

conjunction	10100 Jan 04 00:33	19°♄18'45	0°03'37			10104 Oct 07 01:41	0°♎	
minimum elong	10100 Jan 04 00:40	19°♄18'56	0°04'04			10104 Nov 15 23:07	0°♊	
behind sun begin	10100 Jan 03 06:25	18°♄49'57				10104 Dec 28 16:54	0°♎	
behind sun end	10100 Jan 04 18:54	19°♄47'55				10105 Feb 17 21:50	0°♈	
max. Earth dist.	10100 Jan 07 16:19	21°♄38'14	2.67775 AU	retrograde		10105 Apr 10 22:00	14°♈37'53	
desc. node	10100 Jan 10 18:56	23°♄36'44		min. Earth dist.		10105 May 14 20:01	7°♈02'25	0.59431 AU
	10100 Jan 20 20:32	0°♌		opposition		10105 May 20 15:11	4°♈45'57	3°40'35
morning rise	10100 Feb 16 22:08	17°♌09'27		greatest brilliancy		10105 May 19 21:47	5°♈03'01	-1.7m
	10100 Mar 09 04:04	0°♈				10105 Jun 02 21:08	30°♎	
	10100 Apr 25 06:56	0°♈		direct		10105 Jun 27 02:15	26°♎12'05	
	10100 Jun 11 02:45	0°♈				10105 Jul 23 13:00	0°♈	
	10100 Jul 27 22:13	0°♊		desc. node		10105 Sep 03 00:13	15°♈41'52	
	10100 Sep 13 19:37	0°♋				10105 Oct 01 19:00	0°♄	
	10100 Nov 07 13:41	0°♌				10105 Nov 24 04:56	0°♌	
retrograde	10100 Dec 23 01:21	11°♌43'02				10106 Jan 12 03:21	0°♈	
asc. node	10100 Dec 31 04:20	11°♌16'35				10106 Feb 26 23:35	0°♈	
min. Earth dist.	10101 Jan 20 14:57	7°♌03'39	0.36514 AU	evening set		10106 Mar 09 21:24	7°♈24'58	
opposition	10101 Jan 22 02:57	6°♌39'34	1°42'45	max. Earth dist.		10106 Mar 24 13:43	17°♈33'54	2.50572 AU
greatest brilliancy	10101 Jan 21 23:07	6°♌42'08	-3.1m			10106 Apr 11 04:19	0°♈	
direct	10101 Feb 20 10:14	1°♌48'03						
	10101 May 08 11:56	0°♎		conjunction		10106 Apr 29 17:01	13°♈23'15	-1°02'53
	10101 Jun 26 18:52	0°♊		minimum elong		10106 Apr 29 18:22	13°♈25'43	1°03'09
	10101 Aug 13 00:02	0°♎				10106 May 22 03:48	0°♊	
	10101 Sep 29 07:57	0°♈		morning rise		10106 Jun 27 06:18	27°♊30'37	
	10101 Nov 16 01:29	0°♄				10106 Jun 30 11:30	0°♋	
desc. node	10101 Nov 28 18:08	7°♄57'48				10106 Aug 07 20:26	0°♌	
evening set	10101 Dec 25 21:14	25°♄00'52		asc. node		10106 Aug 22 17:03	11°♌41'04	
	10102 Jan 02 19:02	0°♌				10106 Sep 15 02:10	0°♎	
max. Earth dist.	10102 Jan 30 02:02	17°♌18'15	2.67319 AU			10106 Oct 24 02:43	0°♊	
						10106 Dec 03 23:27	0°♎	
conjunction	10102 Feb 08 05:43	23°♌08'59	-0°35'57			10107 Jan 17 03:20	0°♈	
minimum elong	10102 Feb 08 04:47	23°♌07'29	0°35'39			10107 Mar 09 09:12	0°♄	
	10102 Feb 18 21:56	0°♈		retrograde		10107 May 16 16:15	21°♄14'58	
morning rise	10102 Mar 23 23:05	21°♈27'37		min. Earth dist.		10107 Jun 24 06:49	12°♄07'48	0.66898 AU
	10102 Apr 05 22:13	0°♈		opposition		10107 Jun 26 07:55	11°♄19'00	0°54'24
	10102 May 20 13:17	0°♈		greatest brilliancy		10107 Jun 26 06:32	11°♄20'22	-1.4m
	10102 Jul 02 18:07	0°♊		desc. node		10107 Jul 22 03:14	3°♄06'33	
	10102 Aug 13 16:26	0°♋		direct		10107 Aug 05 14:13	1°♄47'49	
	10102 Sep 23 19:48	0°♌				10107 Oct 30 16:02	0°♌	
	10102 Nov 04 07:58	0°♎				10107 Dec 22 18:50	0°♈	
asc. node	10102 Nov 18 03:09	9°♎37'37				10108 Feb 07 18:48	0°♈	
	10102 Dec 19 09:42	0°♊				10108 Mar 22 02:09	0°♈	
retrograde	10103 Feb 26 22:29	25°♊54'44		evening set		10108 Apr 27 23:40	27°♈09'08	
min. Earth dist.	10103 Mar 26 20:51	20°♊30'33	0.46578 AU			10108 May 01 18:09	0°♊	
greatest brilliancy	10103 Apr 02 14:18	18°♊08'07	-2.3m	max. Earth dist.		10108 May 29 21:07	21°♊35'29	2.37468 AU
opposition	10103 Apr 04 07:01	17°♊31'58	5°46'53			10108 Jun 09 15:40	0°♋	
direct	10103 May 07 05:45	10°♊44'17						
	10103 Jul 11 07:58	0°♎		conjunction		10108 Jul 01 03:49	16°♋56'01	-0°06'09
	10103 Sep 05 16:55	0°♈		minimum elong		10108 Jul 01 04:29	16°♋57'21	0°06'34
desc. node	10103 Oct 16 20:09	23°♈57'24		behind sun begin		10108 Jun 30 01:03	16°♋03'07	
	10103 Oct 26 23:28	0°♄		behind sun end		10108 Jul 02 07:56	17°♋51'36	
	10103 Dec 15 06:15	0°♌		asc. node		10108 Jul 09 13:48	23°♋35'42	
evening set	10104 Jan 30 15:28	29°♌15'05				10108 Jul 17 15:52	0°♌	
	10104 Jan 31 19:24	0°♈				10108 Aug 24 16:02	0°♎	
max. Earth dist.	10104 Feb 22 19:52	14°♈18'44	2.61434 AU	morning rise		10108 Sep 12 17:52	14°♎50'40	
						10108 Oct 02 13:05	0°♊	
conjunction	10104 Mar 16 01:23	29°♈04'14	-1°03'37			10108 Nov 12 02:35	0°♎	
minimum elong	10104 Mar 16 00:31	29°♈02'46	1°03'34			10108 Dec 25 02:49	0°♈	
	10104 Mar 17 10:35	0°♈				10109 Feb 09 14:23	0°♄	
	10104 Apr 30 01:25	0°♈				10109 Apr 03 12:22	0°♌	
morning rise	10104 May 02 10:59	1°♈41'24		desc. node		10109 Jun 08 02:42	23°♌22'11	
	10104 Jun 10 18:52	0°♊		retrograde		10109 Jun 18 20:27	24°♌03'01	
	10104 Jul 20 22:54	0°♋		opposition		10109 Jul 29 01:00	14°♌34'19	-1°43'37
	10104 Aug 29 02:49	0°♌		greatest brilliancy		10109 Jul 29 02:44	14°♌32'36	-1.3m
asc. node	10104 Oct 04 21:30	28°♌20'04		min. Earth dist.		10109 Jul 30 18:55	13°♌53'05	0.67867 AU

direct	10109 Sep 08 14:32	4°≈34'55		conjunction	10114 Dec 21 17:29	5°≈52'37	0°19'45
	10109 Nov 26 07:34	0°✕		minimum elong	10114 Dec 21 18:08	5°≈53'40	0°20'11
	10110 Jan 16 12:57	0°Υ		max. Earth dist.	10114 Dec 30 21:10	11°≈44'19	2.66449 AU
	10110 Mar 01 22:40	0°♄		desc. node	10115 Jan 28 10:01	29°≈53'23	
	10110 Apr 11 19:21	0°♂			10115 Jan 28 14:12	0°≈	
	10110 May 20 15:12	0°♄		morning rise	10115 Feb 04 13:09	4°≈24'06	
asc. node	10110 May 27 11:59	5°≈24'02			10115 Mar 17 04:01	0°✕	
	10110 Jun 27 13:51	0°♂			10115 May 04 01:19	0°Υ	
evening set	10110 Jul 07 17:52	8°♂03'13			10115 Jun 21 11:44	0°♄	
	10110 Aug 04 15:25	0°♍			10115 Aug 10 17:05	0°♂	
	10110 Sep 12 17:00	0°♁			10115 Oct 08 09:10	0°♄	
				retrograde	10115 Nov 21 04:09	10°≈10'37	
conjunction	10110 Sep 15 17:53	2°♁17'02	1°01'49	opposition	10115 Dec 21 04:58	5°≈08'23	-2°04'05
minimum elong	10110 Sep 15 15:47	2°♁13'05	1°01'47	greatest brilliancy	10115 Dec 21 16:06	5°≈00'45	-3.0m
	10110 Oct 23 11:34	0°♌		min. Earth dist.	10115 Dec 25 13:45	3°≈56'46	0.37748 AU
max. Earth dist.	10110 Nov 02 07:26	7°♌00'35	2.46953 AU		10116 Jan 13 21:59	30°♌♂	
morning rise	10110 Nov 16 11:20	16°♌57'31		asc. node	10116 Jan 17 19:51	29°♂42'33	
	10110 Dec 05 10:23	0°♂		direct	10116 Jan 21 06:04	29°♂37'40	
	10111 Jan 19 20:57	0°≈			10116 Jan 28 15:12	0°♄	
	10111 Mar 09 07:08	0°≈			10116 Apr 08 10:12	0°♂	
desc. node	10111 Apr 25 22:33	26°≈54'22			10116 May 24 15:15	0°♍	
	10111 May 01 21:23	0°✕			10116 Jul 08 02:02	0°♁	
retrograde	10111 Jul 26 08:09	28°✕01'06			10116 Aug 22 01:20	0°♌	
opposition	10111 Sep 02 18:52	19°✕22'59	-4°04'35		10116 Oct 07 02:51	0°♂	
greatest brilliancy	10111 Sep 03 12:31	19°✕06'04	-1.5m		10116 Nov 23 03:08	0°≈	
min. Earth dist.	10111 Sep 08 07:47	17°✕15'47	0.62213 AU	evening set	10116 Dec 11 20:11	11°≈50'53	
direct	10111 Oct 14 00:19	9°✕26'14		desc. node	10116 Dec 15 07:17	14°≈02'15	
	10111 Dec 19 01:00	0°Υ			10117 Jan 09 12:49	0°≈	
	10112 Feb 06 17:37	0°♄		max. Earth dist.	10117 Jan 21 10:27	7°≈32'34	2.68176 AU
	10112 Mar 20 02:02	0°♂					
asc. node	10112 Apr 13 13:56	18°♂29'35		conjunction	10117 Jan 25 14:12	10°≈10'53	-0°21'27
	10112 Apr 28 11:29	0°♄		minimum elong	10117 Jan 25 13:35	10°≈09'54	0°21'04
	10112 Jun 05 18:47	0°♂			10117 Feb 25 16:06	0°✕	
	10112 Jul 14 06:00	0°♍		morning rise	10117 Mar 10 00:05	7°✕55'20	
	10112 Aug 22 19:47	0°♁			10117 Apr 13 00:33	0°Υ	
evening set	10112 Sep 14 22:23	16°♁56'58			10117 May 28 07:32	0°♄	
	10112 Oct 03 03:44	0°♌			10117 Jul 11 12:10	0°♂	
					10117 Aug 23 18:29	0°♄	
conjunction	10112 Nov 10 04:51	26°♌23'14	0°56'23		10117 Oct 05 19:00	0°♂	
minimum elong	10112 Nov 10 06:18	26°♌25'43	0°56'43		10117 Nov 19 20:27	0°♍	
	10112 Nov 15 12:51	0°♂		asc. node	10117 Dec 04 20:02	8°♍59'43	
max. Earth dist.	10112 Dec 06 00:42	13°♂42'00	2.59231 AU		10118 Jan 27 01:02	0°♁	
morning rise	10112 Dec 30 03:47	29°♂29'54		retrograde	10118 Feb 05 00:39	0°♁35'13	
	10112 Dec 30 22:23	0°≈			10118 Feb 13 21:22	30°♌♍	
desc. node	10113 Feb 16 03:14	0°≈		min. Earth dist.	10118 Mar 03 01:11	26°♍00'52	0.41287 AU
	10113 Mar 12 16:24	15°≈10'28		greatest brilliancy	10118 Mar 09 07:22	24°♍02'01	-2.7m
	10113 Apr 06 04:19	0°✕		opposition	10118 Mar 10 20:59	23°♍31'52	5°32'07
	10113 May 28 05:33	0°Υ		direct	10118 Apr 10 20:33	17°♍41'30	
	10113 Jul 29 21:27	0°♄			10118 May 29 09:42	0°♁	
retrograde	10113 Sep 11 03:51	9°♄11'24			10118 Jul 26 07:23	0°♌	
opposition	10113 Oct 16 03:45	2°♄02'06	-5°29'59		10118 Sep 15 06:55	0°♂	
greatest brilliancy	10113 Oct 17 20:32	1°♄26'11	-2.1m	desc. node	10118 Nov 02 08:20	29°♂08'42	
	10113 Oct 21 22:14	30°♌Υ			10118 Nov 03 17:51	0°≈	
min. Earth dist.	10113 Oct 24 18:36	29°Υ00'48	0.50439 AU		10118 Dec 22 06:25	0°≈	
direct	10113 Nov 23 12:29	23°Υ15'54		evening set	10119 Jan 16 15:04	15°≈58'02	
	10113 Dec 26 12:07	0°♄			10119 Feb 07 14:01	0°✕	
	10114 Feb 19 22:15	0°♂		max. Earth dist.	10119 Feb 13 04:46	3°✕37'27	2.64385 AU
asc. node	10114 Mar 01 18:18	6°♂35'25					
	10114 Apr 03 14:16	0°♄		conjunction	10119 Mar 02 05:07	14°✕42'09	-0°55'08
	10114 May 13 13:16	0°♂		minimum elong	10119 Mar 02 04:02	14°✕40'21	0°54'58
	10114 Jun 22 06:39	0°♍			10119 Mar 25 07:39	0°Υ	
	10114 Aug 02 00:13	0°♁		morning rise	10119 Apr 16 13:11	15°Υ01'13	
	10114 Sep 13 10:07	0°♌			10119 May 08 06:28	0°♄	
	10114 Oct 27 16:38	0°♂			10119 Jun 19 11:30	0°♂	
evening set	10114 Nov 03 16:18	4°♂37'42			10119 Jul 30 04:30	0°♄	
	10114 Dec 12 14:11	0°≈			10119 Sep 07 21:23	0°♂	
					10119 Oct 17 10:07	0°♍	

asc. node	10119 Oct 22 17:32	3°♎59'27			10125 Jan 24 22:00	0°♑		
	10119 Nov 27 04:36	0°♊			10125 Mar 09 17:41	0°♉		
	10120 Jan 11 07:26	0°♋			10125 Apr 19 11:13	0°♈		
retrograde	10120 Mar 26 07:33	28°♋00'19			10125 May 28 06:48	0°♊		
min. Earth dist.	10120 Apr 26 23:09	21°♋12'15	0.54863 AU	evening set	10125 Jun 07 18:22	8°♊15'11		
greatest brilliancy	10120 May 02 23:26	18°♋53'59	-1.9m	asc. node	10125 Jun 13 04:42	12°♊32'38		
opposition	10120 May 04 02:55	18°♋27'36	4°41'35		10125 Jul 05 05:06	0°♋		
direct	10120 Jun 09 00:43	10°♋27'58			10125 Aug 12 05:05	0°♌		
	10120 Aug 15 08:13	0°♍						
desc. node	10120 Sep 19 11:26	17°♍45'36		conjunction	10125 Aug 18 05:32	4°♌42'03	0°43'49	
	10120 Oct 11 16:51	0°♎		minimum elong	10125 Aug 18 01:52	4°♌34'54	0°43'33	
	10120 Dec 01 23:06	0°♏			10125 Sep 20 03:40	0°♐		
	10121 Jan 19 05:06	0°♑		max. Earth dist.	10125 Oct 11 02:14	15°♐38'51	2.41304 AU	
evening set	10121 Feb 21 20:51	21°♑55'59		morning rise	10125 Oct 25 10:47	26°♐09'04		
	10121 Mar 05 22:04	0°♑			10125 Oct 30 18:40	0°♒		
max. Earth dist.	10121 Mar 11 06:45	3°♑37'43	2.55358 AU		10125 Dec 12 15:52	0°♓		
					10126 Jan 27 07:24	0°♑		
conjunction	10121 Apr 10 20:11	24°♑45'42	-1°08'09		10126 Mar 17 18:21	0°♒		
minimum elong	10121 Apr 10 20:22	24°♑46'03	1°08'19	desc. node	10126 May 12 14:22	28°♒54'44		
	10121 Apr 18 05:52	0°♉			10126 May 15 02:15	0°♑		
	10121 May 29 11:35	0°♈		retrograde	10126 Jul 11 00:26	14°♑33'09		
morning rise	10121 Jun 02 17:27	3°♈09'50		opposition	10126 Aug 19 07:35	5°♑32'08	-3°13'00	
	10121 Jul 08 02:16	0°♊		greatest brilliancy	10126 Aug 19 17:20	5°♑22'40	-1.4m	
	10121 Aug 15 17:21	0°♋		min. Earth dist.	10126 Aug 23 09:21	3°♑57'16	0.65200 AU	
asc. node	10121 Sep 08 11:33	18°♋34'09			10126 Sep 03 07:37	30°♒		
	10121 Sep 23 03:59	0°♌		direct	10126 Sep 29 21:36	25°♒29'33		
	10121 Nov 01 09:14	0°♍			10126 Oct 28 10:18	0°♑		
	10121 Dec 12 14:58	0°♋			10126 Dec 31 14:00	0°♑		
	10122 Jan 27 00:01	0°♌			10127 Feb 16 03:05	0°♉		
	10122 Mar 26 06:26	0°♍			10127 Mar 29 15:36	0°♈		
retrograde	10122 May 03 06:03	7°♍58'30		asc. node	10127 May 01 05:03	24°♈55'14		
	10122 Jun 07 15:13	30°♌			10127 May 07 17:19	0°♊		
min. Earth dist.	10122 Jun 09 04:40	29°♌23'05	0.64710 AU		10127 Jun 14 19:36	0°♋		
opposition	10122 Jun 12 17:22	27°♌58'59	1°58'28		10127 Jul 23 01:38	0°♌		
greatest brilliancy	10122 Jun 12 11:46	28°♌04'32	-1.4m	evening set	10127 Aug 22 04:42	23°♌05'31		
direct	10122 Jul 22 01:40	18°♌46'06			10127 Aug 31 09:09	0°♍		
desc. node	10122 Aug 07 15:05	20°♌19'02			10127 Oct 11 10:11	0°♋		
	10122 Sep 09 04:46	0°♎						
	10122 Nov 09 19:25	0°♏		conjunction	10127 Oct 22 16:51	7°♋59'23	1°04'44	
	10122 Dec 30 16:55	0°♑		minimum elong	10127 Oct 22 17:44	8°♋00'57	1°04'59	
	10123 Feb 15 02:46	0°♑			10127 Nov 23 13:32	0°♓		
	10123 Mar 30 07:48	0°♉		max. Earth dist.	10127 Nov 25 10:11	1°♓15'40	2.54951 AU	
evening set	10123 Apr 07 12:24	5°♉54'08		morning rise	10127 Dec 15 05:41	14°♓31'35		
max. Earth dist.	10123 Apr 22 17:22	17°♉02'07	2.42295 AU		10128 Jan 07 21:04	0°♑		
	10123 May 10 01:58	0°♈			10128 Feb 24 08:50	0°♒		
				desc. node	10128 Mar 29 08:01	20°♒32'06		
conjunction	10123 Jun 04 10:26	19°♈22'19	-0°35'59		10128 Apr 14 13:00	0°♑		
minimum elong	10123 Jun 04 13:00	19°♈27'16	0°36'22		10128 Jun 09 12:17	0°♑		
	10123 Jun 18 02:45	0°♊		retrograde	10128 Aug 21 14:17	21°♑54'56		
	10123 Jul 26 05:36	0°♋		opposition	10128 Sep 27 05:08	14°♑04'33	-5°10'03	
asc. node	10123 Jul 27 06:09	0°♋48'32		greatest brilliancy	10128 Sep 28 13:50	13°♑34'24	-1.8m	
morning rise	10123 Aug 13 01:34	14°♋05'29		min. Earth dist.	10128 Oct 04 21:23	11°♑15'14	0.55657 AU	
	10123 Sep 02 07:08	0°♌		direct	10128 Nov 06 02:55	4°♑37'45		
	10123 Oct 11 04:20	0°♍			10129 Jan 17 05:02	0°♉		
	10123 Nov 20 18:20	0°♋			10129 Mar 04 04:31	0°♈		
	10124 Jan 02 23:59	0°♌		asc. node	10129 Mar 18 08:06	10°♈11'26		
	10124 Feb 19 11:15	0°♍			10129 Apr 13 20:27	0°♊		
	10124 Apr 17 15:07	0°♎			10129 May 22 20:37	0°♋		
retrograde	10124 Jun 05 10:33	11°♎36'05			10129 Jun 30 21:44	0°♌		
desc. node	10124 Jun 24 16:50	9°♎12'37			10129 Aug 10 01:08	0°♍		
opposition	10124 Jul 15 23:06	1°♎54'12	-0°44'03		10129 Sep 20 22:16	0°♋		
greatest brilliancy	10124 Jul 15 22:55	1°♎54'23	-1.3m	evening set	10129 Oct 17 03:18	18°♋05'40		
min. Earth dist.	10124 Jul 16 05:24	1°♎47'59	0.68268 AU		10129 Nov 03 18:25	0°♌		
	10124 Jul 20 19:22	30°♌						
direct	10124 Aug 26 04:38	22°♌02'53		conjunction	10129 Dec 06 15:10	21°♌42'46	0°35'21	
	10124 Oct 05 07:01	0°♎		minimum elong	10129 Dec 06 16:19	21°♌44'39	0°35'47	
	10124 Dec 07 00:25	0°♑			10129 Dec 19 09:26	0°♒		

max. Earth dist.	10129 Dec 21 20:50	1° $\text{♁}$ 35'57	2.64278 AU		10135 Jan 31 13:51	0° $\text{♁}$	
morning rise	10130 Jan 21 22:00	21° $\text{♁}$ 28'24		retrograde	10135 Mar 09 20:50	8° $\text{♁}$ 46'11	
	10130 Feb 04 09:11	0° $\text{♁}$		min. Earth dist.	10135 Apr 08 02:48	2° $\text{♁}$ 51'27	0.49637 AU
desc. node	10130 Feb 14 01:21	6° $\text{♁}$ 05'37		greatest brilliancy	10135 Apr 14 17:50	0° $\text{♁}$ 25'40	-2.2m
	10130 Mar 24 08:36	0° $\text{♁}$			10135 Apr 15 21:41	30° $\text{♁}$ 00	
	10130 May 12 08:24	0° $\text{♁}$		opposition	10135 Apr 16 07:04	29° $\text{♁}$ 51'23	5°31'03
	10130 Jul 02 10:08	0° $\text{♁}$		direct	10135 May 20 08:27	22° $\text{♁}$ 35'13	
	10130 Aug 30 04:07	0° $\text{♁}$			10135 Jun 26 18:16	0° $\text{♁}$	
retrograde	10130 Oct 20 20:40	12° $\text{♁}$ 57'43			10135 Aug 29 15:24	0° $\text{♁}$	
opposition	10130 Nov 21 17:34	7° $\text{♁}$ 08'49	-4°32'16	desc. node	10135 Oct 06 23:22	21° $\text{♁}$ 32'44	
greatest brilliancy	10130 Nov 23 04:26	6° $\text{♁}$ 41'47	-2.6m		10135 Oct 21 11:22	0° $\text{♁}$	
min. Earth dist.	10130 Nov 29 13:28	4° $\text{♁}$ 44'18	0.41897 AU		10135 Dec 10 08:29	0° $\text{♁}$	
direct	10130 Dec 26 01:42	0° $\text{♁}$ 12'52			10136 Jan 27 03:19	0° $\text{♁}$	
asc. node	10131 Feb 03 12:31	9° $\text{♁}$ 56'21		evening set	10136 Feb 07 21:06	7° $\text{♁}$ 34'47	
	10131 Mar 12 00:56	0° $\text{♁}$		max. Earth dist.	10136 Feb 28 20:45	21° $\text{♁}$ 21'10	2.59489 AU
	10131 Apr 25 10:31	0° $\text{♁}$			10136 Mar 12 19:25	0° $\text{♁}$	
	10131 Jun 06 10:34	0° $\text{♁}$					
	10131 Jul 18 18:24	0° $\text{♁}$		conjunction	10136 Mar 24 23:44	8° $\text{♁}$ 14'59	-1°06'47
	10131 Aug 31 09:30	0° $\text{♁}$		minimum elong	10136 Mar 24 23:08	8° $\text{♁}$ 13'58	1°06'49
	10131 Oct 15 13:52	0° $\text{♁}$			10136 Apr 25 08:10	0° $\text{♁}$	
evening set	10131 Nov 28 08:29	28° $\text{♁}$ 16'39		morning rise	10136 May 12 23:00	12° $\text{♁}$ 33'19	
	10131 Dec 01 01:09	0° $\text{♁}$			10136 Jun 05 21:41	0° $\text{♁}$	
desc. node	10132 Jan 01 20:52	20° $\text{♁}$ 15'31			10136 Jul 15 20:56	0° $\text{♁}$	
					10136 Aug 23 19:41	0° $\text{♁}$	
conjunction	10132 Jan 12 23:10	27° $\text{♁}$ 18'01	-0°05'54	asc. node	10136 Sep 25 06:12	25° $\text{♁}$ 09'01	
minimum elong	10132 Jan 12 23:00	27° $\text{♁}$ 17'46	0°05'29		10136 Oct 01 13:03	0° $\text{♁}$	
behind sun begin	10132 Jan 12 05:25	26° $\text{♁}$ 49'52			10136 Nov 10 02:20	0° $\text{♁}$	
behind sun end	10132 Jan 13 16:36	27° $\text{♁}$ 45'39			10136 Dec 22 01:13	0° $\text{♁}$	
max. Earth dist.	10132 Jan 13 17:28	27° $\text{♁}$ 47'01	2.68162 AU		10137 Feb 07 23:25	0° $\text{♁}$	
	10132 Jan 17 05:19	0° $\text{♁}$		retrograde	10137 Apr 19 06:53	23° $\text{♁}$ 47'12	
morning rise	10132 Feb 25 13:10	24° $\text{♁}$ 58'03		min. Earth dist.	10137 May 24 08:22	15° $\text{♁}$ 48'34	0.61574 AU
	10132 Mar 04 10:50	0° $\text{♁}$		opposition	10137 May 29 08:22	13° $\text{♁}$ 50'07	3°03'27
	10132 Apr 20 06:08	0° $\text{♁}$		greatest brilliancy	10137 May 28 19:57	14° $\text{♁}$ 02'24	-1.6m
	10132 Jun 05 10:39	0° $\text{♁}$		direct	10137 Jul 06 13:14	5° $\text{♁}$ 00'29	
	10132 Jul 21 02:29	0° $\text{♁}$		desc. node	10137 Aug 24 03:49	16° $\text{♁}$ 07'33	
	10132 Sep 04 17:00	0° $\text{♁}$			10137 Sep 24 05:28	0° $\text{♁}$	
	10132 Oct 22 05:08	0° $\text{♁}$			10137 Nov 18 15:59	0° $\text{♁}$	
asc. node	10132 Dec 21 13:36	28° $\text{♁}$ 01'09			10138 Jan 07 05:05	0° $\text{♁}$	
	10133 Jan 01 23:37	0° $\text{♁}$			10138 Feb 22 06:06	0° $\text{♁}$	
retrograde	10133 Jan 09 07:08	0° $\text{♁}$ 22'00		evening set	10138 Mar 19 17:11	17° $\text{♁}$ 27'31	
	10133 Jan 16 14:38	30° $\text{♁}$ 00		max. Earth dist.	10138 Apr 02 13:12	27° $\text{♁}$ 12'15	2.47693 AU
min. Earth dist.	10133 Feb 04 18:36	26° $\text{♁}$ 03'49	0.37418 AU		10138 Apr 06 11:18	0° $\text{♁}$	
opposition	10133 Feb 09 08:59	24° $\text{♁}$ 47'01	3°38'13				
greatest brilliancy	10133 Feb 08 15:58	24° $\text{♁}$ 58'53	-3.0m	conjunction	10138 May 11 15:28	25° $\text{♁}$ 42'06	-0°55'59
direct	10133 Mar 10 16:06	19° $\text{♁}$ 46'34		minimum elong	10138 May 11 17:31	25° $\text{♁}$ 45'54	0°56'20
	10133 Apr 22 09:35	0° $\text{♁}$			10138 May 17 09:20	0° $\text{♁}$	
	10133 Jun 18 07:32	0° $\text{♁}$			10138 Jun 25 14:56	0° $\text{♁}$	
	10133 Aug 06 14:46	0° $\text{♁}$		morning rise	10138 Jul 13 01:17	13° $\text{♁}$ 36'19	
	10133 Sep 23 21:51	0° $\text{♁}$			10138 Aug 02 21:42	0° $\text{♁}$	
	10133 Nov 11 03:26	0° $\text{♁}$		asc. node	10138 Aug 13 00:46	7° $\text{♁}$ 58'46	
desc. node	10133 Nov 18 20:12	4° $\text{♁}$ 47'44		greatest brilliancy	10138 Aug 17 13:31	11° $\text{♁}$ 32'54	1.2m
	10133 Dec 29 02:50	0° $\text{♁}$			10138 Sep 10 01:37	0° $\text{♁}$	
evening set	10134 Jan 02 19:30	2° $\text{♁}$ 57'22			10138 Oct 19 00:08	0° $\text{♁}$	
max. Earth dist.	10134 Feb 04 05:29	23° $\text{♁}$ 32'01	2.66508 AU		10138 Nov 28 16:33	0° $\text{♁}$	
	10134 Feb 14 07:19	0° $\text{♁}$			10139 Jan 11 08:37	0° $\text{♁}$	
					10139 Mar 01 15:00	0° $\text{♁}$	
conjunction	10134 Feb 16 02:45	1° $\text{♁}$ 09'55	-0°43'42	retrograde	10139 May 24 05:29	29° $\text{♁}$ 02'50	
minimum elong	10134 Feb 16 01:41	1° $\text{♁}$ 08'13	0°43'26	opposition	10139 Jul 03 21:32	19° $\text{♁}$ 10'54	0°17'32
morning rise	10134 Apr 01 05:32	0° $\text{♁}$ 00'35		min. Earth dist.	10139 Jul 02 16:16	19° $\text{♁}$ 39'57	0.67662 AU
	10134 Apr 01 05:10	0° $\text{♁}$		greatest brilliancy	10139 Jul 03 21:21	19° $\text{♁}$ 11'04	-1.3m
	10134 May 15 14:10	0° $\text{♁}$		desc. node	10139 Jul 12 06:20	15° $\text{♁}$ 56'27	
	10134 Jun 27 09:43	0° $\text{♁}$		direct	10139 Aug 13 13:38	9° $\text{♁}$ 31'21	
	10134 Aug 07 19:59	0° $\text{♁}$			10139 Oct 22 19:46	0° $\text{♁}$	
	10134 Sep 17 08:02	0° $\text{♁}$			10139 Dec 17 04:30	0° $\text{♁}$	
	10134 Oct 27 21:08	0° $\text{♁}$			10140 Feb 02 18:30	0° $\text{♁}$	
asc. node	10134 Nov 08 10:30	8° $\text{♁}$ 22'37			10140 Mar 17 06:02	0° $\text{♁}$	
	10134 Dec 09 13:29	0° $\text{♁}$			10140 Apr 26 22:40	0° $\text{♁}$	

