Jun 28 19:26	0° II	
	11154 Nov 03 07:06	0° A			11159 Aug 11 04:45	0° E	
					11159 Sep 22 14:33	0° Ω	
conjunction	11154 Dec 06 01:02	22° A 21'45 0°42'13			11159 Nov 03 20:22	0° M	
minimum elong	11154 Dec 06 02:32	22° A 24'16 0°42'51		asc. node	11159 Nov 29 17:00	17° M 49'09	
	11154 Dec 17 11:32	0° B			11159 Dec 18 09:41	0° E	
max. Earth dist.	11154 Dec 28 22:30	7° B 34'13 2.60646 AU			11160 Feb 27 03:33	0° M	
morning rise	11155 Jan 23 17:58	24° B 21'24		retrograde	11160 Mar 03 16:32	0° M 13'26	
	11155 Feb 01 13:07	0° \approx			11160 Mar 09 04:25	30° R E	
desc. node	11155 Feb 26 23:40	16° \approx 07'24		min. Earth dist.	11160 Mar 30 04:57	25° E 23'56 0.43160 AU	
	11155 Mar 21 05:46	0° H		greatest brilliancy	11160 Apr 05 18:58	23° E 13'34 -2.5m	
	11155 May 09 16:03	0° Y		opposition	11160 Apr 07 12:54	22° E 38'38 6°06'19	
	11155 Jul 01 06:34	0° B		direct	11160 May 09 05:23	16° E 27'06	
	11155 Sep 05 10:33	0° II			11160 Jun 30 02:59	0° M	
retrograde	11155 Oct 08 14:09	5° II 45'45			11160 Aug 27 01:44	0° A	
	11155 Nov 08 14:47	30° R B			11160 Oct 17 10:14	0° B	
opposition	11155 Nov 11 21:41	28° B 52'56 -5°05'06		desc. node	11160 Oct 18 18:51	0° B 48'44	
greatest brilliancy	11155 Nov 13 13:51	28° B 18'11 -2.2m			11160 Dec 06 00:29	0° \approx	
min. Earth dist.	11155 Nov 20 15:54	25° B 52'35 0.48359 AU			11161 Jan 23 08:37	0° H	
direct	11155 Dec 19 09:35	20° B 26'47		evening set	11161 Feb 08 15:16	10° H 18'17	
	11156 Jan 28 02:34	0° II		max. Earth dist.	11161 Mar 06 17:05	27° H 04'37 2.63464 AU	
asc. node	11156 Feb 24 13:27	14° II 15'33			11161 Mar 11 04:48	0° Y	
	11156 Mar 20 08:52	0° E					
	11156 May 01 13:10	0° Ω		conjunction	11161 Mar 25 08:26	9° Y 17'21 -1°05'10	
	11156 Jun 10 15:54	0° M		minimum elong	11161 Mar 25 07:39	9° Y 16'03 1°05'13	
	11156 Jul 20 22:47	0° E			11161 Apr 25 06:14	0° B	
	11156 Aug 31 11:53	0° M		morning rise	11161 May 10 08:45	10° B 20'52	
	11156 Oct 13 19:02	0° A			11161 Jun 07 10:44	0° II	
evening set	11156 Nov 27 22:17	0° B 02'51			11161 Jul 18 21:34	0° E	
	11156 Nov 27 20:32	0° B			11161 Aug 27 22:59	0° Ω	
desc. node	11157 Jan 13 17:40	0° \approx 16'43			11161 Oct 06 05:21	0° M	

asc. node	11161 Oct 16 12:07	7°♎52'13		direct	11166 Sep 19 04:36	16°♏15'22	
	11161 Nov 14 15:45	0°♏			11166 Nov 13 00:24	0°♏	
	11161 Dec 25 19:35	0°♎			11167 Jan 09 12:05	0°♎	
	11162 Feb 10 07:24	0°♎			11167 Feb 25 16:40	0°♎	
retrograde	11162 Apr 20 10:11	24°♎08'06			11167 Apr 09 09:04	0°♎	
min. Earth dist.	11162 May 22 23:14	17°♎00'00	0.56662 AU		11167 May 19 07:47	0°♎	
opposition	11162 May 29 13:53	14°♎26'01	3°43'10	asc. node	11167 Jun 07 19:32	15°♏08'00	
greatest brilliancy	11162 May 28 17:34	14°♎45'45	-1.8m		11167 Jun 26 16:56	0°♎	
direct	11162 Jul 05 01:47	6°♎12'19		evening set	11167 Jul 07 18:52	8°♎46'36	
desc. node	11162 Sep 06 01:17	23°♎34'10			11167 Aug 03 13:04	0°♎	
	11162 Sep 19 18:18	0°♎			11167 Sep 10 18:58	0°♏	
	11162 Nov 14 18:58	0°♏					
	11163 Jan 04 08:34	0°♏		conjunction	11167 Sep 17 17:02	5°♏20'32	0°59'27
	11163 Feb 20 20:18	0°♎		minimum elong	11167 Sep 17 14:11	5°♏15'03	0°59'25
evening set	11163 Mar 18 09:27	16°♎52'41			11167 Oct 20 06:33	0°♎	
max. Earth dist.	11163 Apr 03 16:28	27°♎55'33	2.53723 AU	max. Earth dist.	11167 Nov 08 18:58	14°♎20'48	2.43414 AU
	11163 Apr 06 17:00	0°♎		morning rise	11167 Nov 22 09:17	24°♎08'03	
					11167 Nov 30 15:37	0°♎	
conjunction	11163 May 06 06:44	20°♎42'45	-1°03'58		11168 Jan 13 09:54	0°♎	
minimum elong	11163 May 06 07:53	20°♎44'50	1°04'25		11168 Feb 29 00:40	0°♏	
	11163 May 19 04:50	0°♎			11168 Apr 19 18:52	0°♏	
	11163 Jun 28 17:04	0°♏		desc. node	11168 Apr 28 02:11	4°♏33'18	
morning rise	11163 Jun 30 05:51	1°♏09'33			11168 Jun 21 10:20	0°♎	
	11163 Aug 06 18:54	0°♎		retrograde	11168 Aug 03 14:20	8°♎59'17	
asc. node	11163 Sep 03 05:12	21°♎26'14		opposition	11168 Sep 11 14:37	0°♎05'58	-4°07'49
	11163 Sep 14 03:11	0°♎			11168 Sep 11 20:47	30°♎	
	11163 Oct 22 14:33	0°♏		greatest brilliancy	11168 Sep 12 05:17	29°♏51'45	-1.4m
	11163 Dec 01 05:11	0°♎		min. Earth dist.	11168 Sep 16 05:11	28°♏18'51	0.64300 AU
	11164 Jan 12 06:21	0°♎		direct	11168 Oct 23 01:00	20°♏04'16	
	11164 Feb 28 05:24	0°♎			11168 Dec 05 21:46	0°♎	
	11164 May 05 08:04	0°♏			11169 Jan 31 21:55	0°♎	
retrograde	11164 May 26 09:34	2°♏38'07			11169 Mar 17 18:33	0°♎	
	11164 Jun 15 03:14	30°♎		asc. node	11169 Apr 24 23:01	28°♎08'58	
min. Earth dist.	11164 Jul 02 22:50	23°♎50'28	0.65677 AU		11169 Apr 27 09:24	0°♏	
opposition	11164 Jul 05 22:40	22°♎38'56	0°39'59		11169 Jun 05 00:58	0°♎	
greatest brilliancy	11164 Jul 05 21:05	22°♎40'30	-1.4m		11169 Jul 13 02:41	0°♎	
desc. node	11164 Jul 24 06:24	16°♎13'31			11169 Aug 20 16:38	0°♏	
direct	11164 Aug 14 14:52	13°♎18'46		evening set	11169 Sep 19 06:40	22°♏21'01	
	11164 Oct 15 22:33	0°♏			11169 Sep 29 15:00	0°♎	
	11164 Dec 12 23:48	0°♏			11169 Nov 10 10:58	0°♎	
	11165 Jan 31 12:19	0°♎					
	11165 Mar 17 19:44	0°♎		conjunction	11169 Nov 17 13:26	4°♎56'49	0°55'54
	11165 Apr 29 02:14	0°♎		minimum elong	11169 Nov 17 15:05	4°♎59'42	0°56'27
evening set	11165 May 02 19:24	2°♎43'26		max. Earth dist.	11169 Dec 18 02:45	25°♎47'01	2.56673 AU
max. Earth dist.	11165 May 21 00:54	16°♎16'30	2.40375 AU		11169 Dec 24 10:09	0°♎	
	11165 Jun 08 02:50	0°♏		morning rise	11170 Jan 08 10:04	9°♎54'59	
					11170 Feb 08 11:27	0°♏	
conjunction	11165 Jul 02 04:39	18°♏38'11	-0°13'25	desc. node	11170 Mar 15 16:59	22°♏05'49	
minimum elong	11165 Jul 02 05:57	18°♏40'41	0°14'03		11170 Mar 28 14:21	0°♏	
behind sun begin	11165 Jul 01 15:42	18°♏12'54			11170 May 18 10:56	0°♎	
behind sun end	11165 Jul 02 20:11	19°♏08'29			11170 Jul 15 03:51	0°♎	
	11165 Jul 16 16:26	0°♎		retrograde	11170 Sep 16 22:54	17°♎35'03	
asc. node	11165 Jul 20 21:57	3°♎19'59		opposition	11170 Oct 22 22:50	9°♎58'04	-5°18'19
	11165 Aug 23 15:10	0°♎		greatest brilliancy	11170 Oct 24 11:21	9°♎24'42	-1.9m
morning rise	11165 Sep 12 06:52	15°♎30'01		min. Earth dist.	11170 Oct 30 23:30	7°♎02'54	0.53814 AU
	11165 Sep 30 20:08	0°♏		direct	11170 Dec 01 06:28	0°♎43'17	
	11165 Nov 09 04:13	0°♎			11171 Feb 17 05:20	0°♎	
	11165 Dec 20 11:49	0°♎		asc. node	11171 Mar 13 03:30	15°♎31'31	
	11166 Feb 02 18:09	0°♎			11171 Apr 02 17:48	0°♏	
	11166 Mar 23 19:38	0°♏			11171 May 12 23:16	0°♎	
	11166 May 27 05:05	0°♏			11171 Jun 21 01:42	0°♎	
desc. node	11166 Jun 11 07:03	3°♏55'32			11171 Jul 30 14:14	0°♏	
retrograde	11166 Jun 29 10:55	5°♏47'42			11171 Sep 09 11:27	0°♎	
	11166 Jul 29 20:10	30°♎			11171 Oct 22 04:50	0°♎	
opposition	11166 Aug 08 20:50	26°♏10'14	-1°58'56	evening set	11171 Nov 12 02:25	14°♎11'58	
greatest brilliancy	11166 Aug 08 21:11	26°♏09'52	-1.3m		11171 Dec 05 19:57	0°♎	
min. Earth dist.	11166 Aug 09 15:55	25°♏51'21	0.68313 AU				

conjunction	11171 Dec 31 09:46	16°  42'28	0°16'33		11177 Jan 07 02:19	0° 	
minimum elong	11171 Dec 31 10:22	16°  43'27	0°17'12		11177 Mar 04 06:09	0° 	
max. Earth dist.	11172 Jan 13 05:55	24°  59'38	2.65235 AU	retrograde	11177 Apr 03 18:42	5°  59'40	
	11172 Jan 21 01:13	0° 			11177 May 03 03:36	30° 	
desc. node	11172 Jan 31 08:31	6°  34'48		min. Earth dist.	11177 May 03 22:02	29°  43'16	0.51611 AU
morning rise	11172 Feb 14 21:38	15°  49'17		greatest brilliancy	11177 May 10 09:51	27°  17'31	-2.1m
	11172 Mar 08 09:05	0° 		opposition	11177 May 11 17:09	26°  48'05	4°54'15
	11172 Apr 25 10:55	0° 		direct	11177 Jun 15 12:10	19°  14'24	
	11172 Jun 13 09:03	0° 			11177 Aug 01 03:27	0° 	
	11172 Aug 03 06:41	0° 		desc. node	11177 Sep 22 11:13	25°  20'10	
	11172 Oct 01 02:16	0° 			11177 Oct 01 15:28	0° 	
retrograde	11172 Nov 18 23:59	11°  56'25			11177 Nov 23 03:03	0° 	
opposition	11172 Dec 20 00:18	6°  52'23	-2°43'43		11178 Jan 11 14:07	0° 	
greatest brilliancy	11172 Dec 20 21:00	6°  12'04	-2.8m		11178 Feb 27 17:52	0° 	
min. Earth dist.	11172 Dec 26 22:49	4°  52'36	0.40037 AU	evening set	11178 Mar 03 03:28	2°  13'14	
direct	11173 Jan 22 04:19	0°  50'55		max. Earth dist.	11178 Mar 22 21:18	15°  16'38	2.58096 AU
asc. node	11173 Jan 28 08:08	0°  50'04			11178 Apr 13 15:17	0° 	
	11173 Apr 08 10:18	0° 					
	11173 May 23 07:38	0° 		conjunction	11178 Apr 18 18:55	3°  32'22	-1°08'53
	11173 Jul 05 02:46	0° 		minimum elong	11178 Apr 18 19:08	3°  32'43	1°09'12
	11173 Aug 17 09:28	0° 			11178 May 26 08:39	0° 	
	11173 Sep 30 23:11	0° 		morning rise	11178 Jun 08 03:19	9°  15'20	
	11173 Nov 15 22:10	0° 			11178 Jul 06 04:24	0° 	
desc. node	11173 Dec 18 04:32	20°  39'47			11178 Aug 14 13:58	0° 	
evening set	11173 Dec 21 20:35	22°  35'59		asc. node	11178 Sep 19 23:15	28°  15'17	
	11174 Jan 01 20:53	0° 			11178 Sep 22 05:01	0° 	
					11178 Oct 30 22:19	0° 	
conjunction	11174 Feb 04 22:27	21°  35'59	-0°25'23		11178 Dec 09 21:01	0° 	
minimum elong	11174 Feb 04 21:44	21°  34'50	0°24'55		11179 Jan 21 17:53	0° 	
max. Earth dist.	11174 Feb 04 00:29	21°  01'11	2.68326 AU		11179 Mar 13 00:04	0° 	
	11174 Feb 18 04:18	0° 		retrograde	11179 May 13 15:51	18°  35'34	
morning rise	11174 Mar 20 06:40	19°  09'08		min. Earth dist.	11179 Jun 18 10:20	10°  37'27	0.62856 AU
	11174 Apr 06 05:34	0° 		opposition	11179 Jun 22 21:13	8°  51'24	1°48'47
	11174 May 22 14:45	0° 		greatest brilliancy	11179 Jun 22 14:33	8°  35'01	-1.5m
	11174 Jul 07 04:28	0° 			11179 Jul 27 02:21	30°  08'21	
	11174 Aug 21 00:31	0° 		direct	11179 Jul 31 12:13	29°  25'44	
	11174 Oct 04 14:30	0° 			11179 Aug 05 00:19	0° 	
	11174 Nov 19 20:36	0° 		desc. node	11179 Aug 10 18:02	0°  32'15	
asc. node	11174 Dec 16 11:16	15°  16'26			11179 Oct 29 14:44	0° 	
	11175 Jan 23 04:24	0° 			11179 Dec 22 10:18	0° 	
retrograde	11175 Feb 07 20:11	1°  43'20			11180 Feb 08 22:10	0° 	
	11175 Feb 23 16:13	30°  08'17			11180 Mar 24 23:42	0° 	
min. Earth dist.	11175 Mar 05 18:51	27°  16'22	0.38533 AU	evening set	11180 Apr 13 02:17	13°  19'39	
opposition	11175 Mar 11 22:10	25°  18'38	5°30'03	max. Earth dist.	11180 Apr 26 21:12	23°  09'56	2.45749 AU
greatest brilliancy	11175 Mar 10 15:42	26°  10'01	-2.9m		11180 May 06 07:34	0° 	
direct	11175 Apr 10 16:06	20°  12'40					
	11175 May 22 05:25	0° 		conjunction	11180 Jun 06 20:08	23°  12'19	-0°40'17
	11175 Jul 19 13:35	0° 		minimum elong	11180 Jun 06 22:29	23°  12'45	0°40'54
	11175 Sep 07 18:44	0° 			11180 Jun 15 11:59	0° 	
	11175 Oct 26 17:06	0° 			11180 Jul 24 05:32	0° 	
desc. node	11175 Nov 05 05:41	5°  52'13		asc. node	11180 Aug 06 16:21	10°  12'45	
	11175 Dec 14 05:45	0° 		morning rise	11180 Aug 11 08:57	14°  12'45	
evening set	11176 Jan 26 20:21	27°  17'12			11180 Aug 31 07:01	0° 	
	11176 Jan 31 03:23	0° 			11180 Oct 08 13:08	0° 	
max. Earth dist.	11176 Feb 26 08:43	16°  42'16	2.65891 AU		11180 Nov 16 21:48	0° 	
					11180 Dec 28 08:21	0° 	
conjunction	11176 Mar 11 01:29	25°  32'12	-0°57'32		11181 Feb 11 04:12	0° 	
minimum elong	11176 Mar 11 00:26	25°  30'30	0°57'25		11181 Apr 03 16:38	0° 	
	11176 Mar 17 22:29	0° 		retrograde	11181 Jun 16 05:29	23°  12'45	
morning rise	11176 Apr 24 12:25	24°  48'38		desc. node	11181 Jun 27 21:28	22°  12'45	
	11176 May 02 05:41	0° 		opposition	11181 Jul 26 20:14	13°  12'45	-1°00'41
	11176 Jun 14 21:20	0° 		min. Earth dist.	11181 Jul 26 03:31	13°  12'45	0.68068 AU
	11176 Jul 26 22:37	0° 		greatest brilliancy	11181 Jul 26 19:06	13°  12'45	-1.3m
	11176 Sep 05 16:09	0° 		direct	11181 Sep 05 16:49	3°  12'45	
	11176 Oct 15 15:43	0°			11181 Nov 26 11:18	0°	
asc. node	11176 Nov 02 07:30	13° 13'44			11182 Jan 18 06:58	0°	
	11176 Nov 25 00:19	0°			11182 Mar 05 11:48	0°	

	11182 Apr 16 22:35	0°♄	morning rise	11187 Feb 01 00:42	2°♊40'47	
	11182 May 26 21:10	0°♅	desc. node	11187 Feb 17 00:45	12°♊51'01	
evening set	11182 Jun 09 02:48	10°♅14'09		11187 Mar 16 08:19	0°♋	
asc. node	11182 Jun 24 12:15	22°♅16'46		11187 May 04 04:04	0°♌	
	11182 Jul 04 07:25	0°♍		11187 Jun 24 01:14	0°♎	
	11182 Aug 11 03:50	0°♏		11187 Aug 20 01:09	0°♐	
			retrograde	11187 Oct 22 11:17	17°♐54'30	
conjunction	11182 Aug 18 03:07	5°♏30'59 0°37'26	opposition	11187 Nov 24 16:47	11°♐30'17 -4°35'21	
minimum elong	11182 Aug 17 23:28	5°♏23'47 0°37'04	greatest brilliancy	11187 Nov 26 06:30	10°♐59'09 -2.4m	
	11182 Sep 18 08:21	0°♐	min. Earth dist.	11187 Dec 03 10:17	8°♐38'48 0.45258 AU	
max. Earth dist.	11182 Oct 05 17:25	13°♐23'14 2.37978 AU	direct	11187 Dec 30 21:06	3°♐41'50	
	11182 Oct 27 17:14	0°♑	asc. node	11188 Feb 14 23:55	16°♐24'26	
morning rise	11182 Oct 28 23:03	0°♑55'35		11188 Mar 10 12:18	0°♑	
	11182 Dec 07 23:48	0°♒		11188 Apr 24 03:20	0°♒	
	11183 Jan 20 19:14	0°♓		11188 Jun 04 05:47	0°♓	
	11183 Mar 08 23:20	0°♈		11188 Jul 15 02:58	0°♈	
	11183 May 01 02:21	0°♉		11188 Aug 26 02:41	0°♉	
desc. node	11183 May 15 18:02	7°♉10'54		11188 Oct 08 17:59	0°♊	
retrograde	11183 Jul 20 23:25	25°♉57'56		11188 Nov 23 01:20	0°♋	
opposition	11183 Aug 29 16:43	16°♉44'25 -3°22'11	evening set	11188 Dec 06 22:04	8°♋59'59	
greatest brilliancy	11183 Aug 30 00:12	16°♉37'04 -1.3m	desc. node	11189 Jan 03 18:14	26°♋53'16	
min. Earth dist.	11183 Sep 01 19:27	15°♉31'14 0.66666 AU		11189 Jan 08 15:12	0°♌	
direct	11183 Oct 10 06:50	6°♉41'25				
	11183 Dec 22 21:00	0°♍	conjunction	11189 Jan 22 04:27	8°♌37'47 -0°09'51	
	11184 Feb 11 15:45	0°♎	minimum elong	11189 Jan 22 04:09	8°♌37'18 0°09'17	
	11184 Mar 26 07:19	0°♏	behind sun begin	11189 Jan 21 12:43	8°♌12'47	
	11184 May 05 12:50	0°♐	behind sun end	11189 Jan 22 19:35	9°♌01'49	
asc. node	11184 May 11 12:37	4°♐36'26	max. Earth dist.	11189 Jan 26 11:04	11°♌20'50 2.67779 AU	
	11184 Jun 13 00:17	0°♑		11189 Feb 24 21:03	0°♋	
	11184 Jul 20 22:37	0°♒	morning rise	11189 Mar 06 23:35	6°♋24'04	
evening set	11184 Aug 23 04:17	26°♒00'43		11189 Apr 13 05:04	0°♌	
	11184 Aug 28 08:11	0°♈		11189 May 30 07:47	0°♍	
	11184 Oct 07 01:03	0°♉		11189 Jul 16 06:02	0°♎	
				11189 Sep 01 11:23	0°♏	
conjunction	11184 Oct 27 08:23	14°♑50'10 1°04'52		11189 Oct 20 22:45	0°♐	
minimum elong	11184 Oct 27 09:20	14°♑51'53 1°05'17	asc. node	11190 Jan 02 02:37	29°♐11'31	
	11184 Nov 17 15:18	0°♒	retrograde	11190 Jan 08 23:19	29°♐30'13	
max. Earth dist.	11184 Dec 05 12:20	12°♒25'57 2.51932 AU	opposition	11190 Feb 07 18:29	24°♐30'17 2°49'23	
morning rise	11184 Dec 22 13:26	24°♒02'35	min. Earth dist.	11190 Feb 06 17:32	24°♐46'48 0.36456 AU	
	11184 Dec 31 10:36	0°♓	greatest brilliancy	11190 Feb 07 13:40	24°♐33'29 -3.1m	
	11185 Feb 15 13:52	0°♈	direct	11190 Mar 09 00:35	19°♐38'39	
desc. node	11185 Apr 01 10:01	27°♈38'50		11190 Apr 20 06:43	0°♑	
	11185 Apr 05 08:38	0°♉		11190 Jun 14 09:16	0°♒	
	11185 May 28 12:53	0°♊		11190 Aug 01 02:43	0°♓	
	11185 Aug 12 02:14	0°♋		11190 Sep 17 02:51	0°♌	
retrograde	11185 Aug 29 02:54	1°♋36'43		11190 Nov 03 12:30	0°♍	
	11185 Sep 14 02:15	30°♋♌	desc. node	11190 Nov 21 17:47	11°♋27'37	
opposition	11185 Oct 05 12:32	23°♌24'20 -5°02'37		11190 Dec 21 06:29	0°♎	
greatest brilliancy	11185 Oct 06 16:53	22°♌57'35 -1.7m	evening set	11191 Jan 13 01:26	14°♎19'45	
min. Earth dist.	11185 Oct 12 08:19	20°♌50'10 0.58644 AU		11191 Feb 06 20:40	0°♏	
direct	11185 Nov 15 00:44	13°♌40'50	max. Earth dist.	11191 Feb 17 12:02	6°♏45'43 2.67489 AU	
	11186 Jan 10 10:17	0°♍				
	11186 Mar 01 19:19	0°♎	conjunction	11191 Feb 26 06:26	12°♏21'11 -0°46'53	
asc. node	11186 Mar 29 18:13	19°♎34'48	minimum elong	11191 Feb 26 05:21	12°♏19'27 0°46'36	
	11186 Apr 12 22:03	0°♏		11191 Mar 25 16:40	0°♐	
	11186 May 22 05:21	0°♐	morning rise	11191 Apr 10 20:51	10°♐32'01	
	11186 Jun 29 17:59	0°♑		11191 May 10 07:57	0°♒	
	11186 Aug 07 18:33	0°♒		11191 Jun 23 13:49	0°♓	
	11186 Sep 17 04:17	0°♈		11191 Aug 05 10:08	0°♉	
evening set	11186 Oct 24 09:17	26°♈28'07		11191 Sep 16 02:30	0°♊	
	11186 Oct 29 11:15	0°♉		11191 Oct 27 06:12	0°♋	
	11186 Dec 12 18:20	0°♋	asc. node	11191 Nov 20 01:20	17°♋07'09	
				11191 Dec 08 12:17	0°♌	
conjunction	11186 Dec 15 16:47	1°♋56'37 0°33'05		11192 Jan 26 08:31	0°♍	
minimum elong	11186 Dec 15 17:59	1°♋58'36 0°33'45	retrograde	11192 Mar 15 20:13	14°♍38'46	
max. Earth dist.	11187 Jan 03 18:12	14°♋27'05 2.62529 AU	min. Earth dist.	11192 Apr 12 12:20	9°♍19'06 0.46155 AU	
	11187 Jan 27 20:08	0°♌	greatest brilliancy	11192 Apr 19 07:06	6°♍57'04 -2.4m	

opposition	11192 Apr 20 23:28	6° \mathbb{M} 21'28	5°51'16		11197 Jun 03 07:57	0° \mathfrak{G}	
	11192 May 16 10:32	30° \mathbb{R} \mathfrak{A}		max. Earth dist.	11197 Jun 12 09:34	6° \mathfrak{G} 59'05	2.37707 AU
direct	11192 May 23 20:45	29° \mathfrak{A} 37'50		asc. node	11197 Jul 11 05:26	29° \mathfrak{G} 30'59	
	11192 May 31 10:31	0° \mathbb{M}			11197 Jul 11 20:10	0° \mathbb{Q}	
	11192 Aug 18 21:21	0° \mathfrak{A}					
desc. node	11192 Oct 08 22:51	28° \mathfrak{A} 31'43		conjunction	11197 Jul 18 07:37	5° \mathbb{Q} 06'42	0°05'11
	11192 Oct 11 11:35	0° \mathfrak{Z}		minimum elong	11197 Jul 18 07:06	5° \mathbb{Q} 05'41	0°04'36
	11192 Nov 30 21:49	0° \approx		behind sun begin	11197 Jul 17 02:21	4° \mathbb{Q} 08'56	
	11193 Jan 18 14:30	0° \mathfrak{H}		behind sun end	11197 Jul 19 11:50	6° \mathbb{Q} 02'26	
evening set	11193 Feb 16 16:22	18° \mathfrak{H} 26'24			11197 Aug 18 17:42	0° \mathbb{M}	
	11193 Mar 06 13:15	0° \mathbb{Y}			11197 Sep 25 21:47	0° \mathfrak{A}	
max. Earth dist.	11193 Mar 12 10:25	3° \mathbb{Y} 50'48	2.61765 AU	morning rise	11197 Sep 30 03:58	3° \mathfrak{A} 18'15	
					11197 Nov 04 05:09	0° \mathbb{M}	
conjunction	11193 Apr 02 21:52	18° \mathbb{Y} 04'35	-1°07'55		11197 Dec 15 11:04	0° \mathfrak{A}	
minimum elong	11193 Apr 02 21:21	18° \mathbb{Y} 03'44	1°08'04		11198 Jan 28 11:00	0° \mathfrak{Z}	
	11193 Apr 20 13:25	0° \mathfrak{B}			11198 Mar 17 13:50	0° \approx	
morning rise	11193 May 20 03:41	20° \mathfrak{B} 29'12			11198 May 14 10:13	0° \mathfrak{H}	
	11193 Jun 02 14:16	0° \mathbb{I}		desc. node	11198 Jun 01 09:40	6° \mathfrak{H} 50'59	
	11193 Jul 13 19:49	0° \mathfrak{G}		retrograde	11198 Jul 07 03:27	13° \mathfrak{H} 23'52	
	11193 Aug 22 15:22	0° \mathbb{Q}		opposition	11198 Aug 16 08:48	3° \mathfrak{H} 53'58	-2°31'02
	11193 Sep 30 15:36	0° \mathbb{M}		greatest brilliancy	11198 Aug 16 11:04	3° \mathfrak{H} 51'44	-1.3m
asc. node	11193 Oct 06 19:25	4° \mathbb{M} 45'09		min. Earth dist.	11198 Aug 17 23:24	3° \mathfrak{H} 15'54	0.68024 AU
	11193 Nov 08 18:01	0° \mathfrak{A}			11198 Aug 26 12:42	30° \mathbb{R} \approx	
	11193 Dec 19 07:01	0° \mathbb{M}		direct	11198 Sep 26 20:38	23° \approx 55'10	
	11194 Feb 01 19:25	0° \mathfrak{A}			11198 Oct 31 04:40	0° \mathfrak{H}	
	11194 Apr 04 06:21	0° \mathfrak{Z}			11199 Jan 03 03:47	0° \mathbb{Y}	
retrograde	11194 Apr 29 03:56	3° \mathfrak{Z} 52'36			11199 Feb 20 08:33	0° \mathfrak{B}	
	11194 May 22 15:54	30° \mathbb{R} \mathfrak{A}			11199 Apr 04 08:37	0° \mathbb{I}	
min. Earth dist.	11194 Jun 01 22:08	26° \mathfrak{A} 19'40	0.59100 AU		11199 May 14 09:45	0° \mathfrak{G}	
opposition	11194 Jun 07 19:16	24° \mathfrak{A} 01'09	3°00'55	asc. node	11199 May 29 05:15	11° \mathfrak{G} 27'56	
greatest brilliancy	11194 Jun 07 04:33	24° \mathfrak{A} 15'35	-1.7m		11199 Jun 21 19:36	0° \mathbb{Q}	
direct	11194 Jul 15 03:08	15° \mathfrak{A} 29'33		evening set	11199 Jul 24 22:19	26° \mathbb{Q} 14'45	
desc. node	11194 Aug 27 05:21	24° \mathfrak{A} 33'34			11199 Jul 29 16:07	0° \mathbb{M}	
	11194 Sep 09 21:58	0° \mathfrak{Z}			11199 Sep 05 22:27	0° \mathfrak{A}	
	11194 Nov 08 17:43	0° \approx					
	11194 Dec 30 06:15	0° \mathfrak{H}		conjunction	11199 Oct 03 12:01	21° \mathfrak{A} 03'39	1°05'06
	11195 Feb 16 01:56	0° \mathbb{Y}		minimum elong	11199 Oct 03 10:46	21° \mathfrak{A} 01'18	1°05'16
evening set	11195 Mar 27 15:00	26° \mathbb{Y} 18'15			11199 Oct 15 10:42	0° \mathbb{M}	
	11195 Apr 02 00:25	0° \mathfrak{B}		max. Earth dist.	11199 Nov 20 18:26	26° \mathbb{M} 24'16	2.46532 AU
max. Earth dist.	11195 Apr 11 11:56	6° \mathfrak{B} 33'30	2.50989 AU		11199 Nov 25 20:17	0° \mathfrak{A}	
	11195 May 14 11:08	0° \mathbb{I}		morning rise	11199 Dec 04 12:30	6° \mathfrak{A} 05'29	
					11200 Jan 08 13:14	0° \mathfrak{Z}	
conjunction	11195 May 17 05:57	2° \mathbb{I} 01'27	-0°57'49		11200 Feb 23 21:34	0° \approx	
minimum elong	11195 May 17 07:42	2° \mathbb{I} 04'37	0°58'21		11200 Apr 13 16:56	0° \mathfrak{H}	
	11195 Jun 23 20:43	0° \mathfrak{G}		desc. node	11200 Apr 18 02:21	2° \mathfrak{H} 30'30	
morning rise	11195 Jul 14 14:15	15° \mathfrak{G} 51'31			11200 Jun 10 03:55	0° \mathbb{Y}	
	11195 Aug 01 19:38	0° \mathbb{Q}		retrograde	11200 Aug 12 10:50	17° \mathbb{Y} 14'14	
asc. node	11195 Aug 24 10:25	17° \mathbb{Q} 42'59		opposition	11200 Sep 19 22:56	8° \mathbb{Y} 33'52	-4°30'54
	11195 Sep 09 01:25	0° \mathbb{M}		greatest brilliancy	11200 Sep 20 18:17	8° \mathbb{Y} 15'16	-1.5m
	11195 Oct 17 10:22	0° \mathfrak{A}		min. Earth dist.	11200 Sep 25 08:46	6° \mathbb{Y} 29'06	0.62557 AU
	11195 Nov 25 21:40	0° \mathbb{M}			11200 Oct 16 15:52	30° \mathbb{R} \mathfrak{H}	
	11196 Jan 06 15:01	0° \mathfrak{A}		direct	11200 Oct 31 03:40	28° \mathfrak{H} 36'08	
	11196 Feb 21 11:32	0° \mathfrak{Z}			11200 Nov 15 08:36	0° \mathbb{Y}	
	11196 Apr 18 13:47	0° \approx			11201 Jan 24 18:09	0° \mathfrak{B}	
retrograde	11196 Jun 03 00:26	10° \approx 36'50			11201 Mar 11 22:14	0° \mathbb{I}	
min. Earth dist.	11196 Jul 11 11:00	1° \approx 32'34	0.66809 AU	asc. node	11201 Apr 15 08:06	25° \mathbb{I} 00'05	
opposition	11196 Jul 13 15:40	0° \approx 40'08	0°01'40		11201 Apr 21 23:16	0° \mathfrak{G}	
greatest brilliancy	11196 Jul 13 15:41	0° \approx 40'07	-1.4m		11201 May 30 19:25	0° \mathbb{Q}	
desc. node	11196 Jul 14 10:17	0° \approx 21'37			11201 Jul 08 00:17	0° \mathbb{M}	
	11196 Jul 15 08:05	30° \mathbb{R} \mathfrak{Z}			11201 Aug 15 17:02	0° \mathfrak{A}	
direct	11196 Aug 22 19:54	21° \mathfrak{Z} 10'22			11201 Sep 24 18:11	0° \mathbb{M}	
	11196 Oct 04 17:10	0° \approx		evening set	11201 Oct 02 20:48	5° \mathbb{M} .54'52	
	11196 Dec 06 21:21	0° \mathfrak{H}			11201 Nov 05 16:46	0° \mathfrak{A}	
	11197 Jan 26 09:05	0° \mathbb{Y}					
	11197 Mar 12 23:41	0° \mathfrak{B}		conjunction	11201 Nov 28 08:01	15° \mathfrak{A} 36'07	0°48'22
	11197 Apr 24 08:00	0° \mathbb{I}		minimum elong	11201 Nov 28 09:40	15° \mathfrak{A} 38'54	0°48'58
evening set	11197 May 15 05:09	15° \mathbb{I} 28'58			11201 Dec 19 17:17	0° \mathfrak{Z}	

max. Earth dist.	11201 Dec 24 14:40	3° Z 14'57	2.58960 AU	greatest brilliancy	11207 Mar 26 10:31	12° A 26'16	-2.7m
morning rise	11202 Jan 17 07:40	18° Z 47'38		opposition	11207 Mar 28 02:00	11° A 55'08	6°03'54
	11202 Feb 03 17:19	0° \approx		direct	11207 Apr 27 19:36	6° A 10'05	
desc. node	11202 Mar 05 16:57	18° \approx 56'44			11207 Jul 09 11:48	0° M	
	11202 Mar 23 12:55	0° H			11207 Sep 01 01:55	0° J	
	11202 May 12 11:03	0° Y			11207 Oct 21 05:23	0° Z	
	11202 Jul 05 16:38	0° B		desc. node	11207 Oct 26 09:21	3° Z 07'55	
retrograde	11202 Sep 28 17:18	28° B 02'12			11207 Dec 09 07:33	0° \approx	
opposition	11202 Nov 02 20:37	20° B 48'21	-5°15'03		11208 Jan 26 11:17	0° H	
greatest brilliancy	11202 Nov 04 12:02	20° B 13'19	-2.1m	evening set	11208 Feb 03 16:43	5° H 12'07	
min. Earth dist.	11202 Nov 11 09:43	17° B 47'17	0.50855 AU	max. Earth dist.	11208 Mar 02 15:57	23° H 05'31	2.64651 AU
direct	11202 Dec 11 06:13	11° B 57'38			11208 Mar 13 07:34	0° Y	
	11203 Feb 06 19:23	0° II					
asc. node	11203 Mar 03 13:06	14° II 37'28		conjunction	11208 Mar 19 03:00	3° Y 47'29	-1°02'26
	11203 Mar 26 12:04	0° G		minimum elong	11208 Mar 19 02:04	3° Y 45'58	1°02'24
	11203 May 06 15:56	0° Q			11208 Apr 27 12:25	0° B	
	11203 Jun 15 06:09	0° M		morning rise	11208 May 03 08:19	3° B 57'28	
	11203 Jul 25 03:09	0° A			11208 Jun 09 22:35	0° II	
	11203 Sep 04 07:25	0° M			11208 Jul 21 16:16	0° G	
	11203 Oct 17 06:54	0° J			11208 Aug 31 00:44	0° Q	
evening set	11203 Nov 21 20:52	23° J 54'46			11208 Oct 09 14:05	0° M	
	11203 Dec 01 02:22	0° Z		asc. node	11208 Oct 23 13:36	10° M 37'18	
					11208 Nov 18 07:59	0° A	
conjunction	11204 Jan 08 21:38	25° Z 11'26	0°06'45		11208 Dec 30 01:34	0° M	
minimum elong	11204 Jan 08 21:54	25° Z 11'51	0°07'23		11209 Feb 16 17:31	0° J	
behind sun begin	11204 Jan 08 04:38	24° Z 44'09		retrograde	11209 Apr 13 11:09	17° J 07'55	
behind sun end	11204 Jan 09 15:10	25° Z 39'33		min. Earth dist.	11209 May 14 23:33	10° J 21'57	0.54498 AU
	11204 Jan 16 09:38	0° \approx		greatest brilliancy	11209 May 21 02:51	8° J 00'51	-1.9m
max. Earth dist.	11204 Jan 18 12:39	1° \approx 21'37	2.66370 AU	opposition	11209 May 22 03:56	7° J 36'46	4°14'11
desc. node	11204 Jan 21 10:01	3° \approx 12'28			11209 Jun 19 18:18	30° R M	
morning rise	11204 Feb 22 15:33	23° \approx 40'51		direct	11209 Jun 26 22:13	29° M 39'46	
	11204 Mar 03 15:45	0° H			11209 Jul 04 08:08	0° J	
	11204 Apr 20 09:41	0° Y		desc. node	11209 Sep 12 16:05	24° J 09'53	
	11204 Jun 07 13:04	0° B			11209 Sep 24 05:38	0° Z	
	11204 Jul 26 14:15	0° II			11209 Nov 17 13:37	0° \approx	
	11204 Sep 16 17:53	0° G			11210 Jan 06 16:00	0° H	
retrograde	11204 Dec 06 16:56	28° G 05'30			11210 Feb 23 01:13	0° Y	
opposition	11205 Jan 05 21:10	23° G 00'39	-0°58'20	evening set	11210 Mar 11 16:32	10° Y 55'28	
greatest brilliancy	11205 Jan 06 03:03	22° G 56'32	-3.0m	max. Earth dist.	11210 Mar 29 11:55	22° Y 51'20	2.55774 AU
min. Earth dist.	11205 Jan 10 13:44	21° G 42'29	0.37913 AU		11210 Apr 08 23:30	0° B	
asc. node	11205 Jan 18 18:26	19° G 37'57					
direct	11205 Feb 06 05:36	17° G 23'13		conjunction	11210 Apr 28 10:50	13° B 30'35	-1°06'53
	11205 Mar 24 04:08	0° Q		minimum elong	11210 Apr 28 11:34	13° B 31'52	1°07'19
	11205 May 14 07:39	0° M			11210 May 21 14:58	0° II	
	11205 Jun 28 02:01	0° A		morning rise	11210 Jun 20 03:25	21° II 38'22	
	11205 Aug 11 09:29	0° M			11210 Jul 01 07:27	0° G	
	11205 Sep 25 14:51	0° J			11210 Aug 09 13:06	0° Q	
	11205 Nov 10 23:38	0° Z		asc. node	11210 Sep 10 06:54	24° Q 44'21	
desc. node	11205 Dec 08 06:35	17° Z 23'27			11210 Sep 17 00:21	0° M	
	11205 Dec 28 04:04	0° \approx			11210 Oct 25 13:33	0° A	
evening set	11205 Dec 30 01:25	1° \approx 11'47			11210 Dec 04 05:54	0° M	
max. Earth dist.	11206 Feb 08 23:35	27° \approx 05'57	2.68256 AU		11211 Jan 15 12:07	0° J	
					11211 Mar 04 08:39	0° Z	
conjunction	11206 Feb 12 16:57	29° \approx 27'40	-0°33'53	retrograde	11211 May 21 14:04	27° Z 21'30	
minimum elong	11206 Feb 12 16:03	29° \approx 26'14	0°33'28	min. Earth dist.	11211 Jun 27 08:47	18° Z 49'01	0.64545 AU
	11206 Feb 13 13:20	0° H		opposition	11211 Jul 01 00:55	17° Z 21'24	1°08'04
morning rise	11206 Mar 28 00:11	27° H 06'18		greatest brilliancy	11211 Jun 30 21:31	17° Z 24'46	-1.5m
	11206 Apr 01 12:08	0° Y		desc. node	11211 Jul 31 21:44	8° Z 36'40	
	11206 May 17 14:11	0° B		direct	11211 Aug 09 07:12	8° Z 10'14	
	11206 Jul 01 14:47	0° II			11211 Oct 21 18:23	0° \approx	
	11206 Aug 14 14:17	0° G			11211 Dec 16 19:59	0° H	
	11206 Sep 26 19:41	0° Q			11212 Feb 03 22:51	0° Y	
	11206 Nov 09 07:59	0° M			11212 Mar 20 05:10	0° B	
asc. node	11206 Dec 06 18:27	17° M 55'23		evening set	11212 Apr 23 21:58	24° B 26'47	
	11206 Dec 27 04:24	0° A			11212 May 01 13:40	0° II	
retrograde	11207 Feb 22 11:01	18° A 50'19		max. Earth dist.	11212 May 09 01:06	5° II 28'47	2.42755 AU
min. Earth dist.	11207 Mar 20 08:44	14° A 20'13	0.40905 AU		11212 Jun 10 17:00	0° G	