evening set	10140 May 11 15:51	11° $\Pi$ 13'56		minimum elong	10144 Nov 20 08:01	6° $\mathcal{Z}$ 23'57	0°49'50
	10140 Jun 04 19:32	0° $\mathfrak{D}$		max. Earth dist.	10144 Dec 12 03:54	20° $\mathcal{Z}$ 50'19	2.61246 AU
asc. node	10140 Jun 29 20:30	19° $\mathfrak{D}$ 44'56			10144 Dec 26 05:19	0° $\mathfrak{Z}$	
	10140 Jul 12 18:48	0° $\Omega$		morning rise	10145 Jan 07 16:47	8° $\mathfrak{Z}$ 02'47	
					10145 Feb 11 07:00	0° $\approx$	
conjunction	10140 Jul 18 07:50	4° $\Omega$ 23'41	0°13'23	desc. node	10145 Mar 02 16:38	12° $\approx$ 06'02	
minimum elong	10140 Jul 18 06:22	4° $\Omega$ 20'47	0°12'59		10145 Mar 31 20:27	0° $\mathcal{H}$	
behind sun begin	10140 Jul 17 11:49	3° $\Omega$ 44'02			10145 May 21 11:40	0° $\Upsilon$	
behind sun end	10140 Jul 19 00:55	4° $\Omega$ 57'33			10145 Jul 16 15:06	0° $\mathcal{B}$	
max. Earth dist.	10140 Aug 12 04:16	24° $\Omega$ 02'16	2.36632 AU	retrograde	10145 Sep 24 08:14	20° $\mathcal{B}$ 40'04	
	10140 Aug 19 18:33	0° $\mathfrak{M}$		opposition	10145 Oct 28 05:33	13° $\mathcal{B}$ 57'44	-5°25'48
	10140 Sep 27 15:33	0° $\mathfrak{L}$		greatest brilliancy	10145 Oct 30 00:06	13° $\mathcal{B}$ 21'35	-2.3m
morning rise	10140 Sep 29 09:38	1° $\mathfrak{L}$ 19'39		min. Earth dist.	10145 Nov 05 23:51	10° $\mathcal{B}$ 59'55	0.47343 AU
	10140 Nov 07 04:31	0° $\mathfrak{M}$		direct	10145 Dec 04 09:51	5° $\mathcal{B}$ 43'59	
	10140 Dec 20 02:04	0° $\mathcal{Z}$			10146 Feb 10 01:23	0° $\Pi$	
	10141 Feb 04 03:04	0° $\mathfrak{Z}$		asc. node	10146 Feb 20 03:15	6° $\Pi$ 11'15	
	10141 Mar 27 07:25	0° $\approx$			10146 Mar 27 06:20	0° $\mathfrak{D}$	
desc. node	10141 May 29 05:19	27° $\approx$ 23'39			10146 May 07 04:04	0° $\Omega$	
	10141 Jun 09 08:13	0° $\mathcal{H}$			10146 Jun 16 10:49	0° $\mathfrak{M}$	
retrograde	10141 Jun 26 16:20	1° $\mathcal{H}$ 42'11			10146 Jul 27 14:31	0° $\mathfrak{L}$	
	10141 Jul 13 02:08	30° $\mathcal{R}$			10146 Sep 08 08:14	0° $\mathfrak{M}$	
opposition	10141 Aug 05 15:04	22° $\approx$ 22'19	-2°17'23		10146 Oct 22 20:46	0° $\mathcal{Z}$	
greatest brilliancy	10141 Aug 05 19:01	22° $\approx$ 18'27	-1.3m	evening set	10146 Nov 12 22:54	13° $\mathcal{Z}$ 50'44	
min. Earth dist.	10141 Aug 08 04:59	21° $\approx$ 21'39	0.67216 AU		10146 Dec 07 21:48	0° $\mathfrak{Z}$	
direct	10141 Sep 16 06:53	12° $\approx$ 20'17					
	10141 Nov 17 21:10	0° $\mathcal{H}$		conjunction	10146 Dec 29 23:20	14° $\mathfrak{Z}$ 07'48	0°10'19
	10142 Jan 10 16:11	0° $\Upsilon$		minimum elong	10146 Dec 29 23:41	14° $\mathfrak{Z}$ 08'21	0°10'46
	10142 Feb 24 16:54	0° $\mathcal{B}$		behind sun begin	10146 Dec 29 09:32	13° $\mathfrak{Z}$ 45'48	
	10142 Apr 06 18:35	0° $\Pi$		behind sun end	10146 Dec 30 13:50	14° $\mathfrak{Z}$ 30'54	
	10142 May 15 16:10	0° $\mathfrak{D}$		max. Earth dist.	10147 Jan 05 01:31	18° $\mathfrak{Z}$ 00'41	2.67281 AU
asc. node	10142 May 17 21:18	1° $\mathfrak{D}$ 44'18		desc. node	10147 Jan 18 11:19	26° $\mathfrak{Z}$ 32'04	
greatest brilliancy	10142 Jun 09 10:31	19° $\mathfrak{D}$ 32'13	1.2m		10147 Jan 23 22:22	0° $\approx$	
	10142 Jun 22 15:26	0° $\Omega$		morning rise	10147 Feb 12 05:20	12° $\approx$ 12'58	
evening set	10142 Jul 24 19:21	25° $\Omega$ 21'54			10147 Mar 12 08:20	0° $\mathcal{H}$	
	10142 Jul 30 17:43	0° $\mathfrak{M}$			10147 Apr 28 18:42	0° $\Upsilon$	
	10142 Sep 07 20:24	0° $\mathfrak{L}$			10147 Jun 15 05:49	0° $\mathcal{B}$	
					10147 Aug 02 06:44	0° $\Pi$	
conjunction	10142 Sep 30 04:39	16° $\mathfrak{L}$ 36'07	1°05'56		10147 Sep 22 00:45	0° $\mathfrak{D}$	
minimum elong	10142 Sep 30 03:54	16° $\mathfrak{L}$ 34'45	1°06'01	retrograde	10147 Dec 09 18:22	27° $\mathfrak{D}$ 59'05	
	10142 Oct 18 16:01	0° $\mathfrak{M}$		opposition	10148 Jan 08 11:13	23° $\mathfrak{D}$ 04'58	0°01'09
max. Earth dist.	10142 Nov 11 17:12	16° $\mathfrak{M}$ 59'15	2.49976 AU	asc. node	10148 Jan 08 05:20	23° $\mathfrak{D}$ 08'53	
morning rise	10142 Nov 27 14:32	27° $\mathfrak{M}$ 56'10		greatest brilliancy	10148 Jan 08 11:17	23° $\mathfrak{D}$ 04'55	-3.1m
	10142 Nov 30 15:15	0° $\mathcal{Z}$		min. Earth dist.	10148 Jan 09 17:25	22° $\mathfrak{D}$ 44'53	0.36614 AU
	10143 Jan 14 23:04	0° $\mathfrak{Z}$		direct	10148 Feb 07 07:06	18° $\mathfrak{D}$ 04'40	
	10143 Mar 03 22:19	0° $\approx$			10148 Mar 23 12:28	0° $\Omega$	
desc. node	10143 Apr 16 00:08	25° $\approx$ 07'26			10148 May 15 15:35	0° $\mathfrak{M}$	
	10143 Apr 24 20:54	0° $\mathcal{H}$			10148 Jul 01 05:11	0° $\mathfrak{L}$	
	10143 Jun 29 09:13	0° $\Upsilon$			10148 Aug 16 06:04	0° $\mathfrak{M}$	
retrograde	10143 Aug 04 15:55	6° $\Upsilon$ 37'21			10148 Oct 01 22:35	0° $\mathcal{Z}$	
	10143 Sep 06 19:54	30° $\mathcal{R}$			10148 Nov 18 07:25	0° $\mathfrak{Z}$	
opposition	10143 Sep 11 13:25	28° $\mathcal{H}$ 14'22	-4°31'28	desc. node	10148 Dec 05 09:55	10° $\mathfrak{Z}$ 46'47	
greatest brilliancy	10143 Sep 12 12:17	27° $\mathcal{H}$ 52'41	-1.6m	evening set	10148 Dec 19 21:54	19° $\mathfrak{Z}$ 55'05	
min. Earth dist.	10143 Sep 17 21:42	25° $\mathcal{H}$ 50'18	0.60148 AU		10149 Jan 04 21:10	0° $\approx$	
direct	10143 Oct 22 10:47	18° $\mathcal{H}$ 24'49		max. Earth dist.	10149 Jan 26 11:37	13° $\approx$ 41'22	2.67806 AU
	10143 Dec 08 03:31	0° $\Upsilon$					
	10144 Jan 31 00:58	0° $\mathcal{B}$		conjunction	10149 Feb 02 09:15	18° $\approx$ 04'58	-0°30'07
	10144 Mar 14 06:58	0° $\Pi$		minimum elong	10149 Feb 02 08:26	18° $\approx$ 03'40	0°29'47
asc. node	10144 Apr 04 00:25	15° $\Pi$ 26'47			10149 Feb 21 00:30	0° $\mathcal{H}$	
	10144 Apr 23 00:57	0° $\mathfrak{D}$		morning rise	10149 Mar 17 21:54	16° $\mathcal{H}$ 04'42	
	10144 May 31 12:48	0° $\Omega$			10149 Apr 08 04:44	0° $\Upsilon$	
	10144 Jul 09 03:33	0° $\mathfrak{M}$			10149 May 23 03:16	0° $\mathcal{B}$	
	10144 Aug 17 20:41	0° $\mathfrak{L}$			10149 Jul 05 18:33	0° $\Pi$	
evening set	10144 Sep 27 08:42	29° $\mathfrak{L}$ 19'29			10149 Aug 17 06:09	0° $\mathfrak{D}$	
	10144 Sep 28 07:38	0° $\mathfrak{M}$			10149 Sep 28 02:07	0° $\Omega$	
	10144 Nov 10 19:14	0° $\mathcal{Z}$			10149 Nov 09 16:52	0° $\mathfrak{M}$	
				asc. node	10149 Nov 25 05:03	10° $\mathfrak{M}$ 21'23	
conjunction	10144 Nov 20 06:33	6° $\mathcal{Z}$ 21'30	0°49'26		10149 Dec 28 02:30	0° $\mathfrak{L}$	

retrograde	10150 Feb 17 19:50	15° $\Omega$ 54'19		evening set	10155 Apr 19 05:18	17° $\mathcal{B}$ 56'46	
min. Earth dist.	10150 Mar 16 19:08	10° $\Omega$ 54'26	0.44122 AU		10155 May 05 08:04	0° $\Pi$	
greatest brilliancy	10150 Mar 23 10:56	8° $\Omega$ 39'16	-2.5m	max. Earth dist.	10155 May 09 16:36	3° $\Pi$ 17'46	2.39453 AU
opposition	10150 Mar 25 04:17	8° $\Omega$ 03'58	5°49'48		10155 Jun 13 07:48	0° $\mathcal{E}$	
direct	10150 Apr 26 04:51	1° $\Omega$ 41'30					
	10150 Jul 17 14:29	0° $\mathcal{M}$		conjunction	10155 Jun 19 12:08	4° $\mathcal{E}$ 50'25	-0°20'04
	10150 Sep 09 03:11	0° $\mathcal{A}$		minimum elong	10155 Jun 19 14:01	4° $\mathcal{E}$ 54'06	0°20'29
desc. node	10150 Oct 23 11:24	26° $\mathcal{A}$ 20'38		asc. node	10155 Jul 17 15:09	27° $\mathcal{E}$ 01'35	
	10150 Oct 29 12:47	0° $\mathcal{Z}$			10155 Jul 21 09:16	0° $\Omega$	
	10150 Dec 17 11:29	0° $\approx$			10155 Aug 28 09:35	0° $\mathcal{M}$	
evening set	10151 Jan 24 14:18	24° $\approx$ 00'15		morning rise	10155 Aug 31 01:00	2° $\mathcal{M}$ 04'08	
	10151 Feb 02 22:52	0° $\mathcal{H}$			10155 Oct 06 05:45	0° $\mathcal{E}$	
max. Earth dist.	10151 Feb 18 16:03	10° $\mathcal{H}$ 10'42	2.62844 AU		10155 Nov 15 17:48	0° $\mathcal{M}$	
					10155 Dec 28 18:05	0° $\mathcal{A}$	
conjunction	10151 Mar 10 13:37	23° $\mathcal{H}$ 15'59	-1°00'31		10156 Feb 13 11:37	0° $\mathcal{Z}$	
minimum elong	10151 Mar 10 12:37	23° $\mathcal{H}$ 14'20	1°00'25		10156 Apr 07 20:34	0° $\approx$	
	10151 Mar 20 15:54	0° $\mathcal{Y}$		retrograde	10156 Jun 13 01:34	19° $\approx$ 13'26	
morning rise	10151 Apr 25 22:30	24° $\mathcal{Y}$ 45'00		desc. node	10156 Jun 14 19:01	19° $\approx$ 12'19	
	10151 May 03 11:10	0° $\mathcal{B}$		opposition	10156 Jul 23 10:46	9° $\approx$ 38'29	-1°19'17
	10151 Jun 14 10:21	0° $\Pi$		greatest brilliancy	10156 Jul 23 11:21	9° $\approx$ 37'55	-1.3m
	10151 Jul 24 20:36	0° $\mathcal{E}$		min. Earth dist.	10156 Jul 24 13:05	9° $\approx$ 12'32	0.68180 AU
	10151 Sep 02 06:06	0° $\Omega$			10156 Aug 26 23:05	30° $\mathcal{R}$ $\mathcal{Z}$	
	10151 Oct 11 10:12	0° $\mathcal{M}$		direct	10156 Sep 02 21:39	29° $\mathcal{Z}$ 42'03	
asc. node	10151 Oct 12 23:51	1° $\mathcal{M}$ 11'35			10156 Sep 09 24:00	0° $\approx$	
	10151 Nov 20 14:25	0° $\mathcal{E}$			10156 Nov 30 06:41	0° $\mathcal{H}$	
	10152 Jan 03 00:27	0° $\mathcal{M}$			10157 Jan 19 11:41	0° $\mathcal{Y}$	
	10152 Feb 27 07:56	0° $\mathcal{A}$			10157 Mar 04 16:43	0° $\mathcal{B}$	
retrograde	10152 Apr 04 09:13	8° $\mathcal{A}$ 11'15			10157 Apr 14 13:06	0° $\Pi$	
min. Earth dist.	10152 May 07 07:32	0° $\mathcal{A}$ 56'06	0.57490 AU		10157 May 23 09:34	0° $\mathcal{E}$	
	10152 May 09 17:34	30° $\mathcal{R}$ $\mathcal{M}$		asc. node	10157 Jun 03 12:59	8° $\mathcal{E}$ 46'23	
opposition	10152 May 13 17:41	28° $\mathcal{M}$ 26'17	4°07'22	evening set	10157 Jun 24 09:31	25° $\mathcal{E}$ 17'08	
greatest brilliancy	10152 May 12 20:06	28° $\mathcal{M}$ 47'18	-1.8m		10157 Jun 30 08:07	0° $\Omega$	
direct	10152 Jun 19 13:09	20° $\mathcal{M}$ 06'36			10157 Aug 07 08:30	0° $\mathcal{M}$	
	10152 Aug 03 13:12	0° $\mathcal{A}$					
desc. node	10152 Sep 09 15:17	16° $\mathcal{A}$ 34'39		conjunction	10157 Sep 03 16:56	21° $\mathcal{M}$ 10'00	0°55'49
	10152 Oct 05 07:36	0° $\mathcal{Z}$		minimum elong	10157 Sep 03 13:51	21° $\mathcal{M}$ 04'06	0°55'41
	10152 Nov 26 18:11	0° $\approx$			10157 Sep 15 07:52	0° $\mathcal{E}$	
	10153 Jan 14 10:23	0° $\mathcal{H}$		max. Earth dist.	10157 Oct 24 18:17	29° $\mathcal{E}$ 07'32	2.44428 AU
	10153 Mar 01 06:23	0° $\mathcal{Y}$			10157 Oct 25 23:24	0° $\mathcal{M}$	
evening set	10153 Mar 02 19:13	1° $\mathcal{Y}$ 02'05		morning rise	10157 Nov 07 07:51	8° $\mathcal{M}$ 49'15	
max. Earth dist.	10153 Mar 18 11:14	11° $\mathcal{Y}$ 43'09	2.52791 AU		10157 Dec 07 19:46	0° $\mathcal{A}$	
	10153 Apr 13 13:45	0° $\mathcal{B}$			10158 Jan 22 06:18	0° $\mathcal{Z}$	
					10158 Mar 11 23:43	0° $\approx$	
conjunction	10153 Apr 21 04:58	5° $\mathcal{B}$ 27'38	-1°06'06	desc. node	10158 May 02 15:05	28° $\approx$ 20'27	
minimum elong	10153 Apr 21 05:47	5° $\mathcal{B}$ 29'06	1°06'20		10158 May 05 23:58	0° $\mathcal{H}$	
	10153 May 24 16:53	0° $\Pi$		retrograde	10158 Jul 19 13:45	22° $\mathcal{H}$ 38'13	
morning rise	10153 Jun 16 00:19	16° $\mathcal{\Pi}$ 49'50		opposition	10158 Aug 27 10:58	13° $\mathcal{H}$ 49'17	-3°43'34
	10153 Jul 03 04:18	0° $\mathcal{E}$		greatest brilliancy	10158 Aug 28 00:58	13° $\mathcal{H}$ 35'47	-1.4m
	10153 Aug 10 15:58	0° $\Omega$		min. Earth dist.	10158 Sep 01 08:44	11° $\mathcal{H}$ 55'51	0.63679 AU
asc. node	10153 Aug 29 18:55	15° $\Omega$ 00'01		direct	10158 Oct 07 21:50	3° $\mathcal{H}$ 48'50	
	10153 Sep 17 23:20	0° $\mathcal{M}$			10158 Dec 24 01:14	0° $\mathcal{Y}$	
	10153 Oct 27 00:54	0° $\mathcal{E}$			10159 Feb 10 06:10	0° $\mathcal{B}$	
	10153 Dec 06 23:17	0° $\mathcal{M}$			10159 Mar 24 06:11	0° $\Pi$	
	10154 Jan 20 11:03	0° $\mathcal{A}$		asc. node	10159 Apr 21 14:24	21° $\mathcal{\Pi}$ 31'33	
	10154 Mar 14 11:56	0° $\mathcal{Z}$			10159 May 02 12:37	0° $\mathcal{E}$	
retrograde	10154 May 10 23:43	16° $\mathcal{Z}$ 08'44			10159 Jun 09 17:28	0° $\Omega$	
min. Earth dist.	10154 Jun 17 21:36	7° $\mathcal{Z}$ 14'52	0.66054 AU		10159 Jul 18 01:36	0° $\mathcal{M}$	
opposition	10154 Jun 20 14:14	6° $\mathcal{Z}$ 10'38	1°20'51		10159 Aug 26 11:32	0° $\mathcal{E}$	
greatest brilliancy	10154 Jun 20 11:23	6° $\mathcal{Z}$ 13'27	-1.4m	evening set	10159 Sep 05 14:33	7° $\mathcal{E}$ 30'56	
	10154 Jul 07 22:19	30° $\mathcal{R}$ $\mathcal{A}$			10159 Oct 06 14:59	0° $\mathcal{M}$	
desc. node	10154 Jul 28 18:58	26° $\mathcal{A}$ 47'55					
direct	10154 Jul 30 11:17	26° $\mathcal{A}$ 46'53		conjunction	10159 Nov 03 01:43	19° $\mathcal{M}$ 13'29	1°00'33
	10154 Aug 23 22:50	0° $\mathcal{Z}$		minimum elong	10159 Nov 03 03:02	19° $\mathcal{M}$ 15'46	1°00'53
	10154 Nov 03 07:13	0° $\approx$			10159 Nov 18 20:06	0° $\mathcal{A}$	
	10154 Dec 25 10:58	0° $\mathcal{H}$		max. Earth dist.	10159 Dec 02 05:26	9° $\mathcal{A}$ 00'33	2.57414 AU
	10155 Feb 10 06:09	0° $\mathcal{Y}$		morning rise	10159 Dec 24 11:40	23° $\mathcal{A}$ 43'07	
	10155 Mar 25 13:59	0° $\mathcal{B}$			10160 Jan 03 03:14	0° $\mathcal{Z}$	

	10160 Feb 19 09:35	0°≈		opposition	10165 Feb 26 14:39	12°♊02'36	4°58'31
desc. node	10160 Mar 19 09:06	17°≈46'45		direct	10165 Mar 28 18:12	6°♊37'33	
	10160 Apr 08 19:44	0°♋			10165 Jun 07 16:46	0°♊	
	10160 Jun 01 03:35	0°♌			10165 Jul 30 15:19	0°♋	
	10160 Aug 14 08:49	0°♍			10165 Sep 18 06:20	0°♌	
retrograde	10160 Sep 01 20:50	1°♍55'16			10165 Nov 06 03:07	0°♍	
	10160 Sep 19 09:07	30°♋♌		desc. node	10165 Nov 08 23:45	1°♍45'54	
opposition	10160 Oct 07 14:51	24°♌26'27	-5°24'14		10165 Dec 24 09:50	0°≈	
greatest brilliancy	10160 Oct 09 04:34	23°♌52'27	-1.9m	evening set	10166 Jan 10 16:36	10°≈52'35	
min. Earth dist.	10160 Oct 15 21:13	21°♌28'15	0.52858 AU	max. Earth dist.	10166 Feb 09 10:35	29°≈50'26	2.65444 AU
direct	10160 Nov 15 18:35	15°♌19'14			10166 Feb 09 16:32	0°♋	
	10161 Jan 06 05:46	0°♌					
	10161 Feb 24 23:48	0°♍		conjunction	10166 Feb 24 01:52	9°♋18'20	-0°50'41
asc. node	10161 Mar 08 18:41	8°♍11'47		minimum elong	10166 Feb 24 00:46	9°♋16'33	0°50'29
	10161 Apr 07 15:28	0°♎			10166 Mar 27 12:47	0°♌	
	10161 May 17 02:56	0°♏		morning rise	10166 Apr 09 18:45	8°♌52'32	
	10161 Jun 25 11:29	0°♐			10166 May 10 17:02	0°♍	
	10161 Aug 04 21:10	0°♑			10166 Jun 22 05:01	0°♍	
	10161 Sep 15 23:38	0°♒			10166 Aug 02 05:54	0°♎	
evening set	10161 Oct 27 07:52	28°♒12'43			10166 Sep 11 06:38	0°♏	
	10161 Oct 30 00:05	0°♑			10166 Oct 21 03:56	0°♐	
	10161 Dec 14 17:31	0°♑		asc. node	10166 Oct 29 19:29	6°♐25'03	
					10166 Dec 01 12:31	0°♑	
conjunction	10161 Dec 15 08:47	0°♑24'38	0°26'21		10167 Jan 17 12:20	0°♒	
minimum elong	10161 Dec 15 09:39	0°♑26'03	0°26'48	retrograde	10167 Mar 20 01:43	20°♒33'26	
max. Earth dist.	10161 Dec 27 05:55	8°♑03'28	2.65584 AU	min. Earth dist.	10167 Apr 19 15:14	14°♒08'52	0.52595 AU
morning rise	10162 Jan 29 18:32	29°♑24'56		greatest brilliancy	10167 Apr 25 23:50	11°♒45'12	-2.0m
	10162 Jan 30 16:41	0°≈		opposition	10167 Apr 27 07:48	11°♒14'59	5°05'12
desc. node	10162 Feb 04 02:36	2°≈47'29		direct	10167 Jun 01 11:12	3°♒33'24	
	10162 Mar 19 09:54	0°♋			10167 Aug 21 13:23	0°♑	
	10162 May 06 17:19	0°♌		desc. node	10167 Sep 27 02:39	19°♑29'17	
	10162 Jun 25 02:48	0°♍			10167 Oct 15 16:21	0°♑	
	10162 Aug 16 20:06	0°♍			10167 Dec 05 08:05	0°≈	
retrograde	10162 Nov 06 22:05	28°♍08'15			10168 Jan 22 10:02	0°♋	
opposition	10162 Dec 07 16:55	22°♍48'09	-3°21'01	evening set	10168 Feb 16 07:28	16°♋08'22	
greatest brilliancy	10162 Dec 08 15:35	22°♍31'46	-2.8m	max. Earth dist.	10168 Mar 06 04:27	28°♋40'37	2.57300 AU
min. Earth dist.	10162 Dec 14 00:11	20°♍59'34	0.39339 AU		10168 Mar 08 03:40	0°♌	
direct	10163 Jan 09 04:00	16°♍41'33					
asc. node	10163 Jan 24 20:47	18°♍22'29		conjunction	10168 Apr 03 08:04	17°♌53'22	-1°08'18
	10163 Feb 25 10:10	0°♎		minimum elong	10168 Apr 03 07:53	17°♌53'03	1°08'24
	10163 Apr 16 13:59	0°♏			10168 Apr 20 14:55	0°♍	
	10163 May 30 10:00	0°♐		morning rise	10168 May 24 06:49	24°♍16'41	
	10163 Jul 12 17:32	0°♑			10168 Jun 01 01:01	0°♍	
	10163 Aug 25 23:52	0°♒			10168 Jul 10 20:13	0°♎	
	10163 Oct 10 14:16	0°♑			10168 Aug 18 14:57	0°♏	
	10163 Nov 26 07:39	0°♑		asc. node	10168 Sep 15 14:05	21°♏47'10	
evening set	10163 Dec 06 16:50	6°♑36'06			10168 Sep 26 04:02	0°♐	
desc. node	10163 Dec 22 23:07	16°♑55'13			10168 Nov 04 11:31	0°♑	
	10164 Jan 12 14:32	0°≈			10168 Dec 15 21:36	0°♒	
max. Earth dist.	10164 Jan 18 17:50	3°≈53'31	2.68274 AU		10169 Jan 30 23:32	0°♑	
					10169 Apr 07 03:30	0°♑	
conjunction	10164 Jan 20 18:23	5°≈10'28	-0°15'06	retrograde	10169 Apr 27 08:55	2°♑31'21	
minimum elong	10164 Jan 20 17:56	5°≈09'46	0°14'43		10169 May 16 13:11	30°♋♌	
behind sun begin	10164 Jan 20 10:46	4°≈58'23		min. Earth dist.	10169 Jun 02 12:14	24°♑11'26	0.63422 AU
behind sun end	10164 Jan 21 01:07	5°≈21'08		opposition	10169 Jun 06 16:25	22°♑32'07	2°25'40
	10164 Feb 28 18:47	0°♋		greatest brilliancy	10169 Jun 06 08:12	22°♑40'16	-1.5m
morning rise	10164 Mar 04 04:42	2°♋49'20		direct	10169 Jul 15 12:59	13°♑28'50	
	10164 Apr 15 08:08	0°♌		desc. node	10169 Aug 14 06:38	18°♑06'49	
	10164 May 31 00:32	0°♍			10169 Sep 15 06:47	0°♑	
	10164 Jul 14 19:22	0°♍			10169 Nov 12 20:02	0°≈	
	10164 Aug 27 22:45	0°♎			10170 Jan 02 04:18	0°♋	
	10164 Oct 11 09:00	0°♏			10170 Feb 17 11:39	0°♌	
	10164 Nov 29 01:54	0°♐		evening set	10170 Mar 30 01:47	28°♌05'03	
asc. node	10164 Dec 11 21:08	6°♐31'29			10170 Apr 01 18:13	0°♍	
retrograde	10165 Jan 25 01:16	18°♐24'45		max. Earth dist.	10170 Apr 12 21:13	8°♍00'50	2.44716 AU
min. Earth dist.	10165 Feb 19 20:01	14°♐04'04	0.39282 AU		10170 May 12 15:04	0°♍	
greatest brilliancy	10165 Feb 25 08:03	12°♐25'39	-2.8m				

conjunction	10170 May 24 13:40	9°II02'13	-0°45'54		10175 Apr 18 12:33	0°X	
minimum elong	10170 May 24 16:12	9°II07'01	0°46'18		10175 Jun 16 02:20	0°Y	
	10170 Jun 20 18:39	0°S		retrograde	10175 Aug 14 13:41	15°Y36'26	
	10170 Jul 28 23:25	0°Q		opposition	10175 Sep 20 19:05	7°Y30'39	-4°55'07
morning rise	10170 Jul 30 02:26	0°Q53'19		greatest brilliancy	10175 Sep 21 23:33	7°Y04'03	-1.7m
asc. node	10170 Aug 03 07:57	4°Q13'45		min. Earth dist.	10175 Sep 27 22:04	4°Y51'11	0.57765 AU
	10170 Sep 05 01:35	0°P			10175 Oct 13 09:18	30°R X	
	10170 Oct 13 22:29	0°A		direct	10175 Oct 31 05:15	27°X51'44	
	10170 Nov 23 11:59	0°M			10175 Nov 18 16:20	0°Y	
	10171 Jan 05 19:20	0°J			10176 Jan 23 11:50	0°B	
	10171 Feb 22 18:36	0°Z			10176 Mar 08 02:50	0°II	
	10171 Apr 26 00:21	0°≈		asc. node	10176 Mar 25 08:37	12°II37'18	
retrograde	10171 May 31 18:50	6°≈45'35			10176 Apr 17 08:28	0°S	
desc. node	10171 Jul 02 09:10	0°≈28'22			10176 May 26 02:43	0°Q	
	10171 Jul 03 15:41	30°R Z			10176 Jul 03 22:15	0°P	
opposition	10171 Jul 11 09:42	26°Z58'56	-0°18'49		10176 Aug 12 19:53	0°A	
greatest brilliancy	10171 Jul 11 09:30	26°Z59'08	-1.3m		10176 Sep 23 11:08	0°M	
min. Earth dist.	10171 Jul 11 00:29	27°Z08'03	0.68121 AU	evening set	10176 Oct 08 21:17	10°M45'56	
direct	10171 Aug 21 09:49	17°Z12'19			10176 Nov 06 02:01	0°J	
	10171 Oct 13 05:47	0°≈					
	10171 Dec 11 05:53	0°X		conjunction	10176 Nov 29 18:06	15°J45'07	0°41'31
	10172 Jan 28 14:53	0°Y		minimum elong	10176 Nov 29 19:25	15°J47'18	0°41'56
	10172 Mar 12 08:40	0°B		max. Earth dist.	10176 Dec 17 20:50	27°J35'56	2.63030 AU
	10172 Apr 22 02:56	0°II			10176 Dec 21 13:39	0°Z	
evening set	10172 May 26 09:57	26°II25'00		morning rise	10177 Jan 15 21:29	16°Z16'29	
	10172 May 30 23:47	0°S			10177 Feb 06 13:12	0°≈	
asc. node	10172 Jun 20 05:47	15°S57'57		desc. node	10177 Feb 20 18:27	8°≈55'43	
	10172 Jul 07 22:38	0°Q			10177 Mar 26 17:30	0°X	
					10177 May 15 07:53	0°Y	
conjunction	10172 Aug 04 18:17	22°Q01'12	0°31'46		10177 Jul 07 01:48	0°B	
minimum elong	10172 Aug 04 15:05	21°Q54'53	0°31'25		10177 Sep 14 20:20	0°II	
	10172 Aug 14 21:57	0°P		retrograde	10177 Oct 08 15:53	3°II10'27	
	10172 Sep 22 18:51	0°A			10177 Oct 31 07:01	30°R B	
max. Earth dist.	10172 Sep 25 07:24	1°A54'34	2.38890 AU	opposition	10177 Nov 10 10:37	26°B57'00	-5°04'13
morning rise	10172 Oct 14 14:32	16°A20'09		greatest brilliancy	10177 Nov 12 02:51	26°B24'16	-2.5m
	10172 Nov 02 07:35	0°M		min. Earth dist.	10177 Nov 18 22:27	24°B12'37	0.44262 AU
	10172 Dec 15 03:02	0°J		direct	10177 Dec 16 03:11	19°B23'20	
	10173 Jan 29 20:13	0°Z			10178 Jan 26 16:28	0°II	
	10173 Mar 20 19:32	0°≈		asc. node	10178 Feb 10 13:06	7°II30'11	
desc. node	10173 May 19 07:15	29°≈10'00			10178 Mar 18 19:06	0°S	
	10173 May 21 11:46	0°X			10178 Apr 30 05:38	0°Q	
retrograde	10173 Jul 04 18:13	9°X29'22			10178 Jun 10 07:29	0°P	
opposition	10173 Aug 13 09:22	0°X19'31	-2°50'14		10178 Jul 22 00:07	0°A	
greatest brilliancy	10173 Aug 13 16:19	0°X12'44	-1.4m		10178 Sep 03 03:48	0°M	
	10173 Aug 14 05:23	30°R ≈			10178 Oct 17 23:35	0°J	
min. Earth dist.	10173 Aug 16 19:34	28°≈59'25	0.66227 AU	evening set	10178 Nov 21 20:54	22°J42'03	
direct	10173 Sep 24 01:14	20°≈16'24			10178 Dec 03 05:22	0°Z	
	10173 Nov 06 22:47	0°X					
	10174 Jan 04 08:06	0°Y		conjunction	10179 Jan 07 00:38	22°Z12'10	0°00'50
	10174 Feb 19 05:58	0°B		minimum elong	10179 Jan 07 00:39	22°Z12'12	0°01'17
	10174 Apr 01 14:40	0°II		behind sun begin	10179 Jan 06 06:06	21°Z42'45	
asc. node	10174 May 08 06:14	28°II08'36		behind sun end	10179 Jan 07 19:13	22°Z41'40	
	10174 May 10 15:14	0°S		desc. node	10179 Jan 08 13:20	23°Z10'27	
	10174 Jun 17 16:18	0°Q		max. Earth dist.	10179 Jan 10 02:36	24°Z09'38	2.67881 AU
	10174 Jul 25 20:06	0°P			10179 Jan 19 07:27	0°≈	
evening set	10174 Aug 10 03:54	11°P51'36		morning rise	10179 Feb 19 20:07	19°≈59'24	
	10174 Sep 03 00:27	0°A			10179 Mar 07 14:38	0°X	
					10179 Apr 23 16:22	0°Y	
conjunction	10174 Oct 13 07:39	29°A34'44	1°06'20		10179 Jun 09 09:25	0°B	
minimum elong	10174 Oct 13 07:59	29°A35'21	1°06'31		10179 Jul 25 22:53	0°II	
	10174 Oct 13 21:45	0°M			10179 Sep 11 05:54	0°S	
max. Earth dist.	10174 Nov 19 19:43	25°M51'03	2.52799 AU		10179 Nov 02 09:09	0°Q	
	10174 Nov 25 21:38	0°J		retrograde	10179 Dec 27 21:02	16°Q35'18	
morning rise	10174 Dec 07 20:46	8°J04'44		asc. node	10179 Dec 29 15:06	16°Q34'04	
	10175 Jan 10 03:43	0°Z		min. Earth dist.	10180 Jan 24 21:59	12°Q02'14	0.36607 AU
	10175 Feb 26 18:28	0°≈		opposition	10180 Jan 27 01:48	11°Q27'29	2°11'59
desc. node	10175 Apr 06 01:03	22°≈51'26		greatest brilliancy	10180 Jan 26 19:41	11°Q31'35	-3.1m



direct	10180 Feb 25 06:01	6°♏35'43		minimum elong	10185 May 02 11:16	17°♎04'39	1°01'44
	10180 May 04 02:17	0°♍			10185 May 19 21:56	0°♐	
	10180 Jun 23 14:01	0°♌			10185 Jun 28 06:51	0°♍	
	10180 Aug 10 03:40	0°♍		morning rise	10185 Jun 30 15:43	1°♍50'09	
	10180 Sep 26 15:02	0°♊			10185 Aug 05 16:08	0°♏	
	10180 Nov 13 10:23	0°♑		asc. node	10185 Aug 20 02:59	11°♏22'05	
desc. node	10180 Nov 25 11:49	7°♑33'20			10185 Sep 12 21:15	0°♍	
evening set	10180 Dec 27 21:21	27°♑53'55			10185 Oct 21 20:02	0°♌	
	10180 Dec 31 05:23	0°♌			10185 Dec 01 13:12	0°♍	
max. Earth dist.	10181 Jan 31 13:57	19°♌52'23	2.67202 AU		10186 Jan 14 09:50	0°♊	
					10186 Mar 05 17:15	0°♑	
conjunction	10181 Feb 10 04:50	26°♌01'21	-0°38'18	retrograde	10186 May 18 14:30	24°♑05'40	
minimum elong	10181 Feb 10 03:51	25°♌59'46	0°38'01	min. Earth dist.	10186 Jun 26 09:40	14°♑54'58	0.67064 AU
	10181 Feb 16 09:37	0°♋		opposition	10186 Jun 28 06:23	14°♑10'31	0°43'35
morning rise	10181 Mar 25 23:36	24°♋24'53		greatest brilliancy	10186 Jun 28 05:25	14°♑11'29	-1.4m
	10181 Apr 03 10:55	0°♑		desc. node	10186 Jul 18 22:12	7°♑04'16	
	10181 May 18 02:24	0°♎		direct	10186 Aug 07 14:23	4°♑37'23	
	10181 Jun 30 06:51	0°♐			10186 Oct 27 01:38	0°♌	
	10181 Aug 11 03:51	0°♍			10186 Dec 19 23:36	0°♋	
	10181 Sep 21 04:20	0°♏			10187 Feb 05 06:49	0°♑	
	10181 Nov 01 09:53	0°♍			10187 Mar 20 18:11	0°♎	
asc. node	10181 Nov 15 12:35	9°♍57'41			10187 Apr 30 12:33	0°♐	
	10181 Dec 15 14:47	0°♌		evening set	10187 May 02 00:21	1°♐07'41	
retrograde	10182 Mar 01 12:57	29°♌48'51		max. Earth dist.	10187 Jun 07 09:00	29°♐08'31	2.37075 AU
min. Earth dist.	10182 Mar 29 16:46	24°♌19'40	0.47163 AU		10187 Jun 08 11:19	0°♍	
greatest brilliancy	10182 Apr 05 11:09	21°♌55'28	-2.3m				
opposition	10182 Apr 07 03:26	21°♌19'29	5°45'10	conjunction	10187 Jul 05 22:19	21°♍37'57	-0°01'28
direct	10182 May 10 07:20	14°♌26'13		minimum elong	10187 Jul 05 22:33	21°♍38'24	0°01'55
	10182 Jul 06 12:59	0°♍		behind sun begin	10187 Jul 04 16:49	20°♍39'35	
	10182 Sep 02 11:28	0°♊		behind sun end	10187 Jul 07 04:17	22°♍37'13	
desc. node	10182 Oct 13 14:28	23°♊45'04		asc. node	10187 Jul 07 21:34	23°♍11'27	
	10182 Oct 24 03:24	0°♑			10187 Jul 16 11:52	0°♏	
	10182 Dec 12 14:39	0°♌			10187 Aug 23 11:35	0°♍	
	10183 Jan 29 06:49	0°♋		morning rise	10187 Sep 17 14:05	19°♍30'40	
evening set	10183 Feb 01 16:45	2°♋11'39			10187 Oct 01 07:21	0°♌	
max. Earth dist.	10183 Feb 24 11:05	17°♋00'35	2.61091 AU		10187 Nov 10 18:39	0°♍	
	10183 Mar 16 00:24	0°♑			10187 Dec 23 15:19	0°♊	
					10188 Feb 07 20:15	0°♑	
conjunction	10183 Mar 19 04:55	2°♑08'36	-1°04'42		10188 Mar 30 22:56	0°♌	
minimum elong	10183 Mar 19 04:07	2°♑07'15	1°04'41	desc. node	10188 Jun 04 21:35	25°♌23'27	
	10183 Apr 28 17:06	0°♎		retrograde	10188 Jun 20 18:36	26°♌50'15	
morning rise	10183 May 05 20:48	5°♎02'42		opposition	10188 Jul 30 22:58	17°♌23'18	-1°53'37
	10183 Jun 09 11:47	0°♐		greatest brilliancy	10188 Jul 31 01:09	17°♌21'09	-1.3m
	10183 Jul 19 16:22	0°♍		min. Earth dist.	10188 Aug 01 21:19	16°♌37'45	0.67776 AU
	10183 Aug 27 19:57	0°♏		direct	10188 Sep 10 13:23	7°♌23'05	
asc. node	10183 Oct 03 08:17	28°♏10'36			10188 Nov 22 16:22	0°♋	
	10183 Oct 05 17:15	0°♍			10189 Jan 13 19:46	0°♑	
	10183 Nov 14 11:02	0°♌			10189 Feb 27 13:08	0°♎	
	10183 Dec 26 19:59	0°♍			10189 Apr 09 13:32	0°♐	
	10184 Feb 14 13:47	0°♊			10189 May 18 11:06	0°♍	
retrograde	10184 Apr 13 01:22	17°♊46'57		asc. node	10189 May 24 21:43	5°♍03'44	
min. Earth dist.	10184 May 17 04:43	10°♊06'35	0.59857 AU		10189 Jun 25 10:05	0°♏	
opposition	10184 May 22 19:49	7°♊53'56	3°30'50	evening set	10189 Jul 11 13:33	12°♏47'09	
greatest brilliancy	10184 May 22 03:41	8°♊09'48	-1.7m		10189 Aug 02 10:56	0°♍	
	10184 Jun 18 20:18	30°♋♍			10189 Sep 10 11:03	0°♌	
direct	10184 Jun 29 10:19	29°♍16'40					
	10184 Jul 10 10:45	0°♊		conjunction	10189 Sep 19 04:09	6°♌32'35	1°03'14
desc. node	10184 Aug 30 19:04	16°♊13'54		minimum elong	10189 Sep 19 02:22	6°♌29'16	1°03'15
	10184 Sep 28 06:42	0°♑			10189 Oct 21 03:38	0°♍	
	10184 Nov 21 08:01	0°♌		max. Earth dist.	10189 Nov 04 15:14	10°♍19'28	2.47552 AU
	10185 Jan 09 12:48	0°♋		morning rise	10189 Nov 19 04:57	20°♍31'09	
	10185 Feb 24 12:57	0°♑			10189 Dec 02 23:59	0°♊	
evening set	10185 Mar 12 05:16	10°♑39'38			10190 Jan 17 07:15	0°♑	
max. Earth dist.	10185 Mar 26 13:52	20°♑37'18	2.50039 AU		10190 Mar 06 11:35	0°♌	
	10185 Apr 08 20:29	0°♎		desc. node	10190 Apr 22 16:53	26°♌58'55	
					10190 Apr 28 09:21	0°♋	
conjunction	10185 May 02 09:45	17°♎01'52	-1°01'26		10190 Jul 15 12:00	0°♑	

retrograde	10190 Jul 28 12:54	0° $\Upsilon$ 58'27			10195 Oct 05 12:14	0° $\mathcal{X}$		
	10190 Aug 10 01:34	30° $\mathcal{R}$ $\mathcal{H}$			10195 Nov 21 13:18	0° $\mathcal{Z}$		
opposition	10190 Sep 04 21:58	22° $\mathcal{H}$ 23'15	-4°12'03	desc. node	10195 Dec 13 01:29	13° $\mathcal{Z}$ 36'35		
greatest brilliancy	10190 Sep 05 16:50	22° $\mathcal{H}$ 05'14	-1.5m	evening set	10195 Dec 14 21:22	14° $\mathcal{Z}$ 45'56		
min. Earth dist.	10190 Sep 10 15:24	20° $\mathcal{H}$ 12'04	0.61853 AU		10196 Jan 07 23:33	0° $\approx$		
direct	10190 Oct 16 02:46	12° $\mathcal{H}$ 27'30		max. Earth dist.	10196 Jan 23 19:05	10° $\approx$ 01'18	2.68119 AU	
	10190 Dec 15 00:52	0° $\Upsilon$						
	10191 Feb 03 23:18	0° $\mathcal{B}$		conjunction	10196 Jan 28 13:32	13° $\approx$ 03'01	-0°24'04	
	10191 Mar 18 16:11	0° $\Pi$		minimum elong	10196 Jan 28 12:51	13° $\approx$ 01'56	0°23'41	
asc. node	10191 Apr 12 00:57	18° $\Pi$ 18'46			10196 Feb 24 03:19	0° $\mathcal{H}$		
	10191 Apr 27 05:09	0° $\mathcal{G}$		morning rise	10196 Mar 11 23:42	10° $\mathcal{H}$ 49'48		
	10191 Jun 04 13:41	0° $\Omega$			10196 Apr 10 11:56	0° $\Upsilon$		
	10191 Jul 13 00:41	0° $\mathcal{N}$			10196 May 25 18:27	0° $\mathcal{B}$		
	10191 Aug 21 13:16	0° $\mathcal{L}$			10196 Jul 08 21:39	0° $\Pi$		
evening set	10191 Sep 18 21:28	20° $\mathcal{L}$ 45'42			10196 Aug 21 00:59	0° $\mathcal{G}$		
	10191 Oct 01 19:28	0° $\mathcal{M}$			10196 Oct 02 19:03	0° $\Omega$		
					10196 Nov 16 02:04	0° $\mathcal{N}$		
conjunction	10191 Nov 13 16:30	29° $\mathcal{M}$ 42'53	0°54'35	asc. node	10196 Dec 02 06:41	10° $\mathcal{N}$ 03'40		
minimum elong	10191 Nov 13 17:59	29° $\mathcal{M}$ 45'24	0°54'57		10197 Jan 11 22:52	0° $\mathcal{L}$		
	10191 Nov 14 02:36	0° $\mathcal{X}$		retrograde	10197 Feb 07 23:21	4° $\mathcal{L}$ 57'19		
max. Earth dist.	10191 Dec 08 15:53	16° $\mathcal{X}$ 24'46	2.59632 AU	min. Earth dist.	10197 Mar 06 04:55	0° $\mathcal{L}$ 18'44	0.41787 AU	
	10191 Dec 29 10:06	0° $\mathcal{Z}$			10197 Mar 07 04:48	30° $\mathcal{R}$ $\mathcal{N}$		
morning rise	10192 Jan 02 07:44	2° $\mathcal{Z}$ 31'37		greatest brilliancy	10197 Mar 12 13:00	28° $\mathcal{N}$ 16'28	-2.6m	
	10192 Feb 14 12:27	0° $\approx$		opposition	10197 Mar 14 04:05	27° $\mathcal{N}$ 44'44	5°40'02	
desc. node	10192 Mar 09 09:35	14° $\approx$ 48'41		direct	10197 Apr 14 07:06	21° $\mathcal{N}$ 48'33		
	10192 Apr 03 09:02	0° $\mathcal{H}$			10197 May 22 19:47	0° $\mathcal{L}$		
	10192 May 24 22:38	0° $\Upsilon$			10197 Jul 22 19:49	0° $\mathcal{M}$		
	10192 Jul 24 00:27	0° $\mathcal{B}$			10197 Sep 12 08:22	0° $\mathcal{X}$		
retrograde	10192 Sep 14 03:08	12° $\mathcal{B}$ 39'31		desc. node	10197 Oct 30 02:38	28° $\mathcal{X}$ 50'12		
opposition	10192 Oct 18 20:57	5° $\mathcal{B}$ 35'13	-5°29'23		10197 Nov 01 00:24	0° $\mathcal{Z}$		
greatest brilliancy	10192 Oct 20 14:18	4° $\mathcal{B}$ 58'58	-2.1m		10197 Dec 19 15:54	0° $\approx$		
min. Earth dist.	10192 Oct 27 12:08	2° $\mathcal{B}$ 34'19	0.49852 AU	evening set	10198 Jan 18 14:41	18° $\approx$ 50'40		
	10192 Nov 04 17:52	30° $\mathcal{R}$ $\Upsilon$			10198 Feb 05 01:40	0° $\mathcal{H}$		
direct	10192 Nov 26 00:25	26° $\Upsilon$ 54'18		max. Earth dist.	10198 Feb 14 18:46	6° $\mathcal{H}$ 16'04	2.64102 AU	
	10192 Dec 17 17:25	0° $\mathcal{B}$						
	10193 Feb 16 14:43	0° $\Pi$		conjunction	10198 Mar 04 06:09	17° $\mathcal{H}$ 40'04	-0°56'48	
asc. node	10193 Feb 27 03:44	6° $\Pi$ 55'29		minimum elong	10198 Mar 04 05:04	17° $\mathcal{H}$ 38'18	0°56'40	
	10193 Mar 31 21:28	0° $\mathcal{G}$			10198 Mar 22 20:58	0° $\Upsilon$		
	10193 May 11 01:30	0° $\Omega$		morning rise	10198 Apr 18 18:56	18° $\Upsilon$ 12'12		
	10193 Jun 19 20:40	0° $\mathcal{N}$			10198 May 05 20:54	0° $\mathcal{B}$		
	10193 Jul 30 14:27	0° $\mathcal{L}$			10198 Jun 17 02:28	0° $\Pi$		
	10193 Sep 10 23:45	0° $\mathcal{M}$			10198 Jul 27 19:26	0° $\mathcal{G}$		
evening set	10193 Oct 25 05:17	0° $\mathcal{X}$			10198 Sep 05 11:32	0° $\Omega$		
	10193 Nov 05 23:29	7° $\mathcal{X}$ 46'56			10198 Oct 14 22:06	0° $\mathcal{N}$		
	10193 Dec 10 01:53	0° $\mathcal{Z}$		asc. node	10198 Oct 20 02:12	3° $\mathcal{N}$ 54'03		
					10198 Nov 24 11:12	0° $\mathcal{L}$		
conjunction	10193 Dec 23 19:31	8° $\mathcal{Z}$ 49'52	0°17'01		10199 Jan 07 21:16	0° $\mathcal{M}$		
minimum elong	10193 Dec 23 20:05	8° $\mathcal{Z}$ 50'47	0°17'29		10199 Mar 15 11:44	0° $\mathcal{X}$		
max. Earth dist.	10194 Jan 01 12:21	14° $\mathcal{Z}$ 23'49	2.66626 AU	retrograde	10199 Mar 29 14:01	1° $\mathcal{X}$ 20'56		
desc. node	10194 Jan 25 03:35	29° $\mathcal{Z}$ 26'01			10199 Apr 12 05:22	30° $\mathcal{R}$ $\mathcal{M}$		
	10194 Jan 26 01:02	0° $\approx$		min. Earth dist.	10199 Apr 30 11:21	24° $\mathcal{M}$ 27'21	0.55392 AU	
morning rise	10194 Feb 06 12:20	7° $\approx$ 15'39		greatest brilliancy	10199 May 06 09:29	22° $\mathcal{M}$ 10'52	-1.9m	
	10194 Mar 14 13:41	0° $\mathcal{H}$		opposition	10199 May 07 11:29	21° $\mathcal{M}$ 45'49	4°33'22	
	10194 May 01 08:34	0° $\Upsilon$		direct	10199 Jun 12 13:56	13° $\mathcal{M}$ 41'54		
	10194 Jun 18 13:22	0° $\mathcal{B}$			10199 Aug 11 20:20	0° $\mathcal{X}$		
	10194 Aug 07 04:13	0° $\Pi$		desc. node	10199 Sep 17 06:23	17° $\mathcal{X}$ 52'35		
	10194 Oct 01 22:26	0° $\mathcal{G}$			10199 Oct 09 13:56	0° $\mathcal{Z}$		
retrograde	10194 Nov 25 05:03	14° $\mathcal{G}$ 48'25			10199 Nov 30 05:14	0° $\approx$		
opposition	10194 Dec 25 01:55	9° $\mathcal{G}$ 49'17	-1°36'32		10200 Jan 17 15:58	0° $\mathcal{H}$		
greatest brilliancy	10194 Dec 25 10:02	9° $\mathcal{G}$ 43'46	-3.0m	evening set	10200 Feb 24 23:29	24° $\mathcal{H}$ 57'29		
min. Earth dist.	10194 Dec 28 21:59	8° $\mathcal{G}$ 46'40	0.37439 AU		10200 Mar 04 12:12	0° $\Upsilon$		
asc. node	10195 Jan 15 05:52	5° $\mathcal{G}$ 03'29		max. Earth dist.	10200 Mar 13 21:42	6° $\Upsilon$ 21'28	2.54890 AU	
direct	10195 Jan 24 22:02	4° $\mathcal{G}$ 25'44						
	10195 Apr 05 04:26	0° $\Omega$		conjunction	10200 Apr 14 04:50	28° $\Upsilon$ 03'58	-1°07'54	
	10195 May 22 11:30	0° $\mathcal{N}$		minimum elong	10200 Apr 14 05:11	28° $\Upsilon$ 04'36	1°08'05	
	10195 Jul 06 06:32	0° $\mathcal{L}$			10200 Apr 16 22:23	0° $\mathcal{B}$		
	10195 Aug 20 09:14	0° $\mathcal{M}$			10200 May 28 05:36	0° $\Pi$		

morning rise	10200 Jun 06 15:15	7°II01'12		opposition	10205 Aug 22 07:53	8°X26'41	-3°21'45
	10200 Jul 06 20:55	0°☾		greatest brilliancy	10205 Aug 22 18:35	8°X16'19	-1.4m
	10200 Aug 14 11:48	0°Ω		min. Earth dist.	10205 Aug 26 14:05	6°X47'39	0.64952 AU
asc. node	10200 Sep 06 20:47	18°Ω17'17			10205 Sep 17 04:25	30°R≈	
	10200 Sep 21 21:17	0°♍		direct	10205 Oct 02 22:07	28°≈24'00	
	10200 Oct 31 00:08	0°♊			10205 Oct 19 08:17	0°X	
	10200 Dec 11 01:13	0°♌			10205 Dec 29 09:37	0°Y	
	10201 Jan 24 23:19	0°♈			10206 Feb 14 13:32	0°♄	
	10201 Mar 21 18:26	0°♊			10206 Mar 28 07:43	0°II	
retrograde	10201 May 06 05:54	10°♊55'07		asc. node	10206 Apr 29 15:09	24°II39'16	
min. Earth dist.	10201 Jun 12 09:30	2°♊15'29	0.65008 AU		10206 May 06 11:55	0°☾	
opposition	10201 Jun 15 17:37	0°♊55'51	1°47'45		10206 Jun 13 14:59	0°Ω	
greatest brilliancy	10201 Jun 15 12:48	1°♊00'38	-1.4m		10206 Jul 21 20:39	0°♍	
	10201 Jun 18 02:01	30°R♈		evening set	10206 Aug 26 12:26	27°♍17'28	
direct	10201 Jul 25 04:00	21°♈40'33			10206 Aug 30 03:00	0°♊	
desc. node	10201 Aug 05 10:37	22°♈24'55			10206 Oct 10 02:25	0°♌	
	10201 Sep 04 12:45	0°♊					
	10201 Nov 07 14:56	0°≈		conjunction	10206 Oct 26 10:20	11°♌33'23	1°03'50
	10201 Dec 29 00:16	0°X		minimum elong	10206 Oct 26 11:23	11°♌35'14	1°04'06
	10202 Feb 13 15:52	0°Y			10206 Nov 22 03:46	0°♈	
	10202 Mar 29 00:34	0°♄		max. Earth dist.	10206 Nov 28 02:48	4°♈02'17	2.55440 AU
evening set	10202 Apr 11 02:22	9°♄25'35		morning rise	10206 Dec 18 12:51	17°♈40'22	
max. Earth dist.	10202 Apr 26 20:50	21°♄01'11	2.41754 AU		10207 Jan 06 08:54	0°♊	
	10202 May 08 21:06	0°II			10207 Feb 22 17:05	0°≈	
				desc. node	10207 Mar 28 02:04	20°≈17'18	
conjunction	10202 Jun 08 15:05	23°II30'59	-0°32'28		10207 Apr 13 13:56	0°X	
minimum elong	10202 Jun 08 17:34	23°II35'47	0°32'54		10207 Jun 07 13:05	0°Y	
	10202 Jun 16 23:08	0°☾		retrograde	10207 Aug 26 04:22	25°Y07'05	
asc. node	10202 Jul 25 16:44	0°Ω28'44		opposition	10207 Oct 01 14:54	17°Y20'40	-5°13'53
	10202 Jul 25 02:12	0°Ω		greatest brilliancy	10207 Oct 03 00:48	16°Y49'31	-1.8m
morning rise	10202 Aug 17 22:41	18°Ω51'09		min. Earth dist.	10207 Oct 09 09:52	14°Y29'18	0.55156 AU
	10202 Sep 01 02:56	0°♍		direct	10207 Nov 10 10:02	7°Y56'45	
	10202 Oct 09 22:18	0°♊			10208 Jan 15 11:40	0°♄	
	10202 Nov 19 09:20	0°♌			10208 Mar 02 11:08	0°II	
	10203 Jan 01 10:11	0°♈		asc. node	10208 Mar 16 19:09	10°II13'37	
	10203 Feb 17 11:38	0°♊			10208 Apr 12 10:11	0°☾	
	10203 Apr 14 21:09	0°≈			10208 May 21 12:56	0°Ω	
retrograde	10203 Jun 09 08:51	14°≈25'14			10208 Jun 29 14:34	0°♍	
desc. node	10203 Jun 23 11:36	13°≈08'47			10208 Aug 08 17:20	0°♊	
opposition	10203 Jul 19 21:18	4°≈44'44	-0°54'33		10208 Sep 19 13:14	0°♌	
greatest brilliancy	10203 Jul 19 21:12	4°≈44'51	-1.3m	evening set	10208 Oct 20 14:43	21°♌25'07	
min. Earth dist.	10203 Jul 20 08:03	4°≈34'07	0.68287 AU		10208 Nov 02 07:59	0°♈	
	10203 Aug 01 10:45	30°R♊					
direct	10203 Aug 30 03:52	24°♊52'06		conjunction	10208 Dec 09 19:04	24°♈44'12	0°32'51
	10203 Sep 30 14:02	0°≈		minimum elong	10208 Dec 09 20:10	24°♈45'58	0°33'18
	10203 Dec 05 20:30	0°X			10208 Dec 17 21:41	0°♊	
	10204 Jan 24 07:12	0°Y		max. Earth dist.	10208 Dec 24 09:56	4°♊12'24	2.64547 AU
	10204 Mar 08 08:44	0°♄		morning rise	10209 Jan 24 21:28	24°♊20'12	
	10204 Apr 18 05:28	0°II			10209 Feb 02 20:02	0°≈	
	10204 May 27 02:45	0°☾		desc. node	10209 Feb 11 19:49	5°≈40'21	
asc. node	10204 Jun 11 14:20	12°☾11'32			10209 Mar 22 17:15	0°X	
evening set	10204 Jun 12 07:31	12°☾45'29			10209 May 10 12:19	0°Y	
	10204 Jul 04 01:37	0°Ω			10209 Jun 30 01:55	0°♄	
	10204 Aug 11 01:11	0°♍			10209 Aug 25 15:35	0°II	
				retrograde	10209 Oct 25 11:10	17°II06'20	
conjunction	10204 Aug 22 21:34	9°♍14'47	0°47'05	opposition	10209 Nov 26 03:48	11°II23'09	-4°17'20
minimum elong	10204 Aug 22 17:56	9°♍07'43	0°46'50	greatest brilliancy	10209 Nov 27 12:14	10°II58'23	-2.7m
	10204 Sep 18 22:26	0°♊		min. Earth dist.	10209 Dec 03 19:07	9°II04'24	0.41375 AU
max. Earth dist.	10204 Oct 15 06:24	19°♊39'14	2.41883 AU	direct	10209 Dec 30 02:18	4°II36'56	
morning rise	10204 Oct 29 11:22	0°♌00'05		asc. node	10210 Feb 01 21:59	11°II56'04	
	10204 Oct 29 11:19	0°♌			10210 Mar 09 00:23	0°☾	
	10204 Dec 11 05:28	0°♈			10210 Apr 23 10:24	0°Ω	
	10205 Jan 25 16:32	0°♊			10210 Jun 04 18:10	0°♍	
	10205 Mar 15 18:35	0°≈			10210 Jul 17 05:00	0°♊	
desc. node	10205 May 10 07:55	29°≈23'36			10210 Aug 29 21:06	0°♌	
	10205 May 11 15:46	0°X			10210 Oct 14 01:34	0°♈	
retrograde	10205 Jul 14 01:37	17°X25'29			10210 Nov 29 12:47	0°♊	

evening set	10210 Dec 01 10:02	1° $\text{Z}$ 12'18			10215 Jun 05 14:54	0° $\text{II}$	
desc. node	10210 Dec 30 15:26	19° $\text{Z}$ 48'25			10215 Jul 15 14:54	0° $\text{G}$	
					10215 Aug 23 13:40	0° $\text{Q}$	
conjunction	10211 Jan 15 21:40	0° $\approx$ 07'26 -0°08'36		asc. node	10215 Sep 24 16:33	24° $\text{Q}$ 55'49	
minimum elong	10211 Jan 15 21:25	0° $\approx$ 07'02 0°08'11			10215 Oct 01 05:58	0° $\text{P}$	
behind sun begin	10211 Jan 15 05:17	29° $\text{Z}$ 41'29			10215 Nov 09 16:23	0° $\text{U}$	
behind sun end	10211 Jan 16 13:32	0° $\approx$ 32'35			10215 Dec 21 08:38	0° $\text{M}$	
	10211 Jan 15 16:58	0° $\approx$			10216 Feb 06 10:24	0° $\text{J}$	
max. Earth dist.	10211 Jan 16 02:54	0° $\approx$ 15'44 2.68202 AU		retrograde	10216 Apr 22 09:01	26° $\text{J}$ 51'09	
morning rise	10211 Feb 28 10:43	27° $\approx$ 46'31		min. Earth dist.	10216 May 27 15:29	18° $\text{J}$ 47'53 0.61933 AU	
	10211 Mar 03 22:30	0° $\text{H}$		opposition	10216 Jun 01 10:59	16° $\text{J}$ 53'38 2°53'07	
	10211 Apr 19 17:17	0° $\text{Y}$		greatest brilliancy	10216 May 31 23:39	17° $\text{J}$ 04'53 -1.6m	
	10211 Jun 04 19:59	0° $\text{B}$		direct	10216 Jul 09 18:20	8° $\text{J}$ 01'14	
	10211 Jul 20 07:46	0° $\text{II}$		desc. node	10216 Aug 21 22:04	17° $\text{J}$ 03'28	
	10211 Sep 03 13:51	0° $\text{G}$			10216 Sep 21 06:51	0° $\text{Z}$	
	10211 Oct 20 03:34	0° $\text{Q}$			10216 Nov 16 16:38	0° $\approx$	
	10211 Dec 17 07:39	0° $\text{P}$			10217 Jan 05 13:50	0° $\text{H}$	
asc. node	10211 Dec 20 22:35	1° $\text{P}$ 11'27			10217 Feb 20 19:28	0° $\text{Y}$	
retrograde	10212 Jan 15 00:23	5° $\text{P}$ 18'27		evening set	10217 Mar 23 02:19	20° $\text{Y}$ 46'14	
min. Earth dist.	10212 Feb 10 05:31	1° $\text{P}$ 00'54 0.37716 AU			10217 Apr 05 03:41	0° $\text{B}$	
	10212 Feb 13 20:14	30° $\text{R}$ $\text{Q}$		max. Earth dist.	10217 Apr 05 16:20	0° $\text{B}$ 22'33 2.47133 AU	
greatest brilliancy	10212 Feb 14 11:20	29° $\text{Q}$ 49'18 -2.9m					
opposition	10212 Feb 15 07:27	29° $\text{Q}$ 35'05 4°01'40		conjunction	10217 May 15 11:32	29° $\text{B}$ 29'47 -0°53'49	
direct	10212 Mar 15 18:47	24° $\text{Q}$ 30'45		minimum elong	10217 May 15 13:42	29° $\text{B}$ 33'51 0°54'10	
	10212 Apr 15 01:02	0° $\text{P}$			10217 May 16 03:40	0° $\text{II}$	
	10212 Jun 15 14:50	0° $\text{U}$			10217 Jun 24 10:15	0° $\text{G}$	
	10212 Aug 04 14:45	0° $\text{M}$		morning rise	10217 Jul 17 16:28	18° $\text{G}$ 10'15	
	10212 Sep 22 03:50	0° $\text{J}$		greatest brilliancy	10217 Jul 29 14:10	27° $\text{G}$ 32'13 1.2m	
	10212 Nov 09 12:16	0° $\text{Z}$			10217 Aug 01 17:11	0° $\text{Q}$	
desc. node	10212 Nov 16 15:12	4° $\text{Z}$ 25'41		asc. node	10217 Aug 11 09:49	7° $\text{Q}$ 38'25	
	10212 Dec 27 13:31	0° $\approx$			10217 Sep 08 20:24	0° $\text{P}$	
evening set	10213 Jan 05 18:31	5° $\approx$ 47'41			10217 Oct 17 17:13	0° $\text{U}$	
max. Earth dist.	10213 Feb 06 17:25	26° $\approx$ 05'33 2.66343 AU			10217 Nov 27 06:33	0° $\text{M}$	
	10213 Feb 12 19:33	0° $\text{H}$			10218 Jan 09 16:42	0° $\text{J}$	
					10218 Feb 27 07:35	0° $\text{Z}$	
conjunction	10213 Feb 19 01:27	4° $\text{H}$ 01'22 -0°45'49			10218 May 09 05:06	0° $\approx$	
minimum elong	10213 Feb 19 00:22	3° $\text{H}$ 59'37 0°45'34		retrograde	10218 May 27 04:17	1° $\approx$ 53'38	
	10213 Mar 30 18:45	0° $\text{Y}$			10218 Jun 13 04:44	30° $\text{R}$ $\text{Z}$	
morning rise	10213 Apr 04 06:38	2° $\text{Y}$ 59'16		opposition	10218 Jul 06 19:51	22° $\text{Z}$ 02'51 0°06'44	
	10213 May 14 04:38	0° $\text{B}$		min. Earth dist.	10218 Jul 05 19:07	22° $\text{Z}$ 27'26 0.67770 AU	
	10213 Jun 26 00:27	0° $\text{II}$		greatest brilliancy	10218 Jul 06 19:51	22° $\text{Z}$ 02'51 -1.3m	
	10213 Aug 06 10:07	0° $\text{G}$		desc. node	10218 Jul 10 00:56	20° $\text{Z}$ 46'35	
	10213 Sep 15 20:18	0° $\text{Q}$		direct	10218 Aug 16 12:54	12° $\text{Z}$ 21'45	
	10213 Oct 26 04:53	0° $\text{P}$			10218 Oct 19 16:04	0° $\approx$	
asc. node	10213 Nov 06 21:29	8° $\text{P}$ 32'25			10218 Dec 15 06:01	0° $\text{H}$	
	10213 Dec 07 09:23	0° $\text{U}$			10219 Feb 01 05:15	0° $\text{Y}$	
	10214 Jan 26 18:57	0° $\text{M}$			10219 Mar 16 21:42	0° $\text{B}$	
retrograde	10214 Mar 13 09:38	12° $\text{M}$ 29'10			10219 Apr 26 17:16	0° $\text{II}$	
min. Earth dist.	10214 Apr 11 20:19	6° $\text{M}$ 29'20 0.50206 AU		evening set	10219 May 16 19:45	15° $\text{II}$ 21'24	
greatest brilliancy	10214 Apr 18 11:26	4° $\text{M}$ 02'56 -2.1m			10219 Jun 04 15:38	0° $\text{G}$	
opposition	10214 Apr 19 23:35	3° $\text{M}$ 29'30 5°26'05		asc. node	10219 Jun 29 06:34	19° $\text{G}$ 24'20	
	10214 Apr 30 02:39	30° $\text{R}$ $\text{U}$			10219 Jul 12 15:17	0° $\text{Q}$	
direct	10214 May 24 07:17	26° $\text{U}$ 08'07					
	10214 Jun 19 09:06	0° $\text{M}$		conjunction	10219 Jul 24 02:38	9° $\text{Q}$ 05'45 0°17'53	
	10214 Aug 27 02:44	0° $\text{J}$		minimum elong	10219 Jul 24 00:41	9° $\text{Q}$ 01'54 0°17'28	
desc. node	10214 Oct 04 18:03	21° $\text{J}$ 26'14			10219 Aug 19 14:23	0° $\text{P}$	
	10214 Oct 19 13:14	0° $\text{Z}$		max. Earth dist.	10219 Aug 29 13:55	7° $\text{P}$ 48'15 2.36920 AU	
	10214 Dec 08 16:16	0° $\approx$			10219 Sep 27 09:50	0° $\text{U}$	
	10215 Jan 25 14:39	0° $\text{H}$		morning rise	10219 Oct 04 21:31	5° $\text{U}$ 39'48	
evening set	10215 Feb 10 22:46	10° $\text{H}$ 32'35			10219 Nov 06 20:26	0° $\text{M}$	
max. Earth dist.	10215 Mar 03 11:47	24° $\text{H}$ 03'22 2.59091 AU			10219 Dec 19 14:35	0° $\text{J}$	
	10215 Mar 12 09:20	0° $\text{Y}$			10220 Feb 03 09:54	0° $\text{Z}$	
					10220 Mar 25 00:17	0° $\approx$	
conjunction	10215 Mar 29 04:32	11° $\text{Y}$ 23'08 -1°07'25		desc. node	10220 May 26 23:40	28° $\approx$ 41'11	
minimum elong	10215 Mar 29 04:03	11° $\text{Y}$ 22'17 1°07'29			10220 May 31 08:49	0° $\text{H}$	
	10215 Apr 25 00:00	0° $\text{B}$		retrograde	10220 Jun 29 16:42	4° $\text{H}$ 33'02	
morning rise	10215 May 17 11:54	16° $\text{B}$ 02'58			10220 Jul 26 16:24	30° $\text{R}$ $\approx$	

opposition	10220 Aug 08 14:23	25° $\approx$ 15'15	-2°27'06			10225 Oct 21 08:46	0° $\nearrow$	
greatest brilliancy	10220 Aug 08 19:00	25° $\approx$ 10'45	-1.3m	evening set		10225 Nov 16 04:47	16° $\nearrow$ 56'22	
min. Earth dist.	10220 Aug 11 08:51	24° $\approx$ 10'12	0.67043 AU			10225 Dec 06 09:27	0° $\searrow$	
direct	10220 Sep 19 06:05	15° $\approx$ 12'46						
	10220 Nov 14 12:18	0° $\bowtie$		conjunction		10226 Jan 02 00:23	17° $\searrow$ 02'26	0°07'33
	10221 Jan 08 18:29	0° $\Upsilon$		minimum elong		10226 Jan 02 00:38	17° $\searrow$ 02'51	0°08'01
	10221 Feb 23 04:55	0° $\delta$		behind sun begin		10226 Jan 01 08:06	16° $\searrow$ 36'30	
	10221 Apr 05 11:16	0° $\Pi$		behind sun end		10226 Jan 02 17:11	17° $\searrow$ 29'11	
	10221 May 14 11:13	0° $\ominus$		max. Earth dist.		10226 Jan 07 14:26	20° $\searrow$ 35'47	2.67435 AU
asc. node	10221 May 16 07:07	1° $\ominus$ 25'59		desc. node		10226 Jan 16 05:47	26° $\searrow$ 05'16	
greatest brilliancy	10221 May 23 10:06	7° $\ominus$ 01'51	1.2m			10226 Jan 22 09:40	0° $\approx$	
	10221 Jun 21 11:24	0° $\Omega$		morning rise		10226 Feb 15 03:40	15° $\approx$ 02'39	
evening set	10221 Jul 29 11:23	29° $\Omega$ 56'01				10226 Mar 10 19:01	0° $\bowtie$	
	10221 Jul 29 13:26	0° $\P$				10226 Apr 27 03:46	0° $\Upsilon$	
	10221 Sep 06 14:53	0° $\underline{\Omega}$				10226 Jun 13 11:08	0° $\delta$	
						10226 Jul 31 03:32	0° $\Pi$	
conjunction	10221 Oct 04 05:58	20° $\underline{\Omega}$ 30'12	1°06'19			10226 Sep 18 21:02	0° $\ominus$	
minimum elong	10221 Oct 04 05:32	20° $\underline{\Omega}$ 29'23	1°06'27			10226 Nov 23 14:18	0° $\Omega$	
	10221 Oct 17 08:35	0° $\P$		retrograde		10226 Dec 14 15:16	2° $\Omega$ 46'53	
max. Earth dist.	10221 Nov 14 18:02	20° $\P$ 02'57	2.50512 AU			10227 Jan 05 02:19	30° $\P$ $\ominus$	
	10221 Nov 29 05:22	0° $\nearrow$		asc. node		10227 Jan 06 16:04	29° $\ominus$ 37'10	
morning rise	10221 Dec 01 01:53	1° $\nearrow$ 15'47		opposition		10227 Jan 13 10:21	27° $\ominus$ 51'55	0°31'54
	10222 Jan 13 10:06	0° $\searrow$		greatest brilliancy		10227 Jan 13 10:13	27° $\ominus$ 52'00	-3.1m
	10222 Mar 02 04:28	0° $\approx$		min. Earth dist.		10227 Jan 14 00:06	27° $\ominus$ 42'46	0.36521 AU
desc. node	10222 Apr 13 17:54	25° $\approx$ 02'20		direct		10227 Feb 12 01:17	22° $\ominus$ 54'49	
	10222 Apr 22 15:19	0° $\bowtie$				10227 Mar 18 00:03	0° $\Omega$	
	10222 Jun 24 02:04	0° $\Upsilon$				10227 May 14 00:16	0° $\P$	
retrograde	10222 Aug 08 00:19	9° $\Upsilon$ 39'20				10227 Jun 30 05:34	0° $\underline{\Omega}$	
opposition	10222 Sep 14 18:35	1° $\Upsilon$ 19'45	-4°38'01			10227 Aug 15 12:04	0° $\P$	
greatest brilliancy	10222 Sep 15 18:48	0° $\Upsilon$ 56'52	-1.6m			10227 Oct 01 07:02	0° $\nearrow$	
	10222 Sep 18 06:48	30° $\P$ $\bowtie$				10227 Nov 17 17:15	0° $\searrow$	
min. Earth dist.	10222 Sep 21 07:04	28° $\bowtie$ 52'00	0.59695 AU	desc. node		10227 Dec 04 03:09	10° $\searrow$ 20'02	
direct	10222 Oct 25 14:16	21° $\bowtie$ 31'42		evening set		10227 Dec 23 22:46	22° $\searrow$ 48'48	
	10222 Dec 03 15:18	0° $\Upsilon$				10228 Jan 04 08:06	0° $\approx$	
	10223 Jan 29 00:34	0° $\delta$		max. Earth dist.		10228 Jan 29 20:31	16° $\approx$ 09'57	2.67724 AU
	10223 Mar 13 17:51	0° $\Pi$						
asc. node	10223 Apr 03 08:58	15° $\Pi$ 17'20		conjunction		10228 Feb 06 08:27	20° $\approx$ 56'26	-0°32'37
	10223 Apr 22 16:09	0° $\ominus$		minimum elong		10228 Feb 06 07:35	20° $\approx$ 55'03	0°32'16
	10223 May 31 05:42	0° $\Omega$				10228 Feb 20 12:28	0° $\bowtie$	
	10223 Jul 08 20:45	0° $\P$		morning rise		10228 Mar 20 21:37	18° $\bowtie$ 59'13	
	10223 Aug 17 13:17	0° $\underline{\Omega}$				10228 Apr 06 17:22	0° $\Upsilon$	
	10223 Sep 27 23:03	0° $\P$				10228 May 21 15:57	0° $\delta$	
evening set	10223 Oct 02 03:21	2° $\P$ 56'58				10228 Jul 04 06:24	0° $\Pi$	
	10223 Nov 10 09:10	0° $\nearrow$				10228 Aug 15 16:00	0° $\ominus$	
						10228 Sep 26 07:57	0° $\Omega$	
conjunction	10223 Nov 24 14:20	9° $\nearrow$ 32'07	0°47'20			10228 Nov 07 13:01	0° $\P$	
minimum elong	10223 Nov 24 15:47	9° $\nearrow$ 34'31	0°47'45	asc. node		10228 Nov 23 14:38	10° $\P$ 55'07	
max. Earth dist.	10223 Dec 15 14:32	23° $\nearrow$ 24'05	2.61614 AU			10228 Dec 24 08:21	0° $\underline{\Omega}$	
	10223 Dec 25 17:35	0° $\searrow$		retrograde		10229 Feb 21 14:36	20° $\underline{\Omega}$ 01'01	
morning rise	10224 Jan 11 17:45	10° $\searrow$ 58'07		min. Earth dist.		10229 Mar 20 18:24	14° $\underline{\Omega}$ 56'36	0.44693 AU
	10224 Feb 10 17:13	0° $\approx$		greatest brilliancy		10229 Mar 27 12:07	12° $\underline{\Omega}$ 38'37	-2.4m
desc. node	10224 Feb 29 11:15	11° $\approx$ 43'31		opposition		10229 Mar 29 05:46	12° $\underline{\Omega}$ 02'50	5°51'32
	10224 Mar 30 03:15	0° $\bowtie$		direct		10229 Apr 30 11:29	5° $\underline{\Omega}$ 34'29	
	10224 May 19 10:31	0° $\Upsilon$				10229 Jul 14 13:34	0° $\P$	
	10224 Jul 13 09:46	0° $\delta$				10229 Sep 07 01:15	0° $\nearrow$	
retrograde	10224 Sep 28 10:00	24° $\delta$ 16'53		desc. node		10229 Oct 21 05:22	26° $\nearrow$ 04'34	
opposition	10224 Nov 01 02:25	17° $\delta$ 39'32	-5°21'32			10229 Oct 27 18:05	0° $\searrow$	
greatest brilliancy	10224 Nov 02 20:40	17° $\delta$ 03'47	-2.3m			10229 Dec 15 20:31	0° $\approx$	
min. Earth dist.	10224 Nov 09 19:49	14° $\delta$ 43'39	0.46751 AU	evening set		10230 Jan 27 14:51	26° $\approx$ 54'39	
direct	10224 Dec 07 23:15	9° $\delta$ 32'25				10230 Feb 01 10:35	0° $\bowtie$	
	10225 Feb 06 23:28	0° $\Pi$		max. Earth dist.		10230 Feb 21 08:48	12° $\bowtie$ 53'59	2.62544 AU
asc. node	10225 Feb 18 13:05	6° $\Pi$ 50'47						
	10225 Mar 25 07:56	0° $\ominus$		conjunction		10230 Mar 13 15:48	26° $\bowtie$ 16'27	-1°01'52
	10225 May 05 13:07	0° $\Omega$		minimum elong		10230 Mar 13 14:50	26° $\bowtie$ 14'51	1°01'48
	10225 Jun 14 22:34	0° $\P$				10230 Mar 19 05:50	0° $\Upsilon$	
	10225 Jul 26 03:01	0° $\underline{\Omega}$		morning rise		10230 Apr 29 05:48	27° $\Upsilon$ 59'37	
	10225 Sep 06 20:38	0° $\P$				10230 May 02 02:47	0° $\delta$	