conjunction	11212 Jun 20 14:14	7°☿35'14 -0°26'04			11217 May 21 16:03	0°♊	
minimum elong	11212 Jun 20 16:17	7°☿39'10 0°26'43			11217 Jul 22 04:29	0°♋	
	11212 Jul 19 08:52	0°♌		retrograde	11217 Sep 08 11:40	10°♋57'56	
asc. node	11212 Jul 27 23:40	6°♌46'47		opposition	11217 Oct 15 04:00	3°♋03'59 -5°13'53	
	11212 Aug 26 08:55	0°♍		greatest brilliancy	11217 Oct 16 13:04	2°♋33'16 -1.8m	
morning rise	11212 Aug 29 02:49	2°♍10'08		min. Earth dist.	11217 Oct 22 16:39	0°♋16'56 0.56076 AU	
	11212 Oct 03 13:52	0°♎			11217 Oct 23 11:26	30°♋♊	
	11212 Nov 11 20:57	0°♏		direct	11217 Nov 24 01:53	23°♊34'30	
	11212 Dec 23 03:58	0°♐			11217 Dec 27 01:44	0°♋	
	11213 Feb 05 12:50	0°♑			11218 Feb 22 09:31	0°♌	
	11213 Mar 27 07:04	0°♒		asc. node	11218 Mar 20 03:28	17°♌21'42	
	11213 Jun 10 18:06	0°♓			11218 Apr 06 17:37	0°♍	
desc. node	11213 Jun 17 23:12	0°♓47'29			11218 May 16 12:27	0°♎	
retrograde	11213 Jun 23 18:45	0°♓59'50			11218 Jun 24 07:58	0°♏	
	11213 Jul 06 04:30	30°♓♋			11218 Aug 02 14:03	0°♎	
opposition	11213 Aug 03 07:32	21°♋16'43 -1°35'27			11218 Sep 12 04:35	0°♏	
greatest brilliancy	11213 Aug 03 06:52	21°♋17'23 -1.3m			11218 Oct 24 15:50	0°♐	
min. Earth dist.	11213 Aug 03 10:04	21°♋14'12 0.68336 AU		evening set	11218 Nov 04 06:31	7°♐17'06	
direct	11213 Sep 13 11:26	11°♋26'12			11218 Dec 08 01:54	0°♑	
	11213 Nov 18 07:00	0°♒					
	11214 Jan 12 13:51	0°♊		conjunction	11218 Dec 24 19:14	10°♑59'30 0°23'32	
	11214 Feb 28 09:29	0°♋		minimum elong	11218 Dec 24 20:05	11°♑00'54 0°24'11	
	11214 Apr 12 00:49	0°♌		max. Earth dist.	11219 Jan 09 08:17	21°♑05'28 2.64122 AU	
	11214 May 22 00:25	0°♍			11219 Jan 23 04:34	0°♒	
asc. node	11214 Jun 14 20:04	18°♍30'21		desc. node	11219 Feb 07 01:36	9°♒29'48	
evening set	11214 Jun 24 19:27	26°♍21'04		morning rise	11219 Feb 09 00:42	10°♒44'39	
	11214 Jun 29 10:23	0°♎			11219 Mar 11 13:21	0°♓	
	11214 Aug 06 06:36	0°♏			11219 Apr 28 21:45	0°♊	
					11219 Jun 17 13:14	0°♋	
conjunction	11214 Sep 04 14:35	23°♏05'57 0°51'46			11219 Aug 09 09:23	0°♌	
minimum elong	11214 Sep 04 10:51	22°♏58'40 0°51'36			11219 Oct 22 17:51	0°♍	
	11214 Sep 13 11:19	0°♎		retrograde	11219 Nov 06 23:22	1°♍21'31	
	11214 Oct 22 20:34	0°♏			11219 Nov 21 14:18	30°♋♌	
max. Earth dist.	11214 Oct 28 01:41	3°♏52'32 2.40881 AU		opposition	11219 Dec 08 22:02	25°♌28'20 -3°42'30	
morning rise	11214 Nov 12 06:24	15°♏01'57		greatest brilliancy	11219 Dec 10 04:17	25°♌04'45 -2.6m	
	11214 Dec 03 03:08	0°♐		min. Earth dist.	11219 Dec 16 23:09	22°♌58'32 0.42219 AU	
	11215 Jan 15 19:56	0°♑		direct	11220 Jan 12 12:43	18°♌25'11	
	11215 Mar 03 13:47	0°♒		asc. node	11220 Feb 05 08:07	22°♌14'50	
	11215 Apr 24 01:12	0°♓			11220 Feb 24 23:08	0°♍	
desc. node	11215 May 05 19:16	6°♓13'05			11220 Apr 15 10:23	0°♎	
	11215 Jul 02 06:22	0°♊			11220 May 28 04:26	0°♏	
retrograde	11215 Jul 29 05:09	3°♊50'31			11220 Jul 08 23:10	0°♎	
	11215 Aug 22 22:59	30°♋♓			11220 Aug 20 13:25	0°♏	
opposition	11215 Sep 06 13:37	24°♓47'29 -3°49'33			11220 Oct 03 15:20	0°♐	
greatest brilliancy	11215 Sep 07 00:53	24°♓36'30 -1.4m			11220 Nov 18 05:54	0°♑	
min. Earth dist.	11215 Sep 10 11:40	23°♓15'52 0.65491 AU		evening set	11220 Dec 15 12:52	17°♑34'39	
direct	11215 Oct 18 02:33	14°♓44'36		desc. node	11220 Dec 24 20:50	23°♑32'36	
	11215 Dec 13 16:53	0°♊			11221 Jan 03 23:56	0°♒	
	11216 Feb 05 13:04	0°♋					
	11216 Mar 20 21:38	0°♌		conjunction	11221 Jan 30 01:45	16°♒33'53 -0°19'05	
	11216 Apr 30 09:13	0°♍		minimum elong	11221 Jan 30 01:11	16°♒32'59 0°18'34	
asc. node	11216 May 01 22:39	1°♍11'33		max. Earth dist.	11221 Jan 31 11:29	17°♒27'22 2.68192 AU	
	11216 Jun 07 23:09	0°♎			11221 Feb 20 06:15	0°♓	
	11216 Jul 15 23:04	0°♏		morning rise	11221 Mar 14 13:19	14°♓09'09	
	11216 Aug 23 10:15	0°♎			11221 Apr 08 10:24	0°♊	
evening set	11216 Sep 07 21:48	11°♎49'28			11221 May 25 03:15	0°♋	
	11216 Oct 02 04:51	0°♏			11221 Jul 10 06:15	0°♌	
					11221 Aug 25 00:04	0°♍	
conjunction	11216 Nov 08 17:47	27°♏05'38 1°00'28			11221 Oct 10 04:02	0°♎	
minimum elong	11216 Nov 08 19:19	27°♏08'19 1°00'59			11221 Nov 29 12:06	0°♏	
	11216 Nov 12 20:54	0°♐		asc. node	11221 Dec 23 12:04	11°♏08'54	
max. Earth dist.	11216 Dec 13 02:12	20°♐50'42 2.54643 AU		retrograde	11222 Jan 26 08:49	18°♏19'39	
	11216 Dec 26 16:47	0°♑		min. Earth dist.	11222 Feb 22 01:38	14°♏00'31 0.37183 AU	
morning rise	11217 Jan 01 09:01	3°♑46'41		greatest brilliancy	11222 Feb 25 10:47	13°♏04'19 -3.0m	
	11217 Feb 10 17:27	0°♒		opposition	11222 Feb 26 05:56	12°♏51'00 4°36'46	
desc. node	11217 Mar 22 10:36	24°♒46'31		direct	11222 Mar 27 13:09	7°♏53'36	
	11217 Mar 31 01:02	0°♓			11222 Jun 02 18:10	0°♎	

	11222 Jul 24 14:12	0°♌			11227 Jul 27 21:52	0°♏	
	11222 Sep 11 03:12	0°♊		morning rise	11227 Jul 30 05:00	1°♏47'53	
	11222 Oct 29 07:19	0°♊		asc. node	11227 Aug 14 18:06	14°♏00'15	
desc. node	11222 Nov 11 20:59	8°♊26'42			11227 Sep 04 01:11	0°♐	
	11222 Dec 16 11:09	0°♐		greatest brilliancy	11227 Sep 17 06:46	10°♐25'00	1.2m
evening set	11223 Jan 20 22:48	22°♐14'42			11227 Oct 12 08:02	0°♑	
	11223 Feb 02 05:32	0°♋			11227 Nov 20 16:33	0°♌	
max. Earth dist.	11223 Feb 22 13:52	12°♋56'36	2.66713 AU		11228 Jan 01 03:53	0°♊	
					11228 Feb 15 05:57	0°♊	
conjunction	11223 Mar 06 02:21	20°♋19'46	-0°53'27		11228 Apr 08 06:12	0°♐	
minimum elong	11223 Mar 06 01:15	20°♋18'01	0°53'15	retrograde	11228 Jun 10 14:10	18°♐27'39	
	11223 Mar 21 01:26	0°♑		desc. node	11228 Jul 04 13:39	14°♐41'54	
morning rise	11223 Apr 19 02:06	19°♑02'03		min. Earth dist.	11228 Jul 19 20:50	9°♐07'44	0.67632 AU
	11223 May 05 12:56	0°♉		opposition	11228 Jul 21 06:02	8°♐34'43	-0°35'27
	11223 Jun 18 11:24	0°♐		greatest brilliancy	11228 Jul 21 05:03	8°♐35'42	-1.3m
	11223 Jul 30 21:31	0°♑			11228 Aug 17 20:42	30°♑♊	
	11223 Sep 10 00:43	0°♏		direct	11228 Aug 30 20:27	28°♊56'33	
	11223 Oct 20 11:11	0°♐			11228 Sep 13 13:02	0°♐	
asc. node	11223 Nov 10 09:30	15°♐27'53			11228 Nov 30 04:55	0°♋	
	11223 Nov 30 10:34	0°♑			11229 Jan 21 00:27	0°♑	
	11224 Jan 14 00:36	0°♌			11229 Mar 08 00:45	0°♉	
retrograde	11224 Mar 26 21:28	27°♌40'18			11229 Apr 19 11:52	0°♐	
min. Earth dist.	11224 Apr 24 22:36	21°♌48'50	0.49182 AU	evening set	11229 May 28 18:01	29°♐25'04	
greatest brilliancy	11224 May 01 14:58	19°♌22'31	-2.2m		11229 May 29 12:14	0°♑	
opposition	11224 May 03 02:54	18°♌49'30	5°22'06	asc. node	11229 Jul 01 13:39	25°♑43'23	
direct	11224 Jun 06 01:29	11°♌37'03			11229 Jul 06 23:53	0°♏	
	11224 Aug 08 22:01	0°♊					
desc. node	11224 Sep 29 02:12	26°♊36'35		conjunction	11229 Aug 04 09:13	22°♏28'55	0°24'04
	11224 Oct 05 03:15	0°♊		minimum elong	11229 Aug 04 06:40	22°♏23'52	0°23'35
	11224 Nov 25 15:51	0°♐			11229 Aug 13 20:48	0°♐	
	11225 Jan 13 19:12	0°♋		max. Earth dist.	11229 Aug 17 19:22	3°♐07'13	2.36419 AU
evening set	11225 Feb 24 20:28	26°♋43'13			11229 Sep 21 00:36	0°♑	
	11225 Mar 01 21:36	0°♑		morning rise	11229 Oct 16 20:53	19°♑52'03	
max. Earth dist.	11225 Mar 18 07:42	10°♑47'04	2.59838 AU		11229 Oct 30 07:37	0°♌	
					11229 Dec 10 12:15	0°♊	
conjunction	11225 Apr 11 18:37	27°♑11'43	-1°09'08		11230 Jan 23 07:27	0°♊	
minimum elong	11225 Apr 11 18:28	27°♑11'28	1°09'23		11230 Mar 11 17:35	0°♐	
	11225 Apr 15 21:24	0°♉			11230 May 05 05:06	0°♋	
	11225 May 28 18:59	0°♐		desc. node	11230 May 22 11:09	7°♋51'14	
morning rise	11225 May 30 13:50	1°♐16'44		retrograde	11230 Jul 14 23:25	21°♋03'32	
	11225 Jul 08 19:55	0°♑		opposition	11230 Aug 23 22:42	11°♋42'07	-3°01'36
	11225 Aug 17 10:14	0°♏		greatest brilliancy	11230 Aug 24 03:37	11°♋37'17	-1.3m
	11225 Sep 25 05:15	0°♐		min. Earth dist.	11230 Aug 26 08:54	10°♋44'56	0.67399 AU
asc. node	11225 Sep 27 01:21	1°♐25'33		direct	11230 Oct 04 12:46	1°♋40'31	
	11225 Nov 03 01:49	0°♑			11230 Dec 27 03:07	0°♑	
	11225 Dec 13 04:27	0°♌			11231 Feb 14 18:20	0°♉	
	11226 Jan 25 12:31	0°♊			11231 Mar 30 04:11	0°♐	
	11226 Mar 19 05:35	0°♊			11231 May 09 08:48	0°♑	
retrograde	11226 May 07 12:44	13°♊05'03		asc. node	11231 May 19 12:36	7°♑49'59	
min. Earth dist.	11226 Jun 11 10:27	5°♊09'32	0.61285 AU		11231 Jun 16 19:57	0°♏	
opposition	11226 Jun 16 13:19	3°♊08'10	2°18'45	greatest brilliancy	11231 Jul 08 13:03	17°♏11'11	1.2m
greatest brilliancy	11226 Jun 16 03:31	3°♊17'51	-1.6m		11231 Jul 24 17:23	0°♐	
	11226 Jun 24 19:43	30°♑♊		evening set	11231 Aug 11 04:53	13°♐46'08	
direct	11226 Jul 24 15:40	24°♊20'54			11231 Sep 01 01:00	0°♑	
desc. node	11226 Aug 17 09:26	27°♊24'58			11231 Oct 10 14:44	0°♌	
	11226 Aug 26 18:47	0°♊					
	11226 Nov 02 04:43	0°♐		conjunction	11231 Oct 18 00:26	5°♌28'16	1°06'19
	11226 Dec 24 23:49	0°♋		minimum elong	11231 Oct 18 00:37	5°♌28'37	1°06'39
	11227 Feb 11 05:44	0°♑			11231 Nov 21 01:31	0°♊	
	11227 Mar 28 07:27	0°♉		max. Earth dist.	11231 Nov 30 06:14	6°♊26'58	2.49588 AU
evening set	11227 Apr 06 07:09	6°♉12'49		morning rise	11231 Dec 15 14:59	17°♊03'48	
max. Earth dist.	11227 Apr 20 06:35	16°♉01'33	2.48147 AU		11232 Jan 03 18:09	0°♊	
	11227 May 09 17:47	0°♐			11232 Feb 18 21:43	0°♐	
					11232 Apr 07 23:56	0°♋	
conjunction	11227 May 29 00:14	14°♐10'01	-0°48'57	desc. node	11232 Apr 08 03:36	0°♋05'23	
minimum elong	11227 May 29 02:26	14°♐14'06	0°49'33		11232 Jun 01 12:06	0°♑	
	11227 Jun 19 01:31	0°♑		retrograde	11232 Aug 21 16:37	25°♑45'46	

opposition	11232 Sep 28 15:07	17° Υ 19'53	-4°50'32			11237 Nov 05 23:35	0° Ξ	
greatest brilliancy	11232 Sep 29 15:25	16° Υ 56'44	-1.6m	desc. node		11237 Nov 28 08:47	14° Ξ 10'24	
min. Earth dist.	11232 Oct 04 19:56	14° Υ 58'23	0.60518 AU			11237 Dec 23 10:51	0° \approx	
direct	11232 Nov 08 12:02	7° Υ 28'40		evening set		11238 Jan 07 02:55	9° \approx 14'58	
	11233 Jan 16 11:15	0° \mathcal{B}				11238 Feb 08 22:41	0° \mathcal{H}	
	11233 Mar 05 17:01	0° Π		max. Earth dist.		11238 Feb 14 00:06	3° \mathcal{H} 12'40	2.67938 AU
asc. node	11233 Apr 05 17:36	22° Π 06'28						
	11233 Apr 16 08:15	0° \mathcal{E}		conjunction		11238 Feb 20 11:12	7° \mathcal{H} 19'13	-0°41'47
	11233 May 25 10:25	0° Ω		minimum elong		11238 Feb 20 10:11	7° \mathcal{H} 17'35	0°41'27
	11233 Jul 02 18:56	0° \mathcal{M}				11238 Mar 27 20:16	0° Υ	
	11233 Aug 10 15:06	0° \mathcal{L}		morning rise		11238 Apr 04 20:41	5° Υ 11'29	
	11233 Sep 19 19:41	0° \mathcal{M}				11238 May 12 16:45	0° \mathcal{B}	
evening set	11233 Oct 15 10:51	18° \mathcal{M} 26'47				11238 Jun 26 07:02	0° Π	
	11233 Oct 31 21:32	0° \mathcal{A}				11238 Aug 08 15:01	0° \mathcal{E}	
						11238 Sep 19 21:52	0° Ω	
conjunction	11233 Dec 08 10:48	25° \mathcal{A} 37'07	0°39'45			11238 Oct 31 21:14	0° \mathcal{M}	
minimum elong	11233 Dec 08 12:14	25° \mathcal{A} 39'31	0°40'23	asc. node		11238 Nov 27 02:27	18° \mathcal{M} 17'37	
	11233 Dec 15 00:23	0° Ξ				11238 Dec 14 16:07	0° \mathcal{L}	
max. Earth dist.	11233 Dec 30 16:01	10° Ξ 20'14	2.61046 AU			11239 Feb 09 23:38	0° \mathcal{M}	
morning rise	11234 Jan 25 20:08	27° Ξ 19'30		retrograde		11239 Mar 07 15:01	4° \mathcal{M} 28'30	
	11234 Jan 30 00:13	0° \approx				11239 Apr 01 22:15	30° \mathcal{R} \mathcal{L}	
desc. node	11234 Feb 23 18:15	15° \approx 43'17		min. Earth dist.		11239 Apr 03 08:17	29° \mathcal{L} 32'49	0.43717 AU
	11234 Mar 18 14:21	0° \mathcal{H}		greatest brilliancy		11239 Apr 09 23:09	27° \mathcal{L} 20'08	-2.5m
	11234 May 06 19:35	0° Υ		opposition		11239 Apr 11 16:59	26° \mathcal{L} 44'47	6°05'36
	11234 Jun 27 20:23	0° \mathcal{B}		direct		11239 May 13 16:01	20° \mathcal{L} 26'48	
	11234 Aug 29 04:28	0° Π				11239 Jun 25 00:27	0° \mathcal{M}	
retrograde	11234 Oct 11 13:54	9° Π 19'35				11239 Aug 24 15:13	0° \mathcal{A}	
opposition	11234 Nov 14 17:17	2° Π 31'59	-4°58'33			11239 Oct 15 11:55	0° Ξ	
greatest brilliancy	11234 Nov 16 09:12	1° Π 57'48	-2.2m	desc. node		11239 Oct 16 13:24	0° Ξ 37'51	
	11234 Nov 22 03:19	30° \mathcal{R} \mathcal{B}				11239 Dec 04 07:07	0° \approx	
min. Earth dist.	11234 Nov 23 13:02	29° \mathcal{B} 32'01	0.47779 AU			11240 Jan 21 18:08	0° \mathcal{H}	
direct	11234 Dec 22 00:38	24° \mathcal{B} 12'24		evening set		11240 Feb 11 15:42	13° \mathcal{H} 13'36	
	11235 Jan 21 03:48	0° Π		max. Earth dist.		11240 Mar 08 05:08	29° \mathcal{H} 41'29	2.63158 AU
asc. node	11235 Feb 21 23:55	15° Π 06'38				11240 Mar 08 16:31	0° Υ	
	11235 Mar 18 03:11	0° \mathcal{E}						
	11235 Apr 29 20:42	0° Ω		conjunction		11240 Mar 27 10:56	12° Υ 19'21	-1°06'09
	11235 Jun 09 03:47	0° \mathcal{M}		minimum elong		11240 Mar 27 10:13	12° Υ 18'10	1°06'13
	11235 Jul 19 11:59	0° \mathcal{L}				11240 Apr 22 19:45	0° \mathcal{B}	
	11235 Aug 30 01:00	0° \mathcal{M}		morning rise		11240 May 12 16:17	13° \mathcal{B} 36'53	
	11235 Oct 12 07:28	0° \mathcal{A}				11240 Jun 05 01:37	0° Π	
	11235 Nov 26 08:10	0° Ξ				11240 Jul 16 13:19	0° \mathcal{E}	
evening set	11235 Dec 01 04:34	3° Ξ 10'17				11240 Aug 25 14:56	0° Ω	
desc. node	11236 Jan 11 10:42	29° Ξ 47'56				11240 Oct 03 20:34	0° \mathcal{M}	
	11236 Jan 11 18:15	0° \approx		asc. node		11240 Oct 13 21:21	7° \mathcal{M} 41'37	
						11240 Nov 12 04:28	0° \mathcal{L}	
conjunction	11236 Jan 17 03:45	3° \approx 26'46	-0°03'06			11240 Dec 23 01:54	0° \mathcal{M}	
minimum elong	11236 Jan 17 03:38	3° \approx 26'35	0°02'31			11241 Feb 06 17:13	0° \mathcal{A}	
behind sun begin	11236 Jan 16 08:56	2° \approx 56'45		retrograde		11241 Apr 22 13:43	27° \mathcal{A} 24'57	
behind sun end	11236 Jan 17 22:20	3° \approx 56'24		min. Earth dist.		11241 May 25 08:42	20° \mathcal{A} 12'33	0.57135 AU
max. Earth dist.	11236 Jan 23 17:11	7° \approx 37'44	2.67261 AU	opposition		11241 May 31 20:55	17° \mathcal{A} 40'38	3°32'07
	11236 Feb 27 23:38	0° \mathcal{H}		greatest brilliancy		11241 May 31 01:53	17° \mathcal{A} 59'09	-1.8m
morning rise	11236 Mar 01 07:16	1° \mathcal{H} 27'58		direct		11241 Jul 07 13:08	9° \mathcal{A} 23'37	
	11236 Apr 15 11:41	0° Υ		desc. node		11241 Sep 02 20:18	24° \mathcal{A} 13'55	
	11236 Jun 02 00:24	0° \mathcal{B}				11241 Sep 15 15:36	0° Ξ	
	11236 Jul 19 18:00	0° Π				11241 Nov 11 17:39	0° \approx	
	11236 Sep 06 14:54	0° \mathcal{E}				11242 Jan 01 15:18	0° \mathcal{H}	
	11236 Oct 30 23:32	0° Ω				11242 Feb 18 07:25	0° Υ	
retrograde	11236 Dec 25 11:06	15° Ω 46'15		evening set		11242 Mar 20 14:38	20° Υ 01'10	
asc. node	11237 Jan 09 03:10	14° Ω 24'07				11242 Apr 04 07:05	0° \mathcal{B}	
opposition	11237 Jan 24 01:42	10° Ω 52'46	1°10'07	max. Earth dist.		11242 Apr 05 17:11	0° \mathcal{B} 58'32	2.53198 AU
greatest brilliancy	11237 Jan 24 02:34	10° Ω 52'12	-3.1m					
min. Earth dist.	11237 Jan 25 18:28	10° Ω 25'46	0.36671 AU	conjunction		11242 May 08 19:44	24° \mathcal{B} 12'21	-1°02'37
direct	11237 Feb 22 21:56	5° Ω 49'24		minimum elong		11242 May 08 21:02	24° \mathcal{B} 14'41	1°03'08
	11237 May 02 14:28	0° \mathcal{M}				11242 May 16 20:58	0° Π	
	11237 Jun 20 03:47	0° \mathcal{L}				11242 Jun 26 10:33	0° \mathcal{E}	
	11237 Aug 05 00:51	0° \mathcal{M}		morning rise		11242 Jul 03 10:13	5° \mathcal{E} 17'30	
	11237 Sep 20 02:38	0° \mathcal{A}				11242 Aug 04 13:02	0° Ω	

asc. node	11242 Aug 31 12:22	21°Ω04'40		opposition	11247 Sep 14 16:12	3°Υ03'23	-4°14'28
	11242 Sep 11 21:16	0°♊		greatest brilliancy	11247 Sep 15 07:47	2°Υ48'18	-1.4m
	11242 Oct 20 07:40	0°♊		min. Earth dist.	11247 Sep 19 09:58	1°Υ13'23	0.64001 AU
	11242 Nov 28 19:54	0°♊			11247 Sep 22 15:29	30°♊	
	11243 Jan 09 16:00	0°♊		direct	11247 Oct 26 01:38	23°♊02'34	
	11243 Feb 25 01:47	0°♊			11247 Nov 30 23:39	0°Υ	
	11243 Apr 27 22:57	0°♊			11248 Jan 29 21:01	0°♊	
retrograde	11243 May 29 07:10	5°♊31'45			11248 Mar 15 05:50	0°♊	
	11243 Jun 27 08:30	30°♊3		asc. node	11248 Apr 22 07:54	27°♊55'22	
min. Earth dist.	11243 Jul 06 00:42	26°♊41'27	0.65918 AU		11248 Apr 25 01:40	0°♊	
opposition	11243 Jul 08 21:37	25°♊32'54	0°28'41		11248 Jun 02 19:25	0°♊	
greatest brilliancy	11243 Jul 08 20:33	25°♊33'57	-1.4m		11248 Jul 10 21:43	0°♊	
desc. node	11243 Jul 22 01:35	20°♊39'47			11248 Aug 18 11:11	0°♊	
direct	11243 Aug 17 17:21	16°♊10'57		evening set	11248 Sep 22 10:42	26°♊23'07	
	11243 Oct 12 08:13	0°♊			11248 Sep 27 08:12	0°♊	
	11243 Dec 10 22:43	0°♊			11248 Nov 08 02:16	0°♊	
	11244 Jan 29 21:10	0°Υ					
	11244 Mar 15 09:43	0°♊		conjunction	11248 Nov 20 04:10	8°♊24'22	0°54'00
	11244 Apr 26 19:20	0°♊		minimum elong	11248 Nov 20 05:52	8°♊27'19	0°54'36
evening set	11244 May 05 13:28	6°♊25'29		max. Earth dist.	11248 Dec 20 00:08	28°♊41'18	2.57119 AU
max. Earth dist.	11244 May 24 12:30	20°♊35'05	2.39807 AU		11248 Dec 21 23:14	0°♊	
	11244 Jun 05 21:44	0°♊		morning rise	11249 Jan 10 15:33	13°♊00'40	
					11249 Feb 05 21:58	0°♊	
conjunction	11244 Jul 05 17:04	23°♊05'54	-0°09'04	desc. node	11249 Mar 12 10:21	21°♊43'15	
minimum elong	11244 Jul 05 18:00	23°♊07'43	0°09'42		11249 Mar 25 21:03	0°♊	
behind sun begin	11244 Jul 04 18:50	22°♊22'23			11249 May 15 09:18	0°Υ	
behind sun end	11244 Jul 06 17:10	23°♊53'04			11249 Jul 10 18:51	0°♊	
	11244 Jul 14 12:02	0°♊		retrograde	11249 Sep 19 12:49	20°♊51'39	
asc. node	11244 Jul 18 06:28	2°♊58'06		opposition	11249 Oct 25 10:20	13°♊18'39	-5°17'44
	11244 Aug 21 10:32	0°♊		greatest brilliancy	11249 Oct 26 23:30	12°♊44'54	-1.9m
morning rise	11244 Sep 16 08:18	20°♊25'37		min. Earth dist.	11249 Nov 02 14:40	10°♊21'22	0.53272 AU
	11244 Sep 28 14:26	0°♊		direct	11249 Dec 03 14:31	4°♊08'06	
	11244 Nov 06 20:37	0°♊			11250 Feb 13 16:23	0°♊	
	11244 Dec 18 01:14	0°♊		asc. node	11250 Mar 10 12:47	15°♊46'23	
	11245 Jan 31 02:33	0°♊			11250 Mar 31 00:28	0°♊	
	11245 Mar 20 16:22	0°♊			11250 May 10 11:59	0°♊	
	11245 May 20 22:01	0°♊			11250 Jun 18 16:33	0°♊	
desc. node	11245 Jun 08 02:04	5°♊36'33			11250 Jul 28 05:30	0°♊	
retrograde	11245 Jul 01 09:09	8°♊36'22			11250 Sep 07 02:12	0°♊	
	11245 Aug 08 05:46	30°♊			11250 Oct 19 18:39	0°♊	
opposition	11245 Aug 10 18:36	29°♊00'02	-2°08'37	evening set	11250 Nov 14 12:06	17°♊27'32	
greatest brilliancy	11245 Aug 10 19:15	28°♊59'24	-1.3m		11250 Dec 03 08:40	0°♊	
min. Earth dist.	11245 Aug 11 16:47	28°♊38'07	0.68300 AU				
direct	11245 Sep 21 04:01	19°♊04'33		conjunction	11251 Jan 02 13:08	19°♊42'38	0°13'44
	11245 Nov 08 02:10	0°♊		minimum elong	11251 Jan 02 13:38	19°♊43'27	0°14'23
	11246 Jan 06 12:14	0°Υ		behind sun begin	11251 Jan 02 05:15	19°♊29'54	
	11246 Feb 23 03:46	0°♊		behind sun end	11251 Jan 02 22:01	19°♊56'59	
	11246 Apr 07 01:21	0°♊		max. Earth dist.	11251 Jan 14 17:20	27°♊33'22	2.65465 AU
	11246 May 17 02:51	0°♊			11251 Jan 18 12:45	0°♊	
asc. node	11246 Jun 05 05:31	14°♊48'46		desc. node	11251 Jan 28 02:47	6°♊07'42	
	11246 Jun 24 13:11	0°♊		morning rise	11251 Feb 16 21:06	18°♊41'17	
evening set	11246 Jul 11 11:23	13°♊24'30			11251 Mar 06 19:12	0°♊	
	11246 Aug 01 09:18	0°♊			11251 Apr 23 18:40	0°Υ	
	11246 Sep 08 14:10	0°♊			11251 Jun 11 11:46	0°♊	
					11251 Jul 31 20:39	0°♊	
conjunction	11246 Sep 21 08:07	9°♊50'00	1°01'15		11251 Sep 26 07:01	0°♊	
minimum elong	11246 Sep 21 05:38	9°♊45'15	1°01'18	retrograde	11251 Nov 23 15:59	16°♊13'06	
	11246 Oct 17 23:55	0°♊		opposition	11251 Dec 24 13:18	10°♊48'54	-2°21'02
max. Earth dist.	11246 Nov 12 03:48	18°♊28'24	2.44000 AU	greatest brilliancy	11251 Dec 25 06:36	10°♊36'11	-2.8m
morning rise	11246 Nov 25 07:44	27°♊54'30		min. Earth dist.	11251 Dec 31 02:20	8°♊54'13	0.39590 AU
	11246 Nov 28 06:32	0°♊		direct	11252 Jan 26 08:47	4°♊34'05	
	11247 Jan 10 21:40	0°♊		asc. node	11252 Jan 26 18:35	4°♊34'10	
	11247 Feb 26 07:40	0°♊			11252 Apr 04 08:33	0°♊	
	11247 Apr 17 15:17	0°♊			11252 May 20 06:19	0°♊	
desc. node	11247 Apr 25 19:53	4°♊33'39			11252 Jul 02 08:59	0°♊	
	11247 Jun 16 23:22	0°Υ			11252 Aug 14 18:37	0°♊	
retrograde	11247 Aug 06 18:13	11°Υ54'37			11252 Sep 28 09:25	0°♊	

	11252 Nov 13 08:46	0°♄			11257 Jul 03 22:31	0°♄	
desc. node	11252 Dec 14 22:44	20°♄13'24			11257 Aug 12 08:26	0°♄	
evening set	11252 Dec 23 21:48	25°♄55'32		asc. node	11257 Sep 17 08:56	27°♄59'11	
	11252 Dec 30 07:46	0°♄			11257 Sep 19 22:53	0°♄	
max. Earth dist.	11253 Feb 05 11:20	23°♄32'55	2.68332 AU		11257 Oct 28 14:25	0°♄	
					11257 Dec 07 09:27	0°♄	
conjunction	11253 Feb 06 21:24	24°♄26'56	-0°27'57		11258 Jan 18 22:24	0°♄	
minimum elong	11253 Feb 06 20:37	24°♄25'41	0°27'30		11258 Mar 09 01:58	0°♄	
	11253 Feb 15 15:25	0°♄		retrograde	11258 May 15 15:22	21°♄52'46	
morning rise	11253 Mar 22 05:10	22°♄00'33		min. Earth dist.	11258 Jun 20 14:53	13°♄36'23	0.63218 AU
	11253 Apr 03 16:41	0°♄		opposition	11258 Jun 24 23:05	11°♄53'06	1°37'07
	11253 May 20 01:10	0°♄		greatest brilliancy	11258 Jun 24 17:19	11°♄58'49	-1.5m
	11253 Jul 04 12:59	0°♄		direct	11258 Aug 02 18:21	2°♄51'51	
	11253 Aug 18 05:19	0°♄		desc. node	11258 Aug 07 13:32	3°♄00'05	
	11253 Oct 01 11:53	0°♄			11258 Oct 25 23:39	0°♄	
	11253 Nov 15 22:28	0°♄			11258 Dec 19 13:19	0°♄	
asc. node	11253 Dec 13 19:54	16°♄40'54			11259 Feb 06 08:15	0°♄	
	11254 Jan 10 20:25	0°♄			11259 Mar 23 13:55	0°♄	
retrograde	11254 Feb 11 06:32	6°♄26'15		evening set	11259 Apr 16 13:02	16°♄43'20	
min. Earth dist.	11254 Mar 09 01:03	2°♄08'27	0.38956 AU	max. Earth dist.	11259 Apr 30 12:39	26°♄44'20	2.45193 AU
greatest brilliancy	11254 Mar 14 05:30	0°♄36'40	-2.8m		11259 May 05 00:33	0°♄	
opposition	11254 Mar 15 14:23	0°♄12'16	5°42'29				
	11254 Mar 16 06:59	30°♄8'00		conjunction	11259 Jun 10 19:07	27°♄20'58	-0°37'05
direct	11254 Apr 14 11:43	24°♄52'01		minimum elong	11259 Jun 10 21:27	27°♄25'23	0°37'43
	11254 May 13 22:31	0°♄			11259 Jun 14 06:48	0°♄	
	11254 Jul 15 22:26	0°♄			11259 Jul 23 01:18	0°♄	
	11254 Sep 04 19:17	0°♄		asc. node	11259 Aug 05 01:49	10°♄14'05	
	11254 Oct 23 23:15	0°♄		morning rise	11259 Aug 16 03:24	18°♄57'44	
desc. node	11254 Nov 02 00:26	5°♄33'41			11259 Aug 30 02:49	0°♄	
	11254 Dec 11 14:42	0°♄			11259 Oct 07 07:58	0°♄	
evening set	11255 Jan 28 18:52	0°♄07'09			11259 Nov 15 14:31	0°♄	
	11255 Jan 28 14:20	0°♄			11259 Dec 26 21:16	0°♄	
max. Earth dist.	11255 Feb 27 18:03	19°♄12'12	2.65673 AU		11260 Feb 09 09:58	0°♄	
					11260 Mar 31 01:54	0°♄	
conjunction	11255 Mar 14 00:43	28°♄25'14	-0°59'06	retrograde	11260 Jun 18 03:01	26°♄11'02	
minimum elong	11255 Mar 13 23:42	28°♄23'35	0°59'00	desc. node	11260 Jun 24 15:32	25°♄54'33	
	11255 Mar 16 11:05	0°♄		opposition	11260 Jul 28 18:17	16°♄22'58	-1°11'16
morning rise	11255 Apr 27 14:51	27°♄51'03		min. Earth dist.	11260 Jul 28 04:28	16°♄36'40	0.68154 AU
	11255 Apr 30 19:30	0°♄		greatest brilliancy	11260 Jul 28 17:04	16°♄24'10	-1.3m
	11255 Jun 13 11:46	0°♄		direct	11260 Sep 07 17:25	6°♄37'33	
	11255 Jul 25 12:57	0°♄			11260 Nov 22 18:19	0°♄	
	11255 Sep 04 05:37	0°♄			11261 Jan 15 11:29	0°♄	
	11255 Oct 14 03:08	0°♄			11261 Mar 03 00:06	0°♄	
asc. node	11255 Oct 31 15:19	13°♄09'57			11261 Apr 14 14:58	0°♄	
	11255 Nov 23 07:07	0°♄			11261 May 24 15:50	0°♄	
	11256 Jan 04 20:35	0°♄		evening set	11261 Jun 12 11:19	14°♄33'50	
	11256 Feb 26 14:25	0°♄		asc. node	11261 Jun 21 21:04	21°♄55'43	
retrograde	11256 Apr 06 02:45	9°♄34'06			11261 Jul 02 03:06	0°♄	
min. Earth dist.	11256 May 06 13:36	3°♄11'48	0.52196 AU		11261 Aug 08 23:33	0°♄	
greatest brilliancy	11256 May 13 00:13	0°♄46'18	-2.0m				
opposition	11256 May 14 06:17	0°♄17'56	4°44'50	conjunction	11261 Aug 21 23:28	10°♄16'53	0°41'14
	11256 May 15 01:24	30°♄39'38		minimum elong	11261 Aug 21 19:39	10°♄09'21	0°40'54
direct	11256 Jun 18 05:42	22°♄39'38			11261 Sep 16 03:14	0°♄	
	11256 Jul 25 18:23	0°♄		max. Earth dist.	11261 Oct 11 04:16	19°♄15'12	2.38496 AU
desc. node	11256 Sep 19 07:11	25°♄13'44			11261 Oct 25 10:31	0°♄	
	11256 Sep 28 06:33	0°♄		morning rise	11261 Nov 01 07:05	5°♄06'19	
	11256 Nov 20 06:26	0°♄			11261 Dec 05 14:40	0°♄	
	11257 Jan 08 22:55	0°♄			11262 Jan 18 06:29	0°♄	
	11257 Feb 25 06:09	0°♄			11262 Mar 06 04:04	0°♄	
evening set	11257 Mar 05 04:27	5°♄10'40			11262 Apr 27 12:58	0°♄	
max. Earth dist.	11257 Mar 24 13:30	18°♄01'13	2.57693 AU	desc. node	11262 May 12 12:25	7°♄33'30	
	11257 Apr 11 06:14	0°♄		retrograde	11262 Jul 23 00:02	28°♄49'44	
				opposition	11262 Aug 31 15:55	19°♄37'53	-3°30'19
conjunction	11257 Apr 21 00:31	6°♄42'41	-1°08'36	greatest brilliancy	11262 Sep 01 00:08	19°♄29'51	-1.3m
minimum elong	11257 Apr 21 00:51	6°♄43'15	1°08'57	min. Earth dist.	11262 Sep 03 21:46	18°♄21'47	0.66478 AU
	11257 May 24 01:33	0°♄		direct	11262 Oct 12 06:32	9°♄35'01	
morning rise	11257 Jun 10 18:57	12°♄51'11			11262 Dec 19 01:25	0°♄	

	11263 Feb 08 21:26	0°♄		minimum elong	11268 Jan 25 03:14	11°♊28'22	0°12'02
	11263 Mar 24 21:11	0°♅		behind sun begin	11268 Jan 24 14:50	11°♊08'41	
	11263 May 04 06:31	0°♄		behind sun end	11268 Jan 25 15:37	11°♊48'02	
asc. node	11263 May 09 22:20	4°♄20'23		max. Earth dist.	11268 Jan 28 19:09	13°♊48'00	2.67882 AU
	11263 Jun 11 19:38	0°♅			11268 Feb 23 08:17	0°♄	
	11263 Jul 19 18:10	0°♄		morning rise	11268 Mar 08 20:53	9°♄12'09	
evening set	11263 Aug 27 18:15	0°♄29'35			11268 Apr 10 15:45	0°♄	
	11263 Aug 27 02:55	0°♄			11268 May 27 16:55	0°♄	
	11263 Oct 05 18:13	0°♄			11268 Jul 13 11:28	0°♅	
					11268 Aug 29 08:26	0°♄	
conjunction	11263 Oct 31 07:16	18°♄38'23	1°03'57		11268 Oct 16 20:18	0°♅	
minimum elong	11263 Oct 31 08:24	18°♄40'26	1°04'25		11268 Dec 17 03:03	0°♄	
	11263 Nov 16 06:25	0°♄		asc. node	11268 Dec 30 12:19	3°♄17'20	
max. Earth dist.	11263 Dec 08 12:26	15°♄28'04	2.52464 AU	retrograde	11269 Jan 12 20:22	4°♄28'21	
morning rise	11263 Dec 25 23:21	27°♄19'11			11269 Feb 09 15:30	30°♄	
	11263 Dec 29 23:18	0°♄		min. Earth dist.	11269 Feb 10 04:00	29°♄51'41	0.36481 AU
	11264 Feb 13 23:24	0°♄		opposition	11269 Feb 11 20:06	29°♄24'52	3°18'03
desc. node	11264 Mar 29 04:28	27°♄23'34		greatest brilliancy	11269 Feb 11 12:46	29°♄29'46	-3.1m
	11264 Apr 02 12:37	0°♄		direct	11269 Mar 13 02:11	24°♄34'02	
	11264 May 25 02:01	0°♄			11269 Apr 11 16:50	0°♄	
	11264 Aug 01 07:54	0°♄			11269 Jun 10 14:34	0°♄	
retrograde	11264 Aug 31 12:21	4°♄44'28			11269 Jul 29 01:25	0°♄	
	11264 Sep 28 05:21	30°♄			11269 Sep 14 07:56	0°♄	
opposition	11264 Oct 07 19:35	26°♄35'13	-5°05'45		11269 Oct 31 20:36	0°♄	
greatest brilliancy	11264 Oct 09 00:51	26°♄07'41	-1.7m	desc. node	11269 Nov 18 12:11	11°♄04'55	
min. Earth dist.	11264 Oct 14 18:45	23°♄58'34	0.58176 AU		11269 Dec 18 16:23	0°♄	
direct	11264 Nov 17 05:22	16°♄54'25		evening set	11270 Jan 15 01:25	17°♄11'56	
	11265 Jan 05 18:42	0°♄			11270 Feb 04 07:54	0°♄	
	11265 Feb 26 21:18	0°♅		max. Earth dist.	11270 Feb 19 00:15	9°♄19'38	2.67368 AU
asc. node	11265 Mar 27 03:29	19°♅34'17					
	11265 Apr 10 10:02	0°♄		conjunction	11270 Feb 28 05:30	15°♄12'43	-0°48'55
	11265 May 19 21:19	0°♅		minimum elong	11270 Feb 28 04:25	15°♄10'59	0°48'41
	11265 Jun 27 11:20	0°♄			11270 Mar 23 04:58	0°♄	
	11265 Aug 05 11:48	0°♄		morning rise	11270 Apr 12 21:01	13°♄28'08	
	11265 Sep 14 20:31	0°♄			11270 May 07 20:57	0°♄	
evening set	11265 Oct 26 23:37	29°♄55'56			11270 Jun 21 02:58	0°♅	
	11265 Oct 27 01:58	0°♄			11270 Aug 02 22:45	0°♄	
	11265 Dec 10 07:25	0°♄			11270 Sep 13 13:34	0°♅	
					11270 Oct 24 13:36	0°♄	
conjunction	11265 Dec 17 22:19	5°♄02'39	0°30'27	asc. node	11270 Nov 17 11:07	17°♄19'00	
minimum elong	11265 Dec 17 23:26	5°♄04'30	0°31'07		11270 Dec 05 10:06	0°♄	
max. Earth dist.	11266 Jan 05 10:43	17°♄10'13	2.62844 AU		11271 Jan 21 14:04	0°♄	
	11266 Jan 25 07:34	0°♄		retrograde	11271 Mar 19 11:38	18°♄35'07	
morning rise	11266 Feb 03 00:48	5°♄34'34		min. Earth dist.	11271 Apr 16 11:06	13°♄08'54	0.46707 AU
desc. node	11266 Feb 13 18:50	12°♄24'47		greatest brilliancy	11271 Apr 23 04:51	10°♄46'02	-2.3m
	11266 Mar 13 17:41	0°♄		opposition	11271 Apr 24 20:34	10°♄10'39	5°46'08
	11266 May 01 09:38	0°♄		direct	11271 May 27 21:35	3°♄21'34	
	11266 Jun 20 21:26	0°♄			11271 Aug 15 23:54	0°♄	
	11266 Aug 15 10:07	0°♅		desc. node	11271 Oct 06 16:53	28°♄25'30	
retrograde	11266 Oct 25 21:43	21°♅45'49			11271 Oct 09 10:27	0°♄	
opposition	11266 Nov 27 20:05	15°♅27'50	-4°23'51		11271 Nov 29 03:39	0°♄	
greatest brilliancy	11266 Nov 29 08:35	14°♅58'03	-2.4m		11272 Jan 17 00:08	0°♄	
min. Earth dist.	11266 Dec 06 11:07	12°♅39'44	0.44631 AU	evening set	11272 Feb 19 16:51	21°♄21'25	
direct	11267 Jan 02 18:39	7°♅47'40			11272 Mar 04 01:37	0°♄	
asc. node	11267 Feb 12 08:11	17°♅58'05		max. Earth dist.	11272 Mar 13 21:18	6°♄25'14	2.61424 AU
	11267 Mar 07 09:03	0°♄					
	11267 Apr 22 02:59	0°♅		conjunction	11272 Apr 05 00:55	21°♄07'43	-1°08'28
	11267 Jun 02 13:27	0°♄		minimum elong	11272 Apr 05 00:31	21°♄07'02	1°08'39
	11267 Jul 13 13:49	0°♄			11272 Apr 18 03:51	0°♄	
	11267 Aug 24 14:44	0°♄		morning rise	11272 May 22 13:08	23°♄49'43	
	11267 Oct 07 06:10	0°♄			11272 May 31 06:08	0°♅	
	11267 Nov 21 13:15	0°♄			11272 Jul 11 12:29	0°♄	
evening set	11267 Dec 10 01:20	12°♄00'01			11272 Aug 20 08:15	0°♅	
desc. node	11268 Jan 01 13:00	26°♄26'23			11272 Sep 28 07:52	0°♄	
	11268 Jan 07 02:46	0°♄		asc. node	11272 Oct 04 03:36	4°♄29'55	
					11272 Nov 06 08:22	0°♄	
conjunction	11268 Jan 25 03:37	11°♄28'58	-0°12'35		11272 Dec 16 16:41	0°♄	