	10230 Jun 13 03:02	0°♂		retrograde	10235 Jun 17 00:02	22°♂00'53	
	10230 Jul 23 13:35	0°♂		opposition	10235 Jul 27 08:28	12°♂27'34	-1°29'28
	10230 Aug 31 22:31	0°♂		greatest brilliancy	10235 Jul 27 09:21	12°♂26'42	-1.3m
	10230 Oct 10 00:48	0°♂		min. Earth dist.	10235 Jul 28 15:07	11°♂57'20	0.68130 AU
asc. node	10230 Oct 11 10:07	1°♂03'32		direct	10235 Sep 06 19:38	2°♂30'10	
	10230 Nov 19 00:42	0°♂			10235 Nov 28 20:47	0°♂	
	10230 Dec 31 23:37	0°♂			10236 Jan 18 19:20	0°♂	
	10231 Feb 22 18:07	0°♂			10236 Mar 03 07:07	0°♂	
retrograde	10231 Apr 08 14:37	11°♂25'52			10236 Apr 13 06:56	0°♂	
min. Earth dist.	10231 May 11 18:31	4°♂05'00	0.57964 AU		10236 May 22 04:59	0°♂	
greatest brilliancy	10231 May 17 03:58	1°♂58'49	-1.7m	asc. node	10236 Jun 01 22:26	8°♂26'20	
opposition	10231 May 18 00:11	1°♂39'03	3°58'01	evening set	10236 Jun 29 04:14	0°♂00'44	
	10231 May 22 07:15	30°♂			10236 Jun 29 03:52	0°♂	
direct	10231 Jun 23 22:58	23°♂15'36			10236 Aug 06 03:36	0°♂	
	10231 Jul 30 03:52	0°♂					
desc. node	10231 Sep 08 10:08	16°♂54'35		conjunction	10236 Sep 08 07:47	25°♂38'32	0°58'05
	10231 Oct 03 23:32	0°♂		minimum elong	10236 Sep 08 04:59	25°♂33'11	0°57'59
	10231 Nov 25 22:24	0°♂			10236 Sep 14 01:35	0°♂	
	10232 Jan 13 20:12	0°♂			10236 Oct 24 15:09	0°♂	
	10232 Feb 28 19:51	0°♂		max. Earth dist.	10236 Oct 28 10:48	2°♂44'56	2.45046 AU
evening set	10232 Mar 06 01:17	4°♂11'58		morning rise	10236 Nov 11 05:06	12°♂32'27	
max. Earth dist.	10232 Mar 21 09:13	14°♂41'14	2.52290 AU		10236 Dec 06 08:58	0°♂	
	10232 Apr 12 05:53	0°♂			10237 Jan 20 15:52	0°♂	
					10237 Mar 10 02:32	0°♂	
conjunction	10232 Apr 24 18:27	8°♂57'48	-1°05'11	desc. node	10237 Apr 30 09:52	28°♂34'27	
minimum elong	10232 Apr 24 19:27	8°♂59'36	1°05'28		10237 May 03 05:28	0°♂	
	10232 May 23 10:58	0°♂		retrograde	10237 Jul 22 17:23	25°♂32'56	
morning rise	10232 Jun 20 04:28	20°♂56'27		opposition	10237 Aug 30 12:29	16°♂46'37	-3°51'31
	10232 Jul 01 23:33	0°♂		greatest brilliancy	10237 Aug 31 03:36	16°♂32'05	-1.5m
	10232 Aug 09 11:31	0°♂		min. Earth dist.	10237 Sep 04 14:25	14°♂49'18	0.63371 AU
asc. node	10232 Aug 28 05:04	14°♂42'01		direct	10237 Oct 10 22:16	6°♂46'36	
	10232 Sep 16 18:11	0°♂			10237 Dec 21 11:15	0°♂	
	10232 Oct 25 17:44	0°♂			10238 Feb 08 13:55	0°♂	
	10232 Dec 05 12:07	0°♂			10238 Mar 22 21:09	0°♂	
	10233 Jan 18 15:24	0°♂		asc. node	10238 Apr 20 01:33	21°♂19'29	
	10233 Mar 11 09:42	0°♂			10238 May 01 06:39	0°♂	
retrograde	10233 May 13 23:03	19°♂01'50			10238 Jun 08 12:28	0°♂	
min. Earth dist.	10233 Jun 21 00:57	10°♂04'15	0.66263 AU		10238 Jul 16 20:16	0°♂	
opposition	10233 Jun 23 13:14	9°♂04'14	1°10'01		10238 Aug 25 04:57	0°♂	
greatest brilliancy	10233 Jun 23 10:57	9°♂06'31	-1.4m	evening set	10238 Sep 09 17:50	11°♂31'05	
	10233 Jul 25 22:27	30°♂			10238 Oct 05 06:35	0°♂	
desc. node	10233 Jul 26 13:50	29°♂56'29					
direct	10233 Aug 02 11:43	29°♂38'31		conjunction	10238 Nov 06 16:24	22°♂40'48	0°59'05
	10233 Aug 10 06:39	0°♂		minimum elong	10238 Nov 06 17:49	22°♂43'13	0°59'25
	10233 Oct 31 21:10	0°♂			10238 Nov 17 09:42	0°♂	
	10233 Dec 23 16:28	0°♂		max. Earth dist.	10238 Dec 04 22:42	11°♂48'05	2.57857 AU
	10234 Feb 08 18:10	0°♂		morning rise	10238 Dec 27 17:18	26°♂49'02	
	10234 Mar 24 05:45	0°♂			10239 Jan 01 14:39	0°♂	
evening set	10234 Apr 23 02:16	21°♂46'01			10239 Feb 17 18:10	0°♂	
	10234 May 04 02:09	0°♂		desc. node	10239 Mar 18 02:51	17°♂28'15	
max. Earth dist.	10234 May 15 18:40	8°♂51'53	2.38931 AU		10239 Apr 07 22:56	0°♂	
	10234 Jun 12 03:08	0°♂			10239 May 30 15:37	0°♂	
					10239 Aug 05 20:58	0°♂	
conjunction	10234 Jun 24 02:12	9°♂22'32	-0°15'43	retrograde	10239 Sep 06 15:25	5°♂15'19	
minimum elong	10234 Jun 24 03:45	9°♂25'35	0°16'11		10239 Oct 05 23:14	30°♂	
behind sun begin	10234 Jun 24 02:14	9°♂22'35		opposition	10239 Oct 12 04:09	27°♂50'59	-5°25'50
behind sun end	10234 Jun 24 05:17	9°♂28'35		greatest brilliancy	10239 Oct 13 18:45	27°♂16'17	-2.0m
asc. node	10234 Jul 15 23:15	26°♂38'37		min. Earth dist.	10239 Oct 20 11:33	24°♂52'18	0.52299 AU
	10234 Jul 20 04:59	0°♂		direct	10239 Nov 20 02:49	18°♂47'59	
	10234 Aug 27 04:52	0°♂			10240 Jan 03 03:42	0°♂	
morning rise	10234 Sep 04 23:51	6°♂52'35			10240 Feb 23 23:28	0°♂	
	10234 Oct 04 23:44	0°♂		asc. node	10240 Mar 07 04:32	8°♂22'22	
	10234 Nov 14 09:26	0°♂			10240 Apr 06 01:41	0°♂	
	10234 Dec 27 05:50	0°♂			10240 May 15 16:59	0°♂	
	10235 Feb 11 15:44	0°♂			10240 Jun 24 02:46	0°♂	
	10235 Apr 05 23:41	0°♂			10240 Aug 03 12:19	0°♂	
desc. node	10235 Jun 13 14:00	21°♂56'38			10240 Sep 14 13:52	0°♂	

	10240 Oct 28 13:05	0°♊			10245 Sep 09 20:17	0°♏	
evening set	10240 Oct 30 16:51	1°♊26'23			10245 Oct 19 14:56	0°♐	
	10240 Dec 13 05:19	0°♑		asc. node	10245 Oct 28 04:44	6°♐23'35	
					10245 Nov 29 16:37	0°♑	
conjunction	10240 Dec 18 11:40	3°♑23'57 0°23'41			10246 Jan 14 15:31	0°♒	
minimum elong	10240 Dec 18 12:28	3°♑25'14 0°24'09		retrograde	10246 Mar 23 10:27	23°♒59'52	
max. Earth dist.	10240 Dec 29 19:35	10°♑40'56 2.65800 AU		min. Earth dist.	10246 Apr 23 05:43	17°♒29'13 0.53140 AU	
	10241 Jan 29 03:22	0°♒		greatest brilliancy	10246 Apr 29 12:06	15°♒07'04 -2.0m	
morning rise	10241 Feb 01 17:39	2°♒16'36		opposition	10246 Apr 30 18:38	14°♒38'04 4°58'08	
desc. node	10241 Feb 01 20:29	2°♒21'04		direct	10246 Jun 05 02:50	6°♒51'51	
	10241 Mar 17 19:06	0°♋			10246 Aug 18 15:07	0°♊	
	10241 May 04 23:23	0°♌		desc. node	10246 Sep 24 21:46	19°♊28'51	
	10241 Jun 23 01:25	0°♍			10246 Oct 13 16:26	0°♋	
	10241 Aug 13 20:11	0°♎			10246 Dec 03 15:33	0°♌	
	10241 Oct 22 03:36	0°♏			10247 Jan 20 21:39	0°♍	
retrograde	10241 Nov 11 20:36	2°♏30'52		evening set	10247 Feb 19 09:27	19°♍06'54	
	10241 Dec 02 01:20	30°♎♐			10247 Mar 07 18:12	0°♌	
opposition	10241 Dec 12 08:45	27°♐15'54 -2°59'03		max. Earth dist.	10247 Mar 09 20:19	1°♌24'13 2.56849 AU	
greatest brilliancy	10241 Dec 13 04:23	27°♐01'56 -2.9m					
min. Earth dist.	10241 Dec 18 07:25	25°♐34'40 0.38899 AU		conjunction	10247 Apr 07 15:01	21°♌06'11 -1°08'27	
direct	10242 Jan 13 12:49	21°♐18'24		minimum elong	10247 Apr 07 14:57	21°♌06'05 1°08'35	
asc. node	10242 Jan 23 06:49	21°♐57'51			10247 Apr 20 07:31	0°♍	
	10242 Feb 19 18:20	0°♏		morning rise	10247 May 29 00:40	27°♍57'42	
	10242 Apr 14 01:47	0°♏			10247 May 31 18:53	0°♎	
	10242 May 28 12:01	0°♐			10247 Jul 10 14:38	0°♏	
	10242 Jul 11 00:50	0°♑			10247 Aug 18 09:08	0°♏	
	10242 Aug 24 09:21	0°♒		asc. node	10247 Sep 14 22:39	21°♏29'50	
	10242 Oct 09 00:39	0°♊			10247 Sep 25 21:06	0°♐	
	10242 Nov 24 18:27	0°♋			10247 Nov 04 02:08	0°♑	
evening set	10242 Dec 09 18:13	9°♋31'28			10247 Dec 15 07:06	0°♒	
desc. node	10242 Dec 20 17:26	16°♋28'50			10248 Jan 29 19:45	0°♊	
	10243 Jan 11 01:39	0°♌			10248 Mar 30 14:33	0°♋	
max. Earth dist.	10243 Jan 21 03:40	6°♌23'33 2.68258 AU		retrograde	10248 Apr 30 10:01	5°♋29'53	
					10248 May 29 01:57	30°♎♌	
conjunction	10243 Jan 23 17:40	8°♌01'51 -0°17'47		min. Earth dist.	10248 Jun 05 17:47	27°♌05'35 0.63757 AU	
minimum elong	10243 Jan 23 17:09	8°♌01'02 0°17'23		opposition	10248 Jun 09 17:32	25°♌30'29 2°15'00	
	10243 Feb 27 06:10	0°♍		greatest brilliancy	10248 Jun 09 10:14	25°♌37'45 -1.5m	
morning rise	10243 Mar 08 03:40	5°♍41'34		direct	10248 Jul 18 15:56	16°♌24'48	
	10243 Apr 14 19:25	0°♌		desc. node	10248 Aug 12 02:10	19°♌37'35	
	10243 May 30 10:58	0°♍			10248 Sep 11 15:07	0°♋	
	10243 Jul 14 03:40	0°♎			10248 Nov 10 18:25	0°♌	
	10243 Aug 27 02:40	0°♏			10248 Dec 31 12:37	0°♍	
	10243 Oct 10 02:50	0°♏			10249 Feb 16 01:10	0°♌	
	10243 Nov 26 07:35	0°♐			10249 Mar 31 11:08	0°♍	
asc. node	10243 Dec 11 08:28	8°♐12'24		evening set	10249 Apr 02 12:46	1°♍28'36	
retrograde	10244 Jan 30 05:06	22°♐58'54		max. Earth dist.	10249 Apr 16 11:13	11°♍32'08 2.44164 AU	
min. Earth dist.	10244 Feb 25 02:30	18°♐35'25 0.39701 AU			10249 May 11 10:12	0°♎	
greatest brilliancy	10244 Mar 01 18:08	16°♐52'29 -2.8m					
opposition	10244 Mar 03 03:04	16°♐27'15 5°12'27		conjunction	10249 May 28 13:53	12°♎59'39 -0°42'58	
direct	10244 Apr 02 10:14	10°♐56'44		minimum elong	10249 May 28 16:26	13°♎04'32 0°43'23	
	10244 Jun 04 01:46	0°♑			10249 Jun 19 14:58	0°♏	
	10244 Jul 28 10:07	0°♒			10249 Jul 27 19:53	0°♏	
	10244 Sep 16 10:14	0°♊		asc. node	10249 Aug 01 18:17	3°♏53'52	
	10244 Nov 04 10:57	0°♋		morning rise	10249 Aug 03 21:54	5°♏35'50	
desc. node	10244 Nov 06 18:00	1°♋24'43			10249 Sep 03 21:12	0°♐	
	10244 Dec 22 20:04	0°♌			10249 Oct 12 16:13	0°♑	
evening set	10245 Jan 13 16:07	13°♌44'00			10249 Nov 22 02:38	0°♒	
	10245 Feb 08 04:38	0°♍			10250 Jan 04 04:50	0°♊	
max. Earth dist.	10245 Feb 11 23:31	2°♍26'09 2.65202 AU			10250 Feb 20 16:36	0°♋	
					10250 Apr 21 03:00	0°♌	
conjunction	10245 Feb 27 02:24	12°♍13'50 -0°52'35		retrograde	10250 Jun 03 17:53	9°♌35'13	
minimum elong	10245 Feb 27 01:18	12°♍12'01 0°52'23		desc. node	10250 Jun 30 03:42	5°♌06'34	
	10245 Mar 26 02:18	0°♌			10250 Jul 13 21:35	30°♎♌	
morning rise	10245 Apr 12 23:06	11°♌58'50		opposition	10250 Jul 14 07:56	29°♌49'44 -0°29'31	
	10245 May 09 07:28	0°♍		greatest brilliancy	10250 Jul 14 07:38	29°♌50'02 -1.3m	
	10245 Jun 20 19:51	0°♎		min. Earth dist.	10250 Jul 14 02:57	29°♌54'40 0.68188 AU	
	10245 Jul 31 20:33	0°♏		direct	10250 Aug 24 08:32	20°♌01'43	

	10250 Oct 09 02:05	0°≈		minimum elong	10255 Dec 04 01:17	18°♄54'09	0°39'34
	10250 Dec 09 04:33	0°✠		max. Earth dist.	10255 Dec 21 08:00	0°♄10'57	2.63342 AU
	10251 Jan 27 00:44	0°♂			10255 Dec 21 01:16	0°♄	
	10251 Mar 11 23:52	0°♂		morning rise	10256 Jan 19 22:01	19°♄11'31	
	10251 Apr 21 21:11	0°♂			10256 Feb 05 23:09	0°≈	
	10251 May 30 19:45	0°♄		desc. node	10256 Feb 19 12:40	8°≈32'06	
evening set	10251 May 31 19:25	0°♄46'22			10256 Mar 25 00:42	0°✠	
asc. node	10251 Jun 19 15:29	15°♄36'48			10256 May 13 09:05	0°♂	
	10251 Jul 07 19:11	0°♂			10256 Jul 04 10:08	0°♂	
					10256 Sep 06 04:05	0°♂	
conjunction	10251 Aug 10 12:56	26°♂41'23	0°35'44	retrograde	10256 Oct 13 00:14	7°♂06'47	
minimum elong	10251 Aug 10 09:29	26°♂34'35	0°35'23	opposition	10256 Nov 14 15:20	0°♂58'52	-4°54'18
	10251 Aug 14 18:05	0°♂		greatest brilliancy	10256 Nov 16 06:06	0°♂27'43	-2.5m
	10251 Sep 22 13:38	0°♂			10256 Nov 17 16:31	30°♂	
max. Earth dist.	10251 Oct 02 05:49	7°♂18'27	2.39426 AU	min. Earth dist.	10256 Nov 23 00:59	28°♂18'24	0.43702 AU
morning rise	10251 Oct 19 20:17	20°♂23'57		direct	10256 Dec 19 23:17	23°♂33'59	
	10251 Nov 02 00:05	0°♂			10257 Jan 20 13:54	0°♂	
	10251 Dec 14 16:16	0°♄		asc. node	10257 Feb 08 22:42	8°♂46'15	
	10252 Jan 29 04:24	0°♄			10257 Mar 16 09:30	0°♄	
	10252 Mar 18 17:09	0°≈			10257 Apr 28 10:21	0°♂	
desc. node	10252 May 17 00:35	29°≈55'08			10257 Jun 08 17:15	0°♂	
	10252 May 17 05:19	0°✠			10257 Jul 20 11:42	0°♂	
retrograde	10252 Jul 07 19:20	12°✠20'55			10257 Sep 01 15:42	0°♂	
opposition	10252 Aug 16 09:01	3°✠13'12	-2°59'27		10257 Oct 16 11:13	0°♄	
greatest brilliancy	10252 Aug 16 16:50	3°✠05'35	-1.4m	evening set	10257 Nov 24 23:48	25°♄41'36	
min. Earth dist.	10252 Aug 19 23:21	1°✠49'04	0.66017 AU		10257 Dec 01 16:40	0°♄	
	10252 Aug 24 17:33	30°♂		desc. node	10258 Jan 06 07:24	22°♄43'16	
direct	10252 Sep 27 00:22	23°≈09'44					
	10252 Nov 02 00:14	0°✠		conjunction	10258 Jan 10 00:09	25°♄04'10	-0°01'59
	10253 Jan 02 06:54	0°♂		minimum elong	10258 Jan 10 00:06	25°♄04'05	0°01'33
	10253 Feb 17 17:02	0°♂		behind sun begin	10258 Jan 09 05:34	24°♄34'42	
	10253 Mar 31 06:49	0°♂		behind sun end	10258 Jan 10 18:37	25°♄33'29	
asc. node	10253 May 06 15:42	27°♂51'14		max. Earth dist.	10258 Jan 12 15:24	26°♄44'32	2.67964 AU
	10253 May 09 09:42	0°♄			10258 Jan 17 18:37	0°≈	
	10253 Jun 16 11:29	0°♂		morning rise	10258 Feb 22 18:07	22°≈49'04	
	10253 Jul 24 14:54	0°♂			10258 Mar 06 01:33	0°✠	
evening set	10253 Aug 14 16:22	16°♂16'39			10258 Apr 22 02:19	0°♂	
	10253 Sep 01 18:06	0°♂			10258 Jun 07 16:45	0°♂	
	10253 Oct 12 13:41	0°♂			10258 Jul 24 00:30	0°♂	
					10258 Sep 08 18:33	0°♄	
conjunction	10253 Oct 17 04:47	3°♂18'45	1°05'55		10258 Oct 28 23:29	0°♂	
minimum elong	10253 Oct 17 05:21	3°♂19'45	1°06'09	asc. node	10258 Dec 27 23:40	21°♂27'54	
max. Earth dist.	10253 Nov 22 17:18	28°♂48'11	2.53318 AU	retrograde	10259 Jan 01 21:26	21°♂37'36	
	10253 Nov 24 11:25	0°♄		min. Earth dist.	10259 Jan 29 09:15	17°♂09'33	0.36743 AU
morning rise	10253 Dec 11 05:51	11°♄19'08		opposition	10259 Feb 01 04:15	16°♂24'31	2°41'16
	10254 Jan 08 14:45	0°♄		greatest brilliancy	10259 Jan 31 19:29	16°♂30'25	-3.0m
	10254 Feb 25 01:23	0°≈		direct	10259 Mar 02 07:45	11°♂31'54	
desc. node	10254 Apr 03 18:56	22°≈41'03			10259 May 01 02:44	0°♂	
	10254 Apr 16 10:36	0°✠			10259 Jun 22 06:07	0°♂	
	10254 Jun 12 13:38	0°♂			10259 Aug 09 06:32	0°♂	
retrograde	10254 Aug 18 01:26	18°♂44'46			10259 Sep 25 22:13	0°♄	
opposition	10254 Sep 24 02:43	10°♂42'35	-5°00'10		10259 Nov 12 19:43	0°♄	
greatest brilliancy	10254 Sep 25 08:26	10°♂14'52	-1.7m	desc. node	10259 Nov 24 06:16	7°♄09'24	
min. Earth dist.	10254 Oct 01 08:18	8°♂00'53	0.57296 AU		10259 Dec 30 16:10	0°≈	
direct	10254 Nov 03 09:53	1°♂05'49		evening set	10259 Dec 31 20:42	0°≈44'55	
	10255 Jan 21 03:34	0°♂		max. Earth dist.	10260 Feb 03 22:54	22°≈21'06	2.67070 AU
	10255 Mar 07 11:35	0°♂					
asc. node	10255 Mar 24 19:17	12°♂35'07		conjunction	10260 Feb 14 03:19	28°≈52'01	-0°40'35
	10255 Apr 16 22:56	0°♄		minimum elong	10260 Feb 14 02:18	28°≈50'24	0°40'17
	10255 May 25 19:14	0°♂			10260 Feb 15 21:42	0°✠	
	10255 Jul 03 15:00	0°♂		morning rise	10260 Mar 28 23:35	27°♄20'50	
	10255 Aug 12 11:50	0°♂			10260 Apr 02 00:05	0°♂	
	10255 Sep 23 01:44	0°♂			10260 May 16 16:13	0°♂	
evening set	10255 Oct 13 11:41	14°♂13'51			10260 Jun 28 20:33	0°♂	
	10255 Nov 05 15:08	0°♄			10260 Aug 09 16:29	0°♄	
					10260 Sep 19 14:18	0°♂	
conjunction	10255 Dec 04 00:01	18°♄52'04	0°39'08		10260 Oct 30 13:43	0°♂	



asc. node	10260 Nov 13 23:09	10° $\mathbb{M}$ 16'06			10266 Apr 29 07:37	0° $\mathbb{I}$	
	10260 Dec 13 00:50	0° $\mathbb{L}$		evening set	10266 May 06 00:07	5° $\mathbb{I}$ 03'43	
	10261 Feb 09 20:26	0° $\mathbb{M}$			10266 Jun 07 07:45	0° $\mathbb{G}$	
retrograde	10261 Mar 05 06:03	3° $\mathbb{M}$ 44'17		max. Earth dist.	10266 Jun 19 07:47	9° $\mathbb{G}$ 24'59	2.36753 AU
	10261 Mar 28 00:20	30° $\mathbb{R}$ $\mathbb{L}$		asc. node	10266 Jul 06 07:46	22° $\mathbb{G}$ 50'40	
min. Earth dist.	10261 Apr 02 14:04	28° $\mathbb{L}$ 09'44	0.47748 AU				
greatest brilliancy	10261 Apr 09 09:04	25° $\mathbb{L}$ 44'11	-2.3m	conjunction	10266 Jul 10 14:40	26° $\mathbb{G}$ 14'25	0°03'09
opposition	10261 Apr 11 00:41	25° $\mathbb{L}$ 08'33	5°42'33	minimum elong	10266 Jul 10 14:23	26° $\mathbb{G}$ 13'50	0°02'43
direct	10261 May 14 11:26	18° $\mathbb{L}$ 09'33		behind sun begin	10266 Jul 09 08:31	25° $\mathbb{G}$ 14'42	
	10261 Jul 02 03:09	0° $\mathbb{M}$		behind sun end	10266 Jul 11 20:14	27° $\mathbb{G}$ 12'58	
	10261 Aug 31 03:53	0° $\mathbb{X}$			10266 Jul 15 08:33	0° $\mathbb{Q}$	
desc. node	10261 Oct 11 09:08	23° $\mathbb{X}$ 34'21			10266 Aug 22 07:33	0° $\mathbb{M}$	
	10261 Oct 22 06:54	0° $\mathbb{Z}$		morning rise	10266 Sep 22 06:36	24° $\mathbb{M}$ 02'33	
	10261 Dec 10 23:08	0° $\mathbb{A}$			10266 Sep 30 01:48	0° $\mathbb{L}$	
	10262 Jan 27 18:29	0° $\mathbb{H}$			10266 Nov 09 10:43	0° $\mathbb{M}$	
evening set	10262 Feb 04 17:27	5° $\mathbb{H}$ 06'47			10266 Dec 22 03:48	0° $\mathbb{X}$	
max. Earth dist.	10262 Feb 27 03:47	19° $\mathbb{H}$ 44'21	2.60738 AU		10267 Feb 06 02:26	0° $\mathbb{Z}$	
	10262 Mar 14 14:27	0° $\mathbb{Y}$			10267 Mar 29 12:03	0° $\mathbb{A}$	
				desc. node	10267 Jun 03 16:12	27° $\mathbb{A}$ 11'04	
conjunction	10262 Mar 22 08:09	5° $\mathbb{Y}$ 12'09	-1°05'39	retrograde	10267 Jun 24 19:13	29° $\mathbb{A}$ 39'44	
minimum elong	10262 Mar 22 07:25	5° $\mathbb{Y}$ 10'55	1°05'39	opposition	10267 Aug 03 21:50	20° $\mathbb{A}$ 14'42	-2°03'37
	10262 Apr 27 09:01	0° $\mathbb{B}$		greatest brilliancy	10267 Aug 04 00:32	20° $\mathbb{A}$ 12'03	-1.3m
morning rise	10262 May 09 06:42	8° $\mathbb{B}$ 24'13		min. Earth dist.	10267 Aug 06 00:15	19° $\mathbb{A}$ 25'09	0.67654 AU
	10262 Jun 08 04:59	0° $\mathbb{I}$		direct	10267 Sep 14 11:32	10° $\mathbb{A}$ 13'56	
	10262 Jul 18 10:16	0° $\mathbb{G}$			10267 Nov 20 19:08	0° $\mathbb{H}$	
	10262 Aug 26 13:46	0° $\mathbb{Q}$			10268 Jan 13 00:24	0° $\mathbb{Y}$	
asc. node	10262 Oct 01 18:37	27° $\mathbb{Q}$ 58'25			10268 Feb 27 02:16	0° $\mathbb{B}$	
	10262 Oct 04 09:48	0° $\mathbb{M}$			10268 Apr 08 06:55	0° $\mathbb{I}$	
	10262 Nov 13 00:18	0° $\mathbb{L}$			10268 May 17 06:42	0° $\mathbb{G}$	
	10262 Dec 25 01:14	0° $\mathbb{M}$		asc. node	10268 May 23 08:05	4° $\mathbb{G}$ 45'08	
	10263 Feb 11 14:18	0° $\mathbb{X}$			10268 Jun 24 06:29	0° $\mathbb{Q}$	
retrograde	10263 Apr 17 04:55	20° $\mathbb{X}$ 55'04		evening set	10268 Jul 16 06:41	17° $\mathbb{Q}$ 25'05	
min. Earth dist.	10263 May 21 13:14	13° $\mathbb{X}$ 09'40	0.60262 AU		10268 Aug 01 06:58	0° $\mathbb{M}$	
opposition	10263 May 26 23:57	11° $\mathbb{X}$ 00'53	3°20'44		10268 Sep 09 05:48	0° $\mathbb{L}$	
greatest brilliancy	10263 May 26 09:00	11° $\mathbb{X}$ 15'38	-1.6m				
direct	10263 Jul 03 16:56	2° $\mathbb{X}$ 20'36		conjunction	10268 Sep 23 09:55	10° $\mathbb{L}$ 37'51	1°04'21
desc. node	10263 Aug 29 13:14	16° $\mathbb{X}$ 51'14		minimum elong	10268 Sep 23 08:29	10° $\mathbb{L}$ 35'11	1°04'23
	10263 Sep 26 15:33	0° $\mathbb{Z}$			10268 Oct 19 20:21	0° $\mathbb{M}$	
	10263 Nov 20 10:43	0° $\mathbb{A}$		max. Earth dist.	10268 Nov 08 00:26	13° $\mathbb{M}$ 39'23	2.48108 AU
	10264 Jan 08 22:31	0° $\mathbb{H}$		morning rise	10268 Nov 22 19:19	23° $\mathbb{M}$ 57'56	
	10264 Feb 24 02:50	0° $\mathbb{Y}$			10268 Dec 01 14:07	0° $\mathbb{X}$	
evening set	10264 Mar 15 12:31	13° $\mathbb{Y}$ 52'28			10269 Jan 15 18:03	0° $\mathbb{Z}$	
max. Earth dist.	10264 Mar 29 14:33	23° $\mathbb{Y}$ 40'48	2.49496 AU		10269 Mar 04 16:49	0° $\mathbb{A}$	
	10264 Apr 07 13:12	0° $\mathbb{B}$		desc. node	10269 Apr 20 11:06	27° $\mathbb{A}$ 00'27	
					10269 Apr 25 23:57	0° $\mathbb{H}$	
conjunction	10264 May 06 02:23	20° $\mathbb{B}$ 39'51	-0°59'49		10269 Jul 04 11:18	0° $\mathbb{Y}$	
minimum elong	10264 May 06 04:05	20° $\mathbb{B}$ 42'58	1°00'09	retrograde	10269 Jul 31 19:48	3° $\mathbb{Y}$ 57'06	
	10264 May 18 16:28	0° $\mathbb{I}$			10269 Aug 26 00:35	30° $\mathbb{R}$ $\mathbb{H}$	
	10264 Jun 27 02:24	0° $\mathbb{G}$		opposition	10269 Sep 08 01:28	25° $\mathbb{H}$ 24'57	-4°19'18
morning rise	10264 Jul 05 02:14	6° $\mathbb{G}$ 11'57		greatest brilliancy	10269 Sep 08 21:35	25° $\mathbb{H}$ 05'46	-1.5m
	10264 Aug 04 11:53	0° $\mathbb{Q}$		min. Earth dist.	10269 Sep 13 22:33	23° $\mathbb{H}$ 10'21	0.61451 AU
asc. node	10264 Aug 18 11:47	11° $\mathbb{Q}$ 00'50		direct	10269 Oct 19 04:03	15° $\mathbb{H}$ 30'13	
	10264 Sep 11 16:19	0° $\mathbb{M}$			10269 Dec 11 15:42	0° $\mathbb{Y}$	
	10264 Oct 20 13:23	0° $\mathbb{L}$			10270 Feb 02 02:21	0° $\mathbb{B}$	
	10264 Nov 30 03:14	0° $\mathbb{M}$			10270 Mar 17 04:26	0° $\mathbb{I}$	
	10265 Jan 12 17:12	0° $\mathbb{X}$		asc. node	10270 Apr 10 09:33	18° $\mathbb{I}$ 06'41	
	10265 Mar 03 05:10	0° $\mathbb{Z}$			10270 Apr 25 21:13	0° $\mathbb{G}$	
retrograde	10265 May 21 13:59	26° $\mathbb{Z}$ 56'50			10270 Jun 03 07:16	0° $\mathbb{Q}$	
min. Earth dist.	10265 Jun 29 12:15	17° $\mathbb{Z}$ 42'56	0.67217 AU		10270 Jul 11 18:26	0° $\mathbb{M}$	
opposition	10265 Jul 01 04:52	17° $\mathbb{Z}$ 02'30	0°32'40		10270 Aug 20 06:21	0° $\mathbb{L}$	
greatest brilliancy	10265 Jul 01 04:14	17° $\mathbb{Z}$ 03'08	-1.4m	evening set	10270 Sep 22 19:25	24° $\mathbb{L}$ 31'50	
desc. node	10265 Jul 16 16:26	11° $\mathbb{Z}$ 22'39			10270 Sep 30 11:15	0° $\mathbb{M}$	
direct	10265 Aug 10 13:38	7° $\mathbb{Z}$ 27'49			10270 Nov 12 16:43	0° $\mathbb{X}$	
	10265 Oct 24 07:03	0° $\mathbb{A}$					
	10265 Dec 18 03:24	0° $\mathbb{H}$		conjunction	10270 Nov 17 02:29	2° $\mathbb{X}$ 58'50	0°52'43
	10266 Feb 03 18:42	0° $\mathbb{Y}$		minimum elong	10270 Nov 17 04:00	3° $\mathbb{X}$ 01'23	0°53'06
	10266 Mar 19 10:35	0° $\mathbb{B}$		max. Earth dist.	10270 Dec 11 04:09	19° $\mathbb{X}$ 01'58	2.60031 AU