	11273 Jan 29 16:11	0°♊			11277 Oct 23 04:50	0°♋		
	11273 Mar 27 19:40	0°♌			11277 Dec 30 22:25	0°♍		
retrograde	11273 May 01 05:37	7°♍02'08			11278 Feb 17 17:08	0°♎		
	11273 Jun 02 17:38	30°♋♊			11278 Apr 01 23:03	0°♏		
min. Earth dist.	11273 Jun 04 05:22	29°♊25'32	0.59533 AU		11278 May 12 03:12	0°♐		
opposition	11273 Jun 09 23:58	27°♊09'32	2°49'29	asc. node	11278 May 26 12:43	11°♑07'05		
greatest brilliancy	11273 Jun 09 10:30	27°♊22'44	-1.7m		11278 Jun 19 14:31	0°♒		
direct	11273 Jul 17 12:24	18°♊34'55			11278 Jul 27 11:24	0°♓		
desc. node	11273 Aug 24 00:16	25°♊41'03		evening set	11278 Jul 28 19:02	1°♐02'35		
	11273 Sep 04 18:46	0°♌			11278 Sep 03 17:10	0°♑		
	11273 Nov 05 12:41	0°♍						
	11273 Dec 27 11:53	0°♋		conjunction	11278 Oct 06 20:56	25°♑17'43	1°05'47	
	11274 Feb 13 12:58	0°♍		minimum elong	11278 Oct 06 20:06	25°♑16'08	1°06'01	
evening set	11274 Mar 29 21:26	29°♍29'50			11278 Oct 13 04:05	0°♒		
	11274 Mar 30 15:03	0°♎		max. Earth dist.	11278 Nov 23 02:53	29°♒44'34	2.47137 AU	
max. Earth dist.	11274 Apr 13 14:23	9°♎40'06	2.50477 AU		11278 Nov 23 11:36	0°♏		
	11274 May 12 04:16	0°♏		morning rise	11278 Dec 07 04:12	9°♏36'15		
					11279 Jan 06 01:47	0°♌		
conjunction	11274 May 19 20:51	5°♏35'50	-0°55'52		11279 Feb 21 06:02	0°♍		
minimum elong	11274 May 19 22:42	5°♏39'14	0°56'26		11279 Apr 11 17:16	0°♋		
	11274 Jun 21 15:24	0°♐		desc. node	11279 Apr 15 21:05	2°♋24'03		
morning rise	11274 Jul 17 21:58	20°♐07'36			11279 Jun 06 22:39	0°♍		
	11274 Jul 30 14:58	0°♑		retrograde	11279 Aug 15 15:03	20°♍11'31		
asc. node	11274 Aug 21 19:39	17°♑23'12		opposition	11279 Sep 23 01:17	11°♍33'26	-4°36'30	
	11274 Sep 06 20:30	0°♐		greatest brilliancy	11279 Sep 23 21:37	11°♍13'55	-1.5m	
	11274 Oct 15 04:16	0°♑		min. Earth dist.	11279 Sep 28 14:43	9°♍25'35	0.62200 AU	
	11274 Nov 23 13:11	0°♒		direct	11279 Nov 03 05:14	1°♍36'52		
	11275 Jan 04 02:01	0°♏			11280 Jan 22 10:12	0°♎		
	11275 Feb 18 12:29	0°♌			11280 Mar 09 07:07	0°♏		
	11275 Apr 14 16:29	0°♍		asc. node	11280 Apr 12 16:48	24°♏50'08		
retrograde	11275 Jun 05 22:13	13°♍29'45			11280 Apr 19 13:56	0°♐		
desc. node	11275 Jul 12 05:06	5°♍18'10			11280 May 28 12:24	0°♑		
min. Earth dist.	11275 Jul 14 13:10	4°♍22'45	0.66993 AU		11280 Jul 05 17:49	0°♐		
opposition	11275 Jul 16 14:33	3°♍33'41	-0°09'28		11280 Aug 13 10:02	0°♑		
greatest brilliancy	11275 Jul 16 14:16	3°♍33'58	-1.4m		11280 Sep 22 10:02	0°♒		
	11275 Jul 25 21:10	30°♋♌		evening set	11280 Oct 05 21:39	9°♒49'10		
direct	11275 Aug 25 21:44	24°♌02'17			11280 Nov 03 07:05	0°♏		
	11275 Sep 29 06:11	0°♍						
	11275 Dec 04 15:21	0°♋		conjunction	11280 Nov 30 19:54	18°♏57'27	0°46'05	
	11276 Jan 24 15:55	0°♍		minimum elong	11280 Nov 30 21:30	19°♏00'11	0°46'44	
	11276 Mar 10 12:33	0°♎			11280 Dec 17 05:53	0°♌		
	11276 Apr 22 00:35	0°♏		max. Earth dist.	11280 Dec 26 08:21	6°♌02'41	2.59403 AU	
evening set	11276 May 18 04:36	19°♏24'47		morning rise	11281 Jan 19 10:59	21°♌49'02		
	11276 Jun 01 02:53	0°♐			11281 Feb 01 03:56	0°♍		
max. Earth dist.	11276 Jun 19 20:02	14°♐27'05	2.37319 AU	desc. node	11281 Mar 02 11:41	18°♍34'28		
asc. node	11276 Jul 08 14:49	29°♐09'49			11281 Mar 20 20:35	0°♋		
	11276 Jul 09 16:18	0°♑			11281 May 09 12:36	0°♍		
					11281 Jul 01 23:40	0°♎		
conjunction	11276 Jul 21 23:33	9°♑42'50	0°09'42		11281 Sep 15 15:02	0°♏		
minimum elong	11276 Jul 21 22:34	9°♑40'54	0°09'07	retrograde	11281 Oct 01 12:23	1°♏27'09		
behind sun begin	11276 Jul 20 21:29	8°♑51'17			11281 Oct 16 17:58	30°♋♌		
behind sun end	11276 Jul 22 23:39	10°♑30'31		opposition	11281 Nov 05 11:51	24°♎18'00	-5°11'22	
	11276 Aug 16 13:57	0°♐		greatest brilliancy	11281 Nov 07 03:34	23°♎43'00	-2.1m	
	11276 Sep 23 17:07	0°♑		min. Earth dist.	11281 Nov 14 03:51	21°♎15'47	0.50290 AU	
morning rise	11276 Oct 03 21:41	7°♑54'00		direct	11281 Dec 13 18:26	15°♎32'29		
	11276 Nov 01 22:36	0°♒			11282 Feb 02 05:20	0°♏		
	11276 Dec 13 01:34	0°♏		asc. node	11282 Feb 28 23:41	15°♏10'12		
	11277 Jan 25 20:56	0°♌			11282 Mar 23 13:08	0°♐		
	11277 Mar 14 14:30	0°♍			11282 May 04 02:06	0°♑		
	11277 May 09 21:47	0°♋			11282 Jun 12 19:24	0°♐		
desc. node	11277 May 29 03:47	7°♋52'55			11282 Jul 22 17:09	0°♑		
retrograde	11277 Jul 09 02:13	16°♋13'26			11282 Sep 01 21:02	0°♒		
opposition	11277 Aug 18 06:57	6°♋44'52	-2°40'18		11282 Oct 14 19:39	0°♏		
greatest brilliancy	11277 Aug 18 09:42	6°♋42'10	-1.3m	evening set	11282 Nov 24 05:11	27°♏07'01		
min. Earth dist.	11277 Aug 20 00:55	6°♋03'34	0.67928 AU		11282 Nov 28 14:13	0°♌		
	11277 Sep 06 05:39	30°♋♍						
direct	11277 Sep 28 20:10	26°♍45'34		conjunction	11283 Jan 11 00:04	28°♌10'02	0°03'53	

minimum elong	11283 Jan 11 00:13	28° Z 10'16	0°04'31		11287 Nov 16 19:32	0° L	
behind sun begin	11283 Jan 10 05:42	27° Z 40'36			11287 Dec 28 05:02	0° M	
behind sun end	11283 Jan 11 18:44	28° Z 39'57			11288 Feb 13 14:09	0° J	
	11283 Jan 13 20:41	0° \approx		retrograde	11288 Apr 15 16:10	20° J 30'04	
desc. node	11283 Jan 18 03:24	2° \approx 44'20		min. Earth dist.	11288 May 17 10:36	13° J 39'42	0.55007 AU
max. Earth dist.	11283 Jan 19 23:25	3° \approx 54'40	2.66569 AU	opposition	11288 May 24 13:04	10° J 56'03	4°03'42
morning rise	11283 Feb 24 14:24	26° \approx 32'14		greatest brilliancy	11288 May 23 13:19	11° J 18'53	-1.9m
	11283 Mar 02 01:59	0° H		direct	11288 Jun 29 12:19	2° J 55'13	
	11283 Apr 18 18:23	0° Y		desc. node	11288 Sep 09 11:26	24° J 34'48	
	11283 Jun 05 18:18	0° B			11288 Sep 20 12:24	0° Z	
	11283 Jul 24 11:23	0° II			11288 Nov 14 14:47	0° \approx	
	11283 Sep 13 15:09	0° E			11289 Jan 03 23:57	0° H	
	11283 Nov 20 12:15	0° Q			11289 Feb 20 13:05	0° Y	
retrograde	11283 Dec 11 17:21	2° Q 42'17		evening set	11289 Mar 13 20:20	13° Y 59'14	
	11284 Jan 01 20:51	30° R E		max. Earth dist.	11289 Mar 31 07:31	25° Y 43'21	2.55289 AU
opposition	11284 Jan 10 17:37	27° E 40'52	-0°29'22		11289 Apr 06 14:06	0° B	
greatest brilliancy	11284 Jan 10 20:26	27° E 38'56	-3.0m				
min. Earth dist.	11284 Jan 14 22:24	26° E 31'57	0.37608 AU	conjunction	11289 Apr 30 21:05	16° B 52'03	-1°06'01
asc. node	11284 Jan 17 03:44	25° E 56'20		minimum elong	11289 Apr 30 21:58	16° B 53'35	1°06'28
direct	11284 Feb 10 16:36	22° E 11'18			11289 May 19 07:32	0° II	
	11284 Mar 17 00:23	0° Q		morning rise	11289 Jun 23 02:40	25° II 32'38	
	11284 May 10 17:26	0° M			11289 Jun 29 01:18	0° E	
	11284 Jun 25 03:06	0° L			11289 Aug 07 07:36	0° Q	
	11284 Aug 08 16:06	0° M		asc. node	11289 Sep 07 14:56	24° Q 23'51	
	11284 Sep 22 23:41	0° J			11289 Sep 14 18:47	0° M	
	11284 Nov 08 09:23	0° Z			11289 Oct 23 06:54	0° L	
desc. node	11284 Dec 05 00:29	16° Z 57'46			11289 Dec 01 20:38	0° M	
	11284 Dec 25 14:24	0° \approx			11290 Jan 12 21:01	0° J	
evening set	11285 Jan 01 02:20	4° \approx 06'32			11290 Mar 01 00:58	0° Z	
max. Earth dist.	11285 Feb 10 11:54	29° \approx 40'19	2.68227 AU		11290 May 17 01:33	0° \approx	
	11285 Feb 11 00:19	0° H		retrograde	11290 May 23 11:47	0° \approx 16'06	
					11290 May 29 19:16	30° R Z	
conjunction	11285 Feb 14 15:53	2° H 18'57	-0°36'18	min. Earth dist.	11290 Jun 29 11:35	21° Z 40'29	0.64829 AU
minimum elong	11285 Feb 14 14:56	2° H 17'27	0°35'55	opposition	11290 Jul 03 00:28	20° Z 16'14	0°56'42
morning rise	11285 Mar 29 23:00	29° H 58'52		greatest brilliancy	11290 Jul 02 21:46	20° Z 18'54	-1.5m
	11285 Mar 29 23:42	0° Y		desc. node	11290 Jul 28 17:19	12° Z 14'00	
	11285 May 15 01:51	0° B		direct	11290 Aug 11 10:29	11° Z 02'52	
	11285 Jun 29 01:40	0° II			11290 Oct 17 17:06	0° \approx	
	11285 Aug 11 23:01	0° E			11290 Dec 13 21:23	0° H	
	11285 Sep 24 00:03	0° Q			11291 Feb 01 08:45	0° Y	
	11285 Nov 06 02:26	0° M			11291 Mar 18 19:37	0° B	
asc. node	11285 Dec 04 03:36	18° M 41'27		evening set	11291 Apr 27 12:32	27° B 59'24	
	11285 Dec 22 12:09	0° L			11291 Apr 30 06:57	0° II	
retrograde	11286 Feb 25 14:57	23° L 19'30		max. Earth dist.	11291 May 12 20:47	9° II 13'43	2.42159 AU
min. Earth dist.	11286 Mar 23 14:45	18° L 44'40	0.41419 AU		11291 Jun 09 11:56	0° E	
greatest brilliancy	11286 Mar 29 19:41	16° L 46'44	-2.6m				
opposition	11286 Mar 31 11:59	16° L 14'24	6°08'07	conjunction	11291 Jun 24 21:09	11° E 49'20	-0°22'08
direct	11286 May 01 12:34	10° L 22'53		minimum elong	11291 Jun 24 23:00	11° E 52'56	0°22'47
	11286 Jul 04 22:40	0° M			11291 Jul 18 04:30	0° Q	
	11286 Aug 28 21:00	0° J		asc. node	11291 Jul 26 07:56	6° Q 24'21	
	11286 Oct 18 09:18	0° Z			11291 Aug 25 04:23	0° M	
desc. node	11286 Oct 23 04:25	2° Z 53'43		morning rise	11291 Sep 03 04:02	7° M 06'04	
	11286 Dec 06 15:24	0° \approx			11291 Oct 02 08:20	0° L	
	11287 Jan 23 21:37	0° H			11291 Nov 10 13:34	0° M	
evening set	11287 Feb 05 16:32	8° H 04'57			11291 Dec 21 17:33	0° J	
max. Earth dist.	11287 Mar 05 03:33	25° H 40'06	2.64387 AU		11292 Feb 03 20:51	0° Z	
	11287 Mar 11 19:52	0° Y			11292 Mar 24 01:04	0° \approx	
					11292 May 30 09:01	0° H	
conjunction	11287 Mar 22 04:07	6° Y 45'08	-1°03'40	desc. node	11292 Jun 14 18:37	3° H 05'14	
minimum elong	11287 Mar 22 03:15	6° Y 43'43	1°03'41	retrograde	11292 Jun 25 16:03	3° H 47'43	
	11287 Apr 26 02:20	0° B			11292 Jul 20 00:08	30° R \approx	
morning rise	11287 May 06 13:30	7° B 06'36		opposition	11292 Aug 05 05:08	24° \approx 05'43	-1°45'26
	11287 Jun 08 13:44	0° II		greatest brilliancy	11292 Aug 05 04:37	24° \approx 06'14	-1.3m
	11287 Jul 20 08:05	0° E		min. Earth dist.	11292 Aug 05 11:08	23° \approx 59'47	0.68371 AU
	11287 Aug 29 16:33	0° Q		direct	11292 Sep 15 11:08	14° \approx 14'18	
	11287 Oct 08 04:47	0° M			11292 Nov 14 01:00	0° H	
asc. node	11287 Oct 21 23:27	10° M 29'37			11293 Jan 09 16:18	0° Y	

	11293 Feb 25 21:22	0°♄		minimum elong	11297 Dec 27 00:13	14°♄04'09	0°21'26
	11293 Apr 09 17:26	0°♂		max. Earth dist.	11298 Jan 10 23:03	23°♄45'58	2.64390 AU
	11293 May 19 19:36	0°♅			11298 Jan 20 15:33	0°♁	
asc. node	11293 Jun 12 06:03	18°♅10'39		desc. node	11298 Feb 03 19:46	9°♁03'51	
	11293 Jun 27 06:42	0°♄		morning rise	11298 Feb 11 00:32	13°♁38'24	
evening set	11293 Jun 28 08:22	0°♄50'41			11298 Mar 08 22:35	0°♄	
	11293 Aug 04 02:50	0°♆			11298 Apr 26 04:05	0°♂	
					11298 Jun 14 13:09	0°♄	
conjunction	11293 Sep 08 09:18	27°♆45'28	0°54'31		11298 Aug 05 14:55	0°♂	
minimum elong	11293 Sep 08 05:46	27°♆38'36	0°54'23		11298 Oct 09 22:22	0°♅	
	11293 Sep 11 06:28	0°♁		retrograde	11298 Nov 10 11:30	5°♅25'17	
	11293 Oct 20 13:53	0°♂			11298 Dec 11 00:27	30°♄♂	
max. Earth dist.	11293 Nov 01 08:06	8°♂43'36	2.41456 AU	opposition	11298 Dec 12 05:48	29°♂37'28	-3°25'07
morning rise	11293 Nov 15 09:24	18°♂59'40		greatest brilliancy	11298 Dec 13 09:25	29°♂16'05	-2.6m
	11293 Nov 30 17:58	0°♄		min. Earth dist.	11298 Dec 20 00:34	27°♂13'49	0.41690 AU
	11294 Jan 13 07:28	0°♄		direct	11299 Jan 15 12:37	22°♂42'54	
	11294 Feb 28 20:01	0°♁		asc. node	11299 Feb 02 18:37	25°♂01'22	
	11294 Apr 20 18:41	0°♄			11299 Feb 18 02:48	0°♅	
desc. node	11294 May 02 13:36	6°♄21'27			11299 Apr 13 00:02	0°♄	
	11294 Jun 24 16:16	0°♂			11299 May 26 07:52	0°♆	
retrograde	11294 Jul 31 06:43	6°♂43'22			11299 Jul 07 07:27	0°♁	
	11294 Sep 02 13:19	30°♄♄			11299 Aug 18 23:29	0°♂	
opposition	11294 Sep 08 13:45	27°♄42'19	-3°56'48		11299 Oct 02 01:56	0°♄	
greatest brilliancy	11294 Sep 09 01:52	27°♄30'33	-1.4m		11299 Nov 16 16:32	0°♄	
min. Earth dist.	11294 Sep 12 15:35	26°♄07'19	0.65245 AU	evening set	11299 Dec 18 15:11	20°♄33'20	
direct	11294 Oct 20 02:52	17°♄39'56		desc. node	11299 Dec 22 14:56	23°♄06'14	
	11294 Dec 09 01:01	0°♂			11300 Jan 02 10:32	0°♁	
	11295 Feb 02 15:08	0°♄					
	11295 Mar 19 09:55	0°♂		conjunction	11300 Feb 02 01:05	19°♁26'17	-0°21'45
	11295 Apr 29 01:59	0°♅		minimum elong	11300 Feb 02 00:26	19°♁25'17	0°21'16
asc. node	11295 Apr 30 07:54	0°♅57'00		max. Earth dist.	11300 Feb 02 19:48	19°♁55'58	2.68236 AU
	11295 Jun 06 17:57	0°♄			11300 Feb 18 16:50	0°♄	
	11295 Jul 14 18:25	0°♆		morning rise	11300 Mar 17 11:48	17°♄00'48	
	11295 Aug 22 05:00	0°♁			11300 Apr 06 20:40	0°♂	
evening set	11295 Sep 12 06:13	16°♁03'16			11300 May 23 12:26	0°♄	
	11295 Sep 30 22:07	0°♂			11300 Jul 08 12:53	0°♂	
	11295 Nov 11 12:06	0°♄			11300 Aug 23 01:32	0°♅	
					11300 Oct 07 18:08	0°♄	
conjunction	11295 Nov 12 11:52	0°♄41'45	0°58'55		11300 Nov 25 10:54	0°♆	
minimum elong	11295 Nov 12 13:28	0°♄44'35	0°59'28	asc. node	11300 Dec 21 20:58	13°♆23'47	
max. Earth dist.	11295 Dec 15 22:43	23°♄45'10	2.55117 AU	retrograde	11301 Jan 30 23:21	23°♆11'11	
	11295 Dec 25 05:33	0°♄		min. Earth dist.	11301 Feb 26 08:44	18°♆54'25	0.37466 AU
morning rise	11296 Jan 04 16:21	6°♄57'14		greatest brilliancy	11301 Mar 02 04:04	17°♆50'37	-3.0m
	11296 Feb 09 03:19	0°♁		opposition	11301 Mar 03 02:24	17°♆34'58	4°56'35
desc. node	11296 Mar 19 04:11	24°♁26'52		direct	11301 Apr 01 09:32	12°♆34'12	
	11296 Mar 28 06:26	0°♄			11301 May 29 18:57	0°♁	
	11296 May 18 11:07	0°♂			11301 Jul 22 06:49	0°♂	
	11296 Jul 16 21:49	0°♄			11301 Sep 09 06:02	0°♄	
retrograde	11296 Sep 10 22:44	14°♄09'20			11301 Oct 27 14:17	0°♄	
opposition	11296 Oct 17 12:49	6°♄19'04	-5°15'06	desc. node	11301 Nov 09 15:32	8°♄06'16	
greatest brilliancy	11296 Oct 18 22:50	5°♄47'40	-1.8m		11301 Dec 14 20:21	0°♁	
min. Earth dist.	11296 Oct 25 05:47	3°♄29'01	0.55564 AU	evening set	11302 Jan 23 21:55	25°♁05'43	
	11296 Nov 04 21:58	30°♄♂			11302 Jan 31 16:26	0°♄	
direct	11296 Nov 26 08:35	26°♂52'52		max. Earth dist.	11302 Feb 25 02:00	15°♄30'54	2.66529 AU
	11296 Dec 18 16:57	0°♄					
	11297 Feb 19 04:28	0°♂		conjunction	11302 Mar 09 01:35	23°♄12'28	-0°55'14
asc. node	11297 Mar 17 12:41	17°♂29'05		minimum elong	11302 Mar 09 00:30	23°♄10'44	0°55'05
	11297 Apr 04 02:37	0°♅			11302 Mar 19 13:44	0°♂	
	11297 May 14 02:16	0°♄		morning rise	11302 Apr 22 03:50	22°♂02'21	
	11297 Jun 21 23:29	0°♆			11302 May 04 02:11	0°♄	
	11297 Jul 31 05:43	0°♁			11302 Jun 17 00:57	0°♂	
	11297 Sep 09 19:31	0°♂			11302 Jul 29 10:39	0°♅	
	11297 Oct 22 05:37	0°♄			11302 Sep 08 12:37	0°♄	
evening set	11297 Nov 06 18:06	10°♄38'32			11302 Oct 18 20:28	0°♆	
	11297 Dec 05 14:18	0°♄		asc. node	11302 Nov 08 16:59	15°♄28'59	
					11302 Nov 28 13:52	0°♁	
conjunction	11297 Dec 26 23:27	14°♄02'54	0°20'45		11303 Jan 11 09:33	0°♂	

	11303 Mar 17 07:19	0°♊			11308 Apr 18 04:40	0°♊	
retrograde	11303 Mar 31 08:06	1°♊24'00			11308 May 28 07:15	0°♊	
	11303 Apr 14 01:20	30°♊		evening set	11308 Jun 01 22:29	3°♊33'31	
min. Earth dist.	11303 Apr 29 16:46	25°♊26'35	0.49784 AU	asc. node	11308 Jun 29 21:52	25°♊20'16	
greatest brilliancy	11303 May 06 08:39	22°♊59'40	-2.1m		11308 Jul 05 19:58	0°♊	
opposition	11303 May 07 19:29	22°♊27'32	5°13'54				
direct	11303 Jun 10 22:33	15°♊09'57		conjunction	11308 Aug 09 05:12	27°♊13'59	0°28'25
	11303 Aug 06 02:35	0°♊		minimum elong	11308 Aug 09 02:13	27°♊08'05	0°27'56
desc. node	11303 Sep 27 21:53	26°♊39'52			11308 Aug 12 16:58	0°♊	
	11303 Oct 03 22:25	0°♊		max. Earth dist.	11308 Sep 06 17:20	19°♊45'00	2.36634 AU
	11303 Nov 24 20:35	0°♊			11308 Sep 19 19:59	0°♊	
	11304 Jan 13 04:32	0°♊		morning rise	11308 Oct 21 10:08	24°♊15'13	
evening set	11304 Feb 28 20:43	29°♊38'19			11308 Oct 29 01:23	0°♊	
	11304 Feb 29 10:04	0°♊			11308 Dec 09 03:27	0°♊	
max. Earth dist.	11304 Mar 20 20:07	13°♊24'22	2.59464 AU		11309 Jan 21 18:39	0°♊	
					11309 Mar 09 21:19	0°♊	
conjunction	11304 Apr 14 22:25	0°♊17'13	-1°09'14		11309 May 02 09:42	0°♊	
minimum elong	11304 Apr 14 22:24	0°♊17'11	1°09'31	desc. node	11309 May 20 05:09	8°♊26'27	
	11304 Apr 14 12:19	0°♊		retrograde	11309 Jul 17 22:43	23°♊53'54	
	11304 May 27 11:43	0°♊		opposition	11309 Aug 26 21:24	14°♊34'03	-3°10'13
morning rise	11304 Jun 03 02:09	4°♊44'03		greatest brilliancy	11309 Aug 27 02:57	14°♊28'37	-1.3m
	11304 Jul 07 13:43	0°♊		min. Earth dist.	11309 Aug 29 11:19	13°♊33'24	0.67260 AU
	11304 Aug 16 04:17	0°♊		direct	11309 Oct 07 12:47	4°♊32'11	
	11304 Sep 23 22:38	0°♊			11309 Dec 24 15:06	0°♊	
asc. node	11304 Sep 25 10:54	1°♊10'28			11310 Feb 13 01:53	0°♊	
	11304 Nov 01 17:15	0°♊			11310 Mar 28 18:52	0°♊	
	11304 Dec 11 15:48	0°♊			11310 May 08 02:55	0°♊	
	11305 Jan 23 14:26	0°♊		asc. node	11310 May 17 21:55	7°♊31'59	
	11305 Mar 15 16:22	0°♊			11310 Jun 15 15:30	0°♊	
retrograde	11305 May 10 13:50	16°♊10'57		greatest brilliancy	11310 Jun 24 20:01	7°♊15'36	1.2m
min. Earth dist.	11305 Jun 14 17:01	8°♊11'36	0.61699 AU		11310 Jul 23 13:05	0°♊	
opposition	11305 Jun 19 16:56	6°♊13'16	2°07'02	evening set	11310 Aug 15 21:55	18°♊23'40	
greatest brilliancy	11305 Jun 19 08:13	6°♊21'52	-1.6m		11310 Aug 30 19:52	0°♊	
	11305 Jul 07 19:33	30°♊			11310 Oct 09 08:03	0°♊	
direct	11305 Jul 27 23:48	27°♊22'56					
desc. node	11305 Aug 15 04:41	29°♊14'59		conjunction	11310 Oct 22 03:31	9°♊27'11	1°06'00
	11305 Aug 18 18:25	0°♊		minimum elong	11310 Oct 22 04:01	9°♊28'06	1°06'24
	11305 Oct 30 18:46	0°♊			11310 Nov 19 16:47	0°♊	
	11305 Dec 23 04:19	0°♊		max. Earth dist.	11310 Dec 03 07:13	9°♊32'05	2.50155 AU
	11306 Feb 09 16:30	0°♊		morning rise	11310 Dec 19 03:39	20°♊26'48	
	11306 Mar 26 22:05	0°♊			11311 Jan 02 06:53	0°♊	
evening set	11306 Apr 09 15:38	9°♊29'43			11311 Feb 17 06:57	0°♊	
max. Earth dist.	11306 Apr 23 13:35	19°♊17'57	2.47612 AU	desc. node	11311 Apr 06 22:10	29°♊53'18	
	11306 May 08 11:08	0°♊			11311 Apr 07 02:41	0°♊	
					11311 May 30 19:43	0°♊	
conjunction	11306 Jun 01 19:06	17°♊54'25	-0°46'17	retrograde	11311 Aug 25 23:51	28°♊49'38	
minimum elong	11306 Jun 01 21:21	17°♊58'37	0°46'55	opposition	11311 Oct 02 20:30	20°♊26'39	-4°54'50
	11306 Jun 17 20:40	0°♊		greatest brilliancy	11311 Oct 03 21:48	20°♊02'38	-1.6m
	11306 Jul 26 17:57	0°♊		min. Earth dist.	11311 Oct 09 05:21	18°♊01'56	0.60098 AU
morning rise	11306 Aug 03 18:52	6°♊17'42		direct	11311 Nov 12 16:10	10°♊37'27	
asc. node	11306 Aug 13 03:33	13°♊39'02			11312 Jan 14 13:00	0°♊	
	11306 Sep 02 21:19	0°♊			11312 Mar 03 22:16	0°♊	
greatest brilliancy	11306 Sep 04 21:00	1°♊33'57	1.2m	asc. node	11312 Apr 04 03:06	22°♊02'01	
	11306 Oct 11 03:09	0°♊			11312 Apr 14 21:41	0°♊	
	11306 Nov 19 09:24	0°♊			11312 May 24 03:11	0°♊	
	11306 Dec 30 16:39	0°♊			11312 Jul 01 12:49	0°♊	
	11307 Feb 13 10:33	0°♊			11312 Aug 09 08:40	0°♊	
	11307 Apr 06 08:08	0°♊			11312 Sep 18 12:03	0°♊	
retrograde	11307 Jun 14 11:31	21°♊18'48		evening set	11312 Oct 19 04:30	22°♊03'21	
desc. node	11307 Jul 03 07:18	18°♊59'35			11312 Oct 30 12:15	0°♊	
min. Earth dist.	11307 Jul 23 22:44	11°♊56'11	0.67766 AU				
opposition	11307 Jul 25 04:29	11°♊26'39	-0°46'19	conjunction	11312 Dec 11 18:16	28°♊48'17	0°37'13
greatest brilliancy	11307 Jul 25 03:16	11°♊27'52	-1.3m	minimum elong	11312 Dec 11 19:38	28°♊50'34	0°37'54
direct	11307 Sep 03 21:43	1°♊46'54			11312 Dec 13 13:17	0°♊	
	11307 Nov 28 17:44	0°♊		max. Earth dist.	11313 Jan 02 09:00	13°♊05'19	2.61407 AU
	11308 Jan 20 06:28	0°♊		morning rise	11313 Jan 28 21:28	0°♊16'19	
	11308 Mar 06 13:42	0°♊			11313 Jan 28 11:17	0°♊	

desc. node	11313 Feb 21 12:05	15° \approx 17'53	greatest brilliancy	11318 Apr 14 01:31	1° \mathbb{M} 22'53	-2.5m
	11313 Mar 16 22:59	0° \mathbb{H}	opposition	11318 Apr 15 19:19	0° \mathbb{M} 47'06	6°03'39
	11313 May 04 23:31	0° \mathbb{Y}		11318 Apr 18 03:07	30° \mathbb{R} $\underline{\mathbb{A}}$	
	11313 Jun 25 12:00	0° \mathbb{B}	direct	11318 May 17 22:05	24° $\underline{\mathbb{A}}$ 23'12	
	11313 Aug 24 03:39	0° \mathbb{II}		11318 Jun 18 10:05	0° \mathbb{M}	
retrograde	11313 Oct 15 18:48	13° \mathbb{II} 00'13		11318 Aug 22 01:33	0° \mathbb{Z}	
opposition	11313 Nov 18 15:32	6° \mathbb{II} 18'29	-4°50'51	11318 Oct 13 12:33	0° \mathbb{Z}	
greatest brilliancy	11313 Nov 20 07:00	5° \mathbb{II} 45'00	-2.3m	11318 Oct 14 07:56	0° \mathbb{Z} 28'36	
min. Earth dist.	11313 Nov 27 11:02	3° \mathbb{II} 19'58	0.47149 AU	11318 Dec 02 13:26	0° \approx	
	11313 Dec 09 05:24	30° \mathbb{R} \mathbb{B}		11319 Jan 20 03:49	0° \mathbb{H}	
direct	11313 Dec 25 17:58	28° \mathbb{B} 05'54		11319 Feb 14 15:35	16° \mathbb{H} 07'23	
	11314 Jan 11 10:23	0° \mathbb{II}		11319 Mar 08 04:38	0° \mathbb{Y}	
asc. node	11314 Feb 20 08:04	16° \mathbb{II} 06'46		11319 Mar 11 15:20	2° \mathbb{Y} 14'37	2.62853 AU
	11314 Mar 15 15:11	0° \mathbb{G}				
	11314 Apr 28 01:04	0° Ω		conjunction	11319 Mar 31 12:30	15° \mathbb{Y} 19'14
	11314 Jun 07 13:47	0° \mathbb{M}		minimum elong	11319 Mar 31 11:52	15° \mathbb{Y} 18'10
	11314 Jul 18 00:13	0° $\underline{\mathbb{A}}$			11319 Apr 22 09:44	0° \mathbb{B}
	11314 Aug 28 13:50	0° \mathbb{M}		morning rise	11319 May 16 23:10	16° \mathbb{B} 51'20
	11314 Oct 10 20:04	0° \mathbb{Z}			11319 Jun 04 16:54	0° \mathbb{II}
	11314 Nov 24 20:08	0° \mathbb{Z}			11319 Jul 16 05:23	0° \mathbb{G}
evening set	11314 Dec 04 09:19	6° \mathbb{Z} 14'16			11319 Aug 25 07:09	0° Ω
desc. node	11315 Jan 09 05:17	29° \mathbb{Z} 21'09			11319 Oct 03 12:05	0° \mathbb{M}
	11315 Jan 10 05:35	0° \approx		asc. node	11319 Oct 13 06:10	7° \mathbb{M} 29'29
					11319 Nov 11 17:45	0° $\underline{\mathbb{A}}$
conjunction	11315 Jan 20 03:33	6° \approx 19'56	-0°05'54		11319 Dec 22 09:31	0° \mathbb{M}
minimum elong	11315 Jan 20 03:21	6° \approx 19'38	0°05'18		11320 Feb 05 07:36	0° \mathbb{Z}
behind sun begin	11315 Jan 19 09:24	5° \approx 51'01			11320 Apr 15 22:45	0° \mathbb{Z}
behind sun end	11315 Jan 20 21:18	6° \approx 48'14		retrograde	11320 Apr 25 16:56	0° \mathbb{Z} 39'08
max. Earth dist.	11315 Jan 26 02:31	10° \approx 07'38	2.67397 AU		11320 May 05 06:12	30° \mathbb{R} \mathbb{Z}
	11315 Feb 26 10:22	0° \mathbb{H}		min. Earth dist.	11320 May 28 17:20	23° \mathbb{Z} 22'43
morning rise	11315 Mar 05 04:40	4° \mathbb{H} 16'38		greatest brilliancy	11320 Jun 03 09:25	21° \mathbb{Z} 10'25
	11315 Apr 14 21:26	0° \mathbb{Y}		opposition	11320 Jun 04 03:03	20° \mathbb{Z} 53'15
	11315 Jun 01 07:56	0° \mathbb{B}		direct	11320 Jul 11 00:13	12° \mathbb{Z} 32'42
	11315 Jul 18 20:20	0° \mathbb{II}		desc. node	11320 Aug 31 15:10	25° \mathbb{Z} 00'09
	11315 Sep 05 04:33	0° \mathbb{G}			11320 Sep 12 06:45	0° \mathbb{Z}
	11315 Oct 27 13:04	0° Ω			11320 Nov 09 15:14	0° \approx
retrograde	11315 Dec 31 13:15	20° Ω 40'41			11320 Dec 30 21:51	0° \mathbb{H}
asc. node	11316 Jan 08 12:24	20° Ω 15'31			11321 Feb 16 18:51	0° \mathbb{Y}
opposition	11316 Jan 30 03:29	15° Ω 47'26	1°41'28	evening set	11321 Mar 23 19:22	23° \mathbb{Y} 07'55
greatest brilliancy	11316 Jan 30 03:45	15° Ω 47'16	-3.1m		11321 Apr 02 21:53	0° \mathbb{B}
min. Earth dist.	11316 Jan 31 05:24	15° Ω 30'17	0.36516 AU	max. Earth dist.	11321 Apr 08 12:48	3° \mathbb{B} 51'35
direct	11316 Feb 28 20:23	10° Ω 48'37				2.52712 AU
	11316 Apr 28 15:22	0° \mathbb{M}		conjunction	11321 May 12 07:32	27° \mathbb{B} 38'29
	11316 Jun 17 18:50	0° $\underline{\mathbb{A}}$		minimum elong	11321 May 12 08:59	27° \mathbb{B} 41'06
	11316 Aug 03 02:41	0° \mathbb{M}			11321 May 15 14:07	0° \mathbb{II}
	11316 Sep 18 08:56	0° \mathbb{Z}			11321 Jun 25 05:08	0° \mathbb{G}
	11316 Nov 04 08:03	0° \mathbb{Z}		morning rise	11321 Jul 07 12:43	9° \mathbb{G} 20'35
desc. node	11316 Nov 26 03:55	13° \mathbb{Z} 48'18			11321 Aug 03 08:11	0° Ω
	11316 Dec 21 20:38	0° \approx		asc. node	11321 Aug 29 21:40	20° Ω 45'30
evening set	11317 Jan 10 02:45	12° \approx 07'51			11321 Sep 10 16:09	0° \mathbb{M}
	11317 Feb 07 09:29	0° \mathbb{H}			11321 Oct 19 01:21	0° $\underline{\mathbb{A}}$
max. Earth dist.	11317 Feb 16 11:43	5° \mathbb{H} 46'12	2.67864 AU		11321 Nov 27 11:04	0° \mathbb{M}
					11322 Jan 08 02:14	0° \mathbb{Z}
conjunction	11317 Feb 23 09:24	10° \mathbb{H} 09'49	-0°43'57		11322 Feb 23 00:04	0° \mathbb{Z}
minimum elong	11317 Feb 23 08:21	10° \mathbb{H} 08'08	0°43'40		11322 Apr 22 14:44	0° \approx
	11317 Mar 26 07:55	0° \mathbb{Y}		retrograde	11322 Jun 01 05:05	8° \approx 25'19
morning rise	11317 Apr 07 19:31	8° \mathbb{Y} 05'14			11322 Jul 07 23:05	30° \mathbb{R} \mathbb{Z}
	11317 May 11 04:54	0° \mathbb{B}		min. Earth dist.	11322 Jul 09 03:38	29° \mathbb{Z} 31'47
	11317 Jun 24 19:03	0° \mathbb{II}		opposition	11322 Jul 11 20:50	28° \mathbb{Z} 27'04
	11317 Aug 07 02:03	0° \mathbb{G}		greatest brilliancy	11322 Jul 11 20:15	28° \mathbb{Z} 27'38
	11317 Sep 18 06:30	0° Ω		desc. node	11322 Jul 19 20:54	25° \mathbb{Z} 21'34
	11317 Oct 30 00:26	0° \mathbb{M}		direct	11322 Aug 20 19:29	19° \mathbb{Z} 03'05
asc. node	11317 Nov 25 12:37	18° \mathbb{M} 41'52			11322 Oct 08 07:02	0° \approx
	11317 Dec 12 04:11	0° $\underline{\mathbb{A}}$			11322 Dec 08 20:00	0° \mathbb{H}
	11318 Feb 02 19:57	0° \mathbb{M}			11323 Jan 28 05:18	0° \mathbb{Y}
retrograde	11318 Mar 11 10:27	8° \mathbb{M} 39'25			11323 Mar 14 23:21	0° \mathbb{B}
min. Earth dist.	11318 Apr 07 10:17	3° \mathbb{M} 37'49	0.44255 AU		11323 Apr 26 12:28	0° \mathbb{II}

evening set	11323 May 10 08:11	10°II08'53			11327 Dec 21 12:33	0°Z	
max. Earth dist.	11323 May 30 15:20	25°II22'35	2.39306 AU	max. Earth dist.	11327 Dec 23 15:24	1°Z24'58	2.57593 AU
	11323 Jun 05 17:06	0°E		morning rise	11328 Jan 14 19:58	16°Z03'58	
					11328 Feb 05 08:59	0°≈	
conjunction	11323 Jul 11 03:56	27°E29'31	-0°04'44	desc. node	11328 Mar 10 05:35	21°≈22'18	
minimum elong	11323 Jul 11 04:26	27°E30'31	0°05'22		11328 Mar 24 04:35	0°H	
behind sun begin	11323 Jul 10 01:02	26°E36'46			11328 May 13 09:21	0°Y	
behind sun end	11323 Jul 12 07:50	28°E24'19			11328 Jul 07 17:04	0°B	
	11323 Jul 14 08:31	0°Q		retrograde	11328 Sep 23 04:02	24°B08'04	
asc. node	11323 Jul 17 16:11	2°Q36'48		opposition	11328 Oct 28 21:58	16°B39'21	-5°16'28
	11323 Aug 21 07:06	0°M		greatest brilliancy	11328 Oct 30 11:52	16°B05'10	-2.0m
morning rise	11323 Sep 22 04:26	25°M07'58		min. Earth dist.	11328 Nov 06 05:51	13°B39'53	0.52731 AU
	11323 Sep 28 10:05	0°E		direct	11328 Dec 06 24:00	7°B32'44	
	11323 Nov 06 14:21	0°M			11329 Feb 10 23:02	0°II	
	11323 Dec 17 15:58	0°J		asc. node	11329 Mar 08 23:29	16°II05'49	
	11324 Jan 30 12:18	0°Z			11329 Mar 29 06:21	0°E	
	11324 Mar 18 15:25	0°≈			11329 May 09 00:29	0°Q	
	11324 May 16 13:36	0°H			11329 Jun 17 07:14	0°M	
desc. node	11324 Jun 05 20:42	7°H03'56			11329 Jul 26 20:29	0°E	
retrograde	11324 Jul 04 06:59	11°H24'44			11329 Sep 05 16:31	0°M	
opposition	11324 Aug 13 16:38	1°H49'43	-2°18'11		11329 Oct 18 07:54	0°J	
greatest brilliancy	11324 Aug 13 17:38	1°H48'43	-1.3m	evening set	11329 Nov 17 22:07	20°J44'07	
min. Earth dist.	11324 Aug 14 18:35	1°H24'07	0.68254 AU		11329 Dec 01 20:49	0°Z	
	11324 Aug 18 08:31	30°R≈					
direct	11324 Sep 24 03:49	21°≈53'22		conjunction	11330 Jan 05 16:16	22°Z43'02	0°10'52
	11324 Nov 03 12:50	0°H		minimum elong	11330 Jan 05 16:40	22°Z43'41	0°11'32
	11325 Jan 04 10:28	0°Y		behind sun begin	11330 Jan 05 03:06	22°Z21'48	
	11325 Feb 21 13:44	0°B		behind sun end	11330 Jan 06 06:14	23°Z05'34	
	11325 Apr 05 16:38	0°II			11330 Jan 16 23:56	0°≈	
	11325 May 15 21:05	0°E		max. Earth dist.	11330 Jan 17 07:21	0°≈11'54	2.65708 AU
asc. node	11325 Jun 03 13:21	14°E26'48		desc. node	11330 Jan 25 20:30	5°≈40'09	
	11325 Jun 23 08:53	0°Q		morning rise	11330 Feb 19 20:09	21°≈33'03	
evening set	11325 Jul 16 06:23	18°Q08'02			11330 Mar 05 05:16	0°H	
	11325 Jul 31 05:24	0°M			11330 Apr 22 02:43	0°Y	
	11325 Sep 07 09:45	0°E			11330 Jun 09 15:20	0°B	
					11330 Jul 29 13:01	0°II	
conjunction	11325 Sep 25 20:53	14°E13'27	1°02'48		11330 Sep 22 04:20	0°E	
minimum elong	11325 Sep 25 18:47	14°E09'25	1°02'53	retrograde	11330 Nov 28 10:35	20°E34'51	
	11325 Oct 16 18:07	0°M		opposition	11330 Dec 29 04:21	15°E15'31	-1°56'44
max. Earth dist.	11325 Nov 15 17:57	21°M59'54	2.44610 AU	greatest brilliancy	11330 Dec 29 18:11	15°E05'30	-2.9m
	11325 Nov 26 22:37	0°J		min. Earth dist.	11331 Jan 04 08:41	13°E28'52	0.39167 AU
morning rise	11325 Nov 29 02:51	1°J32'30		asc. node	11331 Jan 25 04:19	9°E22'24	
	11326 Jan 09 10:49	0°Z		direct	11331 Jan 30 13:48	9°E09'54	
	11326 Feb 24 16:19	0°≈			11331 Apr 01 20:43	0°Q	
	11326 Apr 15 14:22	0°H			11331 May 19 02:18	0°M	
desc. node	11326 Apr 23 14:47	4°H31'28			11331 Jul 01 13:58	0°E	
	11326 Jun 13 03:58	0°Y			11331 Aug 14 03:02	0°M	
retrograde	11326 Aug 09 20:03	14°Y47'49			11331 Sep 27 19:04	0°J	
opposition	11326 Sep 17 16:57	5°Y58'47	-4°20'48		11331 Nov 12 18:49	0°Z	
greatest brilliancy	11326 Sep 18 09:31	5°Y42'47	-1.4m	desc. node	11331 Dec 13 16:22	19°Z46'59	
min. Earth dist.	11326 Sep 22 14:54	4°Y05'05	0.63686 AU	evening set	11331 Dec 27 23:34	28°Z52'33	
	11326 Oct 04 04:08	30°RH			11331 Dec 29 18:04	0°≈	
direct	11326 Oct 29 02:38	25°H58'37		max. Earth dist.	11332 Feb 08 20:48	26°≈03'18	2.68343 AU
	11326 Nov 24 16:43	0°Y					
	11327 Jan 27 18:37	0°B		conjunction	11332 Feb 10 20:30	27°≈18'56	-0°30'30
	11327 Mar 14 16:35	0°II		minimum elong	11332 Feb 10 19:40	27°≈17'35	0°30'04
asc. node	11327 Apr 21 16:19	27°II41'58			11332 Feb 15 02:05	0°H	
	11327 Apr 24 17:26	0°E		morning rise	11332 Mar 25 03:46	24°H52'40	
	11327 Jun 02 13:15	0°Q			11332 Apr 02 03:38	0°Y	
	11327 Jul 10 16:05	0°M			11332 May 18 11:52	0°B	
	11327 Aug 18 05:05	0°E			11332 Jul 02 22:16	0°II	
evening set	11327 Sep 27 15:49	0°M27'23			11332 Aug 16 11:27	0°E	
	11327 Sep 27 00:57	0°M			11332 Sep 29 11:31	0°Q	
	11327 Nov 07 17:27	0°J			11332 Nov 13 05:50	0°M	
				asc. node	11332 Dec 12 04:39	17°M54'45	
conjunction	11327 Nov 24 18:32	11°J50'58	0°52'00		11333 Jan 04 03:02	0°E	
minimum elong	11327 Nov 24 20:14	11°J53'54	0°52'37	retrograde	11333 Feb 15 15:56	11°E08'55	

min. Earth dist.	11333 Mar 13 08:57	6° <u>♏</u> 48'39	0.39384 AU			11338 May 03 17:14	0° <u>♐</u>	
greatest brilliancy	11333 Mar 18 19:03	5° <u>♏</u> 11'33	-2.8m	max. Earth dist.		11338 May 03 23:54	0° <u>♐</u> 12'05	2.44591 AU
opposition	11333 Mar 20 05:54	4° <u>♏</u> 45'16	5°53'02			11338 Jun 13 01:07	0° <u>♑</u>	
	11333 Apr 09 06:49	30° <u>♏</u> 17						
direct	11333 Apr 19 09:09	29° <u>♏</u> 19'25		conjunction		11338 Jun 14 21:50	1° <u>♑</u> 25'05	-0°33'37
	11333 Apr 29 14:50	0° <u>♏</u>		minimum elong		11338 Jun 15 00:06	1° <u>♑</u> 29'24	0°34'17
	11333 Jul 13 01:39	0° <u>♏</u>				11338 Jul 21 20:23	0° <u>♏</u>	
	11333 Sep 02 17:36	0° <u>♏</u>		asc. node		11338 Aug 03 09:03	9° <u>♏</u> 50'37	
	11333 Oct 22 04:02	0° <u>♏</u>		morning rise		11338 Aug 21 02:55	23° <u>♏</u> 50'40	
desc. node	11333 Oct 30 19:25	5° <u>♏</u> 17'32				11338 Aug 28 21:51	0° <u>♏</u>	
	11333 Dec 09 22:38	0° <u>♏</u>				11338 Oct 06 02:11	0° <u>♏</u>	
	11334 Jan 27 00:20	0° <u>♏</u>				11338 Nov 14 06:56	0° <u>♏</u>	
evening set	11334 Jan 31 19:01	3° <u>♏</u> 00'59				11338 Dec 25 10:28	0° <u>♏</u>	
max. Earth dist.	11334 Mar 02 08:15	21° <u>♏</u> 51'17	2.65447 AU			11339 Feb 07 16:57	0° <u>♏</u>	
	11334 Mar 14 22:49	0° <u>♏</u>				11339 Mar 29 15:30	0° <u>♏</u>	
				retrograde		11339 Jun 21 23:59	28° <u>♏</u> 59'25	
conjunction	11334 Mar 17 01:23	1° <u>♏</u> 22'09	-1°00'35	desc. node		11339 Jun 23 10:43	28° <u>♏</u> 58'37	
minimum elong	11334 Mar 17 00:24	1° <u>♏</u> 20'32	1°00'32	opposition		11339 Aug 01 15:54	19° <u>♏</u> 12'33	-1°21'34
	11334 Apr 29 08:41	0° <u>♏</u>		min. Earth dist.		11339 Aug 01 06:07	19° <u>♏</u> 22'14	0.68231 AU
morning rise	11334 Apr 30 18:37	0° <u>♏</u> 57'08		greatest brilliancy		11339 Aug 01 14:43	19° <u>♏</u> 13'43	-1.3m
	11334 Jun 12 01:55	0° <u>♏</u>		direct		11339 Sep 11 17:10	9° <u>♏</u> 25'48	
	11334 Jul 24 03:33	0° <u>♏</u>				11339 Nov 20 21:49	0° <u>♏</u>	
	11334 Sep 02 19:53	0° <u>♏</u>				11340 Jan 14 15:29	0° <u>♏</u>	
	11334 Oct 12 15:51	0° <u>♏</u>				11340 Mar 01 12:27	0° <u>♏</u>	
asc. node	11334 Oct 30 01:16	13° <u>♏</u> 07'13				11340 Apr 13 07:43	0° <u>♏</u>	
	11334 Nov 21 15:49	0° <u>♏</u>				11340 May 23 11:02	0° <u>♏</u>	
	11335 Jan 02 18:22	0° <u>♏</u>		evening set		11340 Jun 16 20:59	18° <u>♏</u> 55'08	
	11335 Feb 22 04:08	0° <u>♏</u>		asc. node		11340 Jun 20 06:15	21° <u>♏</u> 34'21	
retrograde	11335 Apr 10 10:36	13° <u>♏</u> 05'41				11340 Jun 30 23:21	0° <u>♏</u>	
min. Earth dist.	11335 May 11 03:14	6° <u>♏</u> 38'52	0.52735 AU			11340 Aug 07 19:41	0° <u>♏</u>	
opposition	11335 May 18 18:34	3° <u>♏</u> 45'51	4°34'58					
greatest brilliancy	11335 May 17 13:54	4° <u>♏</u> 12'57	-2.0m	conjunction		11340 Aug 26 21:21	15° <u>♏</u> 04'47	0°44'51
	11335 May 29 12:04	30° <u>♏</u> 17		minimum elong		11340 Aug 26 17:26	14° <u>♏</u> 57'04	0°44'34
direct	11335 Jun 22 23:25	26° <u>♏</u> 03'09				11340 Sep 14 22:21	0° <u>♏</u>	
	11335 Jul 19 14:42	0° <u>♏</u>		max. Earth dist.		11340 Oct 18 01:54	25° <u>♏</u> 25'47	2.39013 AU
desc. node	11335 Sep 18 02:14	25° <u>♏</u> 28'33				11340 Oct 24 03:49	0° <u>♏</u>	
	11335 Sep 26 18:31	0° <u>♏</u>		morning rise		11340 Nov 05 15:30	9° <u>♏</u> 17'18	
	11335 Nov 19 08:22	0° <u>♏</u>				11340 Dec 04 05:26	0° <u>♏</u>	
	11336 Jan 08 06:36	0° <u>♏</u>				11341 Jan 16 17:48	0° <u>♏</u>	
	11336 Feb 24 17:21	0° <u>♏</u>				11341 Mar 04 09:29	0° <u>♏</u>	
evening set	11336 Mar 08 07:22	8° <u>♏</u> 12'59				11341 Apr 25 02:48	0° <u>♏</u>	
max. Earth dist.	11336 Mar 27 05:16	20° <u>♏</u> 46'58	2.57244 AU	desc. node		11341 May 10 06:58	7° <u>♏</u> 51'08	
	11336 Apr 09 20:02	0° <u>♏</u>				11341 Jul 08 17:10	0° <u>♏</u>	
				retrograde		11341 Jul 26 00:03	1° <u>♏</u> 40'44	
conjunction	11336 Apr 24 08:30	9° <u>♏</u> 59'27	-1°08'09			11341 Aug 11 07:53	30° <u>♏</u> 17	
minimum elong	11336 Apr 24 08:58	10° <u>♏</u> 00'16	1°08'33	opposition		11341 Sep 03 15:24	22° <u>♏</u> 30'48	-3°38'06
	11336 May 22 17:15	0° <u>♏</u>		greatest brilliancy		11341 Sep 04 00:25	22° <u>♏</u> 22'00	-1.3m
morning rise	11336 Jun 14 13:48	16° <u>♏</u> 35'37		min. Earth dist.		11341 Sep 07 01:29	21° <u>♏</u> 10'48	0.66281 AU
	11336 Jul 02 15:35	0° <u>♏</u>		direct		11341 Oct 15 06:57	12° <u>♏</u> 27'56	
	11336 Aug 11 02:14	0° <u>♏</u>				11341 Dec 16 00:48	0° <u>♏</u>	
asc. node	11336 Sep 15 17:29	27° <u>♏</u> 41'11				11342 Feb 07 02:13	0° <u>♏</u>	
	11336 Sep 18 16:37	0° <u>♏</u>				11342 Mar 23 10:43	0° <u>♏</u>	
	11336 Oct 27 07:00	0° <u>♏</u>				11342 May 03 00:07	0° <u>♏</u>	
	11336 Dec 05 23:03	0° <u>♏</u>		asc. node		11342 May 08 07:49	4° <u>♏</u> 04'06	
	11337 Jan 17 05:07	0° <u>♏</u>				11342 Jun 10 15:05	0° <u>♏</u>	
	11337 Mar 06 10:37	0° <u>♏</u>				11342 Jul 18 14:02	0° <u>♏</u>	
retrograde	11337 May 18 14:37	24° <u>♏</u> 51'36				11342 Aug 25 22:07	0° <u>♏</u>	
min. Earth dist.	11337 Jun 23 19:32	16° <u>♏</u> 31'28	0.63545 AU	evening set		11342 Sep 01 06:53	4° <u>♏</u> 54'14	
opposition	11337 Jun 28 00:02	14° <u>♏</u> 51'57	1°25'33			11342 Oct 04 11:53	0° <u>♏</u>	
greatest brilliancy	11337 Jun 27 19:08	14° <u>♏</u> 56'47	-1.5m					
direct	11337 Aug 05 22:46	5° <u>♏</u> 48'05		conjunction		11342 Nov 04 05:13	22° <u>♏</u> 23'40	1°02'51
desc. node	11337 Aug 05 08:29	5° <u>♏</u> 48'13		minimum elong		11342 Nov 04 06:32	22° <u>♏</u> 26'02	1°03'22
	11337 Oct 23 05:25	0° <u>♏</u>				11342 Nov 14 21:57	0° <u>♏</u>	
	11337 Dec 17 15:34	0° <u>♏</u>		max. Earth dist.		11342 Dec 11 09:39	18° <u>♏</u> 24'35	2.52974 AU
	11338 Feb 04 17:58	0° <u>♏</u>				11342 Dec 28 12:21	0° <u>♏</u>	
	11338 Mar 22 03:54	0° <u>♏</u>		morning rise		11342 Dec 29 09:10	0° <u>♏</u> 34'53	
evening set	11338 Apr 20 01:25	20° <u>♏</u> 10'34				11343 Feb 12 09:20	0° <u>♏</u>	

desc. node	11343 Mar 27 21:56	27° \approx 05'23			11348 Mar 08 10:11	30° \mathbb{R} 0	
	11343 Apr 01 17:28	0° \mathbb{H}	direct		11348 Mar 17 23:28	29° \mathbb{Q} 23'10	
	11343 May 23 18:03	0° \mathbb{Y}			11348 Mar 27 12:49	0° \mathbb{M}	
	11343 Jul 27 00:23	0° \mathbb{B}			11348 Jun 07 16:06	0° \mathbb{L}	
retrograde	11343 Sep 04 21:31	7° \mathbb{B} 50'51			11348 Jul 26 23:31	0° \mathbb{M}	
	11343 Oct 11 10:34	30° \mathbb{R} 0			11348 Sep 12 12:51	0° \mathbb{J}	
opposition	11343 Oct 12 02:39	29° \mathbb{Y} 45'01	-5°08'22		11348 Oct 30 04:28	0° \mathbb{Z}	
greatest brilliancy	11343 Oct 13 08:59	29° \mathbb{Y} 16'38	-1.7m	desc. node	11348 Nov 16 06:58	10° \mathbb{Z} 43'22	
min. Earth dist.	11343 Oct 19 06:29	27° \mathbb{Y} 04'47	0.57701 AU		11348 Dec 17 01:56	0° \approx	
direct	11343 Nov 21 11:19	20° \mathbb{Y} 06'40		evening set	11349 Jan 18 00:30	20° \approx 03'03	
	11344 Jan 02 14:14	0° \mathbb{B}			11349 Feb 02 18:47	0° \mathbb{H}	
	11344 Feb 25 21:54	0° \mathbb{I}		max. Earth dist.	11349 Feb 21 12:34	11° \mathbb{H} 54'07	2.67229 AU
asc. node	11344 Mar 25 12:19	19° \mathbb{I} 34'22					
	11344 Apr 08 21:21	0° \mathbb{G}		conjunction	11349 Mar 03 04:04	18° \mathbb{H} 04'02	-0°50'53
	11344 May 18 12:37	0° \mathbb{Q}		minimum elong	11349 Mar 03 02:58	18° \mathbb{H} 02'16	0°50'40
	11344 Jun 26 04:02	0° \mathbb{M}			11349 Mar 21 16:59	0° \mathbb{Y}	
	11344 Aug 04 04:32	0° \mathbb{L}		morning rise	11349 Apr 15 21:33	16° \mathbb{Y} 25'34	
	11344 Sep 13 12:26	0° \mathbb{M}			11349 May 06 09:37	0° \mathbb{B}	
	11344 Oct 25 16:33	0° \mathbb{J}			11349 Jun 19 15:39	0° \mathbb{I}	
evening set	11344 Oct 30 13:59	3° \mathbb{J} 23'28			11349 Aug 01 10:40	0° \mathbb{G}	
	11344 Dec 08 20:29	0° \mathbb{Z}			11349 Sep 11 23:45	0° \mathbb{Q}	
					11349 Oct 22 20:17	0° \mathbb{M}	
conjunction	11344 Dec 21 04:08	8° \mathbb{Z} 09'02	0°27'44	asc. node	11349 Nov 15 18:46	17° \mathbb{M} 27'33	
minimum elong	11344 Dec 21 05:10	8° \mathbb{Z} 10'44	0°28'26		11349 Dec 03 08:29	0° \mathbb{L}	
max. Earth dist.	11345 Jan 08 02:06	19° \mathbb{Z} 51'31	2.63159 AU		11350 Jan 18 05:41	0° \mathbb{M}	
	11345 Jan 23 19:00	0° \approx		retrograde	11350 Mar 23 01:05	22° \mathbb{M} 29'35	
morning rise	11345 Feb 06 01:33	8° \approx 29'26		min. Earth dist.	11350 Apr 20 07:47	16° \mathbb{M} 57'39	0.47315 AU
desc. node	11345 Feb 11 12:39	11° \approx 57'58		greatest brilliancy	11350 Apr 27 02:03	14° \mathbb{M} 33'04	-2.3m
	11345 Mar 12 03:07	0° \mathbb{H}		opposition	11350 Apr 28 16:59	13° \mathbb{M} 58'12	5°39'52
	11345 Apr 29 15:35	0° \mathbb{Y}		direct	11350 May 31 22:34	7° \mathbb{M} 03'26	
	11345 Jun 18 19:13	0° \mathbb{B}			11350 Aug 12 21:44	0° \mathbb{J}	
	11345 Aug 12 04:06	0° \mathbb{I}		desc. node	11350 Oct 04 12:41	28° \mathbb{J} 23'14	
retrograde	11345 Oct 30 05:39	25° \mathbb{I} 35'20			11350 Oct 07 08:28	0° \mathbb{Z}	
opposition	11345 Dec 01 22:08	19° \mathbb{I} 22'49	-4°11'12		11350 Nov 27 09:12	0° \approx	
greatest brilliancy	11345 Dec 03 08:57	18° \mathbb{I} 54'35	-2.5m		11351 Jan 15 09:37	0° \mathbb{H}	
min. Earth dist.	11345 Dec 10 09:46	16° \mathbb{I} 38'39	0.44055 AU	evening set	11351 Feb 22 16:19	24° \mathbb{H} 14'47	
direct	11346 Jan 06 13:24	11° \mathbb{I} 50'22			11351 Mar 03 13:55	0° \mathbb{Y}	
asc. node	11346 Feb 10 18:15	19° \mathbb{I} 43'43		max. Earth dist.	11351 Mar 17 08:26	9° \mathbb{Y} 00'07	2.61081 AU
	11346 Mar 03 22:36	0° \mathbb{G}					
	11346 Apr 20 01:42	0° \mathbb{Q}		conjunction	11351 Apr 09 03:04	24° \mathbb{Y} 09'29	-1°08'54
	11346 May 31 20:47	0° \mathbb{M}		minimum elong	11351 Apr 09 02:45	24° \mathbb{Y} 08'56	1°09'08
	11346 Jul 12 00:20	0° \mathbb{L}			11351 Apr 17 18:22	0° \mathbb{B}	
	11346 Aug 23 02:19	0° \mathbb{M}		morning rise	11351 May 26 22:35	27° \mathbb{B} 10'16	
	11346 Oct 05 17:51	0° \mathbb{J}			11351 May 30 22:16	0° \mathbb{I}	
	11346 Nov 20 00:43	0° \mathbb{Z}			11351 Jul 11 05:31	0° \mathbb{G}	
evening set	11346 Dec 13 05:07	15° \mathbb{Z} 01'13			11351 Aug 20 01:24	0° \mathbb{Q}	
desc. node	11346 Dec 30 07:10	25° \mathbb{Z} 59'07			11351 Sep 28 00:11	0° \mathbb{M}	
	11347 Jan 05 13:57	0° \approx		asc. node	11351 Oct 03 13:00	4° \mathbb{M} 16'58	
					11351 Nov 05 22:31	0° \mathbb{L}	
conjunction	11347 Jan 28 03:33	14° \approx 21'57	-0°15'20		11351 Dec 16 02:11	0° \mathbb{M}	
minimum elong	11347 Jan 28 03:05	14° \approx 21'13	0°14'46		11352 Jan 28 14:00	0° \mathbb{J}	
behind sun begin	11347 Jan 27 20:05	14° \approx 10'05			11352 Mar 22 21:16	0° \mathbb{Z}	
behind sun end	11347 Jan 28 10:06	14° \approx 32'20		retrograde	11352 May 04 08:05	10° \mathbb{Z} 12'10	
max. Earth dist.	11347 Jan 31 03:45	16° \approx 16'34	2.67964 AU	min. Earth dist.	11352 Jun 07 13:33	2° \mathbb{Z} 31'03	0.59990 AU
	11347 Feb 21 19:08	0° \mathbb{H}		opposition	11352 Jun 13 04:40	0° \mathbb{Z} 18'27	2°37'49
morning rise	11347 Mar 12 19:16	12° \mathbb{H} 02'46		greatest brilliancy	11352 Jun 12 16:29	0° \mathbb{Z} 30'25	-1.7m
	11347 Apr 10 01:56	0° \mathbb{Y}			11352 Jun 13 23:31	30° \mathbb{R} 0	
	11347 May 27 01:29	0° \mathbb{B}		direct	11352 Jul 20 21:36	21° \mathbb{J} 40'21	
	11347 Jul 12 16:33	0° \mathbb{I}		desc. node	11352 Aug 21 19:46	26° \mathbb{J} 59'58	
	11347 Aug 28 06:12	0° \mathbb{G}			11352 Aug 30 22:41	0° \mathbb{Z}	
	11347 Oct 14 23:17	0° \mathbb{Q}			11352 Nov 03 06:02	0° \approx	
	11347 Dec 09 19:05	0° \mathbb{M}			11352 Dec 25 17:02	0° \mathbb{H}	
asc. node	11347 Dec 29 21:50	6° \mathbb{M} 49'55			11353 Feb 11 23:45	0° \mathbb{Y}	
retrograde	11348 Jan 18 14:42	9° \mathbb{M} 22'29			11353 Mar 29 05:29	0° \mathbb{B}	
min. Earth dist.	11348 Feb 15 11:32	4° \mathbb{M} 52'00	0.36592 AU	evening set	11353 Apr 02 03:44	2° \mathbb{B} 41'28	
opposition	11348 Feb 17 19:24	4° \mathbb{M} 14'25	3°44'30	max. Earth dist.	11353 Apr 16 14:02	12° \mathbb{B} 42'13	2.49965 AU
greatest brilliancy	11348 Feb 17 09:12	4° \mathbb{M} 21'17	-3.0m		11353 May 10 21:18	0° \mathbb{I}	

conjunction	11353 May 23 11:50	9°II10'55	-0°53'44		11358 Feb 19 14:59	0°≈	
minimum elong	11353 May 23 13:49	9°II14'32	0°54'21		11358 Apr 09 18:42	0°✕	
	11353 Jun 20 10:11	0°☾		desc. node	11358 Apr 13 16:00	2°✕16'02	
morning rise	11353 Jul 22 06:07	24°☾24'35			11358 Jun 03 22:52	0°☿	
	11353 Jul 29 10:38	0°♈		retrograde	11358 Aug 18 19:37	23°☿10'41	
asc. node	11353 Aug 20 05:35	17°♈03'56		opposition	11358 Sep 26 04:27	14°☿35'20	-4°41'40
	11353 Sep 05 16:05	0°♏		greatest brilliancy	11358 Sep 27 01:51	14°☿14'52	-1.5m
	11353 Oct 13 22:42	0°♊		min. Earth dist.	11358 Oct 01 22:23	12°☿23'38	0.61830 AU
	11353 Nov 22 05:10	0°♋		direct	11358 Nov 06 08:06	4°☿39'59	
	11354 Jan 02 13:30	0°♌			11359 Jan 19 22:20	0°♍	
	11354 Feb 16 14:31	0°♎			11359 Mar 08 15:13	0°♏	
	11354 Apr 11 05:30	0°≈		asc. node	11359 Apr 12 02:55	24°♏42'40	
retrograde	11354 Jun 08 19:49	16°≈22'32			11359 Apr 19 04:52	0°☾	
desc. node	11354 Jul 09 23:31	10°≈10'13			11359 May 28 06:15	0°♈	
min. Earth dist.	11354 Jul 17 16:01	7°≈12'12	0.67173 AU		11359 Jul 05 12:31	0°♏	
opposition	11354 Jul 19 13:19	6°≈27'14	-0°20'32		11359 Aug 13 04:18	0°♊	
greatest brilliancy	11354 Jul 19 12:38	6°≈27'55	-1.4m		11359 Sep 22 03:01	0°♋	
	11354 Aug 06 18:22	30°♋3		evening set	11359 Oct 10 19:08	13°♋34'50	
direct	11354 Aug 28 23:08	26°♎53'54			11359 Nov 02 22:18	0°♌	
	11354 Sep 21 23:42	0°≈					
	11354 Dec 02 07:49	0°✕		conjunction	11359 Dec 05 05:39	22°♌13'37	0°43'45
	11355 Jan 22 22:35	0°☿		minimum elong	11359 Dec 05 07:13	22°♌16'15	0°44'24
	11355 Mar 10 01:27	0°♍			11359 Dec 16 19:12	0°♎	
	11355 Apr 21 17:05	0°♏		max. Earth dist.	11359 Dec 29 23:19	8°♎44'49	2.59799 AU
evening set	11355 May 23 03:56	23°♏21'15		morning rise	11360 Jan 23 13:23	24°♎47'56	
	11355 May 31 21:33	0°☾			11360 Jan 31 15:10	0°≈	
max. Earth dist.	11355 Jun 29 03:37	21°☾52'22	2.36955 AU	desc. node	11360 Feb 29 05:53	18°≈10'13	
asc. node	11355 Jul 07 23:09	28°☾47'21			11360 Mar 19 04:58	0°✕	
	11355 Jul 09 12:05	0°♈			11360 May 07 15:17	0°☿	
					11360 Jun 29 10:02	0°♍	
conjunction	11355 Jul 27 15:48	14°♈20'34	0°14'12		11360 Sep 04 21:21	0°♏	
minimum elong	11355 Jul 27 14:19	14°♈17'38	0°13'39	retrograde	11360 Oct 05 12:03	4°♏57'21	
behind sun begin	11355 Jul 26 21:54	13°♈45'08			11360 Nov 02 23:45	30°♋8	
behind sun end	11355 Jul 28 06:44	14°♈50'09		opposition	11360 Nov 09 05:42	27°♋53'31	-5°06'51
	11355 Aug 16 09:54	0°♏		greatest brilliancy	11360 Nov 10 21:36	27°♋18'35	-2.1m
	11355 Sep 23 12:21	0°♊		min. Earth dist.	11360 Nov 17 22:32	24°♋51'27	0.49678 AU
morning rise	11355 Oct 09 15:03	12°♊28'36		direct	11360 Dec 17 07:49	19°♋13'34	
	11355 Nov 01 16:13	0°♋			11361 Jan 28 21:23	0°♏	
	11355 Dec 12 16:28	0°♌		asc. node	11361 Feb 27 08:13	15°♏47'37	
	11356 Jan 25 07:28	0°♎			11361 Mar 21 10:35	0°☾	
	11356 Mar 12 16:26	0°≈			11361 May 02 10:41	0°♈	
	11356 May 06 17:03	0°✕			11361 Jun 11 08:07	0°♏	
desc. node	11356 May 26 22:11	8°✕46'17			11361 Jul 21 07:19	0°♊	
retrograde	11356 Jul 12 00:21	19°✕02'58			11361 Aug 31 11:20	0°♋	
opposition	11356 Aug 21 05:10	9°✕35'56	-2°49'17		11361 Oct 13 09:19	0°♌	
greatest brilliancy	11356 Aug 21 08:27	9°✕32'41	-1.3m	evening set	11361 Nov 27 11:01	0°♎13'14	
min. Earth dist.	11356 Aug 23 03:19	8°✕50'36	0.67840 AU		11361 Nov 27 02:59	0°♏	
	11356 Sep 23 19:07	30°♋≈			11362 Jan 12 08:35	0°≈	
direct	11356 Oct 01 19:49	29°≈35'53					
	11356 Oct 10 01:24	0°✕		conjunction	11362 Jan 14 00:23	1°≈03'45	0°01'03
	11356 Dec 28 15:18	0°☿		minimum elong	11362 Jan 14 00:26	1°≈03'50	0°01'42
	11357 Feb 16 01:50	0°♍		behind sun begin	11362 Jan 13 05:29	0°≈33'31	
	11357 Mar 31 14:06	0°♏		behind sun end	11362 Jan 14 19:22	1°≈34'08	
	11357 May 10 21:25	0°☾		desc. node	11362 Jan 15 21:54	2°≈16'37	
asc. node	11357 May 24 22:02	10°☾48'32		max. Earth dist.	11362 Jan 22 12:07	6°≈29'24	2.66743 AU
	11357 Jun 18 10:07	0°♈		morning rise	11362 Feb 27 11:56	29°≈20'19	
	11357 Jul 26 07:07	0°♏			11362 Feb 28 13:03	0°✕	
evening set	11357 Aug 02 13:17	5°♏44'30			11362 Apr 17 04:06	0°☿	
	11357 Sep 02 12:06	0°♊			11362 Jun 04 00:59	0°♍	
					11362 Jul 22 10:55	0°♏	
conjunction	11357 Oct 11 04:29	29°♊28'12	1°06'12		11362 Sep 10 18:48	0°☾	
minimum elong	11357 Oct 11 04:00	29°♊27'17	1°06'29		11362 Nov 10 10:01	0°♈	
	11357 Oct 11 21:32	0°♋		retrograde	11362 Dec 16 22:01	7°♋24'58	
	11357 Nov 22 03:02	0°♌		opposition	11363 Jan 15 16:40	2°♋26'55	0°00'47
max. Earth dist.	11357 Nov 26 07:06	2°♌56'59	2.47731 AU	asc. node	11363 Jan 15 12:34	2°♋29'42	
morning rise	11357 Dec 10 20:02	13°♌06'39		greatest brilliancy	11363 Jan 15 16:45	2°♋26'51	-3.0m
	11358 Jan 04 14:35	0°♎		min. Earth dist.	11363 Jan 19 08:59	1°♋27'04	0.37294 AU

	11363 Jan 24 23:01	30° RE		minimum elong	11368 May 04 07:25	20° $\text{B}14'06$	1°05'31
direct	11363 Feb 15 09:16	27° $\text{E}05'02$			11368 May 18 00:08	0° II	
	11363 Mar 08 07:49	0° O		morning rise	11368 Jun 27 00:44	29° $\text{II}25'17$	
	11363 May 08 20:32	0° M			11368 Jun 27 19:13	0° E	
	11363 Jun 24 01:26	0° E			11368 Aug 06 02:06	0° O	
	11363 Aug 07 21:24	0° M		asc. node	11368 Sep 05 23:40	24° $\text{O}05'02$	
	11363 Sep 22 08:03	0° A			11368 Sep 13 13:02	0° M	
	11363 Nov 07 19:13	0° E			11368 Oct 21 23:55	0° E	
desc. node	11363 Dec 03 19:44	16° $\text{E}33'49$			11368 Nov 30 10:59	0° M	
	11363 Dec 25 01:05	0° \approx			11369 Jan 11 05:49	0° A	
evening set	11364 Jan 05 02:35	6° \approx 59'26			11369 Feb 26 18:59	0° E	
	11364 Feb 10 11:41	0° H			11369 May 03 05:45	0° \approx	
max. Earth dist.	11364 Feb 13 20:47	2° $\text{H}08'38$	2.68191 AU	retrograde	11369 May 26 11:04	3° \approx 12'39	
					11369 Jun 17 07:40	30° RE	
conjunction	11364 Feb 18 13:59	5° $\text{H}08'18$	-0°38'38	min. Earth dist.	11369 Jul 02 15:56	24° $\text{E}33'16$	0.65105 AU
minimum elong	11364 Feb 18 13:00	5° $\text{H}06'44$	0°38'16	opposition	11369 Jul 06 00:37	23° $\text{E}13'14$	0°45'11
	11364 Mar 28 11:39	0° Y		greatest brilliancy	11369 Jul 05 22:36	23° $\text{E}15'15$	-1.4m
morning rise	11364 Apr 01 21:24	2° $\text{Y}50'17$		desc. node	11369 Jul 26 12:12	16° $\text{E}15'35$	
	11364 May 13 14:00	0° B		direct	11369 Aug 14 13:07	13° $\text{E}57'33$	
	11364 Jun 27 13:17	0° II			11369 Oct 14 07:41	0° \approx	
	11364 Aug 10 08:57	0° E			11369 Dec 11 20:14	0° H	
	11364 Sep 22 06:22	0° O			11370 Jan 30 17:02	0° Y	
	11364 Nov 04 00:27	0° M			11370 Mar 17 09:00	0° B	
asc. node	11364 Dec 02 13:52	19° $\text{M}21'10$			11370 Apr 28 23:41	0° II	
	11364 Dec 19 07:30	0° E		evening set	11370 May 01 04:05	1° $\text{II}35'13$	
retrograde	11365 Mar 01 14:45	27° $\text{E}43'45$		max. Earth dist.	11370 May 16 21:33	13° $\text{II}09'20$	2.41616 AU
min. Earth dist.	11365 Mar 27 19:58	23° $\text{E}03'58$	0.41909 AU		11370 Jun 08 06:47	0° E	
greatest brilliancy	11365 Apr 03 02:34	21° $\text{E}02'41$	-2.6m				
opposition	11365 Apr 04 19:44	20° $\text{E}29'08$	6°10'38	conjunction	11370 Jun 29 03:45	16° $\text{E}03'17$	-0°18'08
direct	11365 May 06 00:41	14° $\text{E}31'39$		minimum elong	11370 Jun 29 05:21	16° $\text{E}06'22$	0°18'48
	11365 Jun 30 21:43	0° M			11370 Jul 17 00:25	0° O	
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	11365 Oct 16 12:08	0° E			11370 Aug 24 00:21	0° M	
desc. node	11365 Oct 20 23:04	2° $\text{E}40'33$		morning rise	11370 Sep 08 01:54	11° $\text{M}54'22$	
	11365 Dec 04 22:48	0° \approx			11370 Oct 01 03:22	0° E	
	11366 Jan 22 07:50	0° H			11370 Nov 09 06:39	0° M	
evening set	11366 Feb 08 16:36	10° $\text{H}58'05$			11370 Dec 20 07:26	0° A	
max. Earth dist.	11366 Mar 07 16:08	28° $\text{H}16'09$	2.64114 AU		11371 Feb 02 05:15	0° E	
	11366 Mar 10 08:12	0° Y			11371 Mar 22 20:34	0° \approx	
					11371 May 24 22:29	0° H	
conjunction	11366 Mar 25 05:06	9° $\text{Y}42'42$	-1°04'48	desc. node	11371 Jun 13 13:19	5° $\text{H}07'49$	
minimum elong	11366 Mar 25 04:17	9° $\text{Y}41'21$	1°04'50	retrograde	11371 Jun 29 13:42	6° $\text{H}37'19$	
	11366 Apr 24 16:13	0° B			11371 Aug 01 05:54	30° $\text{R}\approx$	
morning rise	11366 May 09 18:41	10° $\text{B}16'10$		opposition	11371 Aug 09 03:12	26° \approx 56'44	-1°55'25
	11366 Jun 07 04:43	0° II		greatest brilliancy	11371 Aug 09 02:57	26° \approx 57'00	-1.3m
	11366 Jul 18 23:39	0° E		min. Earth dist.	11371 Aug 09 13:33	26° \approx 46'31	0.68370 AU
	11366 Aug 28 08:09	0° O		direct	11371 Sep 19 10:47	17° \approx 04'08	
	11366 Oct 06 19:29	0° M			11371 Nov 11 09:08	0° H	
asc. node	11366 Oct 20 08:33	10° $\text{M}20'13$			11372 Jan 08 16:06	0° Y	
	11366 Nov 15 07:32	0° E			11372 Feb 25 07:23	0° B	
	11366 Dec 26 09:58	0° M			11372 Apr 08 08:30	0° II	
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retrograde	11367 Apr 19 22:04	23° $\text{A}50'37$		asc. node	11372 Jun 10 13:57	17° $\text{E}48'56$	
min. Earth dist.	11367 May 21 21:44	16° $\text{A}55'45$	0.55501 AU		11372 Jun 26 02:10	0° O	
opposition	11367 May 28 21:36	14° $\text{A}14'27$	3°52'51	evening set	11372 Jul 03 01:02	5° $\text{O}29'33$	
greatest brilliancy	11367 May 27 23:23	14° $\text{A}35'50$	-1.9m		11372 Aug 02 22:42	0° M	
direct	11367 Jul 04 02:06	6° $\text{A}09'40$			11372 Sep 10 01:44	0° E	
desc. node	11367 Sep 08 05:47	25° $\text{A}04'39$					
	11367 Sep 18 14:22	0° E		conjunction	11372 Sep 13 02:23	2° $\text{E}21'10$	0°56'58
	11367 Nov 13 14:19	0° \approx		minimum elong	11372 Sep 12 23:06	2° $\text{E}14'49$	0°56'54
	11368 Jan 03 06:59	0° H			11372 Oct 19 07:40	0° M	
	11368 Feb 20 00:29	0° Y		max. Earth dist.	11372 Nov 05 13:33	12° $\text{M}46'59$	2.42054 AU
evening set	11368 Mar 16 23:50	17° $\text{Y}03'00$		morning rise	11372 Nov 19 08:45	22° $\text{M}49'12$	
max. Earth dist.	11368 Apr 02 22:53	28° $\text{Y}28'34$	2.54824 AU		11372 Nov 29 09:27	0° A	
	11368 Apr 05 04:32	0° B			11373 Jan 11 19:43	0° E	
					11373 Feb 27 03:11	0° \approx	
conjunction	11368 May 04 06:24	20° $\text{B}12'18$	-1°05'01		11373 Apr 18 14:21	0° H	



































































































