	10270 Dec 27 22:18	0° $\text{Z}$	greatest brilliancy	10276 Mar 16 17:43	2° $\text{Z}$ 27'46	-2.6m
morning rise	10271 Jan 05 09:53	5° $\text{Z}$ 29'44	opposition	10276 Mar 18 09:58	1° $\text{Z}$ 54'48	5°46'15
	10271 Feb 12 22:15	0° $\approx$		10276 Mar 24 11:52	30° $\text{R}$ $\text{M}$	
desc. node	10271 Mar 08 04:19	14° $\approx$ 28'05	direct	10276 Apr 18 16:57	25° $\text{M}$ 52'40	
	10271 Apr 02 14:39	0° $\text{H}$		10276 May 15 04:27	0° $\text{Z}$	
	10271 May 23 18:02	0° $\text{Y}$		10276 Jul 20 05:10	0° $\text{M}$	
	10271 Jul 20 21:48	0° $\text{B}$		10276 Sep 10 08:50	0° $\text{Z}$	
retrograde	10271 Sep 19 00:21	16° $\text{B}$ 07'07	desc. node	10276 Oct 27 20:32	28° $\text{Z}$ 32'00	
opposition	10271 Oct 23 13:28	9° $\text{B}$ 07'26 -5°28'07		10276 Oct 30 06:26	0° $\text{Z}$	
greatest brilliancy	10271 Oct 25 07:05	8° $\text{B}$ 31'05 -2.1m		10276 Dec 18 01:05	0° $\approx$	
min. Earth dist.	10271 Nov 01 05:15	6° $\text{B}$ 07'02 0.49263 AU	evening set	10277 Jan 21 14:44	21° $\approx$ 44'06	
direct	10271 Nov 30 10:26	0° $\text{B}$ 32'09		10277 Feb 03 13:15	0° $\text{H}$	
	10272 Feb 15 03:35	0° $\text{II}$	max. Earth dist.	10277 Feb 17 09:54	8° $\text{H}$ 56'26 2.63843 AU	
asc. node	10272 Feb 26 13:24	7° $\text{II}$ 19'39				
	10272 Mar 30 03:11	0° $\text{G}$	conjunction	10277 Mar 07 07:27	20° $\text{H}$ 38'19 -0°58'25	
	10272 May 09 12:32	0° $\text{Q}$	minimum elong	10277 Mar 07 06:24	20° $\text{H}$ 36'35 0°58'17	
	10272 Jun 18 09:32	0° $\text{M}$		10277 Mar 21 10:34	0° $\text{Y}$	
	10272 Jul 29 03:38	0° $\text{Z}$	morning rise	10277 Apr 22 00:22	21° $\text{Y}$ 22'10	
	10272 Sep 09 12:32	0° $\text{M}$		10277 May 04 12:00	0° $\text{B}$	
	10272 Oct 23 17:24	0° $\text{Z}$		10277 Jun 15 18:25	0° $\text{II}$	
evening set	10272 Nov 09 06:36	10° $\text{Z}$ 56'26		10277 Jul 26 11:30	0° $\text{G}$	
	10272 Dec 08 13:21	0° $\text{Z}$		10277 Sep 04 02:51	0° $\text{Q}$	
				10277 Oct 13 11:13	0° $\text{M}$	
conjunction	10272 Dec 26 20:58	11° $\text{Z}$ 46'17 0°14'18	asc. node	10277 Oct 18 12:06	3° $\text{M}$ 48'48	
minimum elong	10272 Dec 26 21:27	11° $\text{Z}$ 47'04 0°14'45		10277 Nov 22 19:11	0° $\text{Z}$	
behind sun begin	10272 Dec 26 14:18	11° $\text{Z}$ 35'37		10278 Jan 05 14:31	0° $\text{M}$	
behind sun end	10272 Dec 27 04:37	11° $\text{Z}$ 58'30		10278 Mar 05 16:13	0° $\text{Z}$	
max. Earth dist.	10273 Jan 04 00:02	16° $\text{Z}$ 57'52 2.66819 AU	retrograde	10278 Apr 01 20:52	4° $\text{Z}$ 41'20	
desc. node	10273 Jan 22 22:33	29° $\text{Z}$ 00'50		10278 Apr 27 14:57	30° $\text{R}$ $\text{M}$	
	10273 Jan 24 11:51	0° $\approx$	min. Earth dist.	10278 May 04 00:09	27° $\text{M}$ 41'28 0.55898 AU	
morning rise	10273 Feb 09 10:18	10° $\approx$ 05'27	opposition	10278 May 10 19:50	25° $\text{M}$ 03'24 4°24'50	
	10273 Mar 12 23:30	0° $\text{H}$	greatest brilliancy	10278 May 09 19:11	25° $\text{M}$ 27'16 -1.8m	
	10273 Apr 29 16:13	0° $\text{Y}$	direct	10278 Jun 16 01:40	16° $\text{M}$ 55'26	
	10273 Jun 16 16:04	0° $\text{B}$		10278 Aug 07 22:23	0° $\text{Z}$	
	10273 Aug 04 18:36	0° $\text{II}$	desc. node	10278 Sep 15 01:34	18° $\text{Z}$ 03'16	
	10273 Sep 27 11:53	0° $\text{G}$		10278 Oct 07 09:22	0° $\text{Z}$	
retrograde	10273 Nov 30 01:27	19° $\text{G}$ 25'57		10278 Nov 28 10:35	0° $\approx$	
opposition	10273 Dec 29 22:12	14° $\text{G}$ 29'00 -1°08'20		10279 Jan 16 02:15	0° $\text{H}$	
greatest brilliancy	10273 Dec 30 03:27	14° $\text{G}$ 25'26 -3.0m	evening set	10279 Feb 28 04:10	28° $\text{H}$ 03'20	
min. Earth dist.	10274 Jan 02 03:56	13° $\text{G}$ 36'21 0.37176 AU		10279 Mar 03 01:50	0° $\text{Y}$	
asc. node	10274 Jan 13 17:13	10° $\text{G}$ 49'46	max. Earth dist.	10279 Mar 16 19:45	9° $\text{Y}$ 18'06 2.54414 AU	
direct	10274 Jan 29 12:18	9° $\text{G}$ 11'42		10279 Apr 15 14:33	0° $\text{B}$	
	10274 Apr 01 13:43	0° $\text{Q}$				
	10274 May 20 05:40	0° $\text{M}$	conjunction	10279 Apr 17 15:29	1° $\text{B}$ 26'41 -1°07'28	
	10274 Jul 04 10:01	0° $\text{Z}$	minimum elong	10279 Apr 17 15:59	1° $\text{B}$ 27'34 1°07'41	
	10274 Aug 18 16:24	0° $\text{M}$		10279 May 26 23:35	0° $\text{II}$	
	10274 Oct 03 21:00	0° $\text{Z}$	morning rise	10279 Jun 10 14:10	10° $\text{II}$ 55'06	
	10274 Nov 19 23:01	0° $\text{Z}$		10279 Jul 05 16:00	0° $\text{G}$	
desc. node	10274 Dec 10 19:02	13° $\text{Z}$ 10'24		10279 Aug 13 07:09	0° $\text{Q}$	
evening set	10274 Dec 17 22:19	17° $\text{Z}$ 40'54	asc. node	10279 Sep 05 07:01	18° $\text{Q}$ 00'08	
	10275 Jan 06 10:09	0° $\approx$		10279 Sep 20 15:50	0° $\text{M}$	
max. Earth dist.	10275 Jan 26 03:53	12° $\approx$ 30'19 2.68074 AU		10279 Oct 29 16:34	0° $\text{Z}$	
				10279 Dec 09 13:19	0° $\text{M}$	
conjunction	10275 Jan 31 12:37	15° $\approx$ 54'45 -0°26'38		10280 Jan 23 01:28	0° $\text{Z}$	
minimum elong	10275 Jan 31 11:53	15° $\approx$ 53'34 0°26'16		10280 Mar 16 23:35	0° $\text{Z}$	
	10275 Feb 22 14:41	0° $\text{H}$	retrograde	10280 May 08 06:08	13° $\text{Z}$ 50'22	
morning rise	10275 Mar 15 22:39	13° $\text{H}$ 43'06	min. Earth dist.	10280 Jun 14 13:21	5° $\text{Z}$ 07'00 0.65259 AU	
	10275 Apr 09 23:41	0° $\text{Y}$	opposition	10280 Jun 17 17:31	3° $\text{Z}$ 51'08 1°36'54	
	10275 May 25 05:53	0° $\text{B}$	greatest brilliancy	10280 Jun 17 13:23	3° $\text{Z}$ 55'15 -1.4m	
	10275 Jul 08 07:44	0° $\text{II}$		10280 Jun 27 20:09	30° $\text{R}$ $\text{Z}$	
	10275 Aug 20 08:18	0° $\text{G}$	direct	10280 Jul 27 05:27	24° $\text{Z}$ 33'49	
	10275 Oct 01 20:35	0° $\text{Q}$	desc. node	10280 Aug 02 05:31	24° $\text{Z}$ 46'41	
	10275 Nov 14 12:21	0° $\text{M}$		10280 Aug 28 20:21	0° $\text{Z}$	
asc. node	10275 Dec 01 16:48	10° $\text{M}$ 59'10		10280 Nov 04 08:46	0° $\approx$	
	10276 Jan 05 21:52	0° $\text{Z}$		10280 Dec 26 06:52	0° $\text{H}$	
retrograde	10276 Feb 12 22:02	9° $\text{Z}$ 16'16		10281 Feb 11 04:18	0° $\text{Y}$	
min. Earth dist.	10276 Mar 10 06:36	4° $\text{Z}$ 33'53 0.42315 AU		10281 Mar 26 16:32	0° $\text{B}$	

evening set	10281 Apr 13 19:41	13°♄05'04			10286 Feb 20 01:18	0°♁	
max. Earth dist.	10281 Apr 30 18:38	25°♄36'33	2.41185 AU	desc. node	10286 Mar 24 20:08	20°♁01'39	
	10281 May 06 15:20	0°♂			10286 Apr 10 15:41	0°♄	
					10286 Jun 03 18:31	0°♃	
conjunction	10281 Jun 12 00:13	27°♂50'37	-0°28'38	retrograde	10286 Aug 28 19:59	28°♃21'11	
minimum elong	10281 Jun 12 02:32	27°♂55'07	0°29'05	opposition	10286 Oct 04 01:41	20°♃38'46	-5°17'07
	10281 Jun 14 18:42	0°♄		greatest brilliancy	10286 Oct 05 12:36	20°♃06'45	-1.9m
	10281 Jul 22 22:15	0°♂		min. Earth dist.	10286 Oct 11 22:12	17°♃46'21	0.54629 AU
asc. node	10281 Jul 23 01:10	0°♂05'44		direct	10286 Nov 12 15:57	11°♃18'21	
morning rise	10281 Aug 21 22:20	23°♂42'14			10287 Jan 11 11:04	0°♄	
	10281 Aug 29 22:36	0°♄			10287 Feb 28 15:32	0°♂	
	10281 Oct 07 16:41	0°♄		asc. node	10287 Mar 15 05:08	10°♂17'06	
	10281 Nov 17 01:19	0°♄			10287 Apr 10 22:34	0°♄	
	10281 Dec 29 21:57	0°♄			10287 May 20 04:21	0°♂	
	10282 Feb 14 14:41	0°♄			10287 Jun 28 06:46	0°♄	
	10282 Apr 10 14:23	0°♁			10287 Aug 07 09:04	0°♄	
retrograde	10282 Jun 11 07:46	17°♁11'55			10287 Sep 18 03:49	0°♄	
desc. node	10282 Jun 20 06:10	16°♁41'33		evening set	10287 Oct 24 02:12	24°♄45'00	
opposition	10282 Jul 21 18:42	7°♁32'45	-1°05'00		10287 Oct 31 21:07	0°♄	
greatest brilliancy	10282 Jul 21 18:43	7°♁32'44	-1.3m				
min. Earth dist.	10282 Jul 22 09:24	7°♁18'13	0.68281 AU	conjunction	10287 Dec 12 23:40	27°♄47'23	0°30'15
	10282 Aug 12 19:36	30°♄		minimum elong	10287 Dec 13 00:41	27°♄49'02	0°30'43
direct	10282 Sep 01 01:14	27°♄39'02			10287 Dec 16 09:25	0°♄	
	10282 Sep 21 17:08	0°♁		max. Earth dist.	10287 Dec 26 21:27	6°♄47'09	2.64804 AU
	10282 Dec 02 15:15	0°♄		morning rise	10288 Jan 27 21:24	27°♄13'42	
	10283 Jan 21 16:16	0°♃			10288 Feb 01 06:24	0°♁	
	10283 Mar 06 23:47	0°♄		desc. node	10288 Feb 09 13:02	5°♁13'46	
	10283 Apr 16 23:39	0°♂			10288 Mar 20 01:41	0°♄	
	10283 May 25 22:27	0°♄			10288 May 07 16:44	0°♃	
asc. node	10283 Jun 09 23:01	11°♄49'16			10288 Jun 26 20:07	0°♄	
evening set	10283 Jun 17 00:32	17°♄24'24			10288 Aug 20 18:43	0°♂	
	10283 Jul 02 21:41	0°♂		retrograde	10288 Oct 29 04:39	21°♂15'34	
	10283 Aug 09 20:42	0°♄		opposition	10288 Nov 29 14:22	15°♂38'25	-4°00'58
				greatest brilliancy	10288 Nov 30 20:31	15°♂15'45	-2.7m
conjunction	10283 Aug 27 17:13	13°♄54'59	0°50'14	min. Earth dist.	10288 Dec 07 00:38	13°♂25'15	0.40850 AU
minimum elong	10283 Aug 27 13:38	13°♄48'04	0°50'01	direct	10289 Jan 02 05:32	9°♂01'45	
	10283 Sep 17 16:41	0°♄		asc. node	10289 Jan 30 07:31	14°♂13'13	
max. Earth dist.	10283 Oct 19 11:25	23°♄41'23	2.42507 AU		10289 Mar 04 14:47	0°♄	
	10283 Oct 28 03:39	0°♄			10289 Apr 20 07:13	0°♂	
morning rise	10283 Nov 02 13:17	3°♄53'34			10289 Jun 01 23:42	0°♄	
	10283 Dec 09 19:10	0°♄			10289 Jul 14 13:56	0°♄	
	10284 Jan 24 02:16	0°♄			10289 Aug 27 07:20	0°♄	
	10284 Mar 12 20:25	0°♁			10289 Oct 11 12:08	0°♄	
desc. node	10284 May 07 02:50	29°♁47'43			10289 Nov 26 23:26	0°♄	
	10284 May 07 13:10	0°♄		evening set	10289 Dec 03 12:34	4°♄10'51	
retrograde	10284 Jul 16 04:43	20°♄17'18		desc. node	10289 Dec 27 09:05	19°♄21'24	
opposition	10284 Aug 24 08:18	11°♄20'53	-3°30'18		10290 Jan 13 03:41	0°♁	
greatest brilliancy	10284 Aug 24 20:00	11°♄09'34	-1.4m				
min. Earth dist.	10284 Aug 28 18:13	9°♄38'15	0.64688 AU	conjunction	10290 Jan 17 21:45	3°♁00'48	-0°11'21
direct	10284 Oct 04 20:52	1°♄18'22		minimum elong	10290 Jan 17 21:25	3°♁00'17	0°10'56
	10284 Dec 26 02:43	0°♃		behind sun begin	10290 Jan 17 07:45	2°♁38'38	
	10285 Feb 11 23:25	0°♄		behind sun end	10290 Jan 18 11:05	3°♁21'55	
	10285 Mar 25 23:48	0°♂		max. Earth dist.	10290 Jan 17 16:03	2°♁51'47	2.68230 AU
asc. node	10285 Apr 27 01:48	24°♂24'09			10290 Mar 01 09:13	0°♄	
	10285 May 04 06:40	0°♄		morning rise	10290 Mar 02 09:47	0°♄39'09	
	10285 Jun 11 10:33	0°♂			10290 Apr 17 03:35	0°♃	
	10285 Jul 19 15:43	0°♄			10290 Jun 02 04:52	0°♄	
	10285 Aug 27 20:43	0°♄			10290 Jul 17 13:29	0°♂	
evening set	10285 Aug 29 20:44	1°♄30'01			10290 Aug 31 12:53	0°♄	
	10285 Oct 07 18:17	0°♄			10290 Oct 16 09:22	0°♂	
					10290 Dec 08 20:35	0°♄	
conjunction	10285 Oct 29 04:24	15°♄08'44	1°02'44	asc. node	10290 Dec 18 09:36	3°♄53'24	
minimum elong	10285 Oct 29 05:35	15°♄10'48	1°03'03	retrograde	10291 Jan 18 11:04	10°♄06'05	
	10285 Nov 19 17:32	0°♄		min. Earth dist.	10291 Feb 13 14:26	5°♄48'27	0.38017 AU
max. Earth dist.	10285 Nov 30 01:18	6°♄59'28	2.55924 AU	greatest brilliancy	10291 Feb 18 02:50	4°♄30'57	-2.9m
morning rise	10285 Dec 20 20:12	20°♄50'11		opposition	10291 Feb 19 01:56	4°♄14'19	4°22'33
	10286 Jan 03 20:21	0°♄			10291 Mar 09 00:44	30°♄	

direct	10291 Mar 20 17:23	29°Ω05'54		conjunction	10296 May 18 07:55	3°Π17'35	-0°51'28
	10291 Apr 01 10:27	0°Π		minimum elong	10296 May 18 10:12	3°Π21'53	0°51'52
	10291 Jun 12 17:40	0°Ω			10296 Jun 22 06:13	0°Ω	
	10291 Aug 02 12:58	0°Π		morning rise	10296 Jul 21 08:55	22°Ω46'03	
	10291 Sep 20 08:35	0°♂			10296 Jul 30 13:14	0°Ω	
	10291 Nov 07 20:06	0°Ω		asc. node	10296 Aug 08 19:48	7°Ω18'47	
desc. node	10291 Nov 14 09:04	4°Ω03'32			10296 Sep 06 15:34	0°Π	
	10291 Dec 25 23:17	0°≈			10296 Oct 15 10:27	0°Ω	
evening set	10292 Jan 08 18:22	8°≈40'38			10296 Nov 24 20:35	0°Π	
max. Earth dist.	10292 Feb 09 03:30	28°≈37'37	2.66138 AU		10297 Jan 07 01:04	0°♂	
	10292 Feb 11 06:51	0°♂			10297 Feb 24 02:11	0°Ω	
					10297 Apr 29 19:04	0°≈	
conjunction	10292 Feb 22 01:40	6°♂56'49	-0°47'54	retrograde	10297 May 29 03:41	4°≈44'07	
minimum elong	10292 Feb 22 00:35	6°♂55'03	0°47'40		10297 Jun 25 04:56	30°♂	
	10292 Mar 28 07:15	0°Υ		desc. node	10297 Jul 06 19:31	25°Ω40'28	
morning rise	10292 Apr 06 09:33	6°Υ03'07		opposition	10297 Jul 08 18:09	24°Ω54'08	-0°04'05
	10292 May 11 17:52	0°♂		min. Earth dist.	10297 Jul 07 21:04	25°Ω15'05	0.67887 AU
	10292 Jun 23 13:54	0°Π		greatest brilliancy	10297 Jul 08 18:09	24°Ω54'08	-1.3m
	10292 Aug 03 23:11	0°Ω		direct	10297 Aug 18 11:57	15°Ω11'36	
	10292 Sep 13 08:04	0°Ω			10297 Oct 15 06:23	0°≈	
	10292 Oct 23 13:12	0°Π			10297 Dec 12 07:04	0°♂	
asc. node	10292 Nov 04 07:01	8°Π37'48			10298 Jan 29 16:03	0°Υ	
	10292 Dec 04 08:13	0°Ω			10298 Mar 14 13:27	0°♂	
	10293 Jan 21 21:41	0°Π			10298 Apr 24 11:58	0°Π	
retrograde	10293 Mar 15 21:33	16°Π06'17		evening set	10298 May 20 00:31	19°Π30'36	
min. Earth dist.	10293 Apr 14 14:02	9°Π59'55	0.50770 AU		10298 Jun 02 11:56	0°Ω	
greatest brilliancy	10293 Apr 21 03:04	7°Π34'34	-2.1m	asc. node	10298 Jun 26 16:57	19°Ω03'47	
opposition	10293 Apr 22 13:59	7°Π02'02	5°20'30		10298 Jul 10 12:07	0°Ω	
	10293 May 19 06:45	30°♂					
direct	10293 May 27 02:32	29°Ω35'37		conjunction	10298 Jul 27 20:59	13°Ω46'08	0°22'16
	10293 Jun 04 03:06	0°Π		minimum elong	10298 Jul 27 18:35	13°Ω41'23	0°21'52
	10293 Aug 23 11:39	0°♂			10298 Aug 17 10:44	0°Π	
desc. node	10293 Oct 01 12:45	21°♂21'12		max. Earth dist.	10298 Sep 07 07:26	16°Π16'15	2.37289 AU
	10293 Oct 16 14:23	0°Ω			10298 Sep 25 04:44	0°Ω	
	10293 Dec 05 23:38	0°≈		morning rise	10298 Oct 08 07:58	9°Ω55'30	
	10294 Jan 23 01:44	0°♂			10298 Nov 04 12:59	0°Π	
evening set	10294 Feb 12 23:53	13°♂29'53			10298 Dec 17 03:42	0°♂	
max. Earth dist.	10294 Mar 05 05:06	26°♂49'35	2.58674 AU		10299 Jan 31 17:33	0°Ω	
	10294 Mar 09 23:07	0°Υ			10299 Mar 22 19:27	0°≈	
				desc. node	10299 May 24 17:26	29°≈46'58	
conjunction	10294 Mar 31 09:59	14°Υ32'46	-1°07'57		10299 May 25 08:32	0°♂	
minimum elong	10294 Mar 31 09:36	14°Υ32'07	1°08'01	retrograde	10299 Jul 02 17:54	7°♂23'00	
	10294 Apr 22 15:42	0°♂			10299 Aug 06 16:38	30°♂	
morning rise	10294 May 20 02:35	19°♂36'50		opposition	10299 Aug 11 13:32	28°≈07'03	-2°36'41
	10294 Jun 03 07:48	0°Π		greatest brilliancy	10299 Aug 11 18:50	28°≈01'52	-1.3m
	10294 Jul 13 08:16	0°Ω		min. Earth dist.	10299 Aug 14 11:36	26°≈58'25	0.66880 AU
	10294 Aug 21 06:49	0°Ω		direct	10299 Sep 22 04:23	18°≈04'06	
asc. node	10294 Sep 22 00:20	24°Ω39'17			10299 Nov 10 19:30	0°♂	
	10294 Sep 28 22:00	0°Π			10300 Jan 06 20:33	0°Υ	
	10294 Nov 07 05:48	0°Ω			10300 Feb 21 17:17	0°♂	
	10294 Dec 18 16:15	0°Π			10300 Apr 04 04:13	0°Π	
	10295 Feb 03 00:54	0°♂			10300 May 13 06:19	0°Ω	
retrograde	10295 Apr 25 10:43	29°♂53'28		asc. node	10300 May 14 16:28	1°Ω06'47	
min. Earth dist.	10295 May 30 21:35	21°♂45'43	0.62312 AU		10300 Jun 20 07:14	0°Ω	
opposition	10295 Jun 04 13:00	19°♂55'15	2°42'38		10300 Jul 28 08:56	0°Π	
greatest brilliancy	10295 Jun 04 02:40	20°♂05'30	-1.5m	evening set	10300 Aug 03 02:59	4°Π29'03	
direct	10295 Jul 12 22:30	11°♂00'18			10300 Sep 05 09:15	0°Ω	
desc. node	10295 Aug 19 17:19	18°♂08'07					
	10295 Sep 18 03:54	0°Ω		conjunction	10300 Oct 08 07:01	24°Ω23'13	1°06'31
	10295 Nov 14 16:46	0°≈		minimum elong	10300 Oct 08 06:52	24°Ω22'57	1°06'40
	10296 Jan 03 22:32	0°♂			10300 Oct 16 01:13	0°Π	
	10296 Feb 19 08:58	0°Υ		max. Earth dist.	10300 Nov 17 21:54	23°Π11'21	2.51057 AU
evening set	10296 Mar 25 10:56	24°Υ03'45			10300 Nov 27 19:43	0°♂	
	10296 Apr 02 20:26	0°♂		morning rise	10300 Dec 04 13:18	4°♂34'58	
max. Earth dist.	10296 Apr 07 24:00	3°♂40'25	2.46585 AU		10301 Jan 11 21:30	0°Ω	
	10296 May 13 22:33	0°Π			10301 Feb 28 11:13	0°≈	
				desc. node	10301 Apr 11 12:03	24°≈55'44	

	10301 Apr 20 11:26	0°♄		10306 Mar 06 21:04	0°♈	
	10301 Jun 19 16:17	0°♊		10306 May 11 02:25	0°♎	
retrograde	10301 Aug 11 09:19	12°♊41'48		10306 Jun 28 04:02	0°♊	
opposition	10301 Sep 17 23:45	4°♊25'17 -4°44'03		10306 Aug 13 17:33	0°♌	
greatest brilliancy	10301 Sep 19 01:12	4°♊01'15 -1.6m		10306 Sep 29 15:28	0°♌	
min. Earth dist.	10301 Sep 24 14:49	1°♊55'09 0.59278 AU		10306 Nov 16 03:09	0°♍	
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direct	10301 Oct 28 16:20	24°♋38'45	evening set	10306 Dec 26 21:53	25°♍39'31	
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	10302 Jan 26 23:14	0°♋	max. Earth dist.	10307 Feb 01 04:43	18°♎37'15 2.67625 AU	
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evening set	10302 Oct 05 20:57	6°♌31'52		10307 Jul 03 18:52	0°♌	
	10302 Nov 08 23:05	0°♌		10307 Aug 15 02:41	0°♍	
				10307 Sep 25 14:52	0°♈	
conjunction	10302 Nov 27 22:22	12°♌42'50 0°45'07		10307 Nov 06 11:10	0°♎	
minimum elong	10302 Nov 27 23:48	12°♌45'13 0°45'34	asc. node	10307 Nov 23 00:44	11°♎25'59	
max. Earth dist.	10302 Dec 18 02:45	26°♌00'21 2.61963 AU		10307 Dec 22 00:20	0°♊	
	10302 Dec 24 05:53	0°♍	retrograde	10308 Feb 26 11:32	24°♊08'34	
morning rise	10303 Jan 14 19:22	13°♍54'26	min. Earth dist.	10308 Mar 24 18:25	18°♊59'01 0.45275 AU	
	10303 Feb 09 03:31	0°♎	greatest brilliancy	10308 Mar 31 13:42	16°♊38'39 -2.4m	
desc. node	10303 Feb 27 05:37	11°♎20'19	opposition	10308 Apr 02 07:12	16°♊02'39 5°52'04	
	10303 Mar 29 10:12	0°♋	direct	10308 May 04 19:37	9°♊28'09	
	10303 May 18 09:58	0°♊		10308 Jul 11 04:48	0°♌	
	10303 Jul 11 09:09	0°♋		10308 Sep 04 21:26	0°♌	
retrograde	10303 Oct 03 12:15	27°♋59'30	desc. node	10308 Oct 19 00:28	25°♌51'29	
opposition	10303 Nov 06 01:29	21°♋27'15 -5°15'50		10308 Oct 25 22:41	0°♍	
greatest brilliancy	10303 Nov 07 19:03	20°♋52'25 -2.3m		10308 Dec 14 05:14	0°♎	
min. Earth dist.	10303 Nov 14 18:55	18°♋33'19 0.46180 AU	evening set	10309 Jan 30 14:44	29°♎48'13	
direct	10303 Dec 12 15:11	13°♋27'45		10309 Jan 30 22:05	0°♋	
	10304 Feb 04 10:49	0°♌	max. Earth dist.	10309 Feb 24 00:13	15°♋35'23 2.62234 AU	
asc. node	10304 Feb 17 23:37	7°♌38'32				
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	10304 May 03 22:09	0°♈	minimum elong	10309 Mar 16 16:53	29°♋15'33 1°03'04	
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evening set	10304 Nov 19 08:41	19°♌58'03		10309 Jul 22 06:42	0°♍	
	10304 Dec 04 21:16	0°♍		10309 Aug 30 15:21	0°♈	
				10309 Oct 08 16:04	0°♎	
conjunction	10305 Jan 05 00:17	19°♍54'57 0°04'48	asc. node	10309 Oct 09 20:42	0°♎54'45	
minimum elong	10305 Jan 05 00:27	19°♍55'13 0°05'15		10309 Nov 17 11:59	0°♊	
behind sun begin	10305 Jan 04 06:29	19°♍26'38		10309 Dec 30 00:52	0°♌	
behind sun end	10305 Jan 05 18:25	20°♍23'48		10310 Feb 18 21:50	0°♌	
max. Earth dist.	10305 Jan 10 02:53	23°♍09'57 2.67557 AU	retrograde	10310 Apr 11 19:00	14°♌39'48	
desc. node	10305 Jan 13 23:50	25°♍37'40	min. Earth dist.	10310 May 15 04:10	7°♌13'45 0.58409 AU	
	10305 Jan 20 21:02	0°♎	greatest brilliancy	10310 May 20 10:56	5°♌09'41 -1.7m	
morning rise	10305 Feb 18 01:22	17°♎51'22	opposition	10310 May 21 05:57	4°♌51'02 3°48'26	
	10305 Mar 09 05:47	0°♋		10310 Jun 03 21:02	30°♌♌	
	10305 Apr 25 13:01	0°♊	direct	10310 Jun 27 07:25	26°♌24'19	
	10305 Jun 11 16:46	0°♋		10310 Jul 22 23:41	0°♌	
	10305 Jul 29 01:11	0°♌	desc. node	10310 Sep 06 04:49	17°♌19'23	
	10305 Sep 15 21:40	0°♍		10310 Oct 01 12:59	0°♍	
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retrograde	10305 Dec 19 18:52	7°♈45'21		10311 Jan 12 05:52	0°♋	
asc. node	10306 Jan 05 00:59	6°♈05'03		10311 Feb 27 09:18	0°♊	
opposition	10306 Jan 18 13:21	2°♈48'48 1°03'46	evening set	10311 Mar 10 06:52	7°♊21'12	
min. Earth dist.	10306 Jan 18 10:44	2°♈50'32 0.36483 AU	max. Earth dist.	10311 Mar 25 09:11	17°♊42'50 2.51764 AU	
greatest brilliancy	10306 Jan 18 12:20	2°♈49'29 -3.1m		10311 Apr 11 21:55	0°♋	
	10306 Jan 29 22:25	30°♋♍				
direct	10306 Feb 16 22:44	27°♍54'33	conjunction	10311 Apr 29 07:47	12°♋28'20 -1°04'07	



































































































































minimum elong	10311 Apr 29 08:56	12°♄30'26	1°04'24	opposition	10316 Sep 02 14:51	19°♄45'45	-3°59'28
	10311 May 23 04:46	0°♄		greatest brilliancy	10316 Sep 03 07:04	19°♄30'09	-1.5m
morning rise	10311 Jun 25 09:24	25°♄05'58		min. Earth dist.	10316 Sep 07 19:54	17°♄45'23	0.63015 AU
	10311 Jul 01 18:20	0°♄		direct	10316 Oct 13 22:16	9°♄46'29	
	10311 Aug 09 06:32	0°♄			10316 Dec 18 15:31	0°♄	
asc. node	10311 Aug 27 13:59	14°♄22'31			10317 Feb 06 19:36	0°♄	
	10311 Sep 16 12:36	0°♄			10317 Mar 21 10:42	0°♄	
	10311 Oct 25 10:23	0°♄		asc. node	10317 Apr 18 10:04	21°♄04'34	
	10311 Dec 05 01:12	0°♄			10317 Apr 29 23:41	0°♄	
	10312 Jan 17 20:47	0°♄			10317 Jun 07 06:54	0°♄	
	10312 Mar 08 13:22	0°♄			10317 Jul 15 14:49	0°♄	
retrograde	10312 May 16 22:45	21°♄55'27			10317 Aug 23 22:41	0°♄	
min. Earth dist.	10312 Jun 24 03:23	12°♄54'54	0.66460 AU	evening set	10317 Sep 13 19:38	15°♄26'48	
opposition	10312 Jun 26 12:14	11°♄58'15	0°59'05		10317 Oct 03 22:52	0°♄	
greatest brilliancy	10312 Jun 26 10:25	12°♄00'03	-1.4m				
desc. node	10312 Jul 24 08:04	3°♄27'18		conjunction	10317 Nov 10 04:45	26°♄02'16	0°57'30
direct	10312 Aug 05 11:55	2°♄30'58		minimum elong	10317 Nov 10 06:13	26°♄04'47	0°57'53
	10312 Oct 29 07:53	0°♄			10317 Nov 16 00:09	0°♄	
	10312 Dec 21 21:04	0°♄		max. Earth dist.	10317 Dec 07 15:36	14°♄33'29	2.58285 AU
	10313 Feb 07 06:02	0°♄		morning rise	10317 Dec 30 20:43	29°♄49'49	
	10313 Mar 22 21:47	0°♄			10317 Dec 31 02:58	0°♄	
evening set	10313 Apr 26 21:57	25°♄32'30			10318 Feb 16 03:45	0°♄	
	10313 May 02 20:44	0°♄		desc. node	10318 Mar 15 21:18	17°♄08'48	
max. Earth dist.	10313 May 21 04:55	13°♄56'11	2.38440 AU		10318 Apr 06 03:35	0°♄	
	10313 Jun 10 23:01	0°♄			10318 May 28 07:05	0°♄	
					10318 Jul 30 14:40	0°♄	
conjunction	10313 Jun 28 14:48	13°♄51'10	-0°11'24	retrograde	10318 Sep 10 09:44	8°♄35'55	
minimum elong	10313 Jun 28 15:59	13°♄53'29	0°11'52	opposition	10318 Oct 15 17:55	1°♄15'49	-5°26'50
behind sun begin	10313 Jun 27 19:50	13°♄13'48		greatest brilliancy	10318 Oct 17 09:09	0°♄40'39	-2.0m
behind sun end	10313 Jun 29 12:09	14°♄33'12			10318 Oct 19 06:20	30°♄	
asc. node	10313 Jul 14 09:10	26°♄18'21		min. Earth dist.	10318 Oct 24 03:02	28°♄16'31	0.51720 AU
	10313 Jul 19 01:07	0°♄		direct	10318 Nov 23 11:01	22°♄17'35	
	10313 Aug 26 00:20	0°♄			10318 Dec 29 04:41	0°♄	
morning rise	10313 Sep 09 20:25	11°♄35'58			10319 Feb 21 20:43	0°♄	
	10313 Oct 03 17:42	0°♄		asc. node	10319 Mar 06 13:39	8°♄34'40	
	10313 Nov 13 01:01	0°♄			10319 Apr 05 10:35	0°♄	
	10313 Dec 25 17:39	0°♄			10319 May 15 05:54	0°♄	
	10314 Feb 09 20:28	0°♄			10319 Jun 23 17:03	0°♄	
	10314 Apr 03 06:48	0°♄			10319 Aug 03 02:40	0°♄	
desc. node	10314 Jun 11 08:32	24°♄23'39			10319 Sep 14 03:39	0°♄	
retrograde	10314 Jun 20 00:28	24°♄50'10			10319 Oct 28 02:04	0°♄	
opposition	10314 Jul 30 06:42	15°♄18'26	-1°39'42	evening set	10319 Nov 04 01:52	4°♄39'47	
greatest brilliancy	10314 Jul 30 07:54	15°♄17'15	-1.3m		10319 Dec 12 17:26	0°♄	
min. Earth dist.	10314 Jul 31 16:48	14°♄44'46	0.68059 AU				
direct	10314 Sep 09 17:17	5°♄20'24		conjunction	10319 Dec 22 14:18	6°♄22'09	0°21'00
	10314 Nov 26 06:35	0°♄		minimum elong	10319 Dec 22 15:01	6°♄23'18	0°21'29
	10315 Jan 17 01:25	0°♄		max. Earth dist.	10320 Jan 02 04:49	13°♄10'42	2.66031 AU
	10315 Mar 02 20:47	0°♄			10320 Jan 28 14:33	0°♄	
	10315 Apr 13 00:36	0°♄		desc. node	10320 Jan 31 14:52	1°♄54'36	
	10315 May 22 00:46	0°♄		morning rise	10320 Feb 05 16:06	5°♄06'30	
asc. node	10315 Jun 01 08:48	8°♄07'08			10320 Mar 16 04:55	0°♄	
	10315 Jun 29 00:22	0°♄			10320 May 03 06:23	0°♄	
evening set	10315 Jul 04 21:26	4°♄39'44			10320 Jun 21 01:48	0°♄	
	10315 Aug 05 23:43	0°♄			10320 Aug 11 01:51	0°♄	
					10320 Oct 12 04:33	0°♄	
conjunction	10315 Sep 13 18:53	29°♄57'14	1°00'00	retrograde	10320 Nov 16 16:19	6°♄54'45	
minimum elong	10315 Sep 13 16:21	29°♄52'27	0°59'57	opposition	10320 Dec 17 00:45	1°♄44'00	-2°35'36
	10315 Sep 13 20:20	0°♄		greatest brilliancy	10320 Dec 17 17:10	1°♄32'24	-2.9m
	10315 Oct 24 07:49	0°♄		min. Earth dist.	10320 Dec 22 12:12	0°♄11'17	0.38500 AU
max. Earth dist.	10315 Nov 02 05:39	6°♄24'22	2.45618 AU		10320 Dec 23 04:32	30°♄	
morning rise	10315 Nov 15 23:30	16°♄08'48		direct	10321 Jan 17 22:27	25°♄54'29	
	10315 Dec 05 22:58	0°♄		asc. node	10321 Jan 21 17:54	26°♄00'38	
	10316 Jan 20 02:13	0°♄			10321 Feb 11 16:51	0°♄	
	10316 Mar 08 06:27	0°♄			10321 Apr 11 09:38	0°♄	
desc. node	10316 Apr 28 04:18	28°♄44'09			10321 May 26 12:37	0°♄	
	10316 Apr 30 14:47	0°♄			10321 Jul 09 07:16	0°♄	
retrograde	10316 Jul 25 23:11	28°♄29'22			10321 Aug 22 18:08	0°♄	

	10321 Oct 07 10:29	0°♊			10326 Sep 24 14:51	0°♎		
	10321 Nov 23 04:55	0°♋			10326 Nov 02 17:33	0°♌		
evening set	10321 Dec 12 20:13	12°♋27'59			10326 Dec 13 17:35	0°♍		
desc. node	10321 Dec 18 10:43	16°♋01'06			10327 Jan 27 18:04	0°♊		
	10322 Jan 09 12:43	0°♌			10327 Mar 26 04:52	0°♋		
max. Earth dist.	10322 Jan 23 15:19	8°♌56'24	2.68255 AU	retrograde	10327 May 04 10:23	8°♋29'02		
					10327 Jun 09 23:13	30°♌♊		
conjunction	10322 Jan 26 17:25	10°♌53'52	-0°20'27	min. Earth dist.	10327 Jun 09 22:11	0°♋01'02	0.64059 AU	
minimum elong	10322 Jan 26 16:49	10°♌52'56	0°20'04	opposition	10327 Jun 13 18:22	28°♊29'17	2°04'14	
	10322 Feb 25 17:45	0°♌		greatest brilliancy	10327 Jun 13 11:52	28°♊35'45	-1.5m	
morning rise	10322 Mar 11 02:33	8°♌33'36		direct	10327 Jul 22 19:02	19°♊21'27		
	10322 Apr 13 07:01	0°♍		desc. node	10327 Aug 10 20:44	21°♊22'03		
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	10322 Jul 12 12:23	0°♌			10327 Nov 09 14:24	0°♌		
	10322 Aug 25 07:17	0°♌			10327 Dec 30 19:25	0°♌		
	10322 Oct 07 22:39	0°♌			10328 Feb 15 13:19	0°♍		
	10322 Nov 22 23:30	0°♎			10328 Mar 30 02:42	0°♌		
asc. node	10322 Dec 09 18:27	9°♎39'46		evening set	10328 Apr 06 03:06	5°♌00'50		
retrograde	10323 Feb 03 08:47	27°♎31'16		max. Earth dist.	10328 Apr 20 16:34	15°♌34'11	2.43589 AU	
min. Earth dist.	10323 Mar 01 06:49	23°♎05'44	0.40155 AU		10328 May 10 04:03	0°♌		
greatest brilliancy	10323 Mar 07 03:31	21°♎17'31	-2.7m					
opposition	10323 Mar 08 14:42	20°♎50'16	5°24'34	conjunction	10328 Jun 01 18:15	17°♌07'55	-0°39'44	
direct	10323 Apr 08 00:39	15°♎14'07		minimum elong	10328 Jun 01 20:47	17°♌12'48	0°40'10	
	10323 May 31 21:57	0°♌			10328 Jun 18 10:12	0°♌		
	10323 Jul 27 02:28	0°♍			10328 Jul 26 15:37	0°♌		
	10323 Sep 15 12:58	0°♊		asc. node	10328 Jul 31 03:13	3°♌32'32		
	10323 Nov 03 17:58	0°♋		morning rise	10328 Aug 08 20:06	10°♌25'08		
desc. node	10323 Nov 05 11:27	1°♋03'41			10328 Sep 02 16:32	0°♎		
	10323 Dec 22 05:40	0°♌			10328 Oct 11 10:10	0°♌		
evening set	10324 Jan 17 16:08	16°♌36'58			10328 Nov 20 17:54	0°♍		
	10324 Feb 07 16:19	0°♌			10329 Jan 02 15:22	0°♊		
max. Earth dist.	10324 Feb 15 11:05	5°♌00'19	2.64979 AU		10329 Feb 18 16:45	0°♋		
					10329 Apr 17 01:04	0°♌		
conjunction	10324 Mar 02 03:02	15°♌10'00	-0°54'24	retrograde	10329 Jun 06 16:45	12°♌23'37		
minimum elong	10324 Mar 02 01:56	15°♌08'12	0°54'14	desc. node	10329 Jun 27 22:04	9°♌27'58		
	10324 Mar 24 15:42	0°♍		opposition	10329 Jul 17 05:22	2°♌39'06	-0°40'06	
morning rise	10324 Apr 16 02:45	15°♍04'22		greatest brilliancy	10329 Jul 17 05:00	2°♌39'28	-1.3m	
	10324 May 07 22:06	0°♌		min. Earth dist.	10329 Jul 17 03:45	2°♌40'43	0.68229 AU	
	10324 Jun 19 11:02	0°♌			10329 Jul 23 23:59	30°♌♋		
	10324 Jul 30 11:37	0°♌		direct	10329 Aug 27 06:32	22°♋50'01		
	10324 Sep 08 10:16	0°♌			10329 Oct 04 05:16	0°♌		
	10324 Oct 18 02:17	0°♎			10329 Dec 07 01:44	0°♌		
asc. node	10324 Oct 26 13:58	6°♎21'22			10330 Jan 25 10:03	0°♍		
	10324 Nov 27 21:25	0°♌			10330 Mar 10 14:40	0°♌		
	10325 Jan 11 23:06	0°♍			10330 Apr 20 14:56	0°♌		
retrograde	10325 Mar 26 19:14	27°♍28'38			10330 May 29 14:57	0°♌		
min. Earth dist.	10325 Apr 26 21:04	20°♍51'25	0.53683 AU	evening set	10330 Jun 05 08:41	5°♌17'06		
greatest brilliancy	10325 May 03 00:44	18°♍30'56	-1.9m	asc. node	10330 Jun 18 00:00	15°♌15'04		
opposition	10325 May 04 05:58	18°♍02'58	4°50'28		10330 Jul 06 14:44	0°♌		
direct	10325 Jun 08 17:29	10°♍12'21			10330 Aug 13 13:09	0°♎		
	10325 Aug 15 09:44	0°♊						
desc. node	10325 Sep 22 16:26	19°♊31'59		conjunction	10330 Aug 15 10:45	1°♎29'28	0°39'38	
	10325 Oct 11 14:08	0°♋		minimum elong	10330 Aug 15 07:07	1°♎22'21	0°39'20	
	10325 Dec 01 21:24	0°♌			10330 Sep 21 07:28	0°♌		
	10326 Jan 19 07:55	0°♌		max. Earth dist.	10330 Oct 07 09:33	12°♌07'51	2.40020 AU	
evening set	10326 Feb 22 12:46	22°♌09'38		morning rise	10330 Oct 24 02:37	24°♌29'34		
	10326 Mar 06 07:37	0°♍			10330 Oct 31 15:58	0°♍		
max. Earth dist.	10326 Mar 12 18:27	4°♍20'10	2.56414 AU		10330 Dec 13 05:24	0°♊		
					10331 Jan 27 13:09	0°♋		
conjunction	10326 Apr 10 23:20	24°♍23'09	-1°08'28		10331 Mar 17 16:37	0°♌		
minimum elong	10326 Apr 10 23:25	24°♍23'18	1°08'37		10331 May 14 12:20	0°♌		
	10326 Apr 18 23:21	0°♌		desc. node	10331 May 15 19:48	0°♌34'14		
	10326 May 30 12:27	0°♌		retrograde	10331 Jul 11 21:45	15°♌11'52		
morning rise	10326 Jun 01 19:18	1°♌41'23		opposition	10331 Aug 20 08:37	6°♌06'08	-3°08'23	
	10326 Jul 09 09:10	0°♌		greatest brilliancy	10331 Aug 20 17:14	5°♌57'45	-1.4m	
	10326 Aug 17 03:46	0°♌		min. Earth dist.	10331 Aug 24 02:03	4°♌38'56	0.65801 AU	
asc. node	10326 Sep 13 08:39	21°♌14'00			10331 Sep 06 02:31	30°♌♌		

direct	10331 Sep 30 22:23	26° $\approx$ 02'43	conjunction	10337 Jan 13 00:11	27° $\approx$ 56'52 -0°04'47
	10331 Oct 27 15:51	0° $\mathbb{H}$	minimum elong	10337 Jan 13 00:03	27° $\approx$ 56'39 0°04'20
	10332 Jan 01 04:08	0° $\mathbb{Y}$	behind sun begin	10337 Jan 12 05:59	27° $\approx$ 27'59
	10332 Feb 17 03:54	0° $\mathbb{B}$	behind sun end	10337 Jan 13 18:07	28° $\approx$ 25'17
	10332 Mar 29 23:09	0° $\mathbb{II}$	max. Earth dist.	10337 Jan 15 04:44	29° $\approx$ 20'14 2.68034 AU
asc. node	10332 May 05 02:02	27° $\mathbb{II}$ 35'00		10337 Jan 16 05:49	0° $\approx$
	10332 May 08 04:29	0° $\mathbb{D}$	morning rise	10337 Feb 25 16:30	25° $\approx$ 39'31
	10332 Jun 15 06:56	0° $\mathbb{Q}$		10337 Mar 04 12:29	0° $\mathbb{H}$
	10332 Jul 23 09:50	0° $\mathbb{P}$		10337 Apr 20 12:28	0° $\mathbb{Y}$
evening set	10332 Aug 19 05:00	20° $\mathbb{P}$ 41'22		10337 Jun 06 00:53	0° $\mathbb{B}$
	10332 Aug 31 11:41	0° $\mathbb{L}$		10337 Jul 22 04:05	0° $\mathbb{II}$
	10332 Oct 11 05:22	0° $\mathbb{L}$		10337 Sep 06 11:51	0° $\mathbb{D}$
				10337 Oct 25 07:34	0° $\mathbb{Q}$
conjunction	10332 Oct 21 02:36	7° $\mathbb{L}$ 03'51 1°05'19	asc. node	10337 Dec 26 10:37	25° $\mathbb{Q}$ 40'14
minimum elong	10332 Oct 21 03:22	7° $\mathbb{L}$ 05'14 1°05'34	retrograde	10338 Jan 06 15:12	26° $\mathbb{Q}$ 31'14
	10332 Nov 23 00:59	0° $\mathbb{X}$	min. Earth dist.	10338 Feb 02 19:46	22° $\mathbb{Q}$ 06'18 0.36895 AU
max. Earth dist.	10332 Nov 25 21:22	1° $\mathbb{X}$ 56'34 2.53843 AU	opposition	10338 Feb 06 03:13	21° $\mathbb{Q}$ 12'16 3°08'28
morning rise	10332 Dec 14 15:19	14° $\mathbb{X}$ 34'21	greatest brilliancy	10338 Feb 05 15:41	21° $\mathbb{Q}$ 20'08 -3.0m
	10333 Jan 07 01:49	0° $\mathbb{Z}$	direct	10338 Mar 07 09:22	16° $\mathbb{Q}$ 18'06
	10333 Feb 23 08:50	0° $\approx$		10338 Apr 26 12:30	0° $\mathbb{P}$
desc. node	10333 Apr 01 13:29	22° $\approx$ 29'32		10338 Jun 19 20:06	0° $\mathbb{L}$
	10333 Apr 14 10:20	0° $\mathbb{H}$		10338 Aug 07 08:36	0° $\mathbb{L}$
	10333 Jun 09 09:12	0° $\mathbb{Y}$		10338 Sep 24 04:58	0° $\mathbb{X}$
retrograde	10333 Aug 21 13:39	21° $\mathbb{Y}$ 53'09		10338 Nov 11 04:46	0° $\mathbb{Z}$
opposition	10333 Sep 27 10:34	13° $\mathbb{Y}$ 54'23 -5°04'44	desc. node	10338 Nov 22 00:44	6° $\mathbb{Z}$ 45'58
greatest brilliancy	10333 Sep 28 17:20	13° $\mathbb{Y}$ 25'43 -1.7m		10338 Dec 29 02:47	0° $\approx$
min. Earth dist.	10333 Oct 04 18:18	11° $\mathbb{Y}$ 10'58 0.56821 AU	evening set	10339 Jan 03 20:18	3° $\approx$ 36'28
direct	10333 Nov 06 13:41	4° $\mathbb{Y}$ 20'20	max. Earth dist.	10339 Feb 06 07:44	24° $\approx$ 49'56 2.66903 AU
	10334 Jan 18 15:39	0° $\mathbb{B}$		10339 Feb 14 09:33	0° $\mathbb{H}$
	10334 Mar 05 19:25	0° $\mathbb{II}$			
asc. node	10334 Mar 23 05:42	12° $\mathbb{II}$ 33'32	conjunction	10339 Feb 17 02:59	1° $\mathbb{H}$ 44'57 -0°42'49
	10334 Apr 15 13:10	0° $\mathbb{D}$	minimum elong	10339 Feb 17 01:56	1° $\mathbb{H}$ 43'16 0°42'32
	10334 May 24 11:53	0° $\mathbb{Q}$		10339 Apr 01 12:52	0° $\mathbb{Y}$
	10334 Jul 02 08:07	0° $\mathbb{P}$	morning rise	10339 Apr 02 01:07	0° $\mathbb{Y}$ 20'14
	10334 Aug 11 04:17	0° $\mathbb{L}$		10339 May 16 05:30	0° $\mathbb{B}$
	10334 Sep 21 16:51	0° $\mathbb{L}$		10339 Jun 28 09:47	0° $\mathbb{II}$
evening set	10334 Oct 17 01:53	17° $\mathbb{L}$ 40'08		10339 Aug 09 05:01	0° $\mathbb{D}$
	10334 Nov 04 04:41	0° $\mathbb{X}$		10339 Sep 19 00:55	0° $\mathbb{Q}$
				10339 Oct 29 19:39	0° $\mathbb{P}$
conjunction	10334 Dec 07 06:23	21° $\mathbb{X}$ 58'54 0°36'38	asc. node	10339 Nov 13 09:11	10° $\mathbb{P}$ 28'47
minimum elong	10334 Dec 07 07:36	22° $\mathbb{X}$ 00'53 0°37'07		10339 Dec 11 16:54	0° $\mathbb{L}$
	10334 Dec 19 13:15	0° $\mathbb{Z}$		10340 Feb 03 16:46	0° $\mathbb{L}$
max. Earth dist.	10334 Dec 23 20:13	2° $\mathbb{Z}$ 47'01 2.63635 AU	retrograde	10340 Mar 08 20:17	7° $\mathbb{L}$ 29'52
morning rise	10335 Jan 22 22:50	22° $\mathbb{Z}$ 06'25	min. Earth dist.	10340 Apr 06 10:07	1° $\mathbb{L}$ 48'40 0.48318 AU
	10335 Feb 04 09:33	0° $\approx$		10340 Apr 11 11:21	30° $\mathbb{R}$ $\mathbb{L}$
desc. node	10335 Feb 17 05:45	8° $\approx$ 05'45	greatest brilliancy	10340 Apr 13 03:35	29° $\mathbb{L}$ 23'20 -2.2m
	10335 Mar 24 08:43	0° $\mathbb{H}$	opposition	10340 Apr 14 18:12	28° $\mathbb{L}$ 48'16 5°39'02
	10335 May 12 11:58	0° $\mathbb{Y}$	direct	10340 May 18 09:57	21° $\mathbb{L}$ 43'46
	10335 Jul 02 23:00	0° $\mathbb{B}$		10340 Jun 26 23:52	0° $\mathbb{L}$
	10335 Sep 01 05:05	0° $\mathbb{II}$		10340 Aug 28 19:18	0° $\mathbb{X}$
retrograde	10335 Oct 18 10:59	11° $\mathbb{II}$ 01'58	desc. node	10340 Oct 09 04:00	23° $\mathbb{X}$ 24'25
opposition	10335 Nov 19 20:14	5° $\mathbb{II}$ 00'07 -4°43'13		10340 Oct 20 10:14	0° $\mathbb{Z}$
greatest brilliancy	10335 Nov 21 09:37	4° $\mathbb{II}$ 30'31 -2.5m		10340 Dec 09 07:35	0° $\approx$
min. Earth dist.	10335 Nov 28 04:06	2° $\mathbb{II}$ 23'09 0.43127 AU		10341 Jan 26 06:11	0° $\mathbb{H}$
	10335 Dec 06 19:30	30° $\mathbb{R}$ $\mathbb{B}$	evening set	10341 Feb 07 17:51	8° $\mathbb{H}$ 01'20
direct	10335 Dec 24 21:24	27° $\mathbb{B}$ 44'18	max. Earth dist.	10341 Mar 01 19:48	22° $\mathbb{H}$ 26'55 2.60355 AU
	10336 Jan 12 02:40	0° $\mathbb{II}$		10341 Mar 13 04:32	0° $\mathbb{Y}$
asc. node	10336 Feb 08 08:30	10° $\mathbb{II}$ 12'33			
	10336 Mar 13 20:00	0° $\mathbb{D}$	conjunction	10341 Mar 25 12:20	8° $\mathbb{Y}$ 17'28 -1°06'30
	10336 Apr 26 13:37	0° $\mathbb{Q}$	minimum elong	10341 Mar 25 11:41	8° $\mathbb{Y}$ 16'23 1°06'32
	10336 Jun 07 02:12	0° $\mathbb{P}$		10341 Apr 26 00:47	0° $\mathbb{B}$
	10336 Jul 18 22:52	0° $\mathbb{L}$	morning rise	10341 May 12 18:39	11° $\mathbb{B}$ 50'18
	10336 Aug 31 03:29	0° $\mathbb{L}$		10341 Jun 06 21:45	0° $\mathbb{II}$
	10336 Oct 14 22:54	0° $\mathbb{X}$		10341 Jul 17 03:25	0° $\mathbb{D}$
evening set	10336 Nov 28 02:54	28° $\mathbb{X}$ 41'05		10341 Aug 25 06:37	0° $\mathbb{Q}$
	10336 Nov 30 04:03	0° $\mathbb{Z}$	asc. node	10341 Sep 30 02:28	27° $\mathbb{Q}$ 43'10
desc. node	10337 Jan 04 01:12	22° $\mathbb{Z}$ 15'35		10341 Oct 03 01:26	0° $\mathbb{P}$



	10341 Nov 11 13:05	0°♄				10347 Jan 11 04:04	0°♃		
	10341 Dec 23 07:11	0°♆				10347 Feb 25 14:53	0°♄		
	10342 Feb 08 21:07	0°♂				10347 Apr 07 23:46	0°♂		
retrograde	10342 Apr 20 06:29	24°♂00'01				10347 May 17 01:40	0°♄		
min. Earth dist.	10342 May 24 19:49	16°♂10'09	0.60679 AU	asc. node		10347 May 22 17:13	4°♄25'27		
opposition	10342 May 30 02:54	14°♂04'40	3°10'36			10347 Jun 24 02:12	0°♄		
greatest brilliancy	10342 May 29 13:03	14°♂18'22	-1.6m	greatest brilliancy		10347 Jul 21 09:17	21°♄35'13	1.2m	
direct	10342 Jul 06 22:42	5°♂21'39		evening set		10347 Jul 22 00:38	22°♄05'26		
desc. node	10342 Aug 27 08:50	17°♂35'24				10347 Aug 01 02:23	0°♄		
	10342 Sep 23 21:44	0°♄				10347 Sep 09 00:05	0°♄		
	10342 Nov 18 12:57	0°♄							
	10343 Jan 07 08:05	0°♂		conjunction		10347 Sep 28 15:41	14°♄43'21	1°05'14	
	10343 Feb 22 16:41	0°♃		minimum elong		10347 Sep 28 14:35	14°♄41'17	1°05'19	
evening set	10343 Mar 19 18:58	17°♃04'05				10347 Oct 19 12:46	0°♆		
max. Earth dist.	10343 Apr 02 19:14	26°♃51'18	2.48954 AU	max. Earth dist.		10347 Nov 12 10:32	17°♆01'06	2.48674 AU	
	10343 Apr 07 06:00	0°♄		morning rise		10347 Nov 27 09:47	27°♆25'04		
						10347 Dec 01 04:02	0°♂		
conjunction	10343 May 10 18:51	24°♄17'47	-0°58'04			10348 Jan 15 04:38	0°♄		
minimum elong	10343 May 10 20:41	24°♄21'11	0°58'25			10348 Mar 02 22:00	0°♄		
	10343 May 18 11:10	0°♂		desc. node		10348 Apr 18 05:06	27°♄00'10		
	10343 Jun 26 22:02	0°♄				10348 Apr 23 16:01	0°♂		
morning rise	10343 Jul 10 13:42	10°♄36'13				10348 Jun 27 17:59	0°♃		
	10343 Aug 04 07:32	0°♄		retrograde		10348 Aug 04 02:47	6°♃57'07		
asc. node	10343 Aug 17 21:32	10°♄41'48				10348 Sep 07 02:32	30°♃		
	10343 Sep 11 11:03	0°♄		opposition		10348 Sep 11 04:58	28°♃27'36	-4°26'10	
greatest brilliancy	10343 Oct 02 04:33	16°♄08'13	1.2m	greatest brilliancy		10348 Sep 12 02:10	28°♃07'21	-1.6m	
	10343 Oct 20 06:11	0°♄		min. Earth dist.		10348 Sep 17 04:37	26°♃10'33	0.61077 AU	
	10343 Nov 29 16:43	0°♆		direct		10348 Oct 22 04:48	18°♃34'03		
	10344 Jan 12 00:26	0°♂				10348 Dec 07 19:57	0°♃		
	10344 Feb 29 19:28	0°♄				10349 Jan 31 04:33	0°♄		
retrograde	10344 May 24 12:56	29°♄48'26				10349 Mar 15 16:53	0°♂		
min. Earth dist.	10344 Jul 02 14:01	20°♄31'54	0.67384 AU	asc. node		10349 Apr 08 19:32	17°♂56'40		
opposition	10344 Jul 04 03:28	19°♄54'36	0°21'50			10349 Apr 24 13:39	0°♄		
greatest brilliancy	10344 Jul 04 03:07	19°♄54'57	-1.3m			10349 Jun 02 01:04	0°♄		
desc. node	10344 Jul 14 11:29	15°♄57'24				10349 Jul 10 12:08	0°♄		
direct	10344 Aug 13 13:50	10°♄18'31				10349 Aug 18 23:04	0°♄		
	10344 Oct 21 07:53	0°♄		evening set		10349 Sep 26 16:29	28°♄16'37		
	10344 Dec 16 06:01	0°♂				10349 Sep 29 02:28	0°♆		
	10345 Feb 02 05:50	0°♃				10349 Nov 11 06:14	0°♂		
	10345 Mar 18 02:21	0°♄							
	10345 Apr 28 02:12	0°♂		conjunction		10349 Nov 20 12:34	6°♂15'31	0°50'43	
evening set	10345 May 10 00:00	9°♂01'10		minimum elong		10349 Nov 20 14:04	6°♂18'03	0°51'08	
	10345 Jun 06 03:56	0°♄		max. Earth dist.		10349 Dec 13 20:35	21°♂46'50	2.60417 AU	
max. Earth dist.	10345 Jul 01 08:33	19°♄48'59	2.36529 AU			10349 Dec 26 09:59	0°♄		
asc. node	10345 Jul 04 18:29	22°♄31'01		morning rise		10350 Jan 08 12:33	8°♄29'27		
	10345 Jul 14 05:12	0°♄				10350 Feb 11 07:37	0°♄		
				desc. node		10350 Mar 05 22:24	14°♄06'54		
conjunction	10345 Jul 15 07:01	0°♄51'09	0°07'41			10350 Mar 31 20:01	0°♂		
minimum elong	10345 Jul 15 06:12	0°♄49'32	0°07'14			10350 May 21 13:57	0°♃		
behind sun begin	10345 Jul 14 02:39	29°♄54'58				10350 Jul 17 04:33	0°♄		
behind sun end	10345 Jul 16 09:45	1°♄44'07		retrograde		10350 Sep 22 22:32	19°♄41'02		
	10345 Aug 21 03:38	0°♄		opposition		10350 Oct 27 08:33	12°♄46'02	-5°25'37	
morning rise	10345 Sep 26 21:56	28°♄31'30		greatest brilliancy		10350 Oct 29 02:10	12°♄09'57	-2.2m	
	10345 Sep 28 20:20	0°♄		min. Earth dist.		10350 Nov 05 01:47	9°♄46'04	0.48694 AU	
	10345 Nov 08 02:46	0°♆		direct		10350 Dec 03 23:32	4°♄17'11		
	10345 Dec 20 16:12	0°♂				10351 Feb 12 11:10	0°♂		
	10346 Feb 04 08:46	0°♄		asc. node		10351 Feb 25 00:16	7°♂50'18		
	10346 Mar 27 03:13	0°♄				10351 Mar 29 07:57	0°♄		
desc. node	10346 Jun 01 10:09	28°♄44'52				10351 May 08 23:49	0°♄		
	10346 Jun 06 13:38	0°♂				10351 Jun 17 23:02	0°♄		
retrograde	10346 Jun 27 19:43	2°♂29'30				10351 Jul 28 17:31	0°♄		
	10346 Jul 17 14:18	30°♄				10351 Sep 09 01:51	0°♆		
opposition	10346 Aug 06 20:17	23°♄06'00	-2°13'25			10351 Oct 23 05:50	0°♂		
greatest brilliancy	10346 Aug 06 23:29	23°♄02'52	-1.3m	evening set		10351 Nov 13 12:21	14°♂02'58		
min. Earth dist.	10346 Aug 09 01:54	22°♄13'15	0.67541 AU			10351 Dec 08 00:58	0°♄		
direct	10346 Sep 17 09:36	13°♄04'46							
	10346 Nov 17 16:26	0°♂		conjunction		10351 Dec 30 22:03	14°♄41'46	0°11'31	

minimum elong	10351 Dec 30 22:27	14°  42'24	0°12'01			10356 Nov 21 04:36	0° 	
behind sun begin	10351 Dec 30 09:47	14°  22'11				10357 Jan 03 10:48	0° 	
behind sun end	10351 Dec 31 11:07	15°  02'37				10357 Feb 27 14:01	0° 	
max. Earth dist.	10352 Jan 07 10:08	19°  29'12	2.66980 AU	retrograde		10357 Apr 05 02:42	8°  02'13	
desc. node	10352 Jan 21 15:54	28°  32'53		min. Earth dist.		10357 May 07 11:59	0°  57'03	0.56388 AU
	10352 Jan 23 22:48	0° 				10357 May 09 23:11	30° 	
morning rise	10352 Feb 13 08:34	12°  55'37		greatest brilliancy		10357 May 13 04:59	28°  44'12	-1.8m
	10352 Mar 11 09:30	0° 		opposition		10357 May 14 04:26	28°  21'25	4°15'43
	10352 Apr 28 00:07	0° 		direct		10357 Jun 19 13:23	20°  09'50	
	10352 Jun 14 19:10	0° 				10357 Aug 03 09:19	0° 	
	10352 Aug 02 10:19	0° 		desc. node		10357 Sep 12 19:47	18°  16'37	
	10352 Sep 23 13:04	0° 				10357 Oct 05 02:58	0° 	
retrograde	10352 Dec 05 03:08	24°  05'17				10357 Nov 26 15:33	0° 	
opposition	10353 Jan 03 22:56	19°  09'54	-0°37'50			10358 Jan 14 12:36	0° 	
greatest brilliancy	10353 Jan 04 01:32	19°  18'10	-3.0m			10358 Mar 01 15:39	0° 	
min. Earth dist.	10353 Jan 06 12:57	18°  03'19	0.36970 AU	evening set		10358 Mar 03 08:21	1°  08'08	
asc. node	10353 Jan 12 02:01	17°  08'30		max. Earth dist.		10358 Mar 19 19:19	12°  17'01	2.53926 AU
direct	10353 Feb 03 04:44	14°  08'39				10358 Apr 14 06:50	0° 	
	10353 Mar 28 06:01	0° 						
	10353 May 17 20:33	0° 		conjunction		10358 Apr 21 02:09	4°  49'32	-1°06'52
	10353 Jul 02 12:49	0° 		minimum elong		10358 Apr 21 02:50	4°  50'44	1°07'07
	10353 Aug 16 23:50	0° 				10358 May 25 17:33	0° 	
	10353 Oct 02 06:24	0° 		morning rise		10358 Jun 14 14:11	14°  11'46	
	10353 Nov 18 09:25	0° 				10358 Jul 04 10:57	0° 	
desc. node	10353 Dec 08 13:16	12°  34'21				10358 Aug 12 02:22	0° 	
evening set	10353 Dec 20 22:17	20°  33'05		asc. node		10358 Sep 03 16:06	17°  04'48	
	10354 Jan 04 21:22	0° 				10358 Sep 19 10:25	0° 	
max. Earth dist.	10354 Jan 28 14:54	15°  01'47	2.68011 AU			10358 Oct 28 09:17	0° 	
						10358 Dec 08 02:04	0° 	
conjunction	10354 Feb 03 11:14	18°  44'41	-0°29'10			10359 Jan 21 05:08	0° 	
minimum elong	10354 Feb 03 10:26	18°  43'24	0°28'48			10359 Mar 14 15:11	0° 	
	10354 Feb 21 02:40	0° 		retrograde		10359 May 12 05:25	16°  34'51	
morning rise	10354 Mar 18 21:27	16°  35'17		min. Earth dist.		10359 Jun 18 15:58	7°  59'39	0.65504 AU
	10354 Apr 08 12:11	0° 		opposition		10359 Jun 21 17:11	6°  34'42	1°25'56
	10354 May 23 18:12	0° 		greatest brilliancy		10359 Jun 21 13:41	6°  50'11	-1.4m
	10354 Jul 06 18:49	0° 				10359 Jul 11 09:28	30° 	
	10354 Aug 18 16:41	0° 		direct		10359 Jul 31 07:21	27°  27'40	
	10354 Sep 29 23:27	0° 		desc. node		10359 Jul 31 23:15	27°  27'49	
	10354 Nov 12 01:44	0° 				10359 Aug 21 22:38	0° 	
asc. node	10354 Nov 30 01:50	11°  47'48				10359 Nov 03 00:11	0° 	
	10354 Dec 31 15:31	0° 				10359 Dec 25 12:52	0° 	
retrograde	10355 Feb 16 23:57	13°  38'38				10360 Feb 10 16:47	0° 	
min. Earth dist.	10355 Mar 15 09:50	8°  52'02	0.42874 AU			10360 Mar 25 08:55	0° 	
greatest brilliancy	10355 Mar 22 00:17	6°  42'04	-2.6m	evening set		10360 Apr 17 12:13	16°  34'23	
opposition	10355 Mar 23 17:18	6°  08'06	5°51'11	max. Earth dist.		10360 May 05 07:37	29°  05'20	2.40637 AU
	10355 Apr 23 04:54	30° 				10360 May 05 10:06	0° 	
direct	10355 Apr 24 07:04	29°  59'32				10360 Jun 13 14:42	0° 	
	10355 Apr 25 09:18	0° 						
	10355 Jul 18 10:01	0° 		conjunction		10360 Jun 16 08:40	2°  08'30	-0°24'44
	10355 Sep 09 08:24	0° 		minimum elong		10360 Jun 16 10:48	2°  12'40	0°25'12
desc. node	10355 Oct 26 15:27	28°  15'25		asc. node		10360 Jul 21 10:39	29°  04'29	
	10355 Oct 29 12:30	0° 				10360 Jul 21 18:30	0° 	
	10355 Dec 17 10:34	0° 		morning rise		10360 Aug 26 21:17	28°  03'148	
evening set	10356 Jan 25 14:14	24°  36'05				10360 Aug 28 18:11	0° 	
	10356 Feb 03 01:08	0° 				10360 Oct 06 10:44	0° 	
max. Earth dist.	10356 Feb 20 21:46	11°  31'03	2.63572 AU			10360 Nov 15 16:53	0° 	
						10360 Dec 28 09:25	0° 	
conjunction	10356 Mar 10 08:22	23°  35'29	-0°59'54			10361 Feb 12 18:01	0° 	
minimum elong	10356 Mar 10 07:21	23°  33'48	0°59'48			10361 Apr 07 13:12	0° 	
	10356 Mar 20 00:25	0° 		retrograde		10361 Jun 14 07:25	20°  01'16	
morning rise	10356 Apr 25 05:33	24°  01'36		desc. node		10361 Jun 18 00:32	19°  05'04	
	10356 May 03 03:25	0° 		opposition		10361 Jul 24 16:45	10°  00'21	-1°15'24
	10356 Jun 14 10:51	0° 		greatest brilliancy		10361 Jul 24 16:54	10°  00'23'12	-1.3m
	10356 Jul 25 04:17	0° 		min. Earth dist.		10361 Jul 25 10:24	10°  00'55'53	0.68262 AU
	10356 Sep 02 19:07	0° 		direct		10361 Sep 03 23:41	0° 	
	10356 Oct 12 01:29	0° 				10361 Nov 30 06:16	0° 	
asc. node	10356 Oct 16 22:34	3°  42'22				10362 Jan 19 23:46	0° 	