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	11373 Jun 19 14:09	0° Y		11378 Aug 17 09:39	0° M
retrograde	11373 Aug 03 07:25	9° Y 35'58		11378 Sep 30 12:42	0° X
opposition	11373 Sep 11 13:51	0° Y 37'06 -4°03'49		11378 Nov 15 03:21	0° Z
greatest brilliancy	11373 Sep 12 02:59	0° Y 24'23 -1.4m	desc. node	11378 Dec 20 08:18	22° Z 38'23
	11373 Sep 13 04:06	30° R K	evening set	11378 Dec 21 18:16	23° Z 32'34
min. Earth dist.	11373 Sep 15 20:23	28° K 57'47 0.64968 AU		11378 Dec 31 21:22	0° \approx
direct	11373 Oct 23 03:32	20° K 34'50			
	11373 Dec 04 20:18	0° Y	conjunction	11379 Feb 05 00:40	22° \approx 18'34 -0°24'25
	11374 Jan 31 15:29	0° B	minimum elong	11379 Feb 04 23:58	22° \approx 17'27 0°23'55
	11374 Mar 17 21:11	0° II	max. Earth dist.	11379 Feb 05 04:40	22° \approx 24'54 2.68283 AU
	11374 Apr 27 17:42	0° E		11379 Feb 17 03:49	0° K
asc. node	11374 Apr 28 15:54	0° E 42'09	morning rise	11379 Mar 20 10:05	19° K 51'28
	11374 Jun 05 11:37	0° L		11379 Apr 05 07:38	0° Y
	11374 Jul 13 12:37	0° M		11379 May 21 22:40	0° B
	11374 Aug 20 22:44	0° L		11379 Jul 06 21:01	0° II
evening set	11374 Sep 16 15:51	20° L 20'15		11379 Aug 21 05:07	0° E
	11374 Sep 29 14:44	0° M		11379 Oct 05 11:51	0° L
	11374 Nov 10 03:07	0° X		11379 Nov 21 22:20	0° M
			asc. node	11379 Dec 20 05:46	15° M 20'55
conjunction	11374 Nov 16 05:19	4° X 16'45 0°57'14	retrograde	11380 Feb 04 15:52	28° M 03'27
minimum elong	11374 Nov 16 07:00	4° X 19'42 0°57'50	min. Earth dist.	11380 Mar 01 17:42	23° M 47'38 0.37770 AU
max. Earth dist.	11374 Dec 18 13:34	26° X 29'48 2.55627 AU	opposition	11380 Mar 06 23:13	22° M 19'10 5°14'41
	11374 Dec 23 18:34	0° Z	greatest brilliancy	11380 Mar 05 21:57	22° M 37'03 -2.9m
morning rise	11375 Jan 07 22:33	10° Z 05'17	direct	11380 Apr 05 09:24	17° M 14'37
	11375 Feb 07 13:47	0° \approx		11380 May 24 01:31	0° L
desc. node	11375 Mar 17 23:13	24° \approx 07'49		11380 Jul 18 20:26	0° M
	11375 Mar 27 12:53	0° K		11380 Sep 06 07:51	0° X
	11375 May 17 08:22	0° Y		11380 Oct 24 20:47	0° Z
	11375 Jul 14 04:22	0° B	desc. node	11380 Nov 06 10:32	7° Z 47'16
retrograde	11375 Sep 15 11:16	17° B 20'30		11380 Dec 12 05:16	0° \approx
opposition	11375 Oct 21 22:00	9° B 34'06 -5°15'37	evening set	11381 Jan 25 21:45	27° \approx 58'01
greatest brilliancy	11375 Oct 23 08:59	9° B 01'58 -1.8m		11381 Jan 29 03:06	0° K
min. Earth dist.	11375 Oct 29 18:36	6° B 41'23 0.55053 AU	max. Earth dist.	11381 Feb 26 16:35	18° K 09'22 2.66353 AU
direct	11375 Nov 30 15:53	0° B 10'46			
	11376 Feb 17 21:06	0° II	conjunction	11381 Mar 11 01:14	26° K 06'09 -0°56'56
asc. node	11376 Mar 15 22:49	17° II 39'12	minimum elong	11381 Mar 11 00:10	26° K 04'27 0°56'48
	11376 Apr 02 11:12	0° E		11381 Mar 17 01:54	0° Y
	11376 May 12 15:58	0° L	morning rise	11381 Apr 24 05:54	25° Y 03'19
	11376 Jun 20 14:51	0° M		11381 May 01 15:36	0° B
	11376 Jul 29 21:07	0° L		11381 Jun 14 15:08	0° II
	11376 Sep 08 10:07	0° M		11381 Jul 27 00:56	0° E
	11376 Oct 20 19:03	0° X		11381 Sep 06 02:09	0° L
evening set	11376 Nov 10 06:45	14° X 01'42		11381 Oct 16 07:51	0° M
	11376 Dec 04 02:34	0° Z	asc. node	11381 Nov 06 02:58	15° M 30'25
				11381 Nov 25 19:54	0° L
conjunction	11376 Dec 30 04:04	17° Z 06'46 0°17'55		11382 Jan 08 00:04	0° M
minimum elong	11376 Dec 30 04:44	17° Z 07'51 0°18'36		11382 Mar 06 02:37	0° X
max. Earth dist.	11377 Jan 13 13:50	26° Z 26'16 2.64687 AU	retrograde	11382 Apr 02 19:07	5° X 04'16
	11377 Jan 19 02:42	0° \approx		11382 Apr 29 15:28	30° R M
desc. node	11377 Feb 01 13:31	8° \approx 36'39	min. Earth dist.	11382 May 02 09:12	29° M 01'58 0.50352 AU
morning rise	11377 Feb 14 00:20	16° \approx 31'40	greatest brilliancy	11382 May 09 01:38	26° M 34'00 -2.1m
	11377 Mar 07 08:25	0° K	opposition	11382 May 10 11:11	26° M 02'57 5°05'11
	11377 Apr 24 11:24	0° Y	direct	11382 Jun 13 20:17	18° M 40'21
	11377 Jun 12 14:47	0° B		11382 Jul 31 17:39	0° X
	11377 Aug 03 00:51	0° II	desc. node	11382 Sep 24 17:02	26° X 45'32
	11377 Oct 02 22:48	0° E		11382 Sep 30 15:30	0° Z
retrograde	11377 Nov 14 23:38	9° E 31'05		11382 Nov 22 00:25	0° \approx
opposition	11377 Dec 16 14:29	3° E 48'36 -3°06'07		11383 Jan 10 13:15	0° K
greatest brilliancy	11377 Dec 17 15:07	3° E 29'45 -2.7m		11383 Feb 26 21:55	0° Y
min. Earth dist.	11377 Dec 24 03:47	1° E 31'05 0.41184 AU	evening set	11383 Mar 02 22:36	2° Y 36'59
	11377 Dec 29 14:43	30° R II	max. Earth dist.	11383 Mar 23 10:40	16° Y 06'17 2.59055 AU
direct	11378 Jan 19 11:32	27° II 03'09		11383 Apr 13 02:32	0° B
asc. node	11378 Feb 01 04:29	28° II 10'59			
	11378 Feb 09 07:30	0° E	conjunction	11383 Apr 18 04:14	3° B 27'35 -1°09'10
	11378 Apr 10 09:49	0° L	minimum elong	11383 Apr 18 04:20	3° B 27'45 1°09'30
	11378 May 24 10:19	0° M		11383 May 26 03:46	0° II

morning rise	11383 Jun 06 17:03	8° Π 17'44	direct	11388 Oct 09 12:19	7° X 23'14	
	11383 Jul 06 07:03	0° ☿		11388 Dec 20 23:18	0° Υ	
	11383 Aug 14 22:18	0° Ω		11389 Feb 10 08:18	0° B	
	11383 Sep 22 16:31	0° ♄		11389 Mar 26 08:59	0° Π	
asc. node	11383 Sep 23 20:06	0° ♄ 53'37		11389 May 05 20:45	0° ☿	
	11383 Oct 31 09:47	0° ♁	asc. node	11389 May 15 08:07	7° ☿ 16'07	
	11383 Dec 10 04:54	0° ♄	greatest brilliancy	11389 May 31 08:57	19° ☿ 43'22	1.2m
	11384 Jan 21 19:18	0° ♂		11389 Jun 13 11:03	0° Ω	
	11384 Mar 11 14:14	0° ♂		11389 Jul 21 08:56	0° ♄	
retrograde	11384 May 12 14:28	19° ♂ 12'17	evening set	11389 Aug 19 13:34	22° ♄ 57'32	
min. Earth dist.	11384 Jun 16 22:59	11° ♂ 08'38		11389 Aug 28 14:56	0° ♁	
opposition	11384 Jun 21 18:48	9° ♂ 14'18		11389 Oct 07 01:29	0° ♄	
greatest brilliancy	11384 Jun 21 11:10	9° ♂ 21'50				
direct	11384 Jul 30 04:45	0° ♂ 21'05	conjunction	11389 Oct 25 05:47	13° ♄ 23'53	1°05'28
desc. node	11384 Aug 11 23:35	1° ♂ 18'11	minimum elong	11389 Oct 25 06:32	13° ♄ 25'15	1°05'54
	11384 Oct 27 06:37	0° \approx		11389 Nov 17 08:03	0° ♂	
	11384 Dec 20 08:12	0° X	max. Earth dist.	11389 Dec 05 08:18	12° ♂ 37'19	2.50696 AU
	11385 Feb 07 02:55	0° Υ	morning rise	11389 Dec 21 16:21	23° ♂ 49'45	
	11385 Mar 24 12:22	0° B		11389 Dec 30 19:31	0° ♂	
evening set	11385 Apr 12 01:45	12° B 50'18		11390 Feb 14 16:13	0° \approx	
max. Earth dist.	11385 Apr 25 17:19	22° B 29'37	desc. node	11390 Apr 03 15:54	29° \approx 38'53	
	11385 May 06 03:57	0° Π		11390 Apr 04 06:03	0° X	
				11390 May 27 06:45	0° Υ	
conjunction	11385 Jun 04 17:26	21° ♄ 47'02		11390 Aug 09 23:39	0° B	
minimum elong	11385 Jun 04 19:44	21° ♄ 51'20	retrograde	11390 Aug 28 06:39	1° B 51'57	
	11385 Jun 15 15:01	0° ☿		11390 Sep 14 13:50	30° R Υ	
	11385 Jul 24 13:03	0° Ω	opposition	11390 Oct 05 01:17	23° ♄ 32'13	-4°58'35
morning rise	11385 Aug 07 13:32	10° Ω 59'23	greatest brilliancy	11390 Oct 06 03:47	23° ♄ 07'10	-1.6m
greatest brilliancy	11385 Aug 08 21:44	12° Ω 02'41	min. Earth dist.	11390 Oct 11 14:43	21° ♄ 03'40	0.59667 AU
asc. node	11385 Aug 10 10:47	13° Ω 15'31	direct	11390 Nov 14 20:13	13° ♄ 44'41	
	11385 Aug 31 16:25	0° ♄		11391 Jan 10 08:23	0° B	
	11385 Oct 08 21:25	0° ♁		11391 Mar 02 02:12	0° Π	
	11385 Nov 17 01:50	0° ♄	asc. node	11391 Apr 02 12:18	21° ♄ 58'38	
	11385 Dec 28 05:39	0° ♂		11391 Apr 13 10:18	0° ☿	
	11386 Feb 10 16:29	0° ♂		11391 May 22 19:15	0° Ω	
	11386 Apr 02 15:57	0° \approx		11391 Jun 30 06:05	0° ♄	
retrograde	11386 Jun 16 08:45	24° \approx 07'10		11391 Aug 08 01:50	0° ♁	
desc. node	11386 Jun 30 03:11	22° \approx 53'19		11391 Sep 17 04:13	0° ♄	
min. Earth dist.	11386 Jul 26 00:45	14° \approx 41'21	evening set	11391 Oct 22 21:53	25° ♄ 38'59	
opposition	11386 Jul 27 02:05	14° \approx 16'15		11391 Oct 29 02:54	0° ♂	
greatest brilliancy	11386 Jul 27 00:44	14° \approx 17'36		11391 Dec 12 02:08	0° ♂	
direct	11386 Sep 05 20:58	4° \approx 34'56				
	11386 Nov 25 03:59	0° X	conjunction	11391 Dec 15 01:45	1° ♂ 59'21	0°34'38
	11387 Jan 17 11:56	0° Υ	minimum elong	11391 Dec 15 03:03	2° ♂ 01'30	0°35'19
	11387 Mar 05 02:29	0° B	max. Earth dist.	11392 Jan 04 22:13	15° ♂ 44'25	2.61752 AU
	11387 Apr 16 21:28	0° Π		11392 Jan 26 22:14	0° \approx	
	11387 May 27 02:17	0° ☿	morning rise	11392 Jan 31 22:48	3° \approx 13'28	
evening set	11387 Jun 06 03:03	7° ☿ 42'43	desc. node	11392 Feb 19 06:03	14° \approx 52'46	
asc. node	11387 Jun 28 06:55	24° ☿ 58'57		11392 Mar 14 07:32	0° X	
	11387 Jul 04 15:56	0° Ω		11392 May 02 03:49	0° Υ	
	11387 Aug 11 12:50	0° ♄		11392 Jun 22 05:45	0° B	
				11392 Aug 18 22:48	0° Π	
conjunction	11387 Aug 14 02:38	2° ♄ 02'28	retrograde	11392 Oct 18 21:42	16° ♄ 38'38	
minimum elong	11387 Aug 13 23:18	1° ♄ 55'52	opposition	11392 Nov 21 12:32	10° ♄ 02'08	-4°42'19
	11387 Sep 18 14:51	0° ♁	greatest brilliancy	11392 Nov 23 03:15	9° ♄ 29'27	-2.3m
max. Earth dist.	11387 Sep 22 13:44	3° ♁ 04'41	min. Earth dist.	11392 Nov 30 06:32	7° ♄ 05'51	0.46557 AU
morning rise	11387 Oct 25 23:50	28° ♁ 39'50	direct	11392 Dec 28 08:26	1° ♄ 56'05	
	11387 Oct 27 18:29	0° ♄	asc. node	11393 Feb 17 18:00	17° ♄ 14'43	
	11387 Dec 07 18:03	0° ♂		11393 Mar 12 00:25	0° ☿	
	11388 Jan 20 05:32	0° ♂		11393 Apr 25 05:03	0° Ω	
	11388 Mar 07 01:32	0° \approx		11393 Jun 04 23:35	0° ♄	
	11388 Apr 28 18:21	0° X		11393 Jul 15 12:07	0° ♁	
desc. node	11388 May 17 00:34	8° X 56'59		11393 Oct 26 02:10	0° ♄	
retrograde	11388 Jul 19 21:36	26° X 43'29		11393 Oct 08 08:09	0° ♂	
opposition	11388 Aug 28 20:06	17° X 25'32		11393 Nov 22 07:41	0° ♂	
greatest brilliancy	11388 Aug 29 02:24	17° X 19'23	evening set	11393 Dec 06 13:55	9° ♂ 18'17	
min. Earth dist.	11388 Aug 31 14:30	16° X 20'36	desc. node	11394 Jan 05 23:47	28° ♂ 54'39	

	11394 Jan 07 16:38	0°♊	asc. node	11398 Oct 10 14:50	7°♎17'04	
				11398 Nov 09 06:56	0°♊	
conjunction	11394 Jan 22 03:50	9°♊14'14 -0°08'41		11398 Dec 19 17:22	0°♎	
minimum elong	11394 Jan 22 03:33	9°♊13'47 0°08'06		11399 Feb 02 00:30	0°♊	
behind sun begin	11394 Jan 21 11:08	8°♊47'39		11399 Apr 04 02:25	0°♊	
behind sun end	11394 Jan 22 19:59	9°♊39'55	retrograde	11399 Apr 28 21:33	3°♊53'20	
max. Earth dist.	11394 Jan 27 14:07	12°♊41'33 2.67518 AU		11399 May 22 10:03	30°♎♊	
	11394 Feb 23 20:49	0°♊	min. Earth dist.	11399 Jun 01 03:50	26°♊31'39 0.58097 AU	
morning rise	11394 Mar 07 02:57	7°♊07'22	opposition	11399 Jun 07 09:36	24°♊05'47 3°09'27	
	11394 Apr 12 06:54	0°♊	greatest brilliancy	11399 Jun 06 17:25	24°♊21'35 -1.7m	
	11394 May 29 15:15	0°♊	direct	11399 Jul 14 11:10	15°♊41'23	
	11394 Jul 15 23:01	0°♊	desc. node	11399 Aug 29 10:38	25°♊54'17	
	11394 Sep 01 20:35	0°♊		11399 Sep 08 14:11	0°♊	
	11394 Oct 22 17:54	0°♊		11399 Nov 07 12:08	0°♊	
retrograde	11395 Jan 04 09:37	25°♊30'49		11399 Dec 29 04:23	0°♊	
asc. node	11395 Jan 05 22:32	25°♊29'52		11400 Feb 15 06:20	0°♊	
opposition	11395 Feb 03 02:56	20°♊36'19 2°11'39	evening set	11400 Mar 26 23:49	26°♊14'07	
greatest brilliancy	11395 Feb 03 01:59	20°♊36'57 -3.1m		11400 Apr 01 12:44	0°♊	
min. Earth dist.	11395 Feb 03 12:46	20°♊29'46 0.36451 AU	max. Earth dist.	11400 Apr 11 07:55	6°♊43'46 2.52221 AU	
direct	11395 Mar 04 17:00	15°♊40'18		11400 May 14 07:24	0°♊	
	11395 Apr 24 02:55	0°♊				
	11395 Jun 15 08:54	0°♊	conjunction	11400 May 15 19:21	1°♊04'48 -0°59'33	
	11395 Aug 01 04:45	0°♎	minimum elong	11400 May 15 20:55	1°♊07'38 1°00'08	
	11395 Sep 16 15:34	0°♊		11400 Jun 24 00:04	0°♊	
	11395 Nov 02 16:44	0°♊	morning rise	11400 Jul 11 15:52	13°♊24'48	
desc. node	11395 Nov 23 22:34	13°♊25'11		11400 Aug 02 03:54	0°♊	
	11395 Dec 20 06:33	0°♊	asc. node	11400 Aug 28 07:25	20°♊25'58	
evening set	11396 Jan 13 02:17	14°♊59'45		11400 Sep 09 11:43	0°♊	
	11396 Feb 05 20:26	0°♊		11400 Oct 17 19:41	0°♊	
max. Earth dist.	11396 Feb 18 21:22	8°♊16'23 2.67761 AU		11400 Nov 26 02:46	0°♎	
				11401 Jan 06 13:05	0°♊	
conjunction	11396 Feb 26 08:00	13°♊00'47 -0°46'06		11401 Feb 20 23:52	0°♊	
minimum elong	11396 Feb 26 06:55	12°♊59'05 0°45'49		11401 Apr 18 05:41	0°♊	
	11396 Mar 23 19:42	0°♊	retrograde	11401 Jun 04 04:04	11°♊19'30	
morning rise	11396 Apr 09 19:38	11°♊01'03	min. Earth dist.	11401 Jul 12 07:42	2°♊22'04 0.66380 AU	
	11396 May 08 17:05	0°♊	opposition	11401 Jul 14 20:24	1°♊21'47 0°06'04	
	11396 Jun 22 06:55	0°♊	greatest brilliancy	11401 Jul 14 20:15	1°♊21'56 -1.4m	
	11396 Aug 04 12:44	0°♊	desc. node	11401 Jul 17 15:23	0°♊15'32	
	11396 Sep 15 14:50	0°♊		11401 Jul 18 07:15	30°♎♊	
	11396 Oct 27 04:01	0°♊	direct	11401 Aug 23 21:10	21°♊55'37	
asc. node	11396 Nov 22 20:32	18°♎59'58		11401 Oct 03 14:05	0°♊	
	11396 Dec 08 19:27	0°♊		11401 Dec 06 15:55	0°♊	
	11397 Jan 27 16:04	0°♎		11402 Jan 26 13:07	0°♊	
retrograde	11397 Mar 14 03:10	12°♎44'28		11402 Mar 13 12:47	0°♊	
min. Earth dist.	11397 Apr 10 09:43	7°♎37'24 0.44842 AU		11402 Apr 25 05:17	0°♊	
greatest brilliancy	11397 Apr 17 02:09	5°♎19'57 -2.4m	evening set	11402 May 14 03:45	13°♊54'57	
opposition	11397 Apr 18 19:45	4°♎44'03 6°00'13		11402 Jun 04 12:02	0°♊	
	11397 May 05 00:01	30°♎♊	max. Earth dist.	11402 Jun 05 21:26	1°♊03'41 2.38806 AU	
direct	11397 May 21 03:02	28°♊14'11		11402 Jul 13 04:33	0°♊	
	11397 Jun 07 03:25	0°♎				
	11397 Aug 18 10:15	0°♊	conjunction	11402 Jul 15 16:25	1°♊57'42 -0°00'15	
	11397 Oct 10 13:30	0°♊	minimum elong	11402 Jul 15 16:32	1°♊57'55 0°00'54	
desc. node	11397 Oct 11 03:34	0°♊20'36	behind sun begin	11402 Jul 14 11:40	1°♊01'11	
	11397 Nov 29 20:19	0°♊	behind sun end	11402 Jul 16 21:23	2°♊54'41	
	11398 Jan 17 14:03	0°♊	asc. node	11402 Jul 16 00:28	2°♊13'30	
evening set	11398 Feb 16 15:02	18°♊59'24		11402 Aug 20 03:23	0°♊	
	11398 Mar 05 17:19	0°♊	morning rise	11402 Sep 27 01:54	29°♎52'38	
max. Earth dist.	11398 Mar 13 04:27	4°♊51'28 2.62532 AU		11402 Sep 27 05:41	0°♊	
				11402 Nov 05 08:15	0°♎	
conjunction	11398 Apr 02 13:55	18°♊18'01 -1°07'44		11402 Dec 16 06:59	0°♊	
minimum elong	11398 Apr 02 13:22	18°♊17'05 1°07'53		11403 Jan 28 22:30	0°♊	
	11398 Apr 20 00:21	0°♊		11403 Mar 17 15:36	0°♊	
morning rise	11398 May 19 06:33	20°♊06'00		11403 May 13 18:21	0°♊	
	11398 Jun 02 08:50	0°♊	desc. node	11403 Jun 04 14:57	8°♊20'03	
	11398 Jul 13 21:58	0°♊	retrograde	11403 Jul 08 05:07	14°♊13'40	
	11398 Aug 22 23:38	0°♊	opposition	11403 Aug 17 14:40	4°♊40'14 -2°27'41	
	11398 Oct 01 03:38	0°♊	greatest brilliancy	11403 Aug 17 16:08	4°♊38'47 -1.3m	

min. Earth dist.	11403 Aug 18 21:11	4° H 10'10	0.68209 AU		11408 Nov 30 09:12	0° Z	
	11403 Aug 29 23:02	30° R					
direct	11403 Sep 28 02:52	24° \approx 42'51		conjunction	11409 Jan 08 17:56	25° Z 40'38	0°08'03
	11403 Oct 29 21:57	0° H		minimum elong	11409 Jan 08 18:15	25° Z 41'08	0°08'42
	11404 Jan 03 07:03	0° Y		behind sun begin	11409 Jan 08 01:48	25° Z 14'38	
	11404 Feb 20 23:28	0° B		behind sun end	11409 Jan 09 10:42	26° Z 07'37	
	11404 Apr 04 08:04	0° II			11409 Jan 15 11:16	0° \approx	
	11404 May 14 15:26	0° E		max. Earth dist.	11409 Jan 19 21:40	2° \approx 50'35	2.65929 AU
asc. node	11404 Jun 01 22:09	14° E 06'40		desc. node	11409 Jan 23 14:32	5° \approx 12'48	
	11404 Jun 22 04:32	0° O		morning rise	11409 Feb 22 18:27	24° \approx 23'30	
evening set	11404 Jul 21 01:13	22° O 51'45			11409 Mar 03 15:30	0° H	
	11404 Jul 30 01:10	0° M			11409 Apr 20 11:10	0° Y	
	11404 Sep 06 04:44	0° E			11409 Jun 07 19:47	0° B	
					11409 Jul 27 07:32	0° II	
conjunction	11404 Sep 30 09:39	18° E 37'25	1°04'04		11409 Sep 18 12:51	0° E	
minimum elong	11404 Sep 30 07:57	18° E 34'10	1°04'13	retrograde	11409 Dec 03 11:22	25° E 03'53	
	11404 Oct 15 11:35	0° M		opposition	11410 Jan 02 22:19	19° E 49'57	-1°30'39
max. Earth dist.	11404 Nov 19 05:55	25° M 28'31	2.45218 AU	greatest brilliancy	11410 Jan 03 08:44	19° E 42'33	-2.9m
	11404 Nov 25 13:59	0° A		min. Earth dist.	11410 Jan 08 17:52	18° E 11'09	0.38719 AU
morning rise	11404 Dec 02 22:26	5° A 12'12		asc. node	11410 Jan 23 12:27	14° E 48'26	
	11405 Jan 07 23:20	0° Z		direct	11410 Feb 03 22:53	13° E 54'02	
	11405 Feb 23 00:32	0° \approx			11410 Mar 28 16:17	0° O	
	11405 Apr 13 13:40	0° H			11410 May 16 17:25	0° M	
desc. node	11405 Apr 21 09:25	4° H 28'10			11410 Jun 29 16:28	0° E	
	11405 Jun 09 16:16	0° Y			11410 Aug 12 10:11	0° M	
retrograde	11405 Aug 12 23:28	17° Y 44'36			11410 Sep 26 04:16	0° A	
opposition	11405 Sep 20 18:58	8° Y 58'12	-4°26'49		11410 Nov 11 04:53	0° Z	
greatest brilliancy	11405 Sep 21 12:39	8° Y 41'12	-1.5m	desc. node	11410 Dec 11 11:31	19° Z 22'45	
min. Earth dist.	11405 Sep 25 21:39	7° Y 00'16	0.63362 AU		11410 Dec 28 04:36	0° \approx	
	11405 Oct 19 15:53	30° R H		evening set	11410 Dec 31 00:37	1° \approx 47'51	
direct	11405 Nov 01 04:26	28° H 58'39		max. Earth dist.	11411 Feb 11 04:41	28° \approx 30'44	2.68340 AU
	11405 Nov 14 02:32	0° Y					
	11406 Jan 25 12:50	0° B		conjunction	11411 Feb 13 18:45	0° H 09'07	-0°32'57
	11406 Mar 13 02:19	0° II		minimum elong	11411 Feb 13 17:51	0° H 07'42	0°32'32
asc. node	11406 Apr 20 02:30	27° II 32'22			11411 Feb 13 13:00	0° H	
	11406 Apr 23 09:01	0° E		morning rise	11411 Mar 29 01:33	27° H 43'16	
	11406 Jun 01 07:18	0° O			11411 Apr 01 14:51	0° Y	
	11406 Jul 09 10:46	0° M			11411 May 17 22:58	0° B	
	11406 Aug 16 23:11	0° E			11411 Jul 02 08:20	0° II	
	11406 Sep 25 17:39	0° M			11411 Aug 15 18:57	0° E	
evening set	11406 Oct 01 17:44	4° M 25'09			11411 Sep 28 13:31	0° O	
	11406 Nov 06 08:20	0° A			11411 Nov 11 18:26	0° M	
				asc. node	11411 Dec 11 14:58	18° M 59'51	
conjunction	11406 Nov 28 07:22	15° A 15'12	0°49'51		11411 Dec 31 02:21	0° E	
minimum elong	11406 Nov 28 09:05	15° A 18'08	0°50'31	retrograde	11412 Feb 20 22:19	15° E 48'51	
	11406 Dec 20 01:25	0° Z		min. Earth dist.	11412 Mar 17 17:19	11° E 25'28	0.39798 AU
max. Earth dist.	11406 Dec 26 06:17	4° Z 08'43	2.58032 AU	greatest brilliancy	11412 Mar 23 07:21	9° E 43'42	-2.8m
morning rise	11407 Jan 18 00:14	19° Z 07'44		opposition	11412 Mar 24 20:04	9° E 15'29	6°01'44
	11407 Feb 03 19:34	0° \approx		direct	11412 Apr 24 04:25	3° E 44'05	
desc. node	11407 Mar 08 23:29	20° \approx 59'40			11412 Jul 09 22:26	0° M	
	11407 Mar 23 11:48	0° H			11412 Aug 31 14:00	0° A	
	11407 May 12 09:34	0° Y			11412 Oct 20 08:05	0° Z	
	11407 Jul 05 18:46	0° B		desc. node	11412 Oct 28 14:17	5° Z 02'16	
retrograde	11407 Sep 27 23:56	27° B 31'48			11412 Dec 08 06:23	0° \approx	
opposition	11407 Nov 02 12:34	20° B 07'49	-5°14'18		11413 Jan 25 10:30	0° H	
greatest brilliancy	11407 Nov 04 03:01	19° B 33'18	-2.0m	evening set	11413 Feb 03 18:33	5° H 53'19	
min. Earth dist.	11407 Nov 10 21:51	17° B 07'41	0.52151 AU	max. Earth dist.	11413 Mar 04 21:50	24° H 28'52	2.65222 AU
direct	11407 Dec 11 10:22	11° B 05'33			11413 Mar 13 10:50	0° Y	
	11408 Feb 08 19:52	0° II					
asc. node	11408 Mar 07 08:00	16° II 28'55		conjunction	11413 Mar 20 01:13	4° Y 17'17	-1°01'57
	11408 Mar 27 08:53	0° E		minimum elong	11413 Mar 20 00:17	4° Y 15'45	1°01'56
	11408 May 07 11:17	0° O			11413 Apr 27 22:09	0° B	
	11408 Jun 15 21:09	0° M		morning rise	11413 May 03 21:50	4° B 02'05	
	11408 Jul 25 11:20	0° E			11413 Jun 10 16:21	0° II	
	11408 Sep 04 07:01	0° M			11413 Jul 22 18:28	0° E	
	11408 Oct 16 21:26	0° A			11413 Sep 01 10:37	0° O	
evening set	11408 Nov 21 06:00	23° A 56'15			11413 Oct 11 05:23	0° M	

asc. node	11413 Oct 28 10:47	13° \cap 01'45		11419 Jan 12 17:56	0° Υ	
	11413 Nov 20 01:58	0° $\underline{\text{B}}$		11419 Feb 28 23:49	0° B	
	11413 Dec 31 19:12	0° \cap		11419 Apr 12 23:43	0° \cap	
	11414 Feb 18 11:36	0° A		11419 May 23 05:49	0° B	
retrograde	11414 Apr 13 19:15	16° A 33'49		11419 Jun 19 15:04	21° B 12'33	
min. Earth dist.	11414 May 14 17:04	10° A 01'44	0.53261 AU	11419 Jun 22 08:18	23° B 20'23	
greatest brilliancy	11414 May 21 02:36	7° A 36'32	-2.0m	11419 Jun 30 19:35	0° Ω	
opposition	11414 May 22 05:42	7° A 10'49	4°24'48	11419 Aug 07 16:17	0° \cap	
	11414 Jun 17 00:46	30° R \cap				
direct	11414 Jun 26 16:04	29° \cap 23'34		conjunction	11419 Sep 01 16:13	19° \cap 45'12 0°48'09
	11414 Jul 06 14:53	0° A		minimum elong	11419 Sep 01 12:20	19° \cap 37'34 0°47'54
desc. node	11414 Sep 15 20:27	25° A 45'57			11419 Sep 14 18:19	0° $\underline{\text{B}}$
	11414 Sep 24 03:54	0° B			11419 Oct 23 22:14	0° \cap
	11414 Nov 17 09:50	0° \approx		max. Earth dist.	11419 Oct 24 23:33	0° \cap 47'29 2.39562 AU
	11415 Jan 06 14:28	0° H		morning rise	11419 Nov 10 19:16	13° \cap 16'57
	11415 Feb 23 05:08	0° Υ			11419 Dec 03 21:26	0° A
evening set	11415 Mar 12 09:39	11° Υ 13'06			11420 Jan 16 06:22	0° B
max. Earth dist.	11415 Mar 30 19:10	23° Υ 28'20	2.56807 AU		11420 Mar 02 16:25	0° \approx
	11415 Apr 09 10:38	0° B			11420 Apr 22 19:51	0° H
				desc. node	11420 May 08 01:52	8° H 04'02
conjunction	11415 Apr 28 15:31	13° B 13'23	-1°07'35		11420 Jun 29 16:55	0° Υ
minimum elong	11415 Apr 28 16:08	13° B 14'26	1°08'01	retrograde	11420 Jul 29 00:15	4° Υ 30'46
	11415 May 22 09:50	0° \cap			11420 Aug 24 23:10	30° R H
morning rise	11415 Jun 19 07:45	20° \cap 17'31		opposition	11420 Sep 06 14:43	25° H 22'57 -3°45'42
	11415 Jul 02 09:25	0° B		greatest brilliancy	11420 Sep 07 00:41	25° H 13'15 -1.3m
	11415 Aug 10 20:36	0° Ω		min. Earth dist.	11420 Sep 10 05:33	23° H 58'26 0.66053 AU
asc. node	11415 Sep 15 01:56	27° Ω 22'14		direct	11420 Oct 18 06:24	15° H 19'47
	11415 Sep 18 10:44	0° \cap			11420 Dec 12 17:22	0° Υ
	11415 Oct 26 23:53	0° $\underline{\text{B}}$			11421 Feb 05 05:35	0° B
	11415 Dec 05 13:03	0° \cap			11421 Mar 21 23:16	0° \cap
	11416 Jan 16 12:49	0° A			11421 May 01 16:44	0° B
	11416 Mar 03 23:29	0° B		asc. node	11421 May 06 15:57	3° B 47'12
retrograde	11416 May 21 15:06	27° B 49'37			11421 Jun 09 09:33	0° Ω
min. Earth dist.	11416 Jun 27 00:40	19° B 25'17	0.63861 AU		11421 Jul 17 09:01	0° \cap
opposition	11416 Jul 01 00:42	17° B 50'06	1°13'57		11421 Aug 24 16:41	0° $\underline{\text{B}}$
greatest brilliancy	11416 Jun 30 20:40	17° B 54'05	-1.5m	evening set	11421 Sep 05 20:19	9° $\underline{\text{B}}$ 20'47
desc. node	11416 Aug 03 03:28	8° B 56'57			11421 Oct 03 05:20	0° \cap
direct	11416 Aug 09 01:37	8° B 43'44				
	11416 Oct 20 06:54	0° \approx		conjunction	11421 Nov 08 01:56	26° \cap 06'02 1°01'37
	11416 Dec 15 16:52	0° H		minimum elong	11421 Nov 08 03:23	26° \cap 08'38 1°02'09
	11417 Feb 03 03:31	0° Υ			11421 Nov 13 13:44	0° A
	11417 Mar 20 18:10	0° B		max. Earth dist.	11421 Dec 14 03:14	21° A 13'59 2.53510 AU
evening set	11417 Apr 23 13:48	23° B 37'04			11421 Dec 27 02:00	0° B
	11417 May 02 10:36	0° \cap		morning rise	11422 Jan 01 17:17	3° B 46'38
max. Earth dist.	11417 May 07 11:02	3° \cap 38'44	2.44035 AU		11422 Feb 10 20:08	0° \approx
	11417 Jun 11 20:27	0° B		desc. node	11422 Mar 25 17:01	26° \approx 47'41
					11422 Mar 30 23:33	0° H
conjunction	11417 Jun 18 23:26	5° B 25'43	-0°30'06		11422 May 21 12:46	0° Υ
minimum elong	11417 Jun 19 01:36	5° B 29'52	0°30'48		11422 Jul 22 02:04	0° B
	11417 Jul 20 16:38	0° Ω		retrograde	11422 Sep 08 07:18	10° B 55'51
asc. node	11417 Aug 01 18:27	9° Ω 29'06		opposition	11422 Oct 15 09:05	2° B 53'36 -5°10'27
morning rise	11417 Aug 25 22:40	28° Ω 34'17		greatest brilliancy	11422 Oct 16 16:35	2° B 24'13 -1.7m
	11417 Aug 27 18:02	0° \cap		min. Earth dist.	11422 Oct 22 16:29	0° B 10'22 0.57225 AU
	11417 Oct 04 21:24	0° $\underline{\text{B}}$			11422 Oct 23 03:50	30° R Υ
	11417 Nov 13 00:10	0° \cap		direct	11422 Nov 24 15:42	23° Υ 17'16
	11417 Dec 24 00:23	0° A			11422 Dec 28 12:57	0° B
	11418 Feb 06 00:54	0° B			11423 Feb 23 21:02	0° \cap
	11418 Mar 27 07:59	0° \approx		asc. node	11423 Mar 24 22:16	19° \cap 37'25
	11418 Jun 07 07:15	0° H			11423 Apr 08 08:16	0° B
desc. node	11418 Jun 21 06:18	1° H 43'09			11423 May 18 03:40	0° Ω
retrograde	11418 Jun 24 22:09	1° H 48'06			11423 Jun 25 20:21	0° \cap
	11418 Jul 11 15:30	30° R \approx			11423 Aug 03 20:43	0° $\underline{\text{B}}$
opposition	11418 Aug 04 13:56	22° \approx 02'36	-1°31'50		11423 Sep 13 03:41	0° \cap
min. Earth dist.	11418 Aug 04 08:40	22° \approx 07'49	0.68277 AU		11423 Oct 25 06:31	0° A
greatest brilliancy	11418 Aug 04 12:51	22° \approx 03'41	-1.3m	evening set	11423 Nov 04 05:11	6° A 52'52
direct	11418 Sep 14 16:11	12° \approx 14'30			11423 Dec 08 09:06	0° B
	11418 Nov 17 19:39	0° H				

conjunction	11423 Dec 25 09:57	11°  15'47	0°24'59	min. Earth dist.	11429 Apr 24 03:08	20°  44'08	0.47894 AU
minimum elong	11423 Dec 25 10:53	11°  17'20	0°25'42	greatest brilliancy	11429 Apr 30 22:31	18°  17'47	-2.3m
max. Earth dist.	11424 Jan 11 14:16	22°  28'02	2.63491 AU	opposition	11429 May 02 12:25	17°  43'39	5°32'52
	11424 Jan 23 06:14	0°  ≈		direct	11429 Jun 05 00:22	10°  43'23	
morning rise	11424 Feb 10 01:31	11°  ≈23'21			11429 Aug 09 12:14	0°  ♂	
desc. node	11424 Feb 10 07:12	11°  ≈32'24		desc. node	11429 Oct 02 08:01	28°  ♂23'06	
	11424 Mar 10 12:37	0°  ♂			11429 Oct 05 04:38	0°  ♂	
	11424 Apr 27 21:56	0°  ♂			11429 Nov 25 13:46	0°  ≈	
	11424 Jun 16 18:18	0°  ♂			11430 Jan 13 18:19	0°  ♂	
	11424 Aug 09 04:07	0°  ♂		evening set	11430 Feb 25 17:44	27°  ♂12'23	
retrograde	11424 Nov 03 11:43	29°  ♂27'05			11430 Mar 02 01:26	0°  ♂	
opposition	11424 Dec 06 00:50	23°  ♂19'52	-3°57'18	max. Earth dist.	11430 Mar 20 00:37	11°  ♂44'31	2.60704 AU
greatest brilliancy	11424 Dec 07 09:36	22°  ♂53'31	-2.5m				
min. Earth dist.	11424 Dec 14 09:28	20°  ♂39'54	0.43503 AU	conjunction	11430 Apr 12 07:24	27°  ♂16'29	-1°09'12
direct	11425 Jan 10 07:38	15°  ♂55'41		minimum elong	11430 Apr 12 07:12	27°  ♂16'08	1°09'28
asc. node	11425 Feb 09 04:35	21°  ♂44'48			11430 Apr 16 08:04	0°  ♂	
	11425 Feb 27 23:14	0°  ♂			11430 May 29 13:40	0°  ♂	
	11425 Apr 17 22:15	0°  ♂		morning rise	11430 May 30 10:12	0°  ♂36'29	
	11425 May 30 03:24	0°  ♂			11430 Jul 09 22:07	0°  ♂	
	11425 Jul 10 10:27	0°  ♂			11430 Aug 18 18:36	0°  ♂	
	11425 Aug 21 13:31	0°  ♂			11430 Sep 26 17:07	0°  ♂	
	11425 Oct 04 05:04	0°  ♂		asc. node	11430 Oct 01 22:22	4°  ♂02'34	
	11425 Nov 18 11:36	0°  ♂			11430 Nov 04 13:53	0°  ♂	
evening set	11425 Dec 16 08:47	18°  ♂02'50			11430 Dec 14 13:35	0°  ♂	
desc. node	11425 Dec 28 00:54	25°  ♂32'00			11431 Jan 26 15:14	0°  ♂	
	11426 Jan 04 00:36	0°  ≈			11431 Mar 19 21:18	0°  ♂	
				retrograde	11431 May 08 10:48	13°  ♂18'40	
conjunction	11426 Jan 31 03:23	17°  ≈15'21	-0°18'03	min. Earth dist.	11431 Jun 11 21:24	5°  ♂32'41	0.60394 AU
minimum elong	11426 Jan 31 02:51	17°  ≈14'30	0°17'31	opposition	11431 Jun 17 08:14	3°  ♂24'03	2°26'12
max. Earth dist.	11426 Feb 02 15:01	18°  ≈49'58	2.68051 AU	greatest brilliancy	11431 Jun 16 21:17	3°  ♂34'50	-1.6m
	11426 Feb 20 05:41	0°  ♂			11431 Jun 26 08:59	30°  ♂♂	
morning rise	11426 Mar 15 17:19	14°  ♂53'21		direct	11431 Jul 25 04:01	24°  ♂42'48	
	11426 Apr 08 12:08	0°  ♂		desc. node	11431 Aug 20 14:41	28°  ♂28'57	
	11426 May 25 10:25	0°  ♂			11431 Aug 26 00:05	0°  ♂	
	11426 Jul 10 22:26	0°  ♂			11431 Nov 01 21:41	0°  ≈	
	11426 Aug 26 05:34	0°  ♂			11431 Dec 24 21:35	0°  ♂	
	11426 Oct 12 06:46	0°  ♂			11432 Feb 11 10:05	0°  ♂	
	11426 Dec 03 21:40	0°  ♂			11432 Mar 27 19:25	0°  ♂	
asc. node	11426 Dec 28 06:52	9°  ♂57'00		evening set	11432 Apr 05 11:45	5°  ♂57'08	
retrograde	11427 Jan 23 12:06	14°  ♂19'21		max. Earth dist.	11432 Apr 19 13:29	15°  ♂45'12	2.49391 AU
min. Earth dist.	11427 Feb 19 20:14	9°  ♂53'50	0.36747 AU		11432 May 09 13:39	0°  ♂	
opposition	11427 Feb 22 19:18	9°  ♂05'57	4°09'37				
greatest brilliancy	11427 Feb 22 06:05	9°  ♂14'52	-3.0m	conjunction	11432 May 27 06:20	12°  ♂54'13	-0°51'22
direct	11427 Mar 23 21:32	4°  ♂13'36		minimum elong	11432 May 27 08:24	12°  ♂58'01	0°52'01
	11427 Jun 05 10:02	0°  ♂			11432 Jun 19 04:06	0°  ♂	
	11427 Jul 25 19:22	0°  ♂		morning rise	11432 Jul 26 19:31	28°  ♂54'07	
	11427 Sep 11 16:39	0°  ♂			11432 Jul 28 05:22	0°  ♂	
	11427 Oct 29 11:35	0°  ♂		asc. node	11432 Aug 18 12:41	16°  ♂40'47	
desc. node	11427 Nov 15 01:48	10°  ♂23'00			11432 Sep 04 10:54	0°  ♂	
	11427 Dec 16 10:50	0°  ≈			11432 Oct 12 16:46	0°  ♂	
evening set	11428 Jan 22 00:18	22°  ≈55'59			11432 Nov 20 21:23	0°  ♂	
	11428 Feb 02 05:05	0°  ♂			11433 Jan 01 01:58	0°  ♂	
max. Earth dist.	11428 Feb 25 00:02	14°  ♂28'10	2.67094 AU		11433 Feb 14 18:54	0°  ♂	
					11433 Apr 08 04:12	0°  ≈	
conjunction	11428 Mar 06 03:18	20°  ♂57'15	-0°52'47	retrograde	11433 Jun 11 18:13	19°  ≈12'06	
minimum elong	11428 Mar 06 02:13	20°  ♂55'30	0°52'36	desc. node	11433 Jul 07 19:15	14°  ≈46'53	
	11428 Mar 20 04:35	0°  ♂		min. Earth dist.	11433 Jul 20 18:23	9°  ≈58'19	0.67336 AU
morning rise	11428 Apr 18 22:39	19°  ♂24'36		opposition	11433 Jul 22 11:16	9°  ≈17'44	-0°31'24
	11428 May 04 22:13	0°  ♂		greatest brilliancy	11433 Jul 22 10:14	9°  ≈18'45	-1.3m
	11428 Jun 18 04:43	0°  ♂			11433 Aug 25 02:32	30°  ♂♂	
	11428 Jul 30 23:28	0°  ♂		direct	11433 Aug 31 22:09	29°  ♂42'37	
	11428 Sep 10 11:16	0°  ♂			11433 Sep 07 22:15	0°  ≈	
	11428 Oct 21 04:45	0°  ♂			11433 Nov 29 22:51	0°  ♂	
asc. node	11428 Nov 14 04:31	17°  ♂36'06			11434 Jan 21 05:14	0°  ♂	
	11428 Dec 01 09:38	0°  ♂			11434 Mar 08 14:39	0°  ♂	
	11429 Jan 15 06:10	0°  ♂			11434 Apr 20 09:59	0°  ♂	
retrograde	11429 Mar 26 15:39	26°  ♂21'09		evening set	11434 May 27 04:37	27°  ♂20'10	