	10362 Mar 05 14:08	0°♄	morning rise	10367 Jan 30 20:16	0°≈05'00
	10362 Apr 15 17:42	0°♂		10367 Jan 30 17:07	0°≈
	10362 May 24 18:25	0°♊	desc. node	10367 Feb 07 07:23	4°≈48'19
asc. node	10362 Jun 08 09:33	11°♊29'53		10367 Mar 19 10:34	0°♋
evening set	10362 Jun 21 15:15	21°♊58'14		10367 May 06 21:59	0°♌
	10362 Jul 01 18:14	0°♍		10367 Jun 25 16:27	0°♄
	10362 Aug 08 16:44	0°♎		10367 Aug 18 08:28	0°♂
			retrograde	10367 Nov 03 21:32	25°♂25'46
conjunction	10362 Sep 01 08:13	18°♎24'41 0°52'59	opposition	10367 Dec 05 00:59	19°♂54'01 -3°43'22
minimum elong	10362 Sep 01 04:49	18°♎18'08 0°52'50	greatest brilliancy	10367 Dec 06 04:33	19°♂33'29 -2.7m
	10362 Sep 16 11:16	0°♏	min. Earth dist.	10367 Dec 12 03:59	17°♂47'17 0.40348 AU
max. Earth dist.	10362 Oct 23 19:40	27°♏48'26 2.43082 AU	direct	10368 Jan 07 09:43	13°♂26'01
	10362 Oct 26 20:07	0°♐	asc. node	10368 Jan 29 18:35	16°♂49'49
morning rise	10362 Nov 06 11:50	7°♐40'26		10368 Feb 29 18:04	0°♑
	10362 Dec 08 08:48	0°♑		10368 Apr 18 01:46	0°♍
	10363 Jan 22 11:57	0°♒		10368 May 31 04:09	0°♎
	10363 Mar 11 22:39	0°≈		10368 Jul 12 22:06	0°♏
desc. node	10363 May 05 21:26	0°♋07'57		10368 Aug 25 16:57	0°♐
	10363 May 05 14:58	0°♋		10368 Oct 09 22:17	0°♑
retrograde	10363 Jul 20 09:17	23°♋12'34		10368 Nov 25 09:53	0°♒
opposition	10363 Aug 28 09:52	14°♋18'28 -3°38'42	evening set	10368 Dec 06 14:55	7°♒09'07
greatest brilliancy	10363 Aug 28 22:30	14°♋06'14 -1.4m	desc. node	10368 Dec 25 03:04	18°♒54'56
min. Earth dist.	10363 Sep 01 22:32	12°♋33'08 0.64383 AU		10369 Jan 11 14:28	0°≈
direct	10363 Oct 08 20:33	4°♋16'37			
	10363 Dec 24 14:40	0°♌	conjunction	10369 Jan 20 21:10	5°≈52'54 -0°14'04
	10364 Feb 11 06:44	0°♄	minimum elong	10369 Jan 20 20:46	5°≈52'14 0°13'38
	10364 Mar 24 14:02	0°♂	behind sun begin	10369 Jan 20 11:04	5°≈36'53
asc. node	10364 Apr 25 10:40	24°♂08'25	behind sun end	10369 Jan 21 06:27	6°≈07'36
	10364 May 03 00:07	0°♊	max. Earth dist.	10369 Jan 20 04:14	5°≈26'04 2.68270 AU
	10364 Jun 10 05:19	0°♍		10369 Feb 27 20:13	0°♋
	10364 Jul 18 10:32	0°♎	morning rise	10369 Mar 05 07:48	3°♋29'52
	10364 Aug 26 14:36	0°♏		10369 Apr 15 14:19	0°♌
evening set	10364 Sep 03 02:21	5°♏36'26		10369 May 31 14:18	0°♄
	10364 Oct 06 10:33	0°♐		10369 Jul 15 20:01	0°♂
				10369 Aug 29 13:28	0°♊
conjunction	10364 Nov 01 19:31	18°♐37'39 1°01'31		10369 Oct 13 19:39	0°♍
minimum elong	10364 Nov 01 20:49	18°♐39'55 1°01'51		10369 Dec 03 10:39	0°♎
	10364 Nov 18 07:44	0°♑	asc. node	10369 Dec 16 19:57	6°♎13'22
max. Earth dist.	10364 Dec 02 23:01	9°♑54'32 2.56385 AU	retrograde	10370 Jan 22 19:39	14°♎50'25
morning rise	10364 Dec 24 01:17	23°♑55'27	min. Earth dist.	10370 Feb 17 21:05	10°♎32'55 0.38362 AU
	10365 Jan 02 08:11	0°♒	opposition	10370 Feb 23 18:57	8°♎49'47 4°41'24
	10365 Feb 18 10:01	0°≈	greatest brilliancy	10370 Feb 22 16:47	9°♎08'53 -2.9m
desc. node	10365 Mar 22 14:21	19°≈44'54	direct	10370 Mar 25 11:43	3°♎36'48
	10365 Apr 08 18:29	0°♋		10370 Jun 09 15:13	0°♏
	10365 Jun 01 03:51	0°♌		10370 Jul 31 10:00	0°♐
retrograde	10365 Aug 15 13:43	0°♄		10370 Sep 18 12:56	0°♑
	10365 Sep 01 10:38	1°♄36'05		10370 Nov 06 03:47	0°♒
	10365 Sep 17 08:08	30°♄♌	desc. node	10370 Nov 12 03:01	3°♒41'45
opposition	10365 Oct 07 12:21	23°♌57'32 -5°19'55		10370 Dec 24 09:10	0°≈
greatest brilliancy	10365 Oct 09 00:08	23°♌24'48 -1.9m	evening set	10371 Jan 11 18:00	11°≈32'48
min. Earth dist.	10365 Oct 15 11:28	21°♌03'32 0.54080 AU		10371 Feb 09 18:32	0°♋
direct	10365 Nov 15 22:10	14°♌41'02	max. Earth dist.	10371 Feb 11 12:30	1°♋07'17 2.65949 AU
	10366 Jan 08 01:23	0°♄			
	10366 Feb 26 17:28	0°♂	conjunction	10371 Feb 25 01:30	9°♋50'53 -0°49'55
asc. node	10366 Mar 13 13:52	10°♂21'57	minimum elong	10371 Feb 25 00:24	9°♋49'05 0°49'41
	10366 Apr 09 09:14	0°♊		10371 Mar 27 20:26	0°♌
	10366 May 18 18:15	0°♍	morning rise	10371 Apr 10 11:35	9°♌04'34
	10366 Jun 26 21:41	0°♎		10371 May 11 08:01	0°♄
	10366 Aug 05 23:53	0°♏		10371 Jun 23 04:21	0°♂
	10366 Sep 16 17:55	0°♐		10371 Aug 03 13:12	0°♊
evening set	10366 Oct 27 13:15	28°♐03'59		10371 Sep 12 20:41	0°♍
	10366 Oct 30 10:10	0°♑		10371 Oct 22 22:26	0°♎
	10366 Dec 14 21:22	0°♒	asc. node	10371 Nov 03 16:04	8°♎40'28
				10371 Dec 03 08:54	0°♏
conjunction	10366 Dec 16 03:24	0°♒48'41 0°27'39		10372 Jan 19 12:17	0°♐
minimum elong	10366 Dec 16 04:20	0°♒50'12 0°28'08	retrograde	10372 Mar 19 07:31	19°♐42'26
max. Earth dist.	10366 Dec 29 06:31	9°♒17'34 2.65066 AU	min. Earth dist.	10372 Apr 18 07:19	13°♐29'14 0.51337 AU

greatest brilliancy	10372 Apr 24 18:02	11° $\mathbb{M}$ 04'51	-2.1m	asc. node	10377 Jun 25 01:12	18° $\mathbb{S}$ 40'38	
opposition	10372 Apr 26 03:47	10° $\mathbb{M}$ 33'10	5°14'14		10377 Jul 09 08:08	0° $\mathcal{O}$	
direct	10372 May 30 19:49	3° $\mathbb{M}$ 01'54					
	10372 Aug 20 17:01	0° $\mathcal{A}$		conjunction	10377 Aug 01 19:10	18° $\mathcal{O}$ 35'38	0°26'44
desc. node	10372 Sep 29 07:30	21° $\mathcal{A}$ 18'05		minimum elong	10377 Aug 01 16:21	18° $\mathcal{O}$ 30'04	0°26'19
	10372 Oct 14 14:37	0° $\mathcal{B}$			10377 Aug 16 06:20	0° $\mathbb{M}$	
	10372 Dec 04 06:35	0° $\approx$		max. Earth dist.	10377 Sep 17 16:21	25° $\mathbb{M}$ 11'43	2.37768 AU
	10373 Jan 21 12:38	0° $\mathcal{H}$			10377 Sep 23 23:10	0° $\underline{\mathcal{A}}$	
evening set	10373 Feb 16 01:57	16° $\mathcal{H}$ 28'48		morning rise	10377 Oct 12 19:12	14° $\underline{\mathcal{A}}$ 12'36	
max. Earth dist.	10373 Mar 08 00:46	29° $\mathcal{H}$ 39'38	2.58280 AU		10377 Nov 03 05:29	0° $\mathbb{M}$	
	10373 Mar 08 12:58	0° $\mathcal{Y}$			10377 Dec 15 17:18	0° $\mathcal{A}$	
					10378 Jan 30 02:20	0° $\mathcal{B}$	
conjunction	10373 Apr 03 16:15	17° $\mathcal{Y}$ 43'38	-1°08'19		10378 Mar 20 17:14	0° $\approx$	
minimum elong	10373 Apr 03 15:58	17° $\mathcal{Y}$ 43'10	1°08'26		10378 May 20 15:04	0° $\mathcal{H}$	
	10373 Apr 21 07:49	0° $\mathcal{B}$		desc. node	10378 May 22 12:36	0° $\mathcal{H}$ 43'18	
morning rise	10373 May 23 17:26	23° $\mathcal{B}$ 10'20		retrograde	10378 Jul 05 18:45	10° $\mathcal{H}$ 11'37	
	10373 Jun 02 01:29	0° $\mathbb{I}$		opposition	10378 Aug 14 12:03	0° $\mathcal{H}$ 57'21	-2°45'57
	10373 Jul 12 02:45	0° $\mathbb{S}$		greatest brilliancy	10378 Aug 14 17:59	0° $\mathcal{H}$ 51'32	-1.3m
	10373 Aug 20 01:17	0° $\mathcal{O}$			10378 Aug 16 22:34	30° $\mathcal{R}\approx$	
asc. node	10373 Sep 20 10:40	24° $\mathcal{O}$ 25'04		min. Earth dist.	10378 Aug 17 12:58	29° $\approx$ 45'54	0.66711 AU
	10373 Sep 27 15:23	0° $\mathbb{M}$		direct	10378 Sep 25 02:14	20° $\approx$ 54'20	
	10373 Nov 05 20:35	0° $\underline{\mathcal{A}}$			10378 Nov 06 14:05	0° $\mathcal{H}$	
	10373 Dec 17 01:27	0° $\mathbb{M}$			10379 Jan 04 21:28	0° $\mathcal{Y}$	
	10374 Jan 31 18:56	0° $\mathcal{A}$			10379 Feb 20 05:27	0° $\mathcal{B}$	
	10374 Apr 06 15:44	0° $\mathcal{B}$			10379 Apr 02 21:13	0° $\mathbb{I}$	
retrograde	10374 Apr 28 10:41	2° $\mathcal{B}$ 55'00			10379 May 12 01:31	0° $\mathbb{S}$	
	10374 May 18 22:59	30° $\mathcal{R}\mathcal{A}$		asc. node	10379 May 13 02:12	0° $\mathbb{S}$ 48'13	
min. Earth dist.	10374 Jun 03 02:30	24° $\mathcal{A}$ 43'33	0.62664 AU		10379 Jun 19 03:03	0° $\mathcal{O}$	
opposition	10374 Jun 07 14:50	22° $\mathcal{A}$ 56'01	2°32'01		10379 Jul 27 04:13	0° $\mathbb{M}$	
greatest brilliancy	10374 Jun 07 05:27	23° $\mathcal{A}$ 05'20	-1.5m	evening set	10379 Aug 07 19:59	9° $\mathbb{M}$ 04'47	
direct	10374 Jul 16 03:36	13° $\mathcal{A}$ 58'39			10379 Sep 04 03:12	0° $\underline{\mathcal{A}}$	
desc. node	10374 Aug 17 12:22	19° $\mathcal{A}$ 22'21					
	10374 Sep 14 18:32	0° $\mathcal{B}$		conjunction	10379 Oct 12 09:23	28° $\underline{\mathcal{A}}$ 19'00	1°06'29
	10374 Nov 12 15:42	0° $\approx$		minimum elong	10379 Oct 12 09:30	28° $\underline{\mathcal{A}}$ 19'13	1°06'42
	10375 Jan 02 06:35	0° $\mathcal{H}$			10379 Oct 14 17:18	0° $\mathbb{M}$	
	10375 Feb 17 21:51	0° $\mathcal{Y}$		max. Earth dist.	10379 Nov 21 05:33	26° $\mathbb{M}$ 27'00	2.51619 AU
evening set	10375 Mar 29 22:12	27° $\mathcal{Y}$ 27'20			10379 Nov 26 09:34	0° $\mathcal{A}$	
	10375 Apr 02 12:30	0° $\mathcal{B}$		morning rise	10379 Dec 08 01:19	7° $\mathcal{A}$ 55'46	
max. Earth dist.	10375 Apr 12 19:33	7° $\mathcal{B}$ 21'01	2.46021 AU		10380 Jan 10 08:38	0° $\mathcal{B}$	
	10375 May 13 16:50	0° $\mathbb{I}$			10380 Feb 26 18:09	0° $\approx$	
				desc. node	10380 Apr 08 06:46	24° $\approx$ 48'14	
conjunction	10375 May 23 07:00	7° $\mathbb{I}$ 12'06	-0°48'52		10380 Apr 17 09:00	0° $\mathcal{H}$	
minimum elong	10375 May 23 09:23	7° $\mathbb{I}$ 16'35	0°49'17		10380 Jun 14 20:06	0° $\mathcal{Y}$	
	10375 Jun 22 01:52	0° $\mathbb{S}$		retrograde	10380 Aug 13 18:34	15° $\mathcal{Y}$ 45'36	
morning rise	10375 Jul 27 02:38	27° $\mathbb{S}$ 24'47		opposition	10380 Sep 20 05:26	7° $\mathcal{Y}$ 32'03	-4°49'38
	10375 Jul 30 09:25	0° $\mathcal{O}$		greatest brilliancy	10380 Sep 21 07:53	7° $\mathcal{Y}$ 07'05	-1.7m
asc. node	10375 Aug 08 05:31	6° $\mathcal{O}$ 58'10		min. Earth dist.	10380 Sep 26 22:59	4° $\mathcal{Y}$ 59'52	0.58848 AU
	10375 Sep 06 11:20	0° $\mathbb{M}$			10380 Oct 12 17:57	30° $\mathcal{R}\mathcal{H}$	
	10375 Oct 15 04:44	0° $\underline{\mathcal{A}}$		direct	10380 Oct 30 19:00	27° $\mathcal{H}$ 47'43	
	10375 Nov 24 12:03	0° $\mathbb{M}$			10380 Nov 18 17:42	0° $\mathcal{Y}$	
	10376 Jan 06 11:18	0° $\mathcal{A}$			10381 Jan 23 18:52	0° $\mathcal{B}$	
	10376 Feb 23 00:10	0° $\mathcal{B}$			10381 Mar 09 15:37	0° $\mathbb{I}$	
	10376 Apr 24 02:12	0° $\approx$		asc. node	10381 Mar 30 06:04	15° $\mathbb{I}$ 04'38	
retrograde	10376 Jun 01 01:48	7° $\approx$ 32'39			10381 Apr 18 23:47	0° $\mathbb{S}$	
desc. node	10376 Jul 04 14:14	0° $\approx$ 29'39			10381 May 27 16:55	0° $\mathcal{O}$	
	10376 Jul 05 21:10	30° $\mathcal{R}\mathcal{B}$			10381 Jul 05 08:12	0° $\mathbb{M}$	
opposition	10376 Jul 11 15:53	27° $\mathcal{B}$ 43'19	-0°14'47		10381 Aug 13 22:53	0° $\underline{\mathcal{A}}$	
min. Earth dist.	10376 Jul 10 21:44	28° $\mathcal{B}$ 01'22	0.67975 AU		10381 Sep 24 05:46	0° $\mathbb{M}$	
greatest brilliancy	10376 Jul 11 15:40	27° $\mathcal{B}$ 43'33	-1.3m	evening set	10381 Oct 08 14:04	10° $\mathbb{M}$ 06'01	
direct	10376 Aug 21 11:17	17° $\mathcal{B}$ 59'40			10381 Nov 06 12:33	0° $\mathcal{A}$	
	10376 Oct 11 12:27	0° $\approx$					
	10376 Dec 10 07:06	0° $\mathcal{H}$		conjunction	10381 Nov 30 06:25	15° $\mathcal{A}$ 54'15	0°42'48
	10377 Jan 28 02:23	0° $\mathcal{Y}$		minimum elong	10381 Nov 30 07:48	15° $\mathcal{A}$ 56'32	0°43'15
	10377 Mar 13 04:46	0° $\mathcal{B}$		max. Earth dist.	10381 Dec 19 18:53	28° $\mathcal{A}$ 43'54	2.62297 AU
	10377 Apr 23 06:05	0° $\mathbb{I}$			10381 Dec 21 17:36	0° $\mathcal{B}$	
evening set	10377 May 24 09:09	23° $\mathbb{I}$ 49'08		morning rise	10382 Jan 16 21:07	16° $\mathcal{B}$ 51'51	
	10377 Jun 01 07:30	0° $\mathbb{S}$			10382 Feb 06 13:22	0° $\approx$	

desc. node	10382 Feb 23 22:31	10°≈55'13	opposition	10387 Apr 06 05:36	19°♄54'56	5°51'27
	10382 Mar 26 17:08	0°♏	direct	10387 May 08 23:50	13°♄14'27	
	10382 May 15 10:23	0°♑		10387 Jul 07 12:27	0°♌	
	10382 Jul 07 13:32	0°♐		10387 Sep 02 16:18	0°♏	
	10382 Sep 19 09:28	0°♑	desc. node	10387 Oct 16 18:51	25°♏38'29	
retrograde	10382 Oct 06 18:01	1°♑44'37		10387 Oct 24 02:40	0°♐	
	10382 Oct 23 10:54	30°♐♏		10387 Dec 12 13:30	0°≈	
opposition	10382 Nov 09 02:02	25°♐18'14	-5°08'59	10388 Jan 29 09:12	0°♏	
greatest brilliancy	10382 Nov 10 19:06	24°♐44'15	-2.4m	10388 Feb 02 14:55	2°♏42'51	
min. Earth dist.	10382 Nov 17 19:38	22°♐26'09	0.45581 AU	max. Earth dist.	10388 Feb 26 13:03	18°♏13'13
direct	10382 Dec 15 09:40	17°♐26'50			10388 Mar 15 08:49	0°♑
	10383 Jan 30 06:30	0°♑				
asc. node	10383 Feb 15 09:22	8°♑34'02	conjunction	10388 Mar 18 20:55	2°♑20'22	-1°04'15
	10383 Mar 21 03:54	0°♒	minimum elong	10388 Mar 18 20:05	2°♑18'58	1°04'13
	10383 May 02 05:02	0°♒		10388 Apr 28 08:59	0°♐	
	10383 Jun 11 21:45	0°♑	morning rise	10388 May 04 22:44	4°♐35'59	
	10383 Jul 23 04:28	0°♑		10388 Jun 09 11:22	0°♑	
	10383 Sep 03 21:58	0°♌		10388 Jul 19 22:49	0°♒	
	10383 Oct 18 08:56	0°♏		10388 Aug 28 07:11	0°♒	
evening set	10383 Nov 22 13:12	23°♏01'36		10388 Oct 06 06:37	0°♑	
	10383 Dec 03 08:24	0°♐	asc. node	10388 Oct 07 04:42	0°♑42'20	
				10388 Nov 14 23:13	0°♑	
conjunction	10384 Jan 08 01:04	22°♐49'59	0°01'59	10388 Dec 27 03:42	0°♌	
minimum elong	10384 Jan 08 01:08	22°♐50'04	0°02'28	10389 Feb 14 13:55	0°♏	
behind sun begin	10384 Jan 07 06:33	22°♐20'32		retrograde	10389 Apr 13 21:20	17°♏50'34
behind sun end	10384 Jan 08 19:43	23°♐19'37		min. Earth dist.	10389 May 17 12:20	10°♏20'03
desc. node	10384 Jan 11 17:01	25°♐09'50		opposition	10389 May 23 10:59	8°♏00'06
max. Earth dist.	10384 Jan 12 13:51	25°♐42'56	2.67668 AU	greatest brilliancy	10389 May 22 17:08	8°♏17'37
	10384 Jan 19 07:41	0°≈			10389 Jun 20 22:15	30°♌♌
morning rise	10384 Feb 20 23:58	20°≈42'47		direct	10389 Jun 29 16:07	29°♌30'22
	10384 Mar 06 15:53	0°♏			10389 Jul 08 18:49	0°♏
	10384 Apr 22 21:56	0°♑	desc. node	10389 Sep 02 23:37	17°♏48'14	
	10384 Jun 08 22:48	0°♐		10389 Sep 28 00:37	0°♐	
	10384 Jul 26 00:43	0°♑		10389 Nov 21 05:12	0°≈	
	10384 Sep 12 04:33	0°♒		10390 Jan 09 15:34	0°♏	
	10384 Nov 05 19:41	0°♒		10390 Feb 24 23:01	0°♑	
retrograde	10384 Dec 23 19:27	12°♒40'00	evening set	10390 Mar 12 11:55	10°♑29'05	
asc. node	10385 Jan 02 11:14	12°♒02'49	max. Earth dist.	10390 Mar 27 11:17	20°♑47'35	2.51243 AU
opposition	10385 Jan 22 14:16	7°♒41'16	1°34'37	10390 Apr 09 14:25	0°♐	
greatest brilliancy	10385 Jan 22 11:54	7°♒42'50	-3.1m			
min. Earth dist.	10385 Jan 21 21:29	7°♒52'22	0.36463 AU	conjunction	10390 May 01 21:25	15°♐59'01
direct	10385 Feb 20 21:48	2°♒48'59		minimum elong	10390 May 01 22:45	16°♐01'27
	10385 May 06 21:50	0°♑			10390 May 20 23:04	0°♑
	10385 Jun 25 00:02	0°♑	morning rise	10390 Jun 28 16:13	29°♑19'00	
	10385 Aug 10 21:27	0°♌		10390 Jun 29 13:30	0°♒	
	10385 Sep 26 22:42	0°♏		10390 Aug 07 01:42	0°♒	
	10385 Nov 13 12:08	0°♐	asc. node	10390 Aug 24 23:01	14°♒03'11	
desc. node	10385 Nov 28 16:11	9°♐31'52		10390 Sep 14 06:54	0°♑	
evening set	10385 Dec 28 22:18	28°♐33'23		10390 Oct 23 02:46	0°♑	
	10385 Dec 31 05:16	0°≈		10390 Dec 02 14:05	0°♌	
max. Earth dist.	10386 Feb 02 16:18	21°≈11'10	2.67497 AU	10391 Jan 15 02:38	0°♏	
				10391 Mar 05 21:34	0°♐	
conjunction	10386 Feb 11 06:30	26°≈39'53	-0°37'24	retrograde	10391 May 19 20:57	24°♐48'32
minimum elong	10386 Feb 11 05:32	26°≈38'21	0°37'04	min. Earth dist.	10391 Jun 27 05:24	15°♐45'18
	10386 Feb 16 11:38	0°♏		opposition	10391 Jun 29 11:17	14°♐51'37
morning rise	10386 Mar 26 21:33	24°♏51'02		greatest brilliancy	10391 Jun 29 09:55	14°♐52'59
	10386 Apr 03 18:04	0°♑			10391 Jul 22 02:56	7°♐18'51
	10386 May 18 17:06	0°♐	desc. node	10391 Jul 22 02:56	7°♐18'51	
	10386 Jul 01 06:36	0°♑	direct	10391 Aug 08 13:54	5°♐22'45	
	10386 Aug 12 13:12	0°♒		10391 Oct 26 16:00	0°≈	
	10386 Sep 22 22:35	0°♒		10391 Dec 20 01:16	0°♏	
	10386 Nov 03 12:02	0°♑		10392 Feb 05 17:52	0°♑	
asc. node	10386 Nov 20 10:46	11°♑50'45	evening set	10392 Mar 20 13:59	0°♐	
	10386 Dec 18 02:16	0°♑		10392 Apr 29 18:06	29°♐19'30	
retrograde	10387 Mar 01 05:25	28°♑08'10		10392 Apr 30 15:42	0°♑	
min. Earth dist.	10387 Mar 28 17:58	22°♑52'07	0.45840 AU	max. Earth dist.	10392 May 26 08:46	19°♑34'22
greatest brilliancy	10387 Apr 04 12:33	20°♑30'57	-2.4m		10392 Jun 08 19:31	0°♒

conjunction	10392 Jul 02 04:07	18°☿20'06	-0°07'01			10397 May 24 23:52	0°♊
minimum elong	10392 Jul 02 04:52	18°☿21'36	0°07'30			10397 Jul 24 14:12	0°♋
behind sun begin	10392 Jul 01 02:26	17°☿29'29		retrograde		10397 Sep 13 03:15	12°♌00'07
behind sun end	10392 Jul 03 07:18	19°☿13'45		opposition		10397 Oct 18 08:46	4°♌44'17 -5°26'52
asc. node	10392 Jul 11 19:41	25°☿57'46		greatest brilliancy		10397 Oct 20 00:30	4°♌08'54 -2.0m
	10392 Jul 16 22:02	0°♊		min. Earth dist.		10397 Oct 26 20:27	1°♌44'07 0.51172 AU
	10392 Aug 23 20:38	0°♋				10397 Nov 01 03:15	30°♌♊
morning rise	10392 Sep 13 16:11	16°♋15'58		direct		10397 Nov 25 21:12	25°♊51'15
	10392 Oct 01 12:21	0°♌				10397 Dec 21 10:47	0°♋
	10392 Nov 10 17:03	0°♍				10398 Feb 18 15:21	0°♌
	10392 Dec 23 05:49	0°♎		asc. node		10398 Mar 04 00:30	8°♌52'12
	10393 Feb 07 01:52	0°♏				10398 Apr 02 19:14	0°☿
	10393 Mar 30 17:26	0°♐				10398 May 12 19:15	0°♊
desc. node	10393 Jun 08 02:34	26°♐32'48				10398 Jun 21 07:55	0°♋
retrograde	10393 Jun 21 23:58	27°♐39'27				10398 Jul 31 17:32	0°♌
opposition	10393 Aug 01 05:00	18°♐08'54	-1°49'48			10398 Sep 11 17:42	0°♍
greatest brilliancy	10393 Aug 01 06:32	18°♐07'23	-1.3m			10398 Oct 25 15:03	0°♎
min. Earth dist.	10393 Aug 02 18:09	17°♐32'14	0.67997 AU	evening set		10398 Nov 06 09:42	7°♎50'51
direct	10393 Sep 11 16:24	8°♐10'17				10398 Dec 10 05:25	0°♏
	10393 Nov 22 13:19	0°♑					
	10394 Jan 14 07:12	0°♒		conjunction		10398 Dec 24 16:32	9°♏19'50 0°18'16
	10394 Feb 28 10:24	0°♓		minimum elong		10398 Dec 24 17:09	9°♏20'50 0°18'46
	10394 Apr 10 18:10	0°♈		max. Earth dist.		10399 Jan 03 14:10	15°♏40'53 2.66228 AU
	10394 May 19 20:20	0°☿				10399 Jan 26 01:34	0°♐
asc. node	10394 May 29 18:01	7°☿46'09		desc. node		10399 Jan 28 08:23	1°♐26'58
	10394 Jun 26 20:40	0°♊		morning rise		10399 Feb 07 14:51	7°♐57'13
evening set	10394 Jul 08 15:09	9°♊19'54				10399 Mar 14 14:34	0°♑
	10394 Aug 03 19:45	0°♋				10399 May 01 13:13	0°♒
	10394 Sep 11 15:13	0°♌				10399 Jun 19 02:14	0°♓
						10399 Aug 08 09:33	0°♈
conjunction	10394 Sep 17 04:48	4°♌12'57	1°01'41			10399 Oct 05 12:08	0°☿
minimum elong	10394 Sep 17 02:37	4°♌08'50	1°01'40	retrograde		10399 Nov 21 14:00	11°☿30'12
	10394 Oct 22 00:46	0°♍		opposition		10399 Dec 21 20:52	6°☿23'13 -2°09'48
max. Earth dist.	10394 Nov 04 23:33	10°♍01'15	2.46199 AU	greatest brilliancy		10399 Dec 22 09:42	6°☿14'13 -2.9m
morning rise	10394 Nov 18 17:17	19°♍43'14		min. Earth dist.		10399 Dec 26 19:25	5°☿00'31 0.38148 AU
	10394 Dec 03 13:17	0°♎		asc. node		10400 Jan 20 03:11	0°☿44'07
	10395 Jan 17 12:56	0°♏		direct		10400 Jan 22 09:36	0°☿41'55
	10395 Mar 06 11:04	0°♐				10400 Apr 07 10:13	0°♊
desc. node	10395 Apr 25 22:00	28°♐49'42				10400 May 23 11:15	0°♋
	10395 Apr 28 03:05	0°♑				10400 Jul 06 13:18	0°♌
	10395 Jul 13 03:21	0°♒				10400 Aug 20 03:06	0°♍
retrograde	10395 Jul 29 04:26	1°♒26'12				10400 Oct 04 20:34	0°♎
	10395 Aug 13 06:35	30°♒♑				10400 Nov 20 15:31	0°♏
opposition	10395 Sep 05 17:14	22°♑44'48	-4°07'00	evening set		10400 Dec 14 20:20	15°♏21'08
greatest brilliancy	10395 Sep 06 10:27	22°♑28'14	-1.5m	desc. node		10400 Dec 15 05:19	15°♏35'21
min. Earth dist.	10395 Sep 11 01:05	20°♑41'51	0.62685 AU			10401 Jan 06 23:47	0°♐
direct	10395 Oct 16 22:48	12°♑46'29		max. Earth dist.		10401 Jan 25 03:55	11°♐30'42 2.68234 AU
	10395 Dec 15 14:41	0°♒					
	10396 Feb 05 01:00	0°♓		conjunction		10401 Jan 28 15:36	13°♐43'23 -0°23'03
	10396 Mar 19 00:34	0°♈		minimum elong		10401 Jan 28 14:57	13°♐42'21 0°22'40
asc. node	10396 Apr 15 19:38	20°♈51'07				10401 Feb 23 05:21	0°♑
	10396 Apr 27 17:00	0°☿		morning rise		10401 Mar 13 00:31	11°♑24'13
	10396 Jun 05 01:26	0°♊				10401 Apr 10 18:48	0°♒
	10396 Jul 13 09:14	0°♋				10401 May 26 08:52	0°♓
	10396 Aug 21 16:07	0°♌				10401 Jul 09 21:34	0°♈
evening set	10396 Sep 16 20:36	19°♌20'53				10401 Aug 22 12:26	0°☿
	10396 Oct 01 14:47	0°♍				10401 Oct 04 19:33	0°♎
						10401 Nov 18 21:13	0°♏
conjunction	10396 Nov 12 17:14	29°♍24'09	0°55'48	asc. node		10401 Dec 07 02:57	10°♏57'59
minimum elong	10396 Nov 12 18:45	29°♍26'45	0°56'11			10402 Jan 20 03:29	0°♌
	10396 Nov 13 14:16	0°♎		retrograde		10402 Feb 06 16:09	2°♌09'10
max. Earth dist.	10396 Dec 09 11:46	17°♎24'41	2.58714 AU			10402 Feb 24 01:57	30°♌♋
	10396 Dec 28 15:05	0°♏		min. Earth dist.		10402 Mar 04 12:51	27°♋40'56 0.40660 AU
morning rise	10397 Jan 02 00:49	2°♏52'00		greatest brilliancy		10402 Mar 10 15:04	25°♋47'20 -2.7m
	10397 Feb 13 13:13	0°♐		opposition		10402 Mar 12 04:08	25°♋18'17 5°35'06
desc. node	10397 Mar 12 15:14	16°♐48'27		direct		10402 Apr 11 19:25	19°♋35'57
	10397 Apr 03 08:20	0°♑				10402 May 25 19:25	0°♌