	11434 May 30 16:33	0°☿			11439 May 06 18:35	0°♊
asc. node	11434 Jul 06 07:24	28°☿24'26			11439 Jun 27 23:28	0°♋
	11434 Jul 08 08:01	0°♌			11439 Aug 30 06:08	0°♍
max. Earth dist.	11434 Jul 12 04:46	3°♌02'37	2.36611 AU	retrograde	11439 Oct 10 11:08	8°♍26'43
				opposition	11439 Nov 13 23:00	1°♍27'41 -5°01'23
conjunction	11434 Aug 01 11:46	19°♌05'48	0°18'47	greatest brilliancy	11439 Nov 15 14:44	0°♍53'01 -2.2m
minimum elong	11434 Aug 01 09:47	19°♌01'52	0°18'14		11439 Nov 18 03:14	30°♋♋
	11434 Aug 15 05:45	0°♎		min. Earth dist.	11439 Nov 22 15:50	28°♋26'23 0.49092 AU
	11434 Sep 22 07:18	0°♏		direct	11439 Dec 21 19:12	22°♋53'09
morning rise	11434 Oct 14 10:58	17°♏08'13			11440 Jan 24 14:05	0°♐
	11434 Oct 31 09:30	0°♐		asc. node	11440 Feb 26 17:22	16°♐30'04
	11434 Dec 11 07:14	0°♑			11440 Mar 19 06:07	0°♑
	11435 Jan 23 18:19	0°♒			11440 Apr 30 18:29	0°♓
	11435 Mar 11 19:42	0°♓			11440 Jun 09 20:07	0°♎
	11435 May 04 19:02	0°♈			11440 Jul 19 20:39	0°♏
desc. node	11435 May 25 17:46	9°♈31'47			11440 Aug 30 00:44	0°♐
retrograde	11435 Jul 15 23:18	21°♈51'05			11440 Oct 11 22:08	0°♑
opposition	11435 Aug 25 03:25	12°♈25'55	-2°58'02		11440 Nov 25 15:02	0°♒
greatest brilliancy	11435 Aug 25 07:21	12°♈22'03	-1.3m	evening set	11440 Nov 30 17:20	3°♒21'03
min. Earth dist.	11435 Aug 27 06:00	11°♈36'16	0.67740 AU		11441 Jan 10 19:52	0°♓
direct	11435 Oct 05 18:22	2°♈25'09		desc. node	11441 Jan 13 16:12	1°♓49'31
	11435 Dec 27 05:59	0°♊				
	11436 Feb 15 10:09	0°♋		conjunction	11441 Jan 17 01:53	4°♓00'14 -0°01'51
	11436 Mar 30 05:15	0°♌		minimum elong	11441 Jan 17 01:49	4°♓00'07 0°01'13
	11436 May 09 16:00	0°☿		behind sun begin	11441 Jan 16 06:55	3°♓29'54
asc. node	11436 May 23 08:11	10°☿30'43		behind sun end	11441 Jan 17 20:43	4°♓30'19
	11436 Jun 17 06:17	0°♌		max. Earth dist.	11441 Jan 25 01:35	9°♓06'18 2.66912 AU
	11436 Jul 25 03:27	0°♍			11441 Feb 26 23:30	0°♈
evening set	11436 Aug 07 07:41	10°♍25'11		morning rise	11441 Mar 02 10:45	2°♈11'37
greatest brilliancy	11436 Aug 18 15:15	19°♍19'09	1.1m		11441 Apr 15 13:12	0°♊
	11436 Sep 01 07:33	0°♎			11441 Jun 02 07:15	0°♋
	11436 Oct 10 15:18	0°♏			11441 Jul 20 10:53	0°♌
					11441 Sep 08 02:32	0°☿
conjunction	11436 Oct 15 12:00	3°♏37'25	1°06'21		11441 Nov 03 22:41	0°♌
minimum elong	11436 Oct 15 11:53	3°♏37'12	1°06'42	retrograde	11441 Dec 21 19:48	12°♌05'25
	11436 Nov 20 18:32	0°♑		asc. node	11442 Jan 13 22:40	8°♌53'34
max. Earth dist.	11436 Nov 29 15:32	6°♑16'28	2.48297 AU	opposition	11442 Jan 20 13:51	7°♌09'23 0°30'49
morning rise	11436 Dec 14 12:03	16°♑37'04		greatest brilliancy	11442 Jan 20 14:58	7°♌08'38 -3.0m
	11437 Jan 03 03:23	0°♒		min. Earth dist.	11442 Jan 23 16:03	6°♌19'13 0.37055 AU
	11437 Feb 18 00:06	0°♓		direct	11442 Feb 20 01:41	1°♌53'36
	11437 Apr 07 21:02	0°♈			11442 May 05 18:54	0°♎
desc. node	11437 Apr 11 09:34	2°♈04'21			11442 Jun 21 22:47	0°♏
	11437 Jun 01 04:06	0°♊			11442 Aug 06 02:14	0°♐
retrograde	11437 Aug 22 01:31	26°♊09'25			11442 Sep 20 15:54	0°♑
opposition	11437 Sep 29 08:04	17°♊37'09	-4°46'27		11442 Nov 06 04:26	0°♒
greatest brilliancy	11437 Sep 30 06:40	17°♊15'35	-1.5m	desc. node	11442 Dec 01 14:07	16°♒09'34
min. Earth dist.	11437 Oct 05 06:18	15°♊21'37	0.61442 AU		11442 Dec 23 11:07	0°♓
direct	11437 Nov 09 10:38	7°♊42'53		evening set	11443 Jan 08 02:58	9°♓53'19
	11438 Jan 17 06:32	0°♋			11443 Feb 08 22:24	0°♈
	11438 Mar 06 22:15	0°♌		max. Earth dist.	11443 Feb 16 04:41	4°♈36'21 2.68122 AU
asc. node	11438 Apr 10 12:05	24°♌34'54				
	11438 Apr 17 19:06	0°☿		conjunction	11443 Feb 21 12:47	7°♈59'47 -0°40'56
	11438 May 26 23:31	0°♌		minimum elong	11443 Feb 21 11:45	7°♈58'09 0°40'35
	11438 Jul 04 06:47	0°♍			11443 Mar 27 22:54	0°♊
	11438 Aug 11 22:19	0°♎		morning rise	11443 Apr 05 20:49	5°♊44'47
	11438 Sep 20 19:56	0°♏			11443 May 13 01:16	0°♋
evening set	11438 Oct 14 16:12	17°♏19'07			11443 Jun 26 23:51	0°♌
	11438 Nov 01 13:32	0°♑			11443 Aug 09 17:46	0°☿
					11443 Sep 21 11:54	0°♌
conjunction	11438 Dec 08 15:40	25°♑29'56	0°41'17		11443 Nov 02 23:00	0°♎
minimum elong	11438 Dec 08 17:11	25°♑32'29	0°42'00	asc. node	11443 Dec 01 22:19	19°♎54'30
	11438 Dec 15 08:30	0°♒			11443 Dec 17 09:22	0°♏
max. Earth dist.	11439 Jan 01 12:10	11°♒23'32	2.60181 AU		11444 Feb 17 14:21	0°♐
morning rise	11439 Jan 26 16:11	27°♒47'41		retrograde	11444 Mar 05 12:15	2°♐02'57
	11439 Jan 30 02:20	0°♓			11444 Mar 22 08:30	30°♋♏
desc. node	11439 Feb 26 23:12	17°♓44'29		min. Earth dist.	11444 Mar 31 22:29	27°♏18'40 0.42454 AU
	11439 Mar 18 13:24	0°♈		greatest brilliancy	11444 Apr 07 07:41	25°♏13'36 -2.6m

opposition	11444 Apr 09 01:30	24°♄39'11	6°11'20	conjunction	11449 Jul 03 10:48	20°♄18'39	-0°14'01
direct	11444 May 10 10:05	18°♄35'39		minimum elong	11449 Jul 03 12:06	20°♄21'11	0°14'42
	11444 Jun 26 05:42	0°♌		behind sun begin	11449 Jul 03 00:16	19°♄58'10	
	11444 Aug 24 04:29	0°♈		behind sun end	11449 Jul 03 23:56	20°♄44'13	
	11444 Oct 14 14:31	0°♊			11449 Jul 15 20:22	0°♏	
desc. node	11444 Oct 18 18:21	2°♊29'04		asc. node	11449 Jul 23 01:58	5°♏40'55	
	11444 Dec 03 05:53	0°♐			11449 Aug 22 20:30	0°♑	
	11445 Jan 20 17:45	0°♏		morning rise	11449 Sep 12 23:29	16°♑41'24	
evening set	11445 Feb 11 15:29	13°♏49'35			11449 Sep 29 22:45	0°♄	
	11445 Mar 08 20:20	0°♑			11449 Nov 08 00:15	0°♌	
max. Earth dist.	11445 Mar 10 06:34	0°♑55'27	2.63835 AU		11449 Dec 18 21:56	0°♈	
					11450 Jan 31 14:28	0°♊	
conjunction	11445 Mar 28 05:28	12°♑39'33	-1°05'49		11450 Mar 20 18:04	0°♐	
minimum elong	11445 Mar 28 04:43	12°♑38'19	1°05'54		11450 May 19 23:08	0°♏	
	11445 Apr 23 06:05	0°♉		desc. node	11450 Jun 11 08:02	6°♏54'46	
morning rise	11445 May 13 00:03	13°♉26'30		retrograde	11450 Jul 02 12:25	9°♏26'17	
	11445 Jun 05 19:41	0°♐			11450 Aug 11 12:04	30°♑	
	11445 Jul 17 15:03	0°♄		opposition	11450 Aug 12 01:07	29°♑47'07	-2°05'13
	11445 Aug 26 23:17	0°♏		greatest brilliancy	11450 Aug 12 01:09	29°♑47'05	-1.3m
	11445 Oct 05 09:27	0°♑		min. Earth dist.	11450 Aug 12 15:50	29°♑32'35	0.68369 AU
asc. node	11445 Oct 18 16:33	10°♑10'10		direct	11450 Sep 22 09:03	19°♑53'18	
	11445 Nov 13 18:46	0°♄			11450 Nov 07 06:39	0°♏	
	11445 Dec 24 14:45	0°♌			11451 Jan 06 15:28	0°♑	
	11446 Feb 08 02:03	0°♈			11451 Feb 23 17:54	0°♉	
retrograde	11446 Apr 23 04:36	27°♈11'23			11451 Apr 08 00:14	0°♐	
min. Earth dist.	11446 May 25 10:22	20°♈10'28	0.56039 AU		11451 May 18 08:01	0°♄	
greatest brilliancy	11446 May 31 09:20	17°♈52'40	-1.8m	asc. node	11451 Jun 09 22:52	17°♄28'29	
opposition	11446 Jun 01 06:00	17°♈32'41	3°41'41		11451 Jun 25 21:55	0°♏	
direct	11446 Jul 07 14:39	9°♈23'37		evening set	11451 Jul 08 16:41	10°♏06'06	
desc. node	11446 Sep 06 01:27	25°♈41'39			11451 Aug 02 18:39	0°♑	
	11446 Sep 15 11:30	0°♊			11451 Sep 09 20:58	0°♄	
	11446 Nov 11 13:04	0°♐					
	11447 Jan 01 13:48	0°♏		conjunction	11451 Sep 18 18:39	6°♄54'45	0°59'09
	11447 Feb 18 11:47	0°♑		minimum elong	11451 Sep 18 15:41	6°♄49'01	0°59'08
evening set	11447 Mar 21 02:37	20°♑05'34			11451 Oct 19 01:27	0°♌	
	11447 Apr 04 19:00	0°♉		max. Earth dist.	11451 Nov 10 12:19	16°♌37'31	2.42659 AU
max. Earth dist.	11447 Apr 06 16:04	1°♉16'48	2.54364 AU	morning rise	11451 Nov 24 08:09	26°♌38'03	
					11451 Nov 29 01:05	0°♈	
conjunction	11447 May 08 15:24	23°♉31'58	-1°03'53		11452 Jan 11 08:21	0°♊	
minimum elong	11447 May 08 16:34	23°♉34'02	1°04'24		11452 Feb 26 11:02	0°♐	
	11447 May 17 16:58	0°♐			11452 Apr 16 11:43	0°♏	
	11447 Jun 27 13:36	0°♄		desc. node	11452 Apr 28 02:59	6°♏29'00	
morning rise	11447 Jul 01 23:07	3°♄18'19			11452 Jun 15 07:18	0°♑	
	11447 Aug 05 21:10	0°♏		retrograde	11452 Aug 06 09:57	12°♑29'29	
asc. node	11447 Sep 05 09:23	23°♏46'57		opposition	11452 Sep 14 14:30	3°♑33'01	-4°10'29
	11447 Sep 13 07:50	0°♑		greatest brilliancy	11452 Sep 15 04:39	3°♑19'20	-1.4m
	11447 Oct 21 17:21	0°♄		min. Earth dist.	11452 Sep 19 01:20	1°♑49'38	0.64699 AU
	11447 Nov 30 01:35	0°♌			11452 Sep 23 21:32	30°♑	
	11448 Jan 10 14:57	0°♈		direct	11452 Oct 26 03:27	23°♏30'48	
	11448 Feb 25 14:43	0°♊			11452 Nov 29 18:36	0°♑	
	11448 Apr 26 07:50	0°♐			11453 Jan 29 14:32	0°♉	
retrograde	11448 May 29 11:08	6°♐09'32			11453 Mar 16 08:48	0°♐	
	11448 Jun 29 04:24	30°♑			11453 Apr 26 10:24	0°♄	
min. Earth dist.	11448 Jul 05 20:31	27°♊25'58	0.65385 AU	asc. node	11453 Apr 27 02:12	0°♄29'54	
opposition	11448 Jul 09 00:41	26°♊10'16	0°33'41		11453 Jun 04 06:31	0°♏	
greatest brilliancy	11448 Jul 08 23:16	26°♊11'40	-1.4m		11453 Jul 12 08:00	0°♑	
desc. node	11448 Jul 24 07:14	20°♊37'35			11453 Aug 19 17:29	0°♄	
direct	11448 Aug 17 15:01	16°♊52'16		evening set	11453 Sep 20 21:53	24°♄28'07	
	11448 Oct 10 14:06	0°♐			11453 Sep 28 08:07	0°♌	
	11448 Dec 09 18:17	0°♏			11453 Nov 08 18:41	0°♈	
	11449 Jan 29 01:20	0°♑					
	11449 Mar 15 22:30	0°♉		conjunction	11453 Nov 19 21:16	7°♈47'42	0°55'26
	11449 Apr 27 16:27	0°♐		minimum elong	11453 Nov 19 23:00	7°♈50'42	0°56'03
evening set	11449 May 04 19:47	5°♐11'35		max. Earth dist.	11453 Dec 21 07:24	29°♈18'32	2.56102 AU
max. Earth dist.	11449 May 21 12:28	17°♐31'44	2.41067 AU		11453 Dec 22 08:04	0°♊	
	11449 Jun 07 01:37	0°♄		morning rise	11454 Jan 11 04:37	13°♊12'17	
					11454 Feb 06 00:47	0°♐	

desc. node	11454 Mar 15 17:24	23° \approx 46'16	direct	11459 Apr 11 10:01	21° \cap 53'06
	11454 Mar 25 20:02	0° H		11459 May 19 00:52	0° Ω
	11454 May 15 06:59	0° Υ		11459 Jul 17 05:50	0° M
	11454 Jul 10 18:58	0° B		11459 Sep 05 08:01	0° A
retrograde	11454 Sep 19 03:23	20° B 36'02		11459 Oct 24 02:34	0° Z
opposition	11454 Oct 25 09:06	12° B 53'50 -5°15'32	desc. node	11459 Nov 05 05:42	7° Z 29'28
greatest brilliancy	11454 Oct 26 20:53	12° B 21'03 -1.9m		11459 Dec 11 13:55	0° \approx
min. Earth dist.	11454 Nov 02 07:39	9° B 59'41 0.54514 AU		11460 Jan 28 13:43	0° H
direct	11454 Dec 03 23:01	3° B 33'51	evening set	11460 Jan 29 20:55	0° H 49'12
	11455 Feb 15 08:39	0° II	max. Earth dist.	11460 Mar 01 03:46	20° H 42'23 2.66171 AU
asc. node	11455 Mar 15 07:58	17° II 51'26			
	11455 Apr 01 18:20	0° G	conjunction	11460 Mar 14 00:23	28° H 59'04 -0°58'31
	11455 May 12 05:30	0° Ω	minimum elong	11460 Mar 13 23:20	28° H 57'23 0°58'26
	11455 Jun 20 06:51	0° \cap		11460 Mar 15 14:04	0° Υ
	11455 Jul 29 13:36	0° Ω	morning rise	11460 Apr 27 07:43	28° Υ 04'16
	11455 Sep 08 01:59	0° M		11460 Apr 30 04:58	0° B
	11455 Oct 20 09:42	0° A		11460 Jun 13 05:16	0° II
evening set	11455 Nov 14 16:27	17° A 17'31		11460 Jul 25 15:16	0° G
	11455 Dec 03 15:50	0° Z		11460 Sep 04 15:59	0° Ω
				11460 Oct 14 19:54	0° \cap
conjunction	11456 Jan 03 06:39	20° Z 05'40 0°15'07	asc. node	11460 Nov 04 12:53	15° \cap 29'48
minimum elong	11456 Jan 03 07:13	20° Z 06'36 0°15'49		11460 Nov 24 03:24	0° Ω
behind sun begin	11456 Jan 03 05:53	20° Z 04'27		11461 Jan 05 18:29	0° M
behind sun end	11456 Jan 03 08:32	20° Z 08'45		11461 Feb 27 23:30	0° A
max. Earth dist.	11456 Jan 17 01:49	29° Z 00'45 2.64941 AU	retrograde	11461 Apr 06 06:42	8° A 41'28
	11456 Jan 18 14:39	0° \approx	min. Earth dist.	11461 May 06 01:47	2° A 33'31 0.50900 AU
desc. node	11456 Jan 31 07:57	8° \approx 09'15		11461 May 12 23:30	30° R M
morning rise	11456 Feb 17 22:43	19° \approx 21'38	greatest brilliancy	11461 May 12 17:26	0° A 05'39 -2.1m
	11456 Mar 05 18:59	0° H	opposition	11461 May 14 01:26	29° M 35'51 4°55'58
	11456 Apr 22 19:38	0° Υ	direct	11461 Jun 17 16:13	22° M 08'15
	11456 Jun 10 17:48	0° B		11461 Jul 26 11:33	0° A
	11456 Jul 31 14:01	0° II	desc. node	11461 Sep 22 11:31	26° A 53'59
	11456 Sep 27 13:58	0° G		11461 Sep 28 06:04	0° Z
retrograde	11456 Nov 19 17:47	13° G 44'08		11461 Nov 20 03:15	0° \approx
opposition	11456 Dec 21 02:36	8° G 07'54 -2°45'22		11462 Jan 08 21:32	0° H
greatest brilliancy	11456 Dec 22 00:13	7° G 51'39 -2.7m		11462 Feb 25 09:39	0° Υ
min. Earth dist.	11456 Dec 28 10:33	5° G 56'36 0.40646 AU	evening set	11462 Mar 06 00:10	5° Υ 35'13
direct	11457 Jan 23 14:39	1° G 32'41	max. Earth dist.	11462 Mar 26 01:49	18° Υ 49'12 2.58642 AU
asc. node	11457 Jan 30 12:32	1° G 52'49		11462 Apr 11 16:45	0° B
	11457 Apr 07 11:47	0° Ω			
	11457 May 22 09:43	0° \cap	conjunction	11462 Apr 21 09:30	6° B 37'16 -1°08'59
	11457 Jul 03 22:10	0° Ω	minimum elong	11462 Apr 21 09:44	6° B 37'40 1°09'22
	11457 Aug 15 19:20	0° M		11462 May 24 19:45	0° II
	11457 Sep 28 23:36	0° A	morning rise	11462 Jun 10 07:15	11° II 50'57
	11457 Nov 13 14:36	0° Z		11462 Jul 05 00:09	0° G
desc. node	11457 Dec 18 03:57	22° Z 13'20		11462 Aug 13 15:52	0° Ω
evening set	11457 Dec 24 19:23	26° Z 27'37		11462 Sep 21 09:50	0° \cap
	11457 Dec 30 08:42	0° \approx	asc. node	11462 Sep 22 04:15	0° \cap 35'51
				11462 Oct 30 01:45	0° Ω
conjunction	11458 Feb 07 22:48	25° \approx 07'40 -0°26'58		11462 Dec 08 17:44	0° M
minimum elong	11458 Feb 07 22:02	25° \approx 06'27 0°26'30		11463 Jan 20 00:43	0° A
max. Earth dist.	11458 Feb 07 14:46	24° \approx 54'56 2.68316 AU		11463 Mar 09 17:55	0° Z
	11458 Feb 15 15:17	0° H	retrograde	11463 May 16 16:27	22° Z 14'24
morning rise	11458 Mar 23 07:18	22° H 39'50	min. Earth dist.	11463 Jun 21 05:17	14° Z 06'17 0.62418 AU
	11458 Apr 03 19:06	0° Υ	opposition	11463 Jun 25 20:40	12° Z 16'03 1°43'42
	11458 May 20 09:35	0° B	greatest brilliancy	11463 Jun 25 14:02	12° Z 22'38 -1.6m
	11458 Jul 05 06:10	0° II	direct	11463 Aug 03 08:38	3° Z 20'16
	11458 Aug 19 10:21	0° G	desc. node	11463 Aug 10 18:42	3° Z 40'02
	11458 Oct 03 08:37	0° Ω		11463 Oct 25 14:24	0° \approx
	11458 Nov 18 19:10	0° \cap		11463 Dec 19 10:25	0° H
asc. node	11458 Dec 18 15:57	17° \cap 03'46		11464 Feb 06 12:25	0° Υ
	11459 Jan 19 10:18	0° Ω		11464 Mar 23 02:13	0° B
retrograde	11459 Feb 09 04:46	2° Ω 54'44	evening set	11464 Apr 15 11:14	16° B 10'30
	11459 Mar 02 02:21	30° R \cap	max. Earth dist.	11464 Apr 28 22:25	25° B 44'08 2.46467 AU
min. Earth dist.	11459 Mar 07 04:00	28° \cap 38'29 0.38079 AU		11464 May 04 20:45	0° II
opposition	11459 Mar 12 19:01	27° \cap 01'50 5°30'41			
greatest brilliancy	11459 Mar 11 15:02	27° \cap 22'00 -2.9m	conjunction	11464 Jun 08 14:35	25° II 37'33 -0°40'23

minimum elong	11464 Jun 08 16:52	25° Π 41'52	0°41'04	opposition	11469 Oct 08 06:13	26° Υ 37'16	-5°01'57
	11464 Jun 14 09:40	0° \mathfrak{D}		greatest brilliancy	11469 Oct 09 09:53	26° Υ 11'10	-1.6m
	11464 Jul 23 08:33	0° Ω		min. Earth dist.	11469 Oct 14 23:08	24° Υ 05'34	0.59222 AU
asc. node	11464 Aug 08 20:00	12° Ω 55'09		direct	11469 Nov 17 22:37	16° Υ 51'10	
morning rise	11464 Aug 12 05:57	15° Ω 36'25			11470 Jan 06 19:23	0° \mathfrak{B}	
	11464 Aug 30 11:51	0° \mathfrak{M}			11470 Feb 28 05:11	0° Π	
	11464 Oct 07 15:50	0° \mathfrak{L}		asc. node	11470 Mar 31 21:27	21° Π 55'58	
	11464 Nov 15 18:13	0° \mathfrak{M}			11470 Apr 11 22:35	0° \mathfrak{D}	
	11464 Dec 26 18:32	0° \mathfrak{A}			11470 May 21 10:58	0° Ω	
	11465 Feb 08 22:37	0° \mathfrak{B}			11470 Jun 28 22:54	0° \mathfrak{M}	
	11465 Mar 31 02:38	0° \approx			11470 Aug 06 18:26	0° \mathfrak{L}	
retrograde	11465 Jun 19 07:47	26° \approx 57'39			11470 Sep 15 19:52	0° \mathfrak{M}	
desc. node	11465 Jun 27 22:46	26° \approx 29'00		evening set	11470 Oct 26 16:16	29° \mathfrak{M} 16'19	
min. Earth dist.	11465 Jul 29 03:15	17° \approx 28'39	0.67981 AU		11470 Oct 27 17:15	0° \mathfrak{A}	
opposition	11465 Jul 30 00:13	17° \approx 07'50	-1°07'27		11470 Dec 10 15:02	0° \mathfrak{B}	
greatest brilliancy	11465 Jul 29 22:46	17° \approx 09'16	-1.3m				
direct	11465 Sep 08 19:37	7° \approx 25'05		conjunction	11470 Dec 18 09:35	5° \mathfrak{B} 10'34	0°31'58
	11465 Nov 22 09:07	0° \mathfrak{H}		minimum elong	11470 Dec 18 10:47	5° \mathfrak{B} 12'33	0°32'41
	11466 Jan 15 15:18	0° Υ		max. Earth dist.	11471 Jan 07 09:17	18° \mathfrak{B} 19'35	2.62124 AU
	11466 Mar 03 13:51	0° \mathfrak{B}			11471 Jan 25 09:35	0° \approx	
	11466 Apr 15 13:16	0° Π		morning rise	11471 Feb 03 23:44	6° \approx 09'19	
	11466 May 25 20:47	0° \mathfrak{D}		desc. node	11471 Feb 17 00:32	14° \approx 27'29	
evening set	11466 Jun 10 09:36	11° \mathfrak{D} 56'54			11471 Mar 13 16:48	0° \mathfrak{H}	
asc. node	11466 Jun 26 16:00	24° \mathfrak{D} 37'57			11471 May 01 09:17	0° Υ	
	11466 Jul 03 11:54	0° Ω			11471 Jun 21 01:54	0° \mathfrak{B}	
	11466 Aug 10 09:09	0° \mathfrak{M}			11471 Aug 16 06:30	0° Π	
				retrograde	11471 Oct 23 23:19	20° Π 18'44	
conjunction	11466 Aug 18 22:30	6° \mathfrak{M} 46'54	0°36'38	opposition	11471 Nov 26 10:24	13° Π 47'07	-4°32'26
minimum elong	11466 Aug 18 18:53	6° \mathfrak{M} 39'44	0°36'14	greatest brilliancy	11471 Nov 27 23:51	13° Π 15'41	-2.3m
	11466 Sep 17 10:28	0° \mathfrak{L}		min. Earth dist.	11471 Dec 05 03:37	10° Π 53'02	0.45988 AU
max. Earth dist.	11466 Oct 01 12:07	10° \mathfrak{L} 55'29	2.37363 AU	direct	11472 Jan 01 22:49	5° Π 48'06	
	11466 Oct 26 12:26	0° \mathfrak{M}		asc. node	11472 Feb 17 04:09	18° Π 31'41	
morning rise	11466 Oct 30 09:21	2° \mathfrak{M} 54'26			11472 Mar 09 04:47	0° \mathfrak{D}	
	11466 Dec 06 09:27	0° \mathfrak{A}			11472 Apr 23 08:13	0° Ω	
	11467 Jan 18 17:12	0° \mathfrak{B}			11472 Jun 03 09:20	0° \mathfrak{M}	
	11467 Mar 06 06:47	0° \approx			11472 Jul 14 00:06	0° \mathfrak{L}	
	11467 Apr 27 06:18	0° \mathfrak{H}			11472 Aug 24 14:35	0° \mathfrak{M}	
desc. node	11467 May 15 19:10	9° \mathfrak{H} 21'20			11472 Oct 06 20:14	0° \mathfrak{A}	
retrograde	11467 Jul 23 22:08	29° \mathfrak{H} 33'40			11472 Nov 20 19:15	0° \mathfrak{B}	
opposition	11467 Sep 01 19:04	20° \mathfrak{H} 17'44	-3°26'37	evening set	11472 Dec 09 19:09	12° \mathfrak{B} 22'57	
greatest brilliancy	11467 Sep 02 02:11	20° \mathfrak{H} 10'47	-1.3m	desc. node	11473 Jan 03 17:21	28° \mathfrak{B} 26'25	
min. Earth dist.	11467 Sep 04 17:53	19° \mathfrak{H} 08'29	0.66930 AU		11473 Jan 06 03:48	0° \approx	
direct	11467 Oct 13 10:37	10° \mathfrak{H} 14'56					
	11467 Dec 19 02:22	0° Υ		conjunction	11473 Jan 25 04:45	12° \approx 09'03	-0°11'30
	11468 Feb 09 13:02	0° \mathfrak{B}		minimum elong	11473 Jan 25 04:24	12° \approx 08'29	0°10'54
	11468 Mar 24 21:51	0° Π		behind sun begin	11473 Jan 24 14:31	11° \approx 46'25	
	11468 May 04 13:28	0° \mathfrak{D}		behind sun end	11473 Jan 25 18:16	12° \approx 30'32	
asc. node	11468 May 13 15:56	6° \mathfrak{D} 57'54		max. Earth dist.	11473 Jan 30 03:48	15° \approx 18'18	2.67655 AU
	11468 Jun 12 05:36	0° Ω			11473 Feb 22 07:43	0° \mathfrak{H}	
	11468 Jul 20 04:03	0° \mathfrak{M}		morning rise	11473 Mar 10 01:22	9° \mathfrak{H} 57'42	
evening set	11468 Aug 24 07:02	27° \mathfrak{M} 35'12			11473 Apr 10 17:07	0° Υ	
	11468 Aug 27 09:37	0° \mathfrak{L}			11473 May 27 23:39	0° \mathfrak{B}	
	11468 Oct 05 18:59	0° \mathfrak{M}			11473 Jul 14 03:13	0° Π	
					11473 Aug 30 15:19	0° \mathfrak{D}	
conjunction	11468 Oct 29 06:25	17° \mathfrak{M} 16'39	1°04'45		11473 Oct 19 08:37	0° Ω	
minimum elong	11468 Oct 29 07:25	17° \mathfrak{M} 18'29	1°05'14		11474 Jan 01 11:58	0° \mathfrak{M}	
	11468 Nov 15 23:44	0° \mathfrak{A}		asc. node	11474 Jan 04 07:35	0° \mathfrak{M} 14'20	
max. Earth dist.	11468 Dec 08 07:43	15° \mathfrak{A} 38'33	2.51251 AU	retrograde	11474 Jan 09 09:19	0° \mathfrak{M} 24'27	
morning rise	11468 Dec 25 02:39	27° \mathfrak{A} 07'25			11474 Jan 17 07:26	30° \mathfrak{R} Ω	
	11468 Dec 29 08:50	0° \mathfrak{B}		opposition	11474 Feb 08 03:41	25° Ω 28'09	2°41'29
	11469 Feb 13 02:21	0° \approx		greatest brilliancy	11474 Feb 08 00:55	25° Ω 29'59	-3.1m
desc. node	11469 Apr 01 10:29	29° \approx 23'31		min. Earth dist.	11474 Feb 07 20:56	25° Ω 32'38	0.36429 AU
	11469 Apr 02 10:46	0° \mathfrak{H}		direct	11474 Mar 09 12:14	20° Ω 34'34	
	11469 May 24 21:14	0° Υ			11474 Apr 18 10:01	0° \mathfrak{M}	
	11469 Jul 31 21:27	0° \mathfrak{B}			11474 Jun 12 19:14	0° \mathfrak{L}	
retrograde	11469 Aug 31 15:08	4° \mathfrak{B} 53'45			11474 Jul 30 05:41	0° \mathfrak{M}	
	11469 Sep 28 19:42	30° \mathfrak{R} Υ			11474 Sep 14 21:49	0° \mathfrak{A}	

	11474 Nov 01 01:15	0°♄		asc. node	11479 Aug 26 14:57	20°♊03'41	
desc. node	11474 Nov 21 16:49	13°♄01'43			11479 Sep 08 06:34	0°♊	
	11474 Dec 18 16:22	0°♊			11479 Oct 16 13:44	0°♊	
evening set	11475 Jan 16 02:31	17°♊52'44			11479 Nov 24 18:45	0°♊	
	11475 Feb 04 07:20	0°♊			11480 Jan 05 00:52	0°♊	
max. Earth dist.	11475 Feb 21 06:16	10°♊45'22	2.67663 AU		11480 Feb 19 01:59	0°♄	
					11480 Apr 13 12:46	0°♊	
conjunction	11475 Mar 01 07:02	15°♊52'27	-0°48'12	retrograde	11480 Jun 06 03:11	14°♊10'49	
minimum elong	11475 Mar 01 05:56	15°♊50'43	0°47'56	min. Earth dist.	11480 Jul 14 09:57	5°♊10'02	0.66583 AU
	11475 Mar 23 07:37	0°♊		desc. node	11480 Jul 14 11:07	5°♊08'52	
morning rise	11475 Apr 13 19:33	13°♊56'30		opposition	11480 Jul 16 18:37	4°♊13'40	-0°05'01
	11475 May 08 05:43	0°♄		greatest brilliancy	11480 Jul 16 18:30	4°♊13'47	-1.4m
	11475 Jun 21 19:39	0°♊			11480 Jul 27 22:12	30°♊♄	
	11475 Aug 04 00:41	0°♄		direct	11480 Aug 25 20:15	24°♄45'44	
	11475 Sep 15 00:46	0°♊			11480 Sep 26 20:35	0°♊	
	11475 Oct 26 09:39	0°♊			11480 Dec 03 10:16	0°♊	
asc. node	11475 Nov 22 06:02	19°♊16'28			11481 Jan 23 20:27	0°♊	
	11475 Dec 07 14:18	0°♊			11481 Mar 11 02:03	0°♄	
	11476 Jan 24 11:17	0°♊			11481 Apr 22 21:59	0°♊	
retrograde	11476 Mar 17 22:19	16°♊48'39		evening set	11481 May 17 00:30	17°♊44'03	
min. Earth dist.	11476 Apr 14 08:17	11°♊36'55	0.45419 AU		11481 Jun 02 06:42	0°♄	
greatest brilliancy	11476 Apr 21 03:09	9°♊16'25	-2.4m	max. Earth dist.	11481 Jun 10 18:18	6°♄29'14	2.38283 AU
opposition	11476 Apr 22 20:14	8°♊40'43	5°55'49		11481 Jul 11 00:04	0°♊	
direct	11476 May 25 09:32	2°♊04'54		asc. node	11481 Jul 13 08:30	1°♊50'56	
	11476 Aug 15 14:08	0°♊					
desc. node	11476 Oct 08 22:43	0°♄14'29		conjunction	11481 Jul 19 07:58	6°♊33'24	0°04'22
	11476 Oct 08 12:45	0°♄		minimum elong	11481 Jul 19 07:32	6°♊32'34	0°03'44
	11476 Nov 28 02:10	0°♊		behind sun begin	11481 Jul 18 02:45	5°♊35'50	
	11477 Jan 15 23:24	0°♊		behind sun end	11481 Jul 20 12:19	7°♊29'19	
evening set	11477 Feb 19 15:33	21°♊54'21			11481 Aug 17 22:50	0°♊	
	11477 Mar 04 05:12	0°♊			11481 Sep 25 00:17	0°♊	
max. Earth dist.	11477 Mar 15 21:38	7°♊36'11	2.62207 AU	morning rise	11481 Oct 01 01:13	4°♊42'25	
					11481 Nov 03 01:11	0°♊	
conjunction	11477 Apr 05 16:42	21°♊20'26	-1°08'21		11481 Dec 13 21:20	0°♊	
minimum elong	11477 Apr 05 16:13	21°♊19'39	1°08'33		11482 Jan 26 08:37	0°♄	
	11477 Apr 18 14:17	0°♄			11482 Mar 14 16:59	0°♊	
morning rise	11477 May 22 15:13	23°♄24'14			11482 May 09 09:12	0°♊	
	11477 Jun 01 00:21	0°♊		desc. node	11482 Jun 01 11:01	9°♊26'33	
	11477 Jul 12 14:32	0°♄		retrograde	11482 Jul 10 04:20	17°♊01'38	
	11477 Aug 21 16:37	0°♊		opposition	11482 Aug 19 12:30	7°♊29'53	-2°36'47
	11477 Sep 29 20:08	0°♊		greatest brilliancy	11482 Aug 19 14:27	7°♊27'58	-1.3m
asc. node	11477 Oct 09 00:18	7°♊04'06		min. Earth dist.	11482 Aug 20 23:00	6°♊55'53	0.68153 AU
	11477 Nov 07 21:31	0°♊			11482 Sep 10 06:57	30°♊♊	
	11477 Dec 18 03:12	0°♊		direct	11482 Sep 30 00:21	27°♊31'44	
	11478 Jan 30 21:17	0°♊			11482 Oct 21 03:19	0°♊	
retrograde	11478 Mar 28 15:22	0°♄			11482 Dec 31 01:37	0°♊	
	11478 May 02 01:55	7°♄04'57			11483 Feb 18 08:34	0°♄	
	11478 Jun 03 14:22	30°♊♊			11483 Apr 02 23:20	0°♊	
min. Earth dist.	11478 Jun 04 13:22	29°♊37'56	0.58545 AU		11483 May 13 09:54	0°♄	
opposition	11478 Jun 10 14:51	27°♊15'44	2°57'52	asc. node	11483 May 31 08:29	13°♄49'11	
greatest brilliancy	11478 Jun 10 00:01	27°♊30'16	-1.7m		11483 Jun 21 00:26	0°♊	
direct	11478 Jul 17 19:08	18°♊47'55		evening set	11483 Jul 25 18:55	27°♊32'40	
desc. node	11478 Aug 27 05:42	26°♊56'46			11483 Jul 28 21:12	0°♊	
	11478 Sep 04 09:58	0°♄			11483 Sep 04 23:52	0°♊	
	11478 Nov 05 07:06	0°♊					
	11478 Dec 27 09:54	0°♊		conjunction	11483 Oct 04 21:47	22°♊59'26	1°05'02
	11479 Feb 13 16:57	0°♊		minimum elong	11483 Oct 04 20:28	22°♊56'57	1°05'14
evening set	11479 Mar 30 06:01	29°♊24'52			11483 Oct 14 05:00	0°♊	
	11479 Mar 31 02:40	0°♄		max. Earth dist.	11483 Nov 22 23:16	29°♊06'48	2.45800 AU
max. Earth dist.	11479 Apr 14 05:58	9°♄42'40	2.51680 AU		11483 Nov 24 05:06	0°♊	
	11479 May 12 23:40	0°♊		morning rise	11483 Dec 06 17:52	8°♊51'45	
					11484 Jan 06 11:35	0°♄	
conjunction	11479 May 19 10:23	4°♊39'03	-0°57'42		11484 Feb 21 08:46	0°♊	
minimum elong	11479 May 19 12:06	4°♊42'10	0°58'19		11484 Apr 10 13:59	0°♊	
	11479 Jun 22 17:56	0°♄		desc. node	11484 Apr 18 03:29	4°♊22'06	
morning rise	11479 Jul 15 23:30	17°♄40'10			11484 Jun 05 12:06	0°♊	
	11479 Jul 31 22:37	0°♊		retrograde	11484 Aug 15 04:10	20°♊40'52	



































































































































opposition	11484 Sep 22 20:58	11° Υ 57'13	-4°32'22			11489 Nov 08 14:58	0° Ξ	
greatest brilliancy	11484 Sep 23 15:46	11° Υ 39'09	-1.5m	desc. node		11489 Dec 08 06:27	18° Ξ 58'05	
min. Earth dist.	11484 Sep 28 03:22	9° Υ 55'44	0.63027 AU			11489 Dec 25 15:13	0° \approx	
direct	11484 Nov 03 04:40	1° Υ 58'16		evening set		11490 Jan 02 01:07	4° \approx 41'54	
	11485 Jan 22 04:09	0° \mathcal{B}				11490 Feb 11 00:03	0° \mathcal{H}	
	11485 Mar 10 11:02	0° Π		max. Earth dist.		11490 Feb 12 13:48	0° \mathcal{H} 59'51	2.68310 AU
asc. node	11485 Apr 17 11:57	27° Π 22'40						
	11485 Apr 21 00:02	0° \mathcal{E}		conjunction		11490 Feb 15 17:27	2° \mathcal{H} 59'45	-0°35'23
	11485 May 30 01:03	0° Ω		minimum elong		11490 Feb 15 16:30	2° \mathcal{H} 58'16	0°34'59
	11485 Jul 07 05:25	0° \mathcal{M}				11490 Mar 30 02:08	0° Υ	
	11485 Aug 14 17:30	0° $\underline{\mathcal{A}}$		morning rise		11490 Mar 31 00:14	0° Υ 35'27	
	11485 Sep 23 10:44	0° \mathcal{M}				11490 May 15 09:59	0° \mathcal{B}	
evening set	11485 Oct 04 18:24	8° \mathcal{M} 19'13				11490 Jun 29 18:10	0° Π	
	11485 Nov 03 23:38	0° \mathcal{A}				11490 Aug 13 02:20	0° \mathcal{E}	
						11490 Sep 25 16:08	0° Ω	
conjunction	11485 Nov 30 19:56	18° \mathcal{A} 37'58	0°47'38			11490 Nov 08 10:13	0° \mathcal{M}	
minimum elong	11485 Nov 30 21:37	18° \mathcal{A} 40'51	0°48'18	asc. node		11490 Dec 09 00:08	19° \mathcal{M} 54'09	
	11485 Dec 17 14:36	0° Ξ				11490 Dec 26 00:17	0° $\underline{\mathcal{A}}$	
max. Earth dist.	11485 Dec 27 22:11	6° Ξ 53'35	2.58444 AU	retrograde		11491 Feb 23 23:55	20° $\underline{\mathcal{A}}$ 19'51	
morning rise	11486 Jan 20 04:24	22° Ξ 10'58		min. Earth dist.		11491 Mar 21 22:16	15° $\underline{\mathcal{A}}$ 53'19	0.40272 AU
	11486 Feb 01 06:25	0° \approx		greatest brilliancy		11491 Mar 27 16:25	14° $\underline{\mathcal{A}}$ 06'40	-2.7m
desc. node	11486 Mar 05 16:52	20° \approx 35'34		opposition		11491 Mar 29 06:49	13° $\underline{\mathcal{A}}$ 36'47	6°07'55
	11486 Mar 20 19:27	0° \mathcal{H}		direct		11491 Apr 28 18:20	7° $\underline{\mathcal{A}}$ 59'31	
	11486 May 09 10:59	0° Υ				11491 Jul 06 14:47	0° \mathcal{M}	
	11486 Jul 02 01:33	0° \mathcal{B}				11491 Aug 29 10:30	0° \mathcal{A}	
	11486 Sep 18 08:36	0° Π				11491 Oct 18 12:43	0° Ξ	
retrograde	11486 Sep 30 18:56	0° Π 53'23		desc. node		11491 Oct 26 09:24	4° Ξ 46'37	
	11486 Oct 12 15:11	30° \mathcal{R} \mathcal{B}				11491 Dec 06 14:42	0° \approx	
opposition	11486 Nov 05 02:08	23° \mathcal{B} 33'46	-5°11'32			11492 Jan 23 21:12	0° \mathcal{H}	
greatest brilliancy	11486 Nov 06 16:52	22° \mathcal{B} 59'05	-2.0m	evening set		11492 Feb 06 17:05	8° \mathcal{H} 43'05	
min. Earth dist.	11486 Nov 13 12:31	20° \mathcal{B} 33'17	0.51581 AU	max. Earth dist.		11492 Mar 06 09:51	27° \mathcal{H} 02'59	2.64981 AU
direct	11486 Dec 13 18:35	14° \mathcal{B} 36'01				11492 Mar 10 23:26	0° Υ	
	11487 Feb 04 09:06	0° Π						
asc. node	11487 Mar 05 17:06	16° Π 55'21		conjunction		11492 Mar 22 00:58	7° Υ 11'23	-1°03'14
	11487 Mar 25 10:24	0° \mathcal{E}		minimum elong		11492 Mar 22 00:04	7° Υ 09'55	1°03'14
	11487 May 05 21:39	0° Ω				11492 Apr 25 12:13	0° \mathcal{B}	
	11487 Jun 14 10:42	0° \mathcal{M}		morning rise		11492 May 06 01:43	7° \mathcal{B} 07'35	
	11487 Jul 24 01:49	0° $\underline{\mathcal{A}}$				11492 Jun 08 07:15	0° Π	
	11487 Sep 02 21:17	0° \mathcal{M}				11492 Jul 20 09:32	0° \mathcal{E}	
	11487 Oct 15 10:54	0° \mathcal{A}				11492 Aug 30 01:10	0° Ω	
evening set	11487 Nov 24 13:35	27° \mathcal{A} 07'31				11492 Oct 08 18:29	0° \mathcal{M}	
	11487 Nov 28 21:36	0° Ξ		asc. node		11492 Oct 25 18:27	12° \mathcal{M} 53'34	
						11492 Nov 17 11:48	0° $\underline{\mathcal{A}}$	
conjunction	11488 Jan 11 19:52	28° Ξ 38'24	0°05'12			11492 Dec 28 20:52	0° \mathcal{M}	
minimum elong	11488 Jan 11 20:05	28° Ξ 38'45	0°05'52			11493 Feb 14 05:17	0° \mathcal{A}	
behind sun begin	11488 Jan 11 01:55	28° Ξ 09'33		retrograde		11493 Apr 16 03:34	20° \mathcal{A} 00'15	
behind sun end	11488 Jan 12 14:15	29° Ξ 07'57		min. Earth dist.		11493 May 17 07:44	13° \mathcal{A} 21'36	0.53827 AU
	11488 Jan 13 22:38	0° \approx		opposition		11493 May 24 16:17	10° \mathcal{A} 33'40	4°14'10
desc. node	11488 Jan 21 09:26	4° \approx 46'43		greatest brilliancy		11493 May 23 14:48	10° \mathcal{A} 58'00	-1.9m
max. Earth dist.	11488 Jan 22 08:46	5° \approx 24'05	2.66133 AU	direct		11493 Jun 29 06:45	2° \mathcal{A} 41'44	
morning rise	11488 Feb 25 16:57	27° \approx 14'26		desc. node		11493 Sep 12 16:38	26° \mathcal{A} 08'42	
	11488 Mar 01 01:44	0° \mathcal{H}				11493 Sep 20 11:03	0° Ξ	
	11488 Apr 17 19:39	0° Υ				11493 Nov 14 11:19	0° \approx	
	11488 Jun 05 00:41	0° \mathcal{B}				11494 Jan 03 22:39	0° \mathcal{H}	
	11488 Jul 24 03:59	0° Π				11494 Feb 20 17:15	0° Υ	
	11488 Sep 14 06:58	0° \mathcal{E}		evening set		11494 Mar 14 11:12	14° Υ 11'27	
retrograde	11488 Dec 07 09:16	29° \mathcal{E} 30'27		max. Earth dist.		11494 Apr 01 13:03	26° Υ 15'42	2.56369 AU
opposition	11489 Jan 06 15:05	24° \mathcal{E} 20'53	-1°04'02			11494 Apr 07 01:36	0° \mathcal{B}	
greatest brilliancy	11489 Jan 06 22:12	24° \mathcal{E} 15'52	-2.9m					
min. Earth dist.	11489 Jan 11 23:49	22° \mathcal{E} 50'22	0.38333 AU	conjunction		11494 Apr 30 22:09	16° \mathcal{B} 26'04	-1°06'52
asc. node	11489 Jan 20 22:50	20° \mathcal{E} 34'16		minimum elong		11494 Apr 30 22:53	16° \mathcal{B} 27'22	1°07'21
direct	11489 Feb 07 09:52	18° \mathcal{E} 33'13				11494 May 20 02:54	0° Π	
	11489 Mar 22 18:18	0° Ω		morning rise		11494 Jun 22 01:36	23° Π 58'48	
	11489 May 13 07:06	0° \mathcal{M}				11494 Jun 30 03:52	0° \mathcal{E}	
	11489 Jun 26 18:56	0° $\underline{\mathcal{A}}$				11494 Aug 08 15:33	0° Ω	
	11489 Aug 09 17:27	0° \mathcal{M}		asc. node		11494 Sep 12 11:24	27° Ω 04'19	
	11489 Sep 23 13:31	0° \mathcal{A}				11494 Sep 16 05:19	0° \mathcal{M}	

	11494 Oct 24 17:00	0°♏		direct	11499 Oct 21 04:51	18°♏14'13	
	11494 Dec 03 03:09	0°♎			11499 Dec 08 23:02	0°♐	
	11495 Jan 13 20:49	0°♏			11500 Feb 03 07:22	0°♏	
	11495 Mar 01 14:49	0°♏			11500 Mar 20 11:35	0°♎	
	11495 May 13 07:45	0°♎			11500 Apr 30 09:37	0°♏	
retrograde	11495 May 24 16:00	0°♎48'44		asc. node	11500 May 05 01:42	3°♏32'55	
	11495 Jun 04 13:40	30°♏			11500 Jun 08 04:24	0°♏	
min. Earth dist.	11495 Jun 30 05:53	22°♏20'12	0.64188 AU		11500 Jul 16 04:14	0°♎	
opposition	11495 Jul 04 01:47	20°♏48'53	1°02'15		11500 Aug 23 11:13	0°♏	
greatest brilliancy	11495 Jul 03 22:32	20°♏52'08	-1.5m	evening set	11500 Sep 10 07:07	13°♏41'50	
desc. node	11495 Jul 31 23:04	12°♏28'29			11500 Oct 01 22:25	0°♎	
direct	11495 Aug 12 04:34	11°♏40'11					
	11495 Oct 17 03:11	0°♎		conjunction	11500 Nov 11 21:26	29°♎46'46	1°00'10
	11495 Dec 13 17:16	0°♏		minimum elong	11500 Nov 11 23:02	29°♎49'35	1°00'46
	11496 Feb 01 12:40	0°♐			11500 Nov 12 04:54	0°♏	
	11496 Mar 18 08:04	0°♏		max. Earth dist.	11500 Dec 17 02:51	24°♏14'39	2.54018 AU
evening set	11496 Apr 26 01:54	27°♏04'02			11500 Dec 25 14:56	0°♏	
	11496 Apr 30 03:37	0°♎		morning rise	11501 Jan 05 01:17	6°♏59'16	
max. Earth dist.	11496 May 10 09:34	7°♎27'02	2.43480 AU		11501 Feb 09 06:17	0°♎	
	11496 Jun 09 15:31	0°♏		desc. node	11501 Mar 23 11:09	26°♎29'04	
					11501 Mar 29 05:11	0°♏	
conjunction	11496 Jun 22 01:19	9°♏27'56	-0°26'27		11501 May 19 07:55	0°♐	
minimum elong	11496 Jun 22 03:19	9°♏31'47	0°27'10		11501 Jul 17 19:04	0°♏	
	11496 Jul 18 12:48	0°♏		retrograde	11501 Sep 11 20:49	14°♏07'11	
asc. node	11496 Jul 30 03:54	9°♏07'42		opposition	11501 Oct 18 17:54	6°♏08'40	-5°11'56
	11496 Aug 25 14:22	0°♎		greatest brilliancy	11501 Oct 20 02:16	5°♏38'32	-1.8m
morning rise	11496 Aug 29 18:41	3°♎18'17		min. Earth dist.	11501 Oct 26 03:25	3°♏23'41	0.56726 AU
	11496 Oct 02 16:54	0°♏			11501 Nov 05 07:42	30°♏	
	11496 Nov 10 17:43	0°♎		direct	11501 Nov 27 20:37	26°♐35'02	
	11496 Dec 21 14:38	0°♏			11501 Dec 21 09:29	0°♏	
	11497 Feb 03 09:18	0°♏			11502 Feb 21 16:01	0°♎	
	11497 Mar 24 02:21	0°♎		asc. node	11502 Mar 23 07:40	19°♎43'15	
	11497 May 28 16:31	0°♏			11502 Apr 06 17:37	0°♏	
desc. node	11497 Jun 18 00:42	4°♏09'20			11502 May 16 18:13	0°♏	
retrograde	11497 Jun 26 21:24	4°♏37'29			11502 Jun 24 12:48	0°♎	
	11497 Jul 23 18:53	30°♏			11502 Aug 02 13:21	0°♏	
opposition	11497 Aug 06 11:46	24°♎53'07	-1°42'01		11502 Sep 11 19:27	0°♎	
greatest brilliancy	11497 Aug 06 10:48	24°♎54'04	-1.3m		11502 Oct 23 20:52	0°♏	
min. Earth dist.	11497 Aug 06 10:28	24°♎54'24	0.68327 AU	evening set	11502 Nov 07 17:36	10°♏16'25	
direct	11497 Sep 16 14:08	15°♎03'47			11502 Dec 06 21:53	0°♏	
	11497 Nov 13 10:38	0°♏					
	11498 Jan 09 19:22	0°♐		conjunction	11502 Dec 28 14:24	14°♏19'52	0°22'13
	11498 Feb 26 10:52	0°♏		minimum elong	11502 Dec 28 15:15	14°♏21'15	0°22'55
	11498 Apr 10 15:31	0°♎		max. Earth dist.	11503 Jan 14 00:46	25°♏01'47	2.63781 AU
	11498 May 21 00:15	0°♏			11503 Jan 21 17:30	0°♎	
asc. node	11498 Jun 16 23:36	20°♏51'10		desc. node	11503 Feb 08 01:11	11°♎05'49	
evening set	11498 Jun 25 20:21	27°♏48'15		morning rise	11503 Feb 13 00:54	14°♎16'25	
	11498 Jun 28 15:19	0°♏			11503 Mar 09 22:09	0°♏	
	11498 Aug 05 12:16	0°♎			11503 Apr 27 04:33	0°♐	
					11503 Jun 15 18:11	0°♏	
conjunction	11498 Sep 05 11:42	24°♎27'38	0°51'14		11503 Aug 07 07:59	0°♎	
minimum elong	11498 Sep 05 07:52	24°♎20'09	0°51'03		11503 Oct 15 04:53	0°♏	
	11498 Sep 12 13:40	0°♏		retrograde	11503 Nov 08 23:20	3°♏27'47	
	11498 Oct 21 16:07	0°♎			11503 Dec 02 18:56	30°♏	
max. Earth dist.	11498 Oct 28 21:33	5°♎24'52	2.40140 AU	opposition	11503 Dec 11 07:24	27°♎26'43	-3°41'29
morning rise	11498 Nov 13 23:40	17°♎18'03		greatest brilliancy	11503 Dec 12 13:54	27°♎02'32	-2.6m
	11498 Dec 01 13:02	0°♏		min. Earth dist.	11503 Dec 19 13:50	24°♎50'52	0.42916 AU
	11499 Jan 13 18:39	0°♏		direct	11504 Jan 15 05:31	20°♎12'07	
	11499 Feb 28 23:14	0°♎		asc. node	11504 Feb 08 12:22	24°♎08'07	
	11499 Apr 20 13:57	0°♏			11504 Feb 23 22:02	0°♏	
desc. node	11499 May 05 20:13	8°♏13'59			11504 Apr 15 13:26	0°♏	
	11499 Jun 23 13:31	0°♐			11504 May 28 07:26	0°♎	
retrograde	11499 Aug 01 02:24	7°♐23'09			11504 Jul 08 19:19	0°♏	
	11499 Sep 05 03:51	30°♏			11504 Aug 20 00:20	0°♎	
opposition	11499 Sep 09 14:31	28°♏17'31	-3°53'01		11504 Oct 02 16:25	0°♏	
greatest brilliancy	11499 Sep 10 01:23	28°♏06'56	-1.4m		11504 Nov 16 22:55	0°♏	
min. Earth dist.	11499 Sep 13 09:05	26°♏49'20	0.65829 AU	evening set	11504 Dec 19 11:00	21°♏01'08	

desc. node	11504 Dec 25 20:08	25°♄06'32			11509 Nov 03 05:40	0°♎	
	11505 Jan 02 11:44	0°♊			11509 Dec 13 01:48	0°♍	
					11510 Jan 24 18:28	0°♈	
conjunction	11505 Feb 03 02:20	20°♊06'29 -0°20'44			11510 Mar 16 10:25	0°♈	
minimum elong	11505 Feb 03 01:43	20°♊05'31 0°20'12		retrograde	11510 May 11 13:23	16°♄24'02	
max. Earth dist.	11505 Feb 05 03:58	21°♊25'12 2.68126 AU		min. Earth dist.	11510 Jun 15 04:34	8°♄33'21 0.60787 AU	
	11505 Feb 18 16:42	0°♈		opposition	11510 Jun 20 11:13	6°♄28'25 2°14'25	
morning rise	11505 Mar 18 14:42	17°♈42'16		greatest brilliancy	11510 Jun 20 01:23	6°♄38'08 -1.6m	
	11505 Apr 06 22:55	0°♈			11510 Jul 09 18:09	30°♈♌	
	11505 May 23 20:12	0°♈		direct	11510 Jul 28 09:17	27°♈44'26	
	11505 Jul 09 05:36	0°♈			11510 Aug 17 12:57	0°♈	
	11505 Aug 24 07:01	0°♈		desc. node	11510 Aug 18 09:43	0°♈11'09	
	11505 Oct 09 18:44	0°♈			11510 Oct 30 11:04	0°♊	
	11505 Nov 29 04:53	0°♈			11510 Dec 23 01:37	0°♈	
asc. node	11505 Dec 26 16:25	12°♈41'18			11511 Feb 09 20:31	0°♈	
retrograde	11506 Jan 28 09:20	19°♈19'23			11511 Mar 27 09:53	0°♈	
min. Earth dist.	11506 Feb 24 08:00	14°♈57'11 0.36907 AU		evening set	11511 Apr 09 19:01	9°♈10'36	
opposition	11506 Feb 27 20:08	14°♈00'02 4°33'22		max. Earth dist.	11511 Apr 23 15:57	18°♈52'14 2.48857 AU	
greatest brilliancy	11506 Feb 27 03:53	14°♈11'07 -3.0m			11511 May 09 06:53	0°♈	
direct	11506 Mar 29 00:24	9°♈06'11					
	11506 Jun 01 16:43	0°♎		conjunction	11511 May 31 23:40	16°♈34'02 -0°48'54	
	11506 Jul 23 12:07	0°♎		minimum elong	11511 Jun 01 01:49	16°♈38'01 0°49'34	
	11506 Sep 09 19:17	0°♈			11511 Jun 18 23:05	0°♈	
	11506 Oct 27 18:25	0°♈			11511 Jul 28 01:09	0°♈	
desc. node	11506 Nov 12 20:49	10°♄03'09		morning rise	11511 Aug 01 07:14	3°♈18'58	
	11506 Dec 14 19:55	0°♊		asc. node	11511 Aug 17 21:47	16°♈19'41	
evening set	11507 Jan 24 23:34	25°♊47'29			11511 Sep 04 06:34	0°♈	
	11507 Jan 31 15:44	0°♈			11511 Oct 12 11:26	0°♎	
max. Earth dist.	11507 Feb 27 08:41	16°♈57'04 2.66949 AU		greatest brilliancy	11511 Oct 16 01:54	2°♎48'15 1.2m	
					11511 Nov 20 13:58	0°♎	
conjunction	11507 Mar 10 01:57	23°♈48'54 -0°54'35			11511 Dec 31 14:47	0°♈	
minimum elong	11507 Mar 10 00:52	23°♈47'10 0°54'25			11512 Feb 14 00:05	0°♈	
	11507 Mar 19 16:32	0°♈			11512 Apr 05 08:15	0°♊	
morning rise	11507 Apr 22 22:58	22°♈22'03		retrograde	11512 Jun 14 17:24	22°♊02'42	
	11507 May 04 11:12	0°♈		desc. node	11512 Jul 05 14:52	19°♊09'53	
	11507 Jun 17 18:16	0°♈		min. Earth dist.	11512 Jul 23 20:26	12°♊45'54 0.67479 AU	
	11507 Jul 30 12:58	0°♈		opposition	11512 Jul 25 09:27	12°♊09'05 -0°42'15	
	11507 Sep 09 23:51	0°♈		greatest brilliancy	11512 Jul 25 08:09	12°♊10'23 -1.3m	
	11507 Oct 20 14:50	0°♈		direct	11512 Sep 03 21:10	2°♊32'31	
asc. node	11507 Nov 13 14:45	17°♈41'48			11512 Nov 27 10:28	0°♈	
	11507 Nov 30 13:23	0°♎			11513 Jan 19 10:32	0°♈	
	11508 Jan 13 13:46	0°♎			11513 Mar 07 03:08	0°♈	
	11508 Mar 25 11:21	0°♈			11513 Apr 19 02:36	0°♈	
retrograde	11508 Mar 30 06:59	0°♈10'07			11513 May 29 11:43	0°♈	
	11508 Apr 04 01:25	30°♈♍		evening set	11513 May 31 06:11	1°♈20'56	
min. Earth dist.	11508 Apr 27 23:02	24°♈27'21 0.48454 AU		asc. node	11513 Jul 04 17:10	28°♈03'27	
greatest brilliancy	11508 May 04 18:31	22°♈00'05 -2.2m			11513 Jul 07 04:31	0°♈	
opposition	11508 May 06 07:06	21°♈26'51 5°25'12		max. Earth dist.	11513 Jul 25 16:17	14°♈35'54 2.36418 AU	
direct	11508 Jun 09 00:57	14°♈21'03					
	11508 Aug 05 17:29	0°♈		conjunction	11513 Aug 06 05:08	23°♈44'28 0°23'09	
desc. node	11508 Sep 30 02:21	28°♈23'59		minimum elong	11513 Aug 06 02:41	23°♈39'37 0°22'38	
	11508 Oct 02 23:10	0°♈			11513 Aug 14 02:29	0°♈	
	11508 Nov 23 17:57	0°♊			11513 Sep 21 03:16	0°♎	
	11509 Jan 12 03:11	0°♈		morning rise	11513 Oct 19 00:46	21°♎33'39	
evening set	11509 Feb 28 18:23	0°♈08'00			11513 Oct 30 03:46	0°♎	
	11509 Feb 28 13:26	0°♈			11513 Dec 09 22:50	0°♈	
max. Earth dist.	11509 Mar 22 17:09	14°♈28'32 2.60336 AU			11514 Jan 22 05:59	0°♈	
	11509 Apr 14 22:22	0°♈			11514 Mar 10 00:09	0°♊	
					11514 May 02 01:37	0°♈	
conjunction	11509 Apr 15 11:06	0°♈21'32 -1°09'22		desc. node	11514 May 23 12:36	10°♈09'42	
minimum elong	11509 Apr 15 11:00	0°♈21'22 1°09'40		retrograde	11514 Jul 19 00:01	24°♈40'04	
	11509 May 28 05:37	0°♈		opposition	11514 Aug 28 02:00	15°♈16'40 -3°06'40	
morning rise	11509 Jun 02 21:12	4°♈01'09		greatest brilliancy	11514 Aug 28 06:36	15°♈12'09 -1.3m	
	11509 Jul 08 15:07	0°♈		min. Earth dist.	11514 Aug 30 08:28	14°♈23'10 0.67600 AU	
	11509 Aug 17 12:04	0°♈		direct	11514 Oct 08 15:54	5°♈15'25	
	11509 Sep 25 10:17	0°♈			11514 Dec 24 16:38	0°♈	
asc. node	11509 Sep 30 06:30	3°♈45'15			11515 Feb 13 16:39	0°♈	

	11515 Mar 29 18:55	0°♊		minimum elong	11520 Jan 21 02:51	6°≈56'11	0°04'06
	11515 May 09 09:17	0°♋		behind sun begin	11520 Jan 20 08:22	6°≈26'42	
asc. node	11515 May 22 16:11	10°♋11'14		behind sun end	11520 Jan 21 21:19	7°≈25'40	
	11515 Jun 17 01:24	0°♌		max. Earth dist.	11520 Jan 28 13:17	11°≈40'47	2.67091 AU
	11515 Jul 24 23:10	0°♍			11520 Feb 26 09:51	0°♎	
greatest brilliancy	11515 Aug 03 20:00	7°♍48'31	1.2m	morning rise	11520 Mar 05 08:36	5°♎01'40	
evening set	11515 Aug 13 02:41	15°♍07'28			11520 Apr 13 22:30	0°♏	
	11515 Sep 01 02:52	0°♐			11520 May 31 14:04	0°♑	
	11515 Oct 10 09:24	0°♑			11520 Jul 18 12:06	0°♒	
					11520 Sep 05 13:44	0°♋	
conjunction	11515 Oct 20 16:24	7°♑39'36	1°06'17		11520 Oct 29 20:54	0°♌	
minimum elong	11515 Oct 20 16:36	7°♑39'58	1°06'40	retrograde	11520 Dec 26 18:04	16°♌50'08	
	11515 Nov 20 10:40	0°♎		asc. node	11521 Jan 12 08:21	15°♌07'37	
max. Earth dist.	11515 Dec 03 22:11	9°♎31'22	2.48868 AU	opposition	11521 Jan 25 12:21	11°♌55'31	1°01'29
morning rise	11515 Dec 19 00:37	20°♎00'04		greatest brilliancy	11521 Jan 25 13:53	11°♌54'29	-3.1m
	11516 Jan 02 16:58	0°♏		min. Earth dist.	11521 Jan 27 22:40	11°♌16'20	0.36858 AU
	11516 Feb 17 10:09	0°≈		direct	11521 Feb 24 17:18	6°♌45'24	
	11516 Apr 06 00:48	0°♐			11521 May 02 08:21	0°♑	
desc. node	11516 Apr 09 04:16	1°♐51'56			11521 Jun 19 17:49	0°♒	
	11516 May 29 13:42	0°♑			11521 Aug 04 06:06	0°♓	
retrograde	11516 Aug 25 08:12	29°♑07'18			11521 Sep 18 23:14	0°♎	
opposition	11516 Oct 02 11:01	20°♑37'55	-4°50'49		11521 Nov 04 13:17	0°♏	
greatest brilliancy	11516 Oct 03 10:46	20°♑15'17	-1.6m	desc. node	11521 Nov 29 08:34	15°♏45'58	
min. Earth dist.	11516 Oct 08 12:33	18°♑19'14	0.61041 AU		11521 Dec 21 20:51	0°≈	
direct	11516 Nov 12 10:44	10°♑44'40		evening set	11522 Jan 11 03:07	12°≈47'07	
	11517 Jan 14 09:49	0°♑			11522 Feb 07 08:58	0°♐	
	11517 Mar 05 04:01	0°♒		max. Earth dist.	11522 Feb 18 14:06	7°♐06'38	2.68061 AU
asc. node	11517 Apr 08 20:41	24°♒27'49					
	11517 Apr 16 08:27	0°♋		conjunction	11522 Feb 24 11:27	10°♐51'09	-0°43'10
	11517 May 25 15:52	0°♌		minimum elong	11522 Feb 24 10:24	10°♐49'30	0°42'51
	11517 Jul 03 00:04	0°♍			11522 Mar 26 10:16	0°♏	
	11517 Aug 10 15:23	0°♐		morning rise	11522 Apr 08 19:40	8°♏38'19	
	11517 Sep 19 12:04	0°♑			11522 May 11 13:03	0°♑	
evening set	11517 Oct 18 13:50	21°♑04'45			11522 Jun 25 11:20	0°♒	
	11517 Oct 31 04:19	0°♎			11522 Aug 08 03:53	0°♋	
					11522 Sep 19 19:03	0°♌	
conjunction	11517 Dec 12 01:23	28°♎45'37	0°38'47		11522 Oct 31 23:52	0°♍	
minimum elong	11517 Dec 12 02:50	28°♎48'03	0°39'30	asc. node	11522 Nov 30 07:38	20°♍24'09	
	11517 Dec 13 21:44	0°♏			11522 Dec 14 16:58	0°♐	
max. Earth dist.	11518 Jan 04 01:12	14°♏02'23	2.60585 AU		11523 Feb 07 15:20	0°♑	
	11518 Jan 28 13:44	0°≈		retrograde	11523 Mar 10 11:13	6°♑20'34	
morning rise	11518 Jan 29 17:53	0°≈45'20		min. Earth dist.	11523 Apr 05 23:38	1°♑32'16	0.43004 AU
desc. node	11518 Feb 24 18:23	17°≈21'00			11523 Apr 10 16:10	30°♑♐	
	11518 Mar 16 22:17	0°♐		greatest brilliancy	11523 Apr 12 12:33	29°♐23'01	-2.5m
	11518 May 04 22:47	0°♑		opposition	11523 Apr 14 06:40	28°♐48'03	6°10'37
	11518 Jun 25 15:32	0°♑		direct	11523 May 15 20:54	22°♐38'21	
	11518 Aug 25 02:59	0°♒			11523 Jun 21 09:22	0°♓	
retrograde	11518 Oct 14 08:00	11°♒56'35			11523 Aug 22 16:24	0°♎	
opposition	11518 Nov 17 16:09	5°♒02'05	-4°55'04		11523 Oct 13 15:46	0°♏	
greatest brilliancy	11518 Nov 19 07:24	4°♒28'01	-2.2m	desc. node	11523 Oct 17 13:36	2°♓19'16	
min. Earth dist.	11518 Nov 26 09:43	2°♒01'31	0.48521 AU		11523 Dec 02 12:19	0°≈	
	11518 Dec 02 21:10	30°♓♐			11524 Jan 20 03:11	0°♐	
direct	11518 Dec 25 05:48	26°♓33'31		evening set	11524 Feb 15 15:18	16°♐43'13	
	11519 Jan 17 04:02	0°♒			11524 Mar 07 08:05	0°♑	
asc. node	11519 Feb 25 03:54	17°♒20'13		max. Earth dist.	11524 Mar 12 21:12	3°♑35'42	2.63557 AU
	11519 Mar 17 22:58	0°♋					
	11519 Apr 30 01:33	0°♌		conjunction	11524 Mar 31 07:05	15°♑39'07	-1°06'44
	11519 Jun 09 07:44	0°♍		minimum elong	11524 Mar 31 06:24	15°♑37'59	1°06'51
	11519 Jul 19 09:40	0°♐			11524 Apr 21 19:43	0°♑	
	11519 Aug 29 13:44	0°♑		morning rise	11524 May 16 06:21	16°♑38'59	
	11519 Oct 11 10:28	0°♎			11524 Jun 04 10:48	0°♒	
	11519 Nov 25 02:37	0°♏			11524 Jul 16 07:03	0°♋	
evening set	11519 Dec 04 23:36	6°♏29'13			11524 Aug 25 15:30	0°♌	
	11520 Jan 10 06:49	0°≈			11524 Oct 04 00:53	0°♍	
desc. node	11520 Jan 12 10:41	1°≈23'11		asc. node	11524 Oct 17 02:19	10°♍00'23	
					11524 Nov 12 07:50	0°♐	
conjunction	11520 Jan 21 03:01	6°≈56'27	-0°04'43		11524 Dec 22 21:58	0°♑	

	11525 Feb 05 15:33	0°♊		11529 Nov 02 12:22	0°♎	
	11525 Apr 17 23:34	0°♊		11530 Jan 04 13:51	0°♎	
retrograde	11525 Apr 26 10:14	0°♊29'23		11530 Feb 22 04:25	0°♎	
	11525 May 04 15:10	30°♋♊		11530 Apr 06 16:16	0°♎	
min. Earth dist.	11525 May 28 21:40	23°♊22'42	0.56524 AU	11530 May 17 03:00	0°♎	
opposition	11525 Jun 04 13:17	20°♊48'01	3°30'21	11530 Jun 08 08:38	17°♎08'42	
greatest brilliancy	11525 Jun 03 18:02	21°♊06'44	-1.8m	11530 Jun 24 18:15	0°♎	
direct	11525 Jul 11 00:57	12°♊35'12		11530 Jul 13 08:51	14°♎42'55	
desc. node	11525 Sep 03 21:09	26°♊24'48		11530 Aug 01 15:05	0°♎	
	11525 Sep 12 02:31	0°♊		11530 Sep 08 16:31	0°♎	
	11525 Nov 09 10:41	0°♋				
	11525 Dec 30 20:08	0°♋		conjunction	11530 Sep 23 11:59	11°♎29'12 1°01'03
	11526 Feb 16 22:40	0°♋		minimum elong	11530 Sep 23 09:21	11°♎24'10 1°01'07
evening set	11526 Mar 24 07:15	23°♋12'09			11530 Oct 17 19:21	0°♎
	11526 Apr 03 08:56	0°♋		max. Earth dist.	11530 Nov 14 17:44	20°♎39'36 2.43249 AU
max. Earth dist.	11526 Apr 09 14:41	4°♋15'15	2.53854 AU		11530 Nov 27 16:41	0°♋
				morning rise	11530 Nov 28 08:14	0°♋27'47
conjunction	11526 May 12 03:11	26°♋57'59	-1°02'32		11531 Jan 09 20:57	0°♊
minimum elong	11526 May 12 04:29	27°♋00'17	1°03'06		11531 Feb 24 19:11	0°♋
	11526 May 16 09:08	0°♎			11531 Apr 15 10:34	0°♋
	11526 Jun 26 07:20	0°♎		desc. node	11531 Apr 26 21:18	6°♋27'55
morning rise	11526 Jul 06 00:51	7°♎19'27			11531 Jun 12 13:39	0°♋
	11526 Aug 04 15:50	0°♎		retrograde	11531 Aug 10 13:43	15°♋22'50
asc. node	11526 Sep 03 17:32	23°♎25'59		opposition	11531 Sep 18 15:23	6°♋28'47 -4°16'50
	11526 Sep 12 02:39	0°♎		greatest brilliancy	11531 Sep 19 06:32	6°♋14'06 -1.4m
	11526 Oct 20 11:21	0°♎		min. Earth dist.	11531 Sep 23 05:29	4°♋42'10 0.64413 AU
	11526 Nov 28 17:24	0°♎			11531 Oct 06 16:44	30°♋♋
	11527 Jan 09 02:02	0°♋		direct	11531 Oct 30 02:24	26°♋26'58
	11527 Feb 23 14:12	0°♊			11531 Nov 24 02:02	0°♋
	11527 Apr 22 07:01	0°♋			11532 Jan 28 11:27	0°♋
retrograde	11527 Jun 02 10:29	9°♋02'53			11532 Mar 14 19:34	0°♎
min. Earth dist.	11527 Jul 09 22:56	0°♋16'07	0.65628 AU	asc. node	11532 Apr 25 11:38	0°♎16'55
	11527 Jul 10 15:09	30°♋♊			11532 Apr 25 02:39	0°♎
opposition	11527 Jul 12 23:42	29°♊03'41	0°22'18		11532 Jun 03 01:15	0°♎
greatest brilliancy	11527 Jul 12 22:49	29°♊04'34	-1.4m		11532 Jul 11 03:29	0°♎
desc. node	11527 Jul 23 02:58	25°♊12'06			11532 Aug 18 12:27	0°♎
direct	11527 Aug 21 15:29	19°♊43'53		evening set	11532 Sep 25 02:54	28°♎32'55
	11527 Oct 07 10:27	0°♋			11532 Sep 27 01:44	0°♎
	11527 Dec 08 15:38	0°♋			11532 Nov 07 10:21	0°♋
	11528 Jan 28 09:36	0°♋				
	11528 Mar 14 12:05	0°♋		conjunction	11532 Nov 23 12:48	11°♋17'22 0°53'28
	11528 Apr 26 09:15	0°♎		minimum elong	11532 Nov 23 14:34	11°♋20'26 0°54'08
evening set	11528 May 08 12:50	8°♎50'53			11532 Dec 20 21:29	0°♊
max. Earth dist.	11528 May 26 10:48	22°♎08'57	2.40487 AU	max. Earth dist.	11532 Dec 24 04:52	2°♊13'23 2.56549 AU
	11528 Jun 05 20:19	0°♎		morning rise	11533 Jan 14 10:25	16°♊19'02
					11533 Feb 04 11:38	0°♋
conjunction	11528 Jul 07 21:27	24°♎42'07	-0°09'43	desc. node	11533 Mar 13 10:42	23°♋23'10
minimum elong	11528 Jul 07 22:25	24°♎44'00	0°10'24		11533 Mar 24 03:16	0°♋
behind sun begin	11528 Jul 07 00:33	24°♎01'21			11533 May 13 06:41	0°♋
behind sun end	11528 Jul 08 20:16	25°♎26'40			11533 Jul 07 16:37	0°♋
	11528 Jul 14 15:59	0°♎		retrograde	11533 Sep 22 19:08	23°♋51'32
asc. node	11528 Jul 21 09:55	5°♎17'50		opposition	11533 Oct 28 20:12	16°♋13'19 -5°14'45
	11528 Aug 21 16:10	0°♎		greatest brilliancy	11533 Oct 30 08:33	15°♋40'05 -1.9m
morning rise	11528 Sep 18 00:46	21°♎36'28		min. Earth dist.	11533 Nov 05 20:23	13°♋18'13 0.53968 AU
	11528 Sep 28 17:39	0°♎		direct	11533 Dec 07 05:10	6°♋57'10
	11528 Nov 06 17:35	0°♎			11534 Feb 12 15:33	0°♎
	11528 Dec 17 12:39	0°♋		asc. node	11534 Mar 13 16:49	18°♎06'14
	11529 Jan 30 00:37	0°♊			11534 Mar 30 23:54	0°♎
	11529 Mar 18 18:03	0°♋			11534 May 10 17:51	0°♎
	11529 May 15 20:36	0°♋			11534 Jun 18 21:41	0°♎
desc. node	11529 Jun 09 03:47	8°♋26'46			11534 Jul 28 05:01	0°♎
retrograde	11529 Jul 05 11:26	12°♋13'06			11534 Sep 06 16:59	0°♎
opposition	11529 Aug 14 22:26	2°♋35'17	-2°14'46		11534 Oct 18 23:40	0°♋
greatest brilliancy	11529 Aug 14 22:46	2°♋34'57	-1.3m	evening set	11534 Nov 18 02:14	20°♋34'06
min. Earth dist.	11529 Aug 15 16:37	2°♋17'18	0.68361 AU		11534 Dec 02 04:32	0°♊
	11529 Aug 21 13:18	30°♋♋				
direct	11529 Sep 25 06:19	22°♋40'38		conjunction	11535 Jan 06 10:01	23°♊06'37 0°12'16

minimum elong	11535 Jan 06 10:29	23°  07'22	0°12'57		11539 Nov 23 10:22	0° 	
behind sun begin	11535 Jan 05 22:57	22°  48'42			11540 Jan 04 14:20	0° 	
behind sun end	11535 Jan 06 22:01	23°  26'01			11540 Feb 24 06:05	0° 	
	11535 Jan 17 02:01	0° 		retrograde	11540 Apr 09 17:27	12°  17'39	
max. Earth dist.	11535 Jan 19 11:20	1°  32'14	2.65181 AU	min. Earth dist.	11540 May 09 19:15	6°  02'45	0.51486 AU
desc. node	11535 Jan 29 02:24	7°  42'45		greatest brilliancy	11540 May 16 08:44	3°  35'51	-2.1m
morning rise	11535 Feb 20 21:53	22°  13'55		opposition	11540 May 17 15:13	3°  07'14	4°46'13
	11535 Mar 05 04:55	0° 			11540 May 26 10:34	30° 	
	11535 Apr 22 03:22	0° 		direct	11540 Jun 21 10:11	25°  34'34	
	11535 Jun 09 20:56	0° 			11540 Jul 19 15:36	0° 	
	11535 Jul 30 05:30	0° 		desc. node	11540 Sep 20 07:26	27°  07'06	
	11535 Sep 24 04:11	0° 			11540 Sep 25 18:38	0° 	
retrograde	11535 Nov 25 12:06	17°  56'13			11540 Nov 18 05:35	0° 	
opposition	11535 Dec 26 13:49	12°  25'39	-2°23'31		11541 Jan 07 05:35	0° 	
greatest brilliancy	11535 Dec 27 08:24	12°  11'52	-2.8m		11541 Feb 23 21:17	0° 	
min. Earth dist.	11536 Jan 02 15:10	10°  20'33	0.40156 AU	evening set	11541 Mar 09 00:40	8°  31'48	
direct	11536 Jan 28 19:21	5°  59'29		max. Earth dist.	11541 Mar 28 20:11	21°  37'21	2.58240 AU
asc. node	11536 Jan 29 22:38	6°  00'02			11541 Apr 10 07:05	0° 	
	11536 Apr 04 07:48	0° 					
	11536 May 20 07:34	0° 		conjunction	11541 Apr 24 14:24	9°  46'09	-1°08'41
	11536 Jul 02 03:49	0° 		minimum elong	11541 Apr 24 14:45	9°  46'46	1°09'05
	11536 Aug 14 04:02	0° 			11541 May 23 12:06	0° 	
	11536 Sep 27 09:27	0° 		morning rise	11541 Jun 13 21:37	15°  24'16	
	11536 Nov 12 00:52	0° 			11541 Jul 03 17:42	0° 	
desc. node	11536 Dec 15 22:35	21°  348'07			11541 Aug 12 09:52	0° 	
evening set	11536 Dec 27 21:03	29°  324'46		asc. node	11541 Sep 20 13:11	0°  19'03	
	11536 Dec 28 19:11	0° 			11541 Sep 20 03:23	0° 	
					11541 Oct 28 17:46	0° 	
conjunction	11537 Feb 10 22:17	28°  00'07	-0°29'32		11541 Dec 07 06:30	0° 	
minimum elong	11537 Feb 10 21:27	27°  58'48	0°29'05		11542 Jan 18 06:26	0° 	
max. Earth dist.	11537 Feb 10 02:49	27°  29'17	2.68329 AU		11542 Mar 07 01:42	0° 	
	11537 Feb 14 01:57	0° 		retrograde	11542 May 19 17:16	25°  317'13	
morning rise	11537 Mar 26 06:01	25°  32'13		min. Earth dist.	11542 Jun 24 10:51	17°  304'55	0.62794 AU
	11537 Apr 02 05:41	0° 		opposition	11542 Jun 28 22:37	15°  318'03	1°31'51
	11537 May 18 19:31	0° 		greatest brilliancy	11542 Jun 28 16:54	15°  323'43	-1.5m
	11537 Jul 03 14:23	0° 		direct	11542 Aug 06 13:05	6°  319'46	
	11537 Aug 17 15:04	0° 		desc. node	11542 Aug 08 14:32	6°  321'19	
	11537 Oct 01 06:16	0° 			11542 Oct 22 18:52	0° 	
	11537 Nov 15 22:14	0° 			11542 Dec 17 12:09	0° 	
asc. node	11537 Dec 17 01:22	18°  131'29			11543 Feb 04 21:48	0° 	
	11538 Jan 09 22:15	0° 			11543 Mar 22 16:03	0° 	
retrograde	11538 Feb 13 12:14	7°  39'02		evening set	11543 Apr 19 20:39	19°  330'43	
min. Earth dist.	11538 Mar 11 11:41	3°  21'47	0.38442 AU	max. Earth dist.	11543 May 03 11:55	29°  313'43	2.45924 AU
greatest brilliancy	11538 Mar 16 04:49	1°  59'28	-2.9m		11543 May 04 13:39	0° 	
opposition	11538 Mar 17 11:28	1°  37'00	5°44'01				
	11538 Mar 23 04:14	30°  313'26		conjunction	11543 Jun 13 12:04	29°  328'45	-0°37'14
direct	11538 Apr 16 05:27	26°  133'26		minimum elong	11543 Jun 13 14:20	29°  333'02	0°37'57
	11538 May 10 11:00	0° 			11543 Jun 14 04:36	0° 	
	11538 Jul 14 12:23	0° 			11543 Jul 23 04:36	0° 	
	11538 Sep 03 07:27	0° 		asc. node	11543 Aug 08 05:46	12°  34'34	
	11538 Oct 22 07:53	0° 		morning rise	11543 Aug 17 22:38	20°  313'11	
desc. node	11538 Nov 03 00:13	7°  311'29			11543 Aug 30 08:02	0° 	
	11538 Dec 09 22:06	0° 			11543 Oct 07 11:06	0° 	
	11539 Jan 26 23:52	0° 			11543 Nov 15 11:24	0° 	
evening set	11539 Feb 01 19:39	3°  340'16			11543 Dec 26 08:08	0° 	
max. Earth dist.	11539 Mar 04 12:40	23°  312'26	2.65962 AU		11544 Feb 08 05:41	0° 	
	11539 Mar 15 01:50	0° 			11544 Mar 28 16:29	0° 	
				retrograde	11544 Jun 22 06:48	29°  347'57	
conjunction	11539 Mar 17 23:45	1°  353'02	-1°00'02	desc. node	11544 Jun 25 17:08	29°  343'27	
minimum elong	11539 Mar 17 22:45	1°  351'25	0°59'59	opposition	11544 Aug 01 22:07	19°  358'50	-1°17'59
	11539 Apr 29 17:56	0° 		min. Earth dist.	11544 Aug 01 04:27	20°  316'22	0.68079 AU
morning rise	11539 May 01 10:10	1°  307'20		greatest brilliancy	11544 Aug 01 20:36	20°  300'20	-1.3m
	11539 Jun 12 18:51	0° 		direct	11544 Sep 11 18:24	10°  314'46	
	11539 Jul 25 04:49	0° 			11544 Nov 19 10:37	0° 	
	11539 Sep 04 04:49	0° 			11545 Jan 13 18:33	0° 	
	11539 Oct 14 06:58	0° 			11545 Mar 02 01:33	0° 	
asc. node	11539 Nov 03 20:21	15°  1326'12			11545 Apr 14 05:23	0° 	

	11545 May 24 15:25	0°☿			11550 Jan 23 21:31	0°♊
evening set	11545 Jun 14 16:58	16°☿12'58		morning rise	11550 Feb 06 23:59	9°♊03'11
asc. node	11545 Jun 25 00:36	24°☿16'07		desc. node	11550 Feb 14 18:59	14°♊01'08
	11545 Jul 02 07:48	0°♌			11550 Mar 12 02:41	0°♋
	11545 Aug 09 05:22	0°♍			11550 Apr 29 15:30	0°♌
					11550 Jun 18 23:32	0°♍
conjunction	11545 Aug 23 18:09	11°♍30'56 0°40'27			11550 Aug 12 21:54	0°♎
minimum elong	11545 Aug 23 14:22	11°♍23'25 0°40'06		retrograde	11550 Oct 28 04:29	24°♎05'40
	11545 Sep 16 06:05	0°♎		opposition	11550 Nov 30 11:21	17°♎39'50 -4°21'13
max. Earth dist.	11545 Oct 10 20:19	19°♎01'59 2.37834 AU		greatest brilliancy	11550 Dec 01 23:28	17°♎09'54 -2.4m
	11545 Oct 25 06:38	0°♏		min. Earth dist.	11550 Dec 09 04:24	14°♎48'05 0.45379 AU
morning rise	11545 Nov 03 18:02	7°♏06'19		direct	11551 Jan 05 16:21	9°♎49'15
	11545 Dec 05 01:19	0°♐		asc. node	11551 Feb 15 12:36	20°♎02'40
	11546 Jan 17 05:31	0°♑			11551 Mar 06 22:50	0°☿
	11546 Mar 04 13:04	0°♒			11551 Apr 22 08:02	0°♌
	11546 Apr 24 21:12	0°♋			11551 Jun 02 17:36	0°♍
desc. node	11546 May 13 13:34	9°♋40'23			11551 Jul 13 11:40	0°♎
	11546 Jul 06 01:35	0°♌			11551 Aug 24 03:15	0°♏
retrograde	11546 Jul 26 23:34	2°♌24'01			11551 Oct 06 08:55	0°♐
	11546 Aug 15 11:18	30°♌♋			11551 Nov 20 07:27	0°♑
opposition	11546 Sep 04 18:05	23°♌09'53 -3°34'32		evening set	11551 Dec 13 21:55	15°♑22'21
greatest brilliancy	11546 Sep 05 01:58	23°♌02'11 -1.3m		desc. node	11552 Jan 02 12:57	28°♑00'32
min. Earth dist.	11546 Sep 07 20:03	21°♌57'30 0.66753 AU			11552 Jan 05 15:32	0°♒
direct	11546 Oct 16 08:36	13°♌06'50				
	11546 Dec 16 00:20	0°♌		conjunction	11552 Jan 29 03:36	14°♒59'39 -0°14'13
	11547 Feb 07 17:36	0°♍		minimum elong	11552 Jan 29 03:10	14°♒58'57 0°13'39
	11547 Mar 24 11:21	0°♎		behind sun begin	11552 Jan 28 17:24	14°♒43'27
	11547 May 04 07:01	0°☿		behind sun end	11552 Jan 29 12:55	15°♒14'27
asc. node	11547 May 13 01:18	6°☿41'05		max. Earth dist.	11552 Feb 02 15:10	17°♒50'34 2.67770 AU
	11547 Jun 12 00:58	0°♌			11552 Feb 21 19:03	0°♋
	11547 Jul 19 23:48	0°♍		morning rise	11552 Mar 12 22:06	12°♋44'46
	11547 Aug 27 04:43	0°♎			11552 Apr 09 03:52	0°♌
evening set	11547 Aug 29 21:36	2°♎05'50			11552 May 26 08:52	0°♍
	11547 Oct 05 12:42	0°♏			11552 Jul 12 08:46	0°♎
					11552 Aug 28 12:33	0°☿
conjunction	11547 Nov 03 05:39	21°♏06'02 1°03'49			11552 Oct 16 06:53	0°♌
minimum elong	11547 Nov 03 06:51	21°♏08'12 1°04'20			11552 Dec 15 17:34	0°♍
	11547 Nov 15 15:35	0°♐		asc. node	11553 Jan 02 16:51	4°♍29'38
max. Earth dist.	11547 Dec 12 12:44	18°♐48'57 2.51796 AU		retrograde	11553 Jan 14 12:44	5°♍24'04
	11547 Dec 28 22:22	0°♑		min. Earth dist.	11553 Feb 12 08:22	0°♍40'16 0.36415 AU
morning rise	11547 Dec 29 12:41	0°♑24'09		opposition	11553 Feb 13 06:34	0°♍25'36 3°11'01
	11548 Feb 12 12:54	0°♒		greatest brilliancy	11553 Feb 13 01:36	0°♍28'53 -3.1m
desc. node	11548 Mar 30 05:15	29°♒07'08			11553 Feb 14 21:24	30°♒♌
	11548 Mar 31 16:12	0°♋		direct	11553 Mar 14 11:29	25°♌34'14
	11548 May 22 13:49	0°♌			11553 Apr 10 01:18	0°♍
	11548 Jul 25 16:42	0°♍			11553 Jun 09 23:02	0°♎
retrograde	11548 Sep 04 01:16	7°♍58'30			11553 Jul 28 03:58	0°♏
	11548 Oct 10 20:26	30°♒♌			11553 Sep 13 02:49	0°♐
opposition	11548 Oct 11 12:11	29°♌45'12 -5°04'46			11553 Oct 30 09:17	0°♑
greatest brilliancy	11548 Oct 12 16:47	29°♌18'14 -1.7m		desc. node	11553 Nov 19 12:27	12°♑40'55
min. Earth dist.	11548 Oct 18 07:21	27°♌11'30 0.58775 AU			11553 Dec 17 02:05	0°♒
direct	11548 Nov 21 01:12	20°♌01'08		evening set	11554 Jan 19 01:28	20°♒43'33
	11549 Jan 02 15:32	0°♋			11554 Feb 02 18:16	0°♋
	11549 Feb 26 06:12	0°♎		max. Earth dist.	11554 Feb 23 14:52	13°♋13'44 2.67556 AU
asc. node	11549 Mar 30 07:13	21°♎55'25				
	11549 Apr 10 10:36	0°☿		conjunction	11554 Mar 04 05:01	18°♋42'21 -0°50'09
	11549 May 20 03:14	0°♌		minimum elong	11554 Mar 04 03:56	18°♋40'36 0°49'56
	11549 Jun 27 16:40	0°♍			11554 Mar 21 19:34	0°♌
	11549 Aug 05 12:09	0°♎		morning rise	11554 Apr 16 18:30	16°♌50'31
	11549 Sep 14 12:37	0°♏			11554 May 06 18:27	0°♍
	11549 Oct 26 08:30	0°♐			11554 Jun 20 08:39	0°♎
evening set	11549 Oct 30 07:41	2°♐46'17			11554 Aug 02 13:14	0°☿
	11549 Dec 09 04:39	0°♑			11554 Sep 13 11:46	0°♌
					11554 Oct 24 17:00	0°♍
conjunction	11549 Dec 21 15:53	8°♑17'49 0°29'16		asc. node	11554 Nov 20 16:30	19°♍30'40
minimum elong	11549 Dec 21 17:00	8°♑19'41 0°30'00			11554 Dec 05 12:25	0°♎
max. Earth dist.	11550 Jan 09 21:28	20°♑55'32 2.62451 AU			11555 Jan 20 21:44	0°♏

retrograde	11555 Mar 22 16:59	20° \mathbb{M} 49'42		evening set	11560 May 20 21:25	21° \mathbb{I} 33'56	
min. Earth dist.	11555 Apr 19 07:10	15° \mathbb{M} 32'13	0.45974 AU		11560 Jun 01 01:31	0° \mathfrak{C}	
greatest brilliancy	11555 Apr 26 02:48	13° \mathbb{M} 09'55	-2.4m	max. Earth dist.	11560 Jun 16 18:05	12° \mathfrak{C} 01'12	2.37838 AU
opposition	11555 Apr 27 19:02	12° \mathbb{M} 34'37	5°50'26		11560 Jul 09 20:10	0° Ω	
direct	11555 May 30 14:59	5° \mathbb{M} 52'53		asc. node	11560 Jul 11 18:23	1° Ω 30'45	
	11555 Aug 13 12:08	0° \mathcal{A}					
desc. node	11555 Oct 07 17:25	0° \mathfrak{Z} 10'26		conjunction	11560 Jul 23 21:37	11° Ω 04'26	0°08'48
	11555 Oct 07 10:10	0° \mathfrak{Z}		minimum elong	11560 Jul 23 20:45	11° Ω 02'44	0°08'11
	11555 Nov 27 07:11	0° \approx		behind sun begin	11560 Jul 22 18:46	10° Ω 11'26	
	11556 Jan 15 08:25	0° \mathcal{H}		behind sun end	11560 Jul 24 22:45	11° Ω 54'03	
evening set	11556 Feb 23 15:27	24° \mathcal{H} 48'30			11560 Aug 16 19:09	0° \mathfrak{M}	
	11556 Mar 02 16:59	0° \mathcal{Y}			11560 Sep 23 19:48	0° \mathfrak{L}	
max. Earth dist.	11556 Mar 18 12:10	10° \mathcal{Y} 16'41	2.61881 AU	morning rise	11560 Oct 05 19:19	9° \mathfrak{L} 19'57	
					11560 Nov 01 18:58	0° \mathbb{M}	
conjunction	11556 Apr 08 19:05	24° \mathcal{Y} 22'22	-1°08'51		11560 Dec 12 12:25	0° \mathcal{A}	
minimum elong	11556 Apr 08 18:43	24° \mathcal{Y} 21'46	1°09'05		11561 Jan 24 19:27	0° \mathfrak{Z}	
	11556 Apr 17 04:09	0° \mathcal{B}			11561 Mar 12 19:35	0° \approx	
morning rise	11556 May 25 23:30	26° \mathcal{B} 42'29			11561 May 06 06:54	0° \mathcal{H}	
	11556 May 30 15:45	0° \mathbb{I}		desc. node	11561 May 30 05:43	10° \mathcal{H} 23'10	
	11556 Jul 11 06:54	0° \mathfrak{C}		retrograde	11561 Jul 13 04:25	19° \mathcal{H} 50'40	
	11556 Aug 20 09:21	0° Ω		opposition	11561 Aug 22 10:30	10° \mathcal{H} 20'22	-2°45'52
	11556 Sep 28 12:30	0° \mathfrak{M}		greatest brilliancy	11561 Aug 22 12:56	10° \mathcal{H} 17'59	-1.3m
asc. node	11556 Oct 07 09:02	6° \mathfrak{M} 49'53		min. Earth dist.	11561 Aug 24 00:21	9° \mathcal{H} 43'03	0.68064 AU
	11556 Nov 06 12:12	0° \mathfrak{L}		direct	11561 Oct 02 22:02	0° \mathcal{H} 21'41	
	11556 Dec 16 13:39	0° \mathbb{M}			11561 Dec 28 16:58	0° \mathcal{Y}	
	11557 Jan 28 20:19	0° \mathcal{A}			11562 Feb 16 16:03	0° \mathcal{B}	
	11557 Mar 23 18:34	0° \mathfrak{Z}			11562 Apr 01 13:20	0° \mathbb{I}	
retrograde	11557 May 05 04:42	10° \mathfrak{Z} 15'31			11562 May 12 03:24	0° \mathfrak{C}	
min. Earth dist.	11557 Jun 07 21:28	2° \mathfrak{Z} 43'43	0.58973 AU	asc. node	11562 May 29 16:31	13° \mathfrak{C} 28'54	
opposition	11557 Jun 13 19:16	0° \mathfrak{Z} 24'40	2°46'13		11562 Jun 19 19:46	0° Ω	
greatest brilliancy	11557 Jun 13 05:38	0° \mathfrak{Z} 38'02	-1.7m		11562 Jul 27 17:11	0° \mathfrak{M}	
	11557 Jun 14 20:29	30° \mathcal{R} \mathcal{A}		evening set	11562 Jul 30 14:22	2° \mathfrak{M} 17'05	
direct	11557 Jul 21 02:18	21° \mathcal{A} 53'53			11562 Sep 03 19:28	0° \mathfrak{L}	
desc. node	11557 Aug 25 01:04	28° \mathcal{A} 09'57					
	11557 Aug 30 11:53	0° \mathfrak{Z}		conjunction	11562 Oct 09 07:04	27° \mathfrak{L} 13'57	1°05'43
	11557 Nov 02 23:53	0° \approx		minimum elong	11562 Oct 09 06:09	27° \mathfrak{L} 12'15	1°06'00
	11557 Dec 25 14:35	0° \mathcal{H}			11562 Oct 12 23:18	0° \mathbb{M}	
	11558 Feb 12 03:18	0° \mathcal{Y}			11562 Nov 22 21:21	0° \mathcal{A}	
	11558 Mar 29 16:41	0° \mathcal{B}		max. Earth dist.	11562 Nov 26 14:24	2° \mathcal{A} 38'44	2.46381 AU
evening set	11558 Apr 02 11:20	2° \mathcal{B} 34'10		morning rise	11562 Dec 10 09:49	12° \mathcal{A} 22'54	
max. Earth dist.	11558 Apr 17 07:22	12° \mathcal{B} 47'10	2.51162 AU		11563 Jan 05 01:02	0° \mathfrak{Z}	
	11558 May 11 16:15	0° \mathbb{I}			11563 Feb 19 18:17	0° \approx	
					11563 Apr 09 16:10	0° \mathcal{H}	
conjunction	11558 May 23 00:01	8° \mathbb{I} 10'40	-0°55'45	desc. node	11563 Apr 16 22:06	4° \mathcal{H} 13'41	
minimum elong	11558 May 23 01:51	8° \mathbb{I} 13'59	0°56'24		11563 Jun 03 14:23	0° \mathcal{Y}	
	11558 Jun 21 12:08	0° \mathfrak{C}		retrograde	11563 Aug 19 09:23	23° \mathcal{Y} 36'21	
morning rise	11558 Jul 20 05:34	21° \mathfrak{C} 52'37		opposition	11563 Sep 26 22:41	14° \mathcal{Y} 55'11	-4°37'44
	11558 Jul 30 17:34	0° Ω		greatest brilliancy	11563 Sep 27 18:31	14° \mathcal{Y} 36'07	-1.5m
asc. node	11558 Aug 24 23:55	19° Ω 43'58		min. Earth dist.	11563 Oct 02 08:08	12° \mathcal{Y} 50'45	0.62668 AU
	11558 Sep 07 01:28	0° \mathfrak{M}		direct	11563 Nov 07 03:59	4° \mathcal{Y} 56'59	
	11558 Oct 15 07:41	0° \mathfrak{L}			11564 Jan 20 16:33	0° \mathcal{B}	
	11558 Nov 23 10:34	0° \mathbb{M}			11564 Mar 08 18:55	0° \mathbb{I}	
	11559 Jan 03 12:38	0° \mathcal{A}		asc. node	11564 Apr 15 19:55	27° \mathbb{I} 11'28	
	11559 Feb 17 04:50	0° \mathfrak{Z}			11564 Apr 19 14:23	0° \mathfrak{C}	
	11559 Apr 11 04:44	0° \approx			11564 May 28 18:04	0° Ω	
retrograde	11559 Jun 10 01:57	17° \approx 03'44			11564 Jul 05 23:19	0° \mathfrak{M}	
desc. node	11559 Jul 13 06:48	10° \approx 02'23			11564 Aug 13 11:10	0° \mathfrak{L}	
min. Earth dist.	11559 Jul 18 11:51	8° \approx 00'08	0.66773 AU		11564 Sep 22 03:26	0° \mathbb{M}	
opposition	11559 Jul 20 17:14	7° \approx 06'59	-0°16'08	evening set	11564 Oct 08 19:46	12° \mathbb{M} 14'16	
greatest brilliancy	11559 Jul 20 16:38	7° \approx 07'35	-1.4m		11564 Nov 02 14:57	0° \mathcal{A}	
	11559 Aug 10 13:13	30° \mathcal{R} \mathfrak{Z}					
direct	11559 Aug 29 20:43	27° \mathfrak{Z} 37'36		conjunction	11564 Dec 04 07:46	21° \mathcal{A} 58'39	0°45'19
	11559 Sep 19 18:35	0° \approx		minimum elong	11564 Dec 04 09:25	22° \mathcal{A} 01'28	0°46'02
	11559 Dec 02 01:30	0° \mathcal{H}			11564 Dec 16 04:12	0° \mathfrak{Z}	
	11560 Jan 23 02:18	0° \mathcal{Y}		max. Earth dist.	11564 Dec 30 15:29	9° \mathfrak{Z} 39'55	2.58883 AU
	11560 Mar 09 14:26	0° \mathcal{B}		morning rise	11565 Jan 23 07:10	25° \mathfrak{Z} 10'50	
	11560 Apr 21 14:19	0° \mathbb{I}			11565 Jan 30 18:00	0° \approx	

desc. node	11565 Mar 03 12:15	20° \approx 13'00	min. Earth dist.	11570 Mar 26 02:21	20° $\underline{\mathbf{a}}$ 22'10	0.40762 AU
	11565 Mar 19 04:08	0° \mathbf{H}	greatest brilliancy	11570 Apr 01 01:57	18° $\underline{\mathbf{a}}$ 30'06	-2.7m
	11565 May 07 14:03	0° \mathbf{Y}	opposition	11570 Apr 02 17:47	17° $\underline{\mathbf{a}}$ 58'47	6°12'31
	11565 Jun 29 12:38	0° \mathbf{B}	direct	11570 May 03 09:17	12° $\underline{\mathbf{a}}$ 15'34	
	11565 Sep 06 06:48	0° \mathbf{II}		11570 Jul 02 20:22	0° \mathbf{M}	
retrograde	11565 Oct 04 12:06	4° \mathbf{II} 15'04		11570 Aug 27 04:24	0° \mathbf{J}	
	11565 Oct 30 17:15	30° \mathbf{R} \mathbf{B}		11570 Oct 16 16:01	0° \mathbf{Z}	
opposition	11565 Nov 08 16:04	26° \mathbf{B} 59'33 -5°07'52	desc. node	11570 Oct 24 04:10	4° \mathbf{Z} 32'24	
greatest brilliancy	11565 Nov 10 06:50	26° \mathbf{B} 24'58 -2.0m		11570 Dec 04 22:02	0° \approx	
min. Earth dist.	11565 Nov 17 04:13	23° \mathbf{B} 58'37 0.51020 AU		11571 Jan 22 07:00	0° \mathbf{H}	
direct	11565 Dec 17 03:01	18° \mathbf{B} 06'43	evening set	11571 Feb 09 16:44	11° \mathbf{H} 35'56	
	11566 Jan 31 10:44	0° \mathbf{II}	max. Earth dist.	11571 Mar 09 21:02	29° \mathbf{H} 37'06	2.64742 AU
asc. node	11566 Mar 04 03:30	17° \mathbf{II} 26'45		11571 Mar 10 11:13	0° \mathbf{Y}	
	11566 Mar 23 10:43	0° \mathbf{E}				
	11566 May 04 07:46	0° \mathbf{Q}	conjunction	11571 Mar 26 01:44	10° \mathbf{Y} 08'27 -1°04'24	
	11566 Jun 13 00:07	0° \mathbf{M}	minimum elong	11571 Mar 26 00:54	10° \mathbf{Y} 07'04 1°04'28	
	11566 Jul 22 16:06	0° $\underline{\mathbf{a}}$		11571 Apr 25 01:42	0° \mathbf{B}	
	11566 Sep 01 11:16	0° \mathbf{M}	morning rise	11571 May 10 06:01	10° \mathbf{B} 14'58	
	11566 Oct 14 00:06	0° \mathbf{J}		11571 Jun 07 21:59	0° \mathbf{II}	
evening set	11566 Nov 27 21:53	0° \mathbf{Z} 19'51		11571 Jul 20 00:59	0° \mathbf{E}	
	11566 Nov 27 09:54	0° \mathbf{Z}		11571 Aug 29 16:33	0° \mathbf{Q}	
	11567 Jan 12 10:08	0° \approx		11571 Oct 08 08:48	0° \mathbf{M}	
			asc. node	11571 Oct 25 04:06	12° \mathbf{M} 46'33	
conjunction	11567 Jan 14 22:11	1° \approx 36'29 0°02'20		11571 Nov 16 23:08	0° $\underline{\mathbf{a}}$	
minimum elong	11567 Jan 14 22:18	1° \approx 36'40 0°02'59		11571 Dec 28 00:42	0° \mathbf{M}	
behind sun begin	11567 Jan 14 03:21	1° \approx 06'15		11572 Feb 12 06:52	0° \mathbf{J}	
behind sun end	11567 Jan 15 17:16	2° \approx 07'06	retrograde	11572 Apr 19 10:58	23° \mathbf{J} 26'22	
desc. node	11567 Jan 19 03:44	4° \approx 19'23	min. Earth dist.	11572 May 20 21:31	16° \mathbf{J} 41'42	0.54349 AU
max. Earth dist.	11567 Jan 24 18:18	7° \approx 54'49 2.66354 AU	greatest brilliancy	11572 May 27 02:25	14° \mathbf{J} 19'16	-1.9m
morning rise	11567 Feb 28 15:19	0° \mathbf{H} 04'39	opposition	11572 May 28 02:32	13° \mathbf{J} 56'09	4°03'13
	11567 Feb 28 12:23	0° \mathbf{H}	direct	11572 Jul 02 20:20	6° \mathbf{J} 00'08	
	11567 Apr 17 04:50	0° \mathbf{Y}	desc. node	11572 Sep 10 12:09	26° \mathbf{J} 37'02	
	11567 Jun 04 06:40	0° \mathbf{B}		11572 Sep 17 12:56	0° \mathbf{Z}	
	11567 Jul 23 02:26	0° \mathbf{II}		11572 Nov 12 10:44	0° \approx	
	11567 Sep 12 07:36	0° \mathbf{E}		11573 Jan 02 05:21	0° \mathbf{H}	
	11567 Nov 16 23:32	0° \mathbf{Q}		11573 Feb 19 04:00	0° \mathbf{Y}	
retrograde	11567 Dec 13 04:39	4° \mathbf{Q} 00'24	evening set	11573 Mar 17 14:37	17° \mathbf{Y} 15'08	
	11568 Jan 08 09:42	30° \mathbf{R} \mathbf{E}	max. Earth dist.	11573 Apr 04 11:44	29° \mathbf{Y} 13'25	2.55902 AU
opposition	11568 Jan 12 08:56	28° \mathbf{E} 54'27 -0°36'07		11573 Apr 05 15:15	0° \mathbf{B}	
greatest brilliancy	11568 Jan 12 12:46	28° \mathbf{E} 51'46 -3.0m				
min. Earth dist.	11568 Jan 17 04:49	27° \mathbf{E} 33'35 0.37991 AU	conjunction	11573 May 04 07:32	19° \mathbf{B} 46'10 -1°05'58	
asc. node	11568 Jan 20 08:43	26° \mathbf{E} 42'31	minimum elong	11573 May 04 08:26	19° \mathbf{B} 47'43 1°06'29	
direct	11568 Feb 12 20:15	23° \mathbf{E} 14'31		11573 May 18 18:42	0° \mathbf{II}	
	11568 Mar 16 06:49	0° \mathbf{Q}	morning rise	11573 Jun 25 22:43	27° \mathbf{II} 48'44	
	11568 May 10 17:01	0° \mathbf{M}		11573 Jun 28 21:14	0° \mathbf{E}	
	11568 Jun 24 20:15	0° $\underline{\mathbf{a}}$		11573 Aug 07 09:50	0° \mathbf{Q}	
	11568 Aug 08 00:14	0° \mathbf{M}	asc. node	11573 Sep 10 19:51	26° \mathbf{Q} 44'45	
	11568 Sep 21 22:28	0° \mathbf{J}		11573 Sep 14 23:45	0° \mathbf{M}	
	11568 Nov 07 00:49	0° \mathbf{Z}		11573 Oct 23 10:34	0° $\underline{\mathbf{a}}$	
desc. node	11568 Dec 06 00:11	18° \mathbf{Z} 31'50		11573 Dec 01 18:15	0° \mathbf{M}	
	11568 Dec 24 01:39	0° \approx		11574 Jan 12 06:29	0° \mathbf{J}	
evening set	11569 Jan 05 02:23	7° \approx 37'13		11574 Feb 27 09:58	0° \mathbf{Z}	
	11569 Feb 09 11:05	0° \mathbf{H}		11574 May 02 09:36	0° \approx	
max. Earth dist.	11569 Feb 15 02:19	3° \mathbf{H} 34'15 2.68290 AU	retrograde	11574 May 27 15:02	3° \approx 45'20	
				11574 Jun 20 03:57	30° \mathbf{R} \mathbf{Z}	
conjunction	11569 Feb 18 16:47	5° \mathbf{H} 51'19 -0°37'47	min. Earth dist.	11574 Jul 03 08:36	25° \mathbf{Z} 13'43	0.64474 AU
minimum elong	11569 Feb 18 15:48	5° \mathbf{H} 49'46 0°37'25	opposition	11574 Jul 07 01:33	23° \mathbf{Z} 45'15	0°50'40
	11569 Mar 28 13:41	0° \mathbf{Y}	greatest brilliancy	11574 Jul 06 23:00	23° \mathbf{Z} 47'48	-1.5m
morning rise	11569 Apr 02 23:00	3° \mathbf{Y} 27'33	desc. node	11574 Jul 29 18:27	16° \mathbf{Z} 19'29	
	11569 May 13 21:34	0° \mathbf{B}	direct	11574 Aug 15 06:52	14° \mathbf{Z} 34'37	
	11569 Jun 28 04:53	0° \mathbf{II}		11574 Oct 13 16:44	0° \approx	
	11569 Aug 11 10:53	0° \mathbf{E}		11574 Dec 11 16:12	0° \mathbf{H}	
	11569 Sep 23 20:20	0° \mathbf{Q}		11575 Jan 30 20:57	0° \mathbf{Y}	
	11569 Nov 06 04:51	0° \mathbf{M}		11575 Mar 17 21:15	0° \mathbf{B}	
asc. node	11569 Dec 07 08:51	20° \mathbf{M} 41'17		11575 Apr 29 19:49	0° \mathbf{II}	
	11569 Dec 22 10:45	0° $\underline{\mathbf{a}}$	evening set	11575 Apr 30 16:19	0° \mathbf{II} 36'56	
retrograde	11570 Feb 28 04:07	24° $\underline{\mathbf{a}}$ 51'21	max. Earth dist.	11575 May 15 14:26	11° \mathbf{II} 29'01	2.42880 AU

	11575 Jun 09 09:38	0°☾	desc. node	11580 Mar 20 04:59	26°☾08'50	
				11580 Mar 26 11:32	0°☿	
conjunction	11575 Jun 27 07:33	13°☾41'04 -0°22'32		11580 May 16 05:09	0°♊	
minimum elong	11575 Jun 27 09:22	13°☾44'35 0°23'15		11580 Jul 13 01:52	0°♋	
	11575 Jul 18 07:51	0°♌	retrograde	11580 Sep 14 08:50	17°♋16'41	
asc. node	11575 Jul 29 11:22	8°♌44'39	opposition	11580 Oct 21 01:57	9°♋21'38 -5°12'54	
	11575 Aug 25 09:33	0°♍	greatest brilliancy	11580 Oct 22 11:05	8°♋50'49 -1.8m	
morning rise	11575 Sep 04 19:34	8°♍14'13	min. Earth dist.	11580 Oct 28 13:48	6°♋34'58 0.56223 AU	
	11575 Oct 02 11:24	0°♎		11580 Nov 25 08:49	30°♋♊	
	11575 Nov 10 10:38	0°♏	direct	11580 Nov 30 00:36	29°♊51'03	
	11575 Dec 21 04:44	0°♐		11580 Dec 04 18:00	0°♋	
	11576 Feb 02 18:18	0°♑		11581 Feb 18 08:35	0°♌	
	11576 Mar 21 23:10	0°♒	asc. node	11581 Mar 20 16:38	19°♌50'03	
	11576 May 22 20:50	0°♓		11581 Apr 04 02:08	0°☾	
desc. node	11576 Jun 15 20:18	6°♓16'57		11581 May 14 08:08	0°♌	
retrograde	11576 Jun 29 19:30	7°♓25'12		11581 Jun 22 04:44	0°♍	
	11576 Aug 03 11:50	30°♓♒		11581 Jul 31 05:41	0°♎	
opposition	11576 Aug 09 08:49	27°♒41'51 -1°51'54		11581 Sep 09 11:12	0°♏	
greatest brilliancy	11576 Aug 09 07:58	27°♒42'41 -1.3m		11581 Oct 21 11:27	0°♐	
min. Earth dist.	11576 Aug 09 10:32	27°♒40'09 0.68364 AU	evening set	11581 Nov 10 05:52	13°♐38'47	
direct	11576 Sep 19 12:14	17°♒51'36		11581 Dec 04 11:02	0°♑	
	11576 Nov 09 17:13	0°♒				
	11577 Jan 07 19:43	0°♓	conjunction	11581 Dec 30 19:10	17°♑23'43 0°19'23	
	11577 Feb 24 21:40	0°♋	minimum elong	11581 Dec 30 19:55	17°♑24'56 0°20'07	
	11577 Apr 09 07:19	0°♌	max. Earth dist.	11582 Jan 15 11:49	27°♑35'49 2.64056 AU	
	11577 May 19 18:47	0°☾		11582 Jan 19 05:08	0°♒	
asc. node	11577 Jun 15 08:56	20°☾31'19	desc. node	11582 Feb 04 19:43	10°♒39'28	
	11577 Jun 27 11:02	0°♌	morning rise	11582 Feb 15 00:35	17°♒09'29	
evening set	11577 Jun 30 09:13	2°♌18'13		11582 Mar 07 08:04	0°♒	
	11577 Aug 04 08:03	0°♍		11582 Apr 24 11:46	0°♓	
				11582 Jun 12 19:37	0°♋	
conjunction	11577 Sep 10 08:15	29°♍12'27 0°54'04		11582 Aug 03 17:04	0°♌	
minimum elong	11577 Sep 10 04:37	29°♍05'20 0°53'58		11582 Oct 05 20:55	0°☾	
	11577 Sep 11 08:36	0°♎	retrograde	11582 Nov 12 11:33	7°☾24'44	
	11577 Oct 20 09:25	0°♏	opposition	11582 Dec 14 12:41	1°☾29'44 -3°24'52	
max. Earth dist.	11577 Nov 02 21:46	10°♏06'37 2.40719 AU	greatest brilliancy	11582 Dec 15 17:02	1°☾07'34 -2.6m	
morning rise	11577 Nov 18 04:21	21°♏20'15		11582 Dec 19 07:15	30°♋♌	
	11577 Nov 30 04:05	0°♐	min. Earth dist.	11582 Dec 22 15:44	28°♌58'08 0.42358 AU	
	11578 Jan 12 06:37	0°♑	direct	11583 Jan 18 04:54	24°♌23'52	
	11578 Feb 27 06:20	0°♒	asc. node	11583 Feb 05 22:42	26°♌48'30	
	11578 Apr 18 09:59	0°♓		11583 Feb 16 09:25	0°☾	
desc. node	11578 May 03 15:14	8°♓21'08		11583 Apr 13 02:40	0°♌	
	11578 Jun 18 17:13	0°♓		11583 May 26 11:05	0°♍	
retrograde	11578 Aug 04 04:52	10°♓15'10		11583 Jul 07 04:00	0°♎	
opposition	11578 Sep 12 14:23	1°♓11'32 -3°59'59		11583 Aug 18 10:55	0°♏	
greatest brilliancy	11578 Sep 13 02:06	1°♓00'07 -1.4m		11583 Oct 01 03:35	0°♐	
	11578 Sep 15 15:46	30°♋♍		11583 Nov 15 10:07	0°♑	
min. Earth dist.	11578 Sep 16 11:51	29°♋40'29 0.65596 AU	evening set	11583 Dec 22 13:09	23°♑59'05	
direct	11578 Oct 24 03:23	21°♋08'32	desc. node	11583 Dec 23 15:13	24°♑40'50	
	11578 Dec 04 14:51	0°♓		11583 Dec 31 22:52	0°♒	
	11579 Feb 01 07:34	0°♋				
	11579 Mar 18 23:16	0°♌	conjunction	11584 Feb 06 01:35	22°♒58'01 -0°23'22	
	11579 Apr 29 02:14	0°☾	minimum elong	11584 Feb 06 00:54	22°♒56'55 0°22'52	
asc. node	11579 May 03 11:22	3°☾19'01	max. Earth dist.	11584 Feb 07 15:16	23°♒57'46 2.68185 AU	
	11579 Jun 06 23:16	0°♌		11584 Feb 17 03:44	0°♒	
	11579 Jul 14 23:43	0°♍	morning rise	11584 Mar 20 12:36	20°♋32'15	
	11579 Aug 22 06:08	0°♎		11584 Apr 04 09:38	0°♓	
evening set	11579 Sep 14 16:31	17°♎58'50		11584 May 21 05:56	0°♋	
	11579 Sep 30 15:53	0°♏		11584 Jul 06 12:59	0°♌	
	11579 Nov 10 20:21	0°♐		11584 Aug 21 09:32	0°☾	
				11584 Oct 06 10:21	0°♌	
conjunction	11579 Nov 15 16:25	3°♐25'32 0°58'35		11584 Nov 24 07:28	0°♍	
minimum elong	11579 Nov 15 18:06	3°♐28'30 0°59'12	asc. node	11584 Dec 24 02:26	14°♍59'55	
max. Earth dist.	11579 Dec 20 04:52	27°♐18'58 2.54509 AU	retrograde	11585 Jan 31 22:55	24°♍10'25	
	11579 Dec 24 04:04	0°♑	min. Earth dist.	11585 Feb 27 17:01	19°♍50'23 0.37123 AU	
morning rise	11580 Jan 08 09:03	10°♑11'05	opposition	11585 Mar 03 17:07	18°♍44'06 4°54'15	
	11580 Feb 07 16:41	0°♒	greatest brilliancy	11585 Mar 02 21:50	18°♍57'27 -3.0m	

direct	11585 Apr 02 00:10	13° \mathbb{M} 47'37		minimum elong	11590 Jun 03 18:47	20° \mathbb{I} 17'51	0°47'00
	11585 May 27 13:27	0° \mathfrak{L}			11590 Jun 16 18:03	0° \mathfrak{G}	
	11585 Jul 20 04:09	0° \mathbb{M}			11590 Jul 25 21:09	0° \mathcal{O}	
	11585 Sep 06 22:05	0° \mathfrak{A}		morning rise	11590 Aug 04 18:47	7° \mathcal{O} 43'42	
	11585 Oct 25 01:29	0° \mathfrak{Z}		asc. node	11590 Aug 15 07:54	15° \mathcal{O} 59'58	
desc. node	11585 Nov 09 15:37	9° \mathfrak{Z} 42'43			11590 Sep 02 02:37	0° \mathbb{M}	
	11585 Dec 12 05:13	0° \approx		greatest brilliancy	11590 Sep 28 14:31	20° \mathbb{M} 51'52	1.2m
evening set	11586 Jan 26 22:13	28° \approx 37'23			11590 Oct 10 06:30	0° \mathfrak{L}	
	11586 Jan 29 02:38	0° \mathfrak{H}			11590 Nov 18 06:51	0° \mathbb{M}	
max. Earth dist.	11586 Feb 28 16:46	19° \mathfrak{H} 24'33	2.66775 AU		11590 Dec 29 03:50	0° \mathfrak{A}	
					11591 Feb 11 05:46	0° \mathfrak{Z}	
conjunction	11586 Mar 12 00:49	26° \mathfrak{H} 40'28	-0°56'18		11591 Apr 02 16:06	0° \approx	
minimum elong	11586 Mar 11 23:45	26° \mathfrak{H} 38'45	0°56'11	retrograde	11591 Jun 17 15:44	24° \approx 54'14	
	11586 Mar 17 04:45	0° \mathbb{Y}		desc. node	11591 Jul 03 09:32	23° \approx 15'51	
morning rise	11586 Apr 25 00:05	25° \mathbb{Y} 20'49		min. Earth dist.	11591 Jul 26 21:33	15° \approx 35'02	0.67628 AU
	11586 May 02 00:20	0° \mathfrak{B}		opposition	11591 Jul 28 07:44	15° \approx 01'01	-0°53'03
	11586 Jun 15 07:44	0° \mathbb{I}		greatest brilliancy	11591 Jul 28 06:11	15° \approx 02'34	-1.3m
	11586 Jul 28 02:09	0° \mathfrak{G}		direct	11591 Sep 06 21:25	5° \approx 23'08	
	11586 Sep 07 12:00	0° \mathcal{O}			11591 Nov 24 18:48	0° \mathfrak{H}	
	11586 Oct 18 00:42	0° \mathbb{M}			11592 Jan 17 14:59	0° \mathbb{Y}	
asc. node	11586 Nov 10 22:30	17° \mathbb{M} 42'38			11592 Mar 04 15:04	0° \mathfrak{B}	
	11586 Nov 27 17:54	0° \mathfrak{L}			11592 Apr 16 18:38	0° \mathbb{I}	
	11587 Jan 10 02:09	0° \mathbb{M}			11592 May 27 06:13	0° \mathfrak{G}	
	11587 Mar 09 18:32	0° \mathfrak{A}		evening set	11592 Jun 03 08:31	5° \mathfrak{G} 24'49	
retrograde	11587 Apr 02 19:33	3° \mathfrak{A} 53'40		asc. node	11592 Jul 02 01:50	27° \mathfrak{G} 41'43	
	11587 Apr 25 23:54	30° \mathfrak{K} \mathbb{M}			11592 Jul 05 00:20	0° \mathcal{O}	
min. Earth dist.	11587 May 01 18:51	28° \mathbb{M} 03'34	0.49044 AU				
opposition	11587 May 09 23:35	25° \mathbb{M} 04'23	5°16'47	conjunction	11592 Aug 09 23:10	28° \mathcal{O} 25'53	0°27'27
greatest brilliancy	11587 May 08 12:19	25° \mathbb{M} 36'42	-2.2m	minimum elong	11592 Aug 09 20:18	28° \mathcal{O} 20'12	0°26'57
direct	11587 Jun 12 21:53	17° \mathbb{M} 53'08			11592 Aug 11 22:37	0° \mathbb{M}	
	11587 Aug 01 12:19	0° \mathfrak{A}		max. Earth dist.	11592 Aug 16 19:50	3° \mathbb{M} 52'26	2.36384 AU
desc. node	11587 Sep 27 22:22	28° \mathfrak{A} 28'07			11592 Sep 18 22:51	0° \mathfrak{L}	
	11587 Sep 30 17:08	0° \mathfrak{Z}		morning rise	11592 Oct 22 14:14	25° \mathfrak{L} 58'13	
	11587 Nov 21 22:18	0° \approx			11592 Oct 27 21:53	0° \mathbb{M}	
	11588 Jan 10 12:20	0° \mathfrak{H}			11592 Dec 07 14:28	0° \mathfrak{A}	
	11588 Feb 27 01:46	0° \mathbb{Y}			11593 Jan 19 17:47	0° \mathfrak{Z}	
evening set	11588 Mar 02 18:02	3° \mathbb{Y} 01'23			11593 Mar 07 05:04	0° \approx	
max. Earth dist.	11588 Mar 24 08:46	17° \mathbb{Y} 10'24	2.59968 AU		11593 Apr 28 11:20	0° \mathfrak{H}	
	11588 Apr 12 13:08	0° \mathfrak{B}		desc. node	11593 May 20 06:45	10° \mathfrak{H} 41'25	
				retrograde	11593 Jul 21 00:02	27° \mathfrak{H} 29'46	
conjunction	11588 Apr 17 14:32	3° \mathfrak{B} 25'30	-1°09'25	opposition	11593 Aug 30 00:07	18° \mathfrak{H} 07'51	-3°15'03
minimum elong	11588 Apr 17 14:33	3° \mathfrak{B} 25'32	1°09'46	greatest brilliancy	11593 Aug 30 05:19	18° \mathfrak{H} 02'45	-1.3m
	11588 May 25 22:07	0° \mathbb{I}		min. Earth dist.	11593 Sep 01 09:23	17° \mathfrak{H} 11'34	0.67473 AU
morning rise	11588 Jun 05 08:35	7° \mathbb{I} 26'03		direct	11593 Oct 10 13:59	8° \mathfrak{H} 06'16	
	11588 Jul 06 08:38	0° \mathfrak{G}			11593 Dec 20 23:29	0° \mathbb{Y}	
	11588 Aug 15 05:50	0° \mathcal{O}			11594 Feb 10 22:34	0° \mathfrak{B}	
	11588 Sep 23 03:28	0° \mathbb{M}			11594 Mar 27 08:37	0° \mathbb{I}	
asc. node	11588 Sep 27 15:20	3° \mathbb{M} 29'20			11594 May 07 02:43	0° \mathfrak{G}	
	11588 Oct 31 21:10	0° \mathfrak{L}		asc. node	11594 May 20 01:07	9° \mathfrak{G} 53'25	
	11588 Dec 10 13:43	0° \mathbb{M}			11594 Jun 14 20:32	0° \mathcal{O}	
	11589 Jan 21 22:08	0° \mathfrak{A}		greatest brilliancy	11594 Jul 18 15:25	26° \mathcal{O} 43'22	1.2m
	11589 Mar 12 07:21	0° \mathfrak{Z}			11594 Jul 22 18:39	0° \mathbb{M}	
retrograde	11589 May 13 14:01	19° \mathfrak{Z} 29'20		evening set	11594 Aug 16 20:39	19° \mathbb{M} 47'54	
min. Earth dist.	11589 Jun 17 10:35	11° \mathfrak{Z} 34'36	0.61205 AU		11594 Aug 29 21:44	0° \mathfrak{L}	
opposition	11589 Jun 22 14:11	9° \mathfrak{Z} 32'31	2°02'36		11594 Oct 08 02:55	0° \mathbb{M}	
greatest brilliancy	11589 Jun 22 05:24	9° \mathfrak{Z} 41'10	-1.6m				
direct	11589 Jul 30 15:29	0° \mathfrak{Z} 45'48		conjunction	11594 Oct 23 20:24	11° \mathbb{M} 41'33	1°05'58
desc. node	11589 Aug 15 06:13	2° \mathfrak{Z} 08'45		minimum elong	11594 Oct 23 20:56	11° \mathbb{M} 42'31	1°06'25
	11589 Oct 26 22:13	0° \approx			11594 Nov 18 02:14	0° \mathfrak{A}	
	11589 Dec 20 05:10	0° \mathfrak{H}		max. Earth dist.	11594 Dec 06 07:04	12° \mathfrak{A} 50'56	2.49440 AU
	11590 Feb 07 06:42	0° \mathbb{Y}		morning rise	11594 Dec 21 13:30	23° \mathfrak{A} 24'19	
	11590 Mar 25 00:06	0° \mathfrak{B}			11594 Dec 31 06:02	0° \mathfrak{Z}	
evening set	11590 Apr 12 01:47	12° \mathfrak{B} 23'49			11595 Feb 14 19:49	0° \approx	
max. Earth dist.	11590 Apr 26 00:07	22° \mathfrak{B} 09'51	2.48329 AU		11595 Apr 04 04:29	0° \mathfrak{H}	
	11590 May 06 23:55	0° \mathbb{I}		desc. node	11595 Apr 06 23:18	1° \mathfrak{H} 39'52	
					11595 May 27 01:07	0° \mathbb{Y}	
conjunction	11590 Jun 03 16:36	20° \mathbb{I} 13'48	-0°46'18		11595 Aug 08 19:49	0° \mathfrak{B}	

retrograde	11595 Aug 28 15:36	2°♄09'01			11600 Nov 01 22:17	0°♄	
	11595 Sep 16 02:49	30°♄♂		desc. node	11600 Nov 26 03:52	15°♄23'13	
opposition	11595 Oct 05 15:01	23°♄♂42'21	-4°54'47		11600 Dec 19 07:02	0°♄	
greatest brilliancy	11595 Oct 06 15:40	23°♄♂18'51	-1.6m	evening set	11601 Jan 13 02:52	15°♄39'14	
min. Earth dist.	11595 Oct 11 18:55	21°♄♂21'32	0.60645 AU		11601 Feb 04 20:04	0°♄	
direct	11595 Nov 15 12:15	13°♄♂50'39		max. Earth dist.	11601 Feb 20 01:45	9°♄39'31	2.67990 AU
	11596 Jan 11 05:00	0°♄					
	11596 Mar 02 08:16	0°♄		conjunction	11601 Feb 26 09:47	13°♄41'06	-0°45'19
asc. node	11596 Apr 06 06:38	24°♄♂23'56		minimum elong	11601 Feb 26 08:43	13°♄39'23	0°45'02
	11596 Apr 13 21:38	0°♄			11601 Mar 23 22:10	0°♄♂	
	11596 May 23 08:38	0°♄		morning rise	11601 Apr 10 18:15	11°♄♂30'47	
	11596 Jun 30 17:58	0°♄♂			11601 May 09 01:25	0°♄	
	11596 Aug 08 09:00	0°♄			11601 Jun 22 23:36	0°♄♂	
	11596 Sep 17 04:33	0°♄♂			11601 Aug 05 15:08	0°♄	
evening set	11596 Oct 21 08:34	24°♄♂44'19			11601 Sep 17 03:53	0°♄♂	
	11596 Oct 28 19:10	0°♄♂			11601 Oct 29 03:17	0°♄♂	
	11596 Dec 11 10:47	0°♄		asc. node	11601 Nov 27 17:39	20°♄♂49'11	
					11601 Dec 11 05:58	0°♄	
conjunction	11596 Dec 14 09:41	1°♄♂58'51	0°36'12				
minimum elong	11596 Dec 14 11:03	2°♄♂01'09	0°36'57				
max. Earth dist.	11597 Jan 05 17:42	16°♄♂47'13	2.60953 AU				
	11597 Jan 26 00:56	0°♄					
morning rise	11597 Jan 31 19:21	3°♄♄42'56					
desc. node	11597 Feb 21 12:53	16°♄♄56'34					
	11597 Mar 14 07:05	0°♄♂					
	11597 May 02 03:10	0°♄♂					
	11597 Jun 22 08:47	0°♄					
	11597 Aug 19 17:09	0°♄♂					
retrograde	11597 Oct 17 08:23	15°♄♂34'29					
opposition	11597 Nov 20 12:55	8°♄♂45'13	-4°47'22				
greatest brilliancy	11597 Nov 22 03:33	8°♄♂12'01	-2.2m				
min. Earth dist.	11597 Nov 29 07:53	5°♄♂45'21	0.47916 AU				
direct	11597 Dec 27 20:49	0°♄♂23'47					
asc. node	11598 Feb 22 12:44	18°♄♂19'37					
	11598 Mar 14 09:40	0°♄					
	11598 Apr 27 06:15	0°♄♂					
	11598 Jun 06 18:26	0°♄♂					
	11598 Jul 16 22:36	0°♄					
	11598 Aug 27 03:10	0°♄♂					
	11598 Oct 08 23:28	0°♄♂					
	11598 Nov 22 14:51	0°♄					
evening set	11598 Dec 07 03:59	9°♄♄32'57					
	11599 Jan 07 18:17	0°♄					
desc. node	11599 Jan 09 05:22	0°♄♄56'18					
conjunction	11599 Jan 23 02:47	9°♄♄49'36	-0°07'31				
minimum elong	11599 Jan 23 02:33	9°♄♄49'13	0°06'53				
behind sun begin	11599 Jan 22 09:16	9°♄♄21'40					
behind sun end	11599 Jan 23 19:49	10°♄♄16'45					
max. Earth dist.	11599 Jan 29 22:19	14°♄♄10'17	2.67241 AU				
	11599 Feb 23 20:42	0°♄♂					
morning rise	11599 Mar 08 05:51	7°♄♄50'05					
	11599 Apr 12 08:26	0°♄♂					
	11599 May 29 21:51	0°♄					
	11599 Jul 16 14:50	0°♄♂					
	11599 Sep 03 04:11	0°♄					
	11599 Oct 25 14:18	0°♄♂					
retrograde	11599 Dec 31 22:35	21°♄♂42'14					
asc. node	11600 Jan 10 16:50	21°♄♂05'44					
opposition	11600 Jan 30 13:46	16°♄♂49'02	1°32'56				
greatest brilliancy	11600 Jan 30 15:05	16°♄♂48'10	-3.1m				
min. Earth dist.	11600 Feb 01 09:10	16°♄♂20'14	0.36672 AU				
direct	11600 Feb 29 10:34	11°♄♂44'47					
	11600 Apr 27 07:02	0°♄♂					
	11600 Jun 16 08:50	0°♄					
	11600 Aug 01 08:19	0°♄♂					
	11600 Sep 16 06:03	0°♄♂					