	10402 Jul 23 15:25	0°♌		minimum elong	10407 Jun 05 23:58	21°♊18'33	0°36'50
	10402 Sep 12 14:40	0°♊			10407 Jun 17 05:47	0°♊	
	10402 Nov 01 00:41	0°♊			10407 Jul 25 11:29	0°♊	
desc. node	10402 Nov 02 06:55	0°♊46'15		asc. node	10407 Jul 29 12:31	3°♊11'42	
	10402 Dec 19 15:11	0°♊		morning rise	10407 Aug 13 17:50	15°♊13'25	
evening set	10403 Jan 19 15:02	19°♊28'06			10407 Sep 01 11:50	0°♊	
	10403 Feb 05 03:57	0°♊			10407 Oct 10 04:01	0°♊	
max. Earth dist.	10403 Feb 16 20:10	7°♊30'30	2.64745 AU		10407 Nov 19 09:11	0°♌	
					10408 Jan 01 02:14	0°♊	
conjunction	10403 Mar 05 02:47	18°♊04'50	-0°56'07		10408 Feb 16 18:10	0°♊	
minimum elong	10403 Mar 05 01:42	18°♊03'04	0°55'57		10408 Apr 12 10:44	0°♊	
	10403 Mar 23 05:06	0°♊		retrograde	10408 Jun 08 15:11	15°♊13'16	
morning rise	10403 Apr 19 05:55	18°♊09'18		desc. node	10408 Jun 24 16:47	13°♊32'25	
	10403 May 06 12:52	0°♊		opposition	10408 Jul 19 03:22	5°♊29'43	-0°50'42
	10403 Jun 18 02:38	0°♊		greatest brilliancy	10408 Jul 19 02:59	5°♊30'06	-1.3m
	10403 Jul 29 03:19	0°♊		min. Earth dist.	10408 Jul 19 04:29	5°♊28'37	0.68262 AU
	10403 Sep 07 01:05	0°♊			10408 Aug 02 23:51	30°♊	
	10403 Oct 16 14:33	0°♊		direct	10408 Aug 29 06:16	25°♊39'48	
asc. node	10403 Oct 25 00:33	6°♊19'53			10408 Sep 27 00:21	0°♊	
	10403 Nov 26 03:33	0°♊			10408 Dec 03 20:34	0°♊	
	10404 Jan 09 10:58	0°♌			10409 Jan 22 18:39	0°♊	
	10404 Mar 17 09:05	0°♊			10409 Mar 08 05:28	0°♊	
retrograde	10404 Mar 29 02:17	0°♊57'21			10409 Apr 18 09:14	0°♊	
	10404 Apr 09 11:04	30°♊			10409 May 27 11:05	0°♊	
min. Earth dist.	10404 Apr 29 10:43	24°♊14'39	0.54211 AU	evening set	10409 Jun 08 19:40	9°♊41'57	
opposition	10404 May 06 16:55	21°♊27'57	4°42'17	asc. node	10409 Jun 15 10:19	14°♊54'51	
greatest brilliancy	10404 May 05 12:48	21°♊54'55	-1.9m		10409 Jul 04 11:23	0°♊	
direct	10404 Jun 11 08:11	13°♊33'17			10409 Aug 11 09:16	0°♊	
	10404 Aug 10 20:11	0°♊					
desc. node	10404 Sep 19 10:58	19°♊38'09		conjunction	10409 Aug 19 04:41	6°♊07'23	0°43'12
	10404 Oct 08 10:18	0°♊		minimum elong	10409 Aug 19 00:57	6°♊00'05	0°42'54
	10404 Nov 29 02:52	0°♊			10409 Sep 19 02:11	0°♊	
	10405 Jan 16 18:11	0°♊		max. Earth dist.	10409 Oct 11 14:07	16°♊56'14	2.40573 AU
evening set	10405 Feb 24 15:37	25°♊11'30		morning rise	10409 Oct 27 06:01	28°♊27'59	
	10405 Mar 03 21:06	0°♊			10409 Oct 29 08:34	0°♌	
max. Earth dist.	10405 Mar 14 15:02	7°♊13'25	2.55966 AU		10409 Dec 10 19:09	0°♊	
					10410 Jan 24 22:37	0°♊	
conjunction	10405 Apr 13 07:31	27°♊40'08	-1°08'18		10410 Mar 14 17:28	0°♊	
minimum elong	10405 Apr 13 07:44	27°♊40'31	1°08'29		10410 May 10 03:59	0°♊	
	10405 Apr 16 15:11	0°♊		desc. node	10410 May 12 14:25	1°♊06'40	
	10405 May 28 05:56	0°♊		retrograde	10410 Jul 14 00:19	18°♊04'39	
morning rise	10405 Jun 04 14:41	5°♊27'06		opposition	10410 Aug 22 08:56	9°♊00'55	-3°17'15
	10405 Jul 07 03:38	0°♊		greatest brilliancy	10410 Aug 22 18:21	8°♊51'44	-1.4m
	10405 Aug 14 22:26	0°♊		min. Earth dist.	10410 Aug 26 05:15	7°♊30'57	0.65549 AU
asc. node	10405 Sep 10 18:39	20°♊57'51			10410 Sep 20 07:03	30°♊	
	10405 Sep 22 08:48	0°♊		direct	10410 Oct 02 22:05	28°♊57'58	
	10405 Oct 31 09:25	0°♊			10410 Oct 16 03:31	0°♊	
	10405 Dec 11 04:54	0°♌			10410 Dec 28 21:59	0°♊	
	10406 Jan 24 18:26	0°♊			10411 Feb 14 13:10	0°♊	
	10406 Mar 20 20:10	0°♊			10411 Mar 28 14:34	0°♊	
retrograde	10406 May 06 09:18	11°♊27'29		asc. node	10411 May 03 11:22	27°♊17'40	
min. Earth dist.	10406 Jun 12 01:16	2°♊56'39	0.64350 AU		10411 May 06 22:55	0°♊	
opposition	10406 Jun 15 18:50	1°♊27'33	1°53'18		10411 Jun 14 02:38	0°♊	
greatest brilliancy	10406 Jun 15 13:07	1°♊33'15	-1.5m		10411 Jul 22 05:31	0°♊	
	10406 Jun 19 11:50	30°♊		evening set	10411 Aug 23 14:56	24°♊58'12	
direct	10406 Jul 24 22:58	22°♊17'40			10411 Aug 30 06:23	0°♊	
desc. node	10406 Aug 07 14:55	23°♊21'21			10411 Oct 09 22:19	0°♌	
	10406 Sep 02 13:37	0°♊					
	10406 Nov 06 08:56	0°♊		conjunction	10411 Oct 24 21:15	10°♌40'33	1°04'32
	10406 Dec 28 02:07	0°♊		minimum elong	10411 Oct 24 22:11	10°♌42'14	1°04'50
	10407 Feb 13 01:50	0°♊			10411 Nov 21 15:43	0°♊	
	10407 Mar 28 18:48	0°♊		max. Earth dist.	10411 Nov 28 20:42	4°♊54'46	2.54331 AU
evening set	10407 Apr 09 16:18	8°♊30'21		morning rise	10411 Dec 17 22:23	17°♊43'30	
max. Earth dist.	10407 Apr 24 15:40	19°♊24'22	2.43020 AU		10412 Jan 05 13:58	0°♊	
	10407 May 08 22:26	0°♊			10412 Feb 21 17:26	0°♊	
				desc. node	10412 Mar 29 07:29	22°♊14'48	
conjunction	10407 Jun 05 21:28	21°♊13'44	-0°36'24		10412 Apr 11 11:50	0°♊	

	10412 Jun 05 11:03	0°♊			10417 Aug 04 09:08	0°♎	
retrograde	10412 Aug 24 01:05	25°♊02'25			10417 Sep 21 10:43	0°♏	
opposition	10412 Sep 29 18:56	17°♊07'05 -5°08'54			10417 Nov 08 13:06	0°♐	
greatest brilliancy	10412 Oct 01 02:43	16°♊37'32 -1.8m	desc. node		10417 Nov 18 18:25	6°♐22'26	
min. Earth dist.	10412 Oct 07 05:49	14°♊21'28 0.56304 AU			10417 Dec 26 12:54	0°♑	
direct	10412 Nov 08 18:39	7°♊36'14	evening set		10418 Jan 05 20:40	6°♑29'43	
	10413 Jan 14 22:31	0°♋	max. Earth dist.		10418 Feb 07 18:25	27°♑22'01 2.66748 AU	
	10413 Mar 03 01:18	0°♌			10418 Feb 11 21:12	0°♋	
asc. node	10413 Mar 20 14:10	12°♌31'27					
	10413 Apr 13 01:58	0°♍	conjunction		10418 Feb 19 02:56	4°♋38'41 -0°45'00	
	10413 May 22 03:20	0°♎	minimum elong		10418 Feb 19 01:52	4°♋36'58 0°44'44	
	10413 Jun 30 00:22	0°♏			10418 Mar 30 01:41	0°♊	
	10413 Aug 08 20:17	0°♐	morning rise		10418 Apr 04 02:26	3°♊19'30	
	10413 Sep 19 07:57	0°♑			10418 May 13 18:57	0°♋	
evening set	10413 Oct 19 14:56	21°♑03'36			10418 Jun 25 23:10	0°♌	
	10413 Nov 01 18:35	0°♏			10418 Aug 06 17:35	0°♍	
conjunction	10413 Dec 09 11:05	25°♏01'59 0°34'10			10418 Sep 16 11:31	0°♎	
minimum elong	10413 Dec 09 12:14	25°♏03'52 0°34'38	asc. node		10418 Oct 27 01:49	0°♏	
	10413 Dec 17 01:48	0°♐			10418 Nov 10 17:59	10°♏38'38	
max. Earth dist.	10413 Dec 25 08:44	5°♐22'36 2.63930 AU			10418 Dec 08 10:54	0°♐	
morning rise	10414 Jan 24 22:14	24°♐58'06	retrograde		10419 Jan 28 11:02	0°♑	
	10414 Feb 01 20:37	0°♑	min. Earth dist.		10419 Mar 12 08:55	11°♑16'52	
desc. node	10414 Feb 14 00:02	7°♑40'07	greatest brilliancy		10419 Apr 10 06:34	5°♑28'42 0.48897 AU	
	10414 Mar 21 17:33	0°♋	opposition		10419 Apr 16 22:03	3°♑03'39 -2.2m	
	10414 May 09 16:11	0°♊			10419 Apr 18 11:50	2°♑29'03 5°34'39	
	10414 Jun 29 15:06	0°♋	direct		10419 Apr 25 14:22	30°♋♐	
	10414 Aug 26 11:09	0°♌			10419 May 22 07:24	25°♐19'17	
retrograde	10414 Oct 22 00:10	14°♌58'51			10419 Jun 20 04:39	0°♑	
opposition	10414 Nov 23 02:05	9°♌02'55 -4°30'53	desc. node		10419 Aug 26 07:04	0°♏	
greatest brilliancy	10414 Nov 24 13:55	8°♌34'50 -2.6m			10419 Oct 06 22:04	23°♏16'23	
min. Earth dist.	10414 Dec 01 05:39	6°♌30'31 0.42556 AU			10419 Oct 18 11:45	0°♐	
direct	10414 Dec 27 21:09	1°♌55'32			10419 Dec 07 14:42	0°♑	
asc. node	10415 Feb 05 19:01	11°♌51'38	evening set		10420 Jan 24 16:47	0°♋	
	10415 Mar 11 01:24	0°♍	max. Earth dist.		10420 Feb 10 19:14	10°♋59'03	
	10415 Apr 24 14:59	0°♎			10420 Mar 03 11:16	25°♋10'01 2.59998 AU	
	10415 Jun 05 09:52	0°♏			10420 Mar 10 17:50	0°♊	
	10415 Jul 17 08:59	0°♐	conjunction		10420 Mar 27 16:56	11°♊24'47 -1°07'14	
	10415 Aug 29 14:25	0°♑	minimum elong		10420 Mar 27 16:23	11°♊23'51 1°07'17	
	10415 Oct 13 10:01	0°♏			10420 Apr 23 16:13	0°♋	
	10415 Nov 28 15:11	0°♐	morning rise		10420 May 15 06:21	15°♋16'43	
evening set	10415 Dec 01 06:26	1°♐41'25			10420 Jun 04 14:37	0°♌	
desc. node	10416 Jan 01 19:12	21°♐48'20			10420 Jul 14 20:59	0°♍	
	10416 Jan 14 16:58	0°♑	asc. node		10420 Aug 23 00:01	0°♎	
conjunction	10416 Jan 16 00:03	0°♑49'18 -0°07'32			10420 Sep 27 12:35	27°♎31'13	
minimum elong	10416 Jan 15 23:50	0°♑48'57 0°07'05			10420 Sep 30 17:36	0°♏	
behind sun begin	10416 Jan 15 06:58	0°♑22'14			10420 Nov 09 02:19	0°♐	
behind sun end	10416 Jan 16 16:41	1°♑15'40			10420 Dec 20 13:47	0°♑	
max. Earth dist.	10416 Jan 17 14:36	1°♑50'27 2.68117 AU	retrograde		10421 Feb 05 07:28	0°♏	
morning rise	10416 Feb 28 14:34	28°♑29'25	min. Earth dist.		10421 Apr 22 07:23	27°♏07'16	
	10416 Mar 01 23:34	0°♋	opposition		10421 May 27 02:16	19°♏13'40 0.61082 AU	
	10416 Apr 17 22:53	0°♊	greatest brilliancy		10421 Jun 01 06:40	17°♏10'47 3°00'05	
	10416 Jun 03 09:26	0°♋	direct		10421 May 31 17:53	17°♏23'24 -1.6m	
	10416 Jul 19 08:32	0°♌	desc. node		10421 Jul 09 06:34	8°♏24'59	
	10416 Sep 03 07:23	0°♍			10421 Aug 24 03:14	18°♏27'58	
	10416 Oct 21 01:15	0°♎			10421 Sep 19 22:01	0°♐	
asc. node	10416 Dec 23 21:02	29°♎20'44			10421 Nov 15 12:51	0°♑	
	10416 Dec 27 00:49	0°♏			10422 Jan 04 15:56	0°♋	
retrograde	10417 Jan 10 05:16	1°♏22'33	evening set		10422 Feb 20 05:02	0°♊	
	10417 Jan 24 13:31	30°♋♎			10422 Mar 22 04:13	20°♊23'07	
min. Earth dist.	10417 Feb 06 03:46	27°♎00'52 0.37089 AU	max. Earth dist.		10422 Apr 04 21:29	0°♋	
greatest brilliancy	10417 Feb 09 09:52	26°♎07'01 -3.0m			10422 Apr 05 06:50	0°♋16'31 2.48414 AU	
opposition	10417 Feb 10 00:27	25°♎56'55 3°33'51	conjunction		10422 May 13 14:01	28°♋03'11 -0°56'03	
direct	10417 Mar 11 07:45	21°♎00'22	minimum elong		10422 May 13 16:00	28°♋06'51 0°56'27	
	10417 Apr 19 19:19	0°♏			10422 May 16 04:52	0°♌	
	10417 Jun 16 06:35	0°♐			10422 Jun 24 17:09	0°♍	



morning rise	10422 Jul 14 02:44	15°☾04'50		desc. node	10427 Apr 15 23:44	26°♊57'33	
	10422 Aug 02 03:10	0°♊			10427 Apr 21 10:40	0°♊	
asc. node	10422 Aug 15 07:18	10°♊22'28			10427 Jun 22 14:21	0°♊	
	10422 Sep 09 06:14	0°♊		retrograde	10427 Aug 07 09:33	9°♊57'29	
greatest brilliancy	10422 Sep 14 10:01	4°♊02'18	1.2m	opposition	10427 Sep 14 09:04	1°♊30'30	-4°32'38
	10422 Oct 17 23:48	0°♊		greatest brilliancy	10427 Sep 15 07:17	1°♊09'19	-1.6m
	10422 Nov 27 07:13	0°♊			10427 Sep 18 07:54	30°♊	
	10423 Jan 09 09:00	0°♊		min. Earth dist.	10427 Sep 20 11:40	29°♊11'01	0.60694 AU
	10423 Feb 26 12:53	0°♊		direct	10427 Oct 25 07:09	21°♊38'40	
	10423 May 05 23:39	0°♊			10427 Dec 03 07:55	0°♊	
retrograde	10423 May 27 10:35	2°♊39'41			10428 Jan 29 05:06	0°♊	
	10423 Jun 16 12:21	30°♊			10428 Mar 13 04:58	0°♊	
min. Earth dist.	10423 Jul 05 15:11	23°♊20'46	0.67517 AU	asc. node	10428 Apr 06 06:12	17°♊48'06	
opposition	10423 Jul 07 01:44	22°♊46'24	0°10'55		10428 Apr 22 06:11	0°♊	
greatest brilliancy	10423 Jul 07 01:37	22°♊46'31	-1.3m		10428 May 30 19:14	0°♊	
desc. node	10423 Jul 12 05:52	20°♊44'23			10428 Jul 08 06:18	0°♊	
direct	10423 Aug 16 14:52	13°♊08'56			10428 Aug 16 16:13	0°♊	
	10423 Oct 18 02:37	0°♊			10428 Sep 26 18:01	0°♊	
	10423 Dec 14 07:03	0°♊		evening set	10428 Sep 29 13:20	1°♊59'53	
	10424 Jan 31 15:57	0°♊			10428 Nov 08 19:58	0°♊	
	10424 Mar 15 17:09	0°♊					
	10424 Apr 25 19:46	0°♊		conjunction	10428 Nov 22 22:50	9°♊31'59	0°48'36
evening set	10424 May 13 04:50	13°♊10'28		minimum elong	10428 Nov 23 00:21	9°♊34'30	0°49'03
	10424 Jun 03 23:03	0°♊		max. Earth dist.	10428 Dec 15 16:17	24°♊36'43	2.60802 AU
asc. node	10424 Jul 02 02:12	22°♊07'32			10428 Dec 23 21:54	0°♊	
	10424 Jul 12 00:51	0°♊		morning rise	10429 Jan 10 15:41	11°♊29'25	
					10429 Feb 08 17:29	0°♊	
conjunction	10424 Jul 19 04:11	5°♊39'38	0°12'23	desc. node	10429 Mar 02 15:27	13°♊42'51	
minimum elong	10424 Jul 19 02:51	5°♊37'00	0°11'56		10429 Mar 29 02:26	0°♊	
behind sun begin	10424 Jul 18 05:57	4°♊55'35			10429 May 18 12:12	0°♊	
behind sun end	10424 Jul 19 23:44	6°♊18'25			10429 Jul 12 21:12	0°♊	
max. Earth dist.	10424 Jul 22 00:57	7°♊55'59	2.36453 AU	retrograde	10429 Sep 25 22:37	23°♊15'03	
	10424 Aug 18 22:56	0°♊		opposition	10429 Oct 30 04:19	16°♊25'27	-5°22'11
	10424 Sep 26 14:30	0°♊		greatest brilliancy	10429 Oct 31 22:06	15°♊49'36	-2.2m
morning rise	10424 Sep 30 14:06	3°♊02'05		min. Earth dist.	10429 Nov 07 23:21	13°♊25'41	0.48097 AU
	10424 Nov 05 18:53	0°♊		direct	10429 Dec 06 14:43	8°♊03'20	
	10424 Dec 18 05:09	0°♊			10430 Feb 08 12:20	0°♊	
	10425 Feb 01 16:15	0°♊		asc. node	10430 Feb 22 09:56	8°♊24'13	
	10425 Mar 23 21:22	0°♊			10430 Mar 26 10:45	0°♊	
	10425 May 28 21:10	0°♊			10430 May 06 10:03	0°♊	
desc. node	10425 May 29 04:59	0°♊05'55			10430 Jun 15 12:03	0°♊	
retrograde	10425 Jun 29 19:07	5°♊18'15			10430 Jul 26 07:18	0°♊	
	10425 Jul 28 22:39	30°♊			10430 Sep 06 15:21	0°♊	
opposition	10425 Aug 08 18:23	25°♊56'09	-2°23'04		10430 Oct 20 18:35	0°♊	
greatest brilliancy	10425 Aug 08 22:04	25°♊52'32	-1.3m	evening set	10430 Nov 15 18:39	17°♊09'35	
min. Earth dist.	10425 Aug 11 02:56	25°♊00'34	0.67417 AU		10430 Dec 05 12:52	0°♊	
direct	10425 Sep 19 08:28	15°♊54'38					
	10425 Nov 13 06:59	0°♊		conjunction	10431 Jan 01 23:36	17°♊37'33	0°08'44
	10426 Jan 08 06:59	0°♊		minimum elong	10431 Jan 01 23:54	17°♊38'02	0°09'13
	10426 Feb 23 03:26	0°♊		behind sun begin	10431 Jan 01 08:13	17°♊12'59	
	10426 Apr 05 16:41	0°♊		behind sun end	10431 Jan 02 15:36	18°♊03'04	
	10426 May 14 20:37	0°♊		max. Earth dist.	10431 Jan 08 19:34	21°♊59'06	2.67127 AU
asc. node	10426 May 20 02:19	4°♊05'50		desc. node	10431 Jan 18 09:10	28°♊04'21	
	10426 Jun 21 21:43	0°♊			10431 Jan 21 10:00	0°♊	
greatest brilliancy	10426 Jul 05 00:18	10°♊23'15	1.2m	morning rise	10431 Feb 15 07:17	15°♊46'08	
evening set	10426 Jul 25 20:28	26°♊49'49			10431 Mar 09 19:51	0°♊	
	10426 Jul 29 21:24	0°♊			10431 Apr 26 08:47	0°♊	
	10426 Sep 06 17:51	0°♊			10431 Jun 12 23:55	0°♊	
					10431 Jul 31 05:43	0°♊	
conjunction	10426 Oct 01 22:35	18°♊51'11	1°05'54		10431 Sep 20 03:18	0°♊	
minimum elong	10426 Oct 01 21:49	18°♊49'47	1°06'01	retrograde	10431 Dec 10 06:54	29°♊01'43	
	10426 Oct 17 04:44	0°♊		opposition	10432 Jan 08 22:41	24°♊07'48	-0°07'18
max. Earth dist.	10426 Nov 14 20:26	20°♊22'48	2.49275 AU	greatest brilliancy	10432 Jan 08 23:12	24°♊07'28	-3.1m
	10426 Nov 28 17:46	0°♊		asc. node	10432 Jan 10 11:58	23°♊43'04	
morning rise	10426 Nov 30 00:44	0°♊53'07		min. Earth dist.	10432 Jan 10 23:24	23°♊35'29	0.36774 AU
	10427 Jan 12 15:28	0°♊		direct	10432 Feb 07 21:48	19°♊02'15	
	10427 Mar 01 04:07	0°♊			10432 Mar 21 23:48	0°♊	

	10432 May 14 07:52	0°♎			10437 May 23 11:31	0°♊		
	10432 Jun 29 14:02	0°♊		morning rise	10437 Jun 17 16:08	18°♊52'57		
	10432 Aug 14 06:20	0°♎			10437 Jul 02 05:41	0°♋		
	10432 Sep 29 15:13	0°♈			10437 Aug 09 21:02	0°♌		
	10432 Nov 15 19:25	0°♋		asc. node	10437 Sep 01 01:00	17°♌22'29		
desc. node	10432 Dec 05 07:59	12°♋19'38			10437 Sep 17 04:11	0°♎		
evening set	10432 Dec 22 22:44	23°♋26'22			10437 Oct 26 01:05	0°♊		
	10433 Jan 02 08:13	0°♌			10437 Dec 05 14:07	0°♎		
max. Earth dist.	10433 Jan 30 04:28	17°♌37'50	2.67931 AU		10438 Jan 18 09:04	0°♈		
					10438 Mar 10 13:57	0°♋		
conjunction	10433 Feb 05 10:31	21°♌36'20	-0°31'39	retrograde	10438 May 14 03:12	19°♋40'26		
minimum elong	10433 Feb 05 09:39	21°♌34'59	0°31'19	min. Earth dist.	10438 Jun 20 18:34	10°♋51'19	0.65766 AU	
	10433 Feb 18 14:15	0°♈		opposition	10438 Jun 23 16:40	9°♋41'33	1°15'00	
morning rise	10433 Mar 20 21:14	19°♈30'01		greatest brilliancy	10438 Jun 23 13:47	9°♋44'26	-1.4m	
	10433 Apr 06 00:15	0°♎		desc. node	10438 Jul 28 18:46	0°♋28'38		
	10433 May 21 06:16	0°♉		direct	10438 Aug 02 10:39	0°♋20'39		
	10433 Jul 04 06:03	0°♊			10438 Oct 30 13:19	0°♌		
	10433 Aug 16 01:57	0°♋			10438 Dec 22 18:07	0°♈		
	10433 Sep 27 04:29	0°♌			10439 Feb 08 04:47	0°♎		
	10433 Nov 08 20:10	0°♎			10439 Mar 24 00:59	0°♉		
asc. node	10433 Nov 27 12:15	12°♎28'48		evening set	10439 Apr 21 04:16	20°♉19'48		
	10433 Dec 26 12:20	0°♊			10439 May 04 04:46	0°♊		
retrograde	10434 Feb 19 22:23	17°♊51'38		max. Earth dist.	10439 May 09 14:42	4°♊04'00	2.40115 AU	
min. Earth dist.	10434 Mar 18 12:44	12°♊59'08	0.43417 AU		10439 Jun 12 10:49	0°♋		
greatest brilliancy	10434 Mar 25 03:47	10°♊47'04	-2.5m					
opposition	10434 Mar 26 21:04	10°♊12'22	5°54'24	conjunction	10439 Jun 20 17:00	6°♋26'23	-0°20'45	
direct	10434 Apr 27 17:07	3°♊57'33		minimum elong	10439 Jun 20 18:53	6°♋30'05	0°21'13	
	10434 Jul 14 10:53	0°♎		asc. node	10439 Jul 19 21:06	29°♋24'39		
	10434 Sep 06 06:54	0°♈			10439 Jul 20 14:59	0°♌		
desc. node	10434 Oct 23 10:04	27°♈59'24			10439 Aug 27 13:58	0°♎		
	10434 Oct 26 18:00	0°♋		morning rise	10439 Aug 31 19:16	3°♎19'00		
	10434 Dec 14 19:39	0°♌			10439 Oct 05 04:52	0°♊		
evening set	10435 Jan 27 14:03	27°♌28'59			10439 Nov 14 08:19	0°♎		
	10435 Jan 31 12:41	0°♈			10439 Dec 26 20:42	0°♈		
max. Earth dist.	10435 Feb 22 07:55	14°♈03'26	2.63260 AU		10440 Feb 10 21:38	0°♋		
					10440 Apr 03 16:40	0°♌		
conjunction	10435 Mar 13 10:22	26°♈35'17	-1°01'18	desc. node	10440 Jun 14 19:14	22°♌50'17		
minimum elong	10435 Mar 13 09:24	26°♈33'41	1°01'14	retrograde	10440 Jun 16 05:47	22°♌51'03		
	10435 Mar 18 13:50	0°♎		opposition	10440 Jul 26 14:55	13°♌14'10	-1°25'42	
morning rise	10435 Apr 28 12:48	27°♎46'01		greatest brilliancy	10440 Jul 26 15:16	13°♌13'49	-1.3m	
	10435 May 01 18:11	0°♉		min. Earth dist.	10440 Jul 27 11:42	12°♌53'37	0.68253 AU	
	10435 Jun 13 02:25	0°♊		direct	10440 Sep 05 23:45	3°♌19'01		
	10435 Jul 23 20:09	0°♋			10440 Nov 26 18:30	0°♈		
	10435 Sep 01 10:35	0°♌			10441 Jan 17 06:22	0°♎		
	10435 Oct 10 15:25	0°♎			10441 Mar 03 03:49	0°♉		
asc. node	10435 Oct 15 07:17	3°♎33'02			10441 Apr 13 11:06	0°♊		
	10435 Nov 19 14:37	0°♊			10441 May 22 13:49	0°♋		
	10436 Jan 01 09:59	0°♎		asc. node	10441 Jun 05 19:01	11°♋09'27		
	10436 Feb 22 23:40	0°♈		evening set	10441 Jun 25 06:38	26°♋34'15		
retrograde	10436 Apr 07 05:46	11°♈17'27			10441 Jun 29 14:25	0°♌		
min. Earth dist.	10436 May 09 21:13	4°♈07'53	0.56877 AU		10441 Aug 06 12:37	0°♎		
opposition	10436 May 16 11:03	1°♈34'34	4°06'27					
greatest brilliancy	10436 May 15 12:49	1°♈56'10	-1.8m	conjunction	10441 Sep 04 22:07	22°♎51'46	0°55'30	
	10436 May 20 14:11	30°♎♎		minimum elong	10441 Sep 04 18:55	22°♎45'37	0°55'22	
direct	10436 Jun 22 00:19	23°♎19'37			10441 Sep 14 05:58	0°♊		
	10436 Jul 27 23:39	0°♈			10441 Oct 24 12:49	0°♎		
desc. node	10436 Sep 09 14:32	18°♈33'31		max. Earth dist.	10441 Oct 27 01:50	1°♎50'42	2.43666 AU	
	10436 Oct 01 19:11	0°♋		morning rise	10441 Nov 09 09:37	11°♎25'10		
	10436 Nov 23 20:06	0°♌			10441 Dec 05 22:41	0°♈		
	10437 Jan 11 22:46	0°♈			10442 Jan 19 21:55	0°♋		
	10437 Feb 27 05:28	0°♎			10442 Mar 09 01:36	0°♌		
evening set	10437 Mar 05 12:06	4°♎12'17			10442 May 01 21:00	0°♈		
max. Earth dist.	10437 Mar 21 16:58	15°♎12'40	2.53429 AU	desc. node	10442 May 02 14:53	0°♈22'37		
	10437 Apr 11 23:11	0°♉		retrograde	10442 Jul 22 12:13	26°♈07'19		
				opposition	10442 Aug 30 10:44	17°♈15'11	-3°46'50	
conjunction	10437 Apr 23 13:12	8°♉13'22	-1°06'08	greatest brilliancy	10442 Aug 31 00:16	17°♈02'05	-1.4m	
minimum elong	10437 Apr 23 14:02	8°♉14'51	1°06'24	min. Earth dist.	10442 Sep 04 02:41	15°♈26'53	0.64098 AU	

direct	10442 Oct 10 20:56	7° $\text{X}$ 13'57		conjunction	10448 Jan 23 19:49	8° $\approx$ 42'51	-0°16'45
	10442 Dec 20 23:39	0° $\text{Y}$		minimum elong	10448 Jan 23 19:19	8° $\approx$ 42'04	0°16'19
	10443 Feb 08 13:51	0° $\text{B}$		max. Earth dist.	10448 Jan 22 15:11	7° $\approx$ 57'29	2.68288 AU
	10443 Mar 23 04:21	0° $\text{II}$			10448 Feb 26 07:49	0° $\text{X}$	
asc. node	10443 Apr 23 20:05	23° $\text{II}$ 53'45		morning rise	10448 Mar 07 05:55	6° $\text{X}$ 19'53	
	10443 May 01 17:35	0° $\text{G}$			10448 Apr 13 01:46	0° $\text{Y}$	
	10443 Jun 08 23:56	0° $\text{Q}$			10448 May 29 00:35	0° $\text{B}$	
	10443 Jul 17 05:01	0° $\text{P}$			10448 Jul 13 03:25	0° $\text{II}$	
	10443 Aug 25 08:07	0° $\text{L}$			10448 Aug 26 15:08	0° $\text{G}$	
evening set	10443 Sep 07 07:46	9° $\text{L}$ 42'21			10448 Oct 10 08:29	0° $\text{Q}$	
	10443 Oct 05 02:31	0° $\text{M}$			10448 Nov 27 22:47	0° $\text{P}$	
				asc. node	10448 Dec 14 04:04	8° $\text{P}$ 17'04	
conjunction	10443 Nov 05 10:53	22° $\text{M}$ 07'02	1°00'09	retrograde	10449 Jan 26 08:46	19° $\text{P}$ 40'17	
minimum elong	10443 Nov 05 12:17	22° $\text{M}$ 09'27	1°00'32	min. Earth dist.	10449 Feb 21 04:41	15° $\text{P}$ 22'49	0.38765 AU
	10443 Nov 16 21:45	0° $\text{J}$		greatest brilliancy	10449 Feb 26 08:52	13° $\text{P}$ 51'47	-2.9m
max. Earth dist.	10443 Dec 05 19:12	12° $\text{J}$ 47'12	2.56848 AU	opposition	10449 Feb 27 14:00	13° $\text{P}$ 30'18	4°58'47
morning rise	10443 Dec 27 06:53	27° $\text{J}$ 01'39		direct	10449 Mar 29 09:50	8° $\text{P}$ 12'11	
	10443 Dec 31 19:56	0° $\text{Z}$			10449 Jun 05 03:50	0° $\text{L}$	
	10444 Feb 16 18:42	0° $\approx$			10449 Jul 28 05:19	0° $\text{M}$	
desc. node	10444 Mar 19 08:11	19° $\approx$ 27'13			10449 Sep 15 17:08	0° $\text{J}$	
	10444 Apr 05 21:31	0° $\text{X}$			10449 Nov 03 11:52	0° $\text{Z}$	
	10444 May 28 15:29	0° $\text{Y}$		desc. node	10449 Nov 08 22:06	3° $\text{Z}$ 21'08	
	10444 Aug 04 11:53	0° $\text{B}$			10449 Dec 21 19:31	0° $\approx$	
retrograde	10444 Sep 04 00:24	4° $\text{B}$ 53'18		evening set	10450 Jan 13 17:21	14° $\approx$ 23'35	
	10444 Oct 02 06:13	30° $\text{K}$ $\text{Y}$			10450 Feb 07 06:40	0° $\text{X}$	
opposition	10444 Oct 09 23:49	27° $\text{Y}$ 18'33	-5°21'53	max. Earth dist.	10450 Feb 12 23:10	3° $\text{X}$ 38'49	2.65745 AU
greatest brilliancy	10444 Oct 11 12:28	26° $\text{Y}$ 45'14	-1.9m				
min. Earth dist.	10444 Oct 18 02:28	24° $\text{Y}$ 22'30	0.53559 AU	conjunction	10450 Feb 27 01:03	12° $\text{X}$ 43'51	-0°51'49
direct	10444 Nov 18 06:31	18° $\text{Y}$ 06'05		minimum elong	10450 Feb 26 23:57	12° $\text{X}$ 42'04	0°51'38
	10445 Jan 03 03:51	0° $\text{B}$			10450 Mar 25 10:05	0° $\text{Y}$	
	10445 Feb 23 18:27	0° $\text{II}$		morning rise	10450 Apr 12 13:41	12° $\text{Y}$ 05'36	
asc. node	10445 Mar 11 00:41	10° $\text{II}$ 30'50			10450 May 08 22:45	0° $\text{B}$	
	10445 Apr 06 20:19	0° $\text{G}$			10450 Jun 20 19:36	0° $\text{II}$	
	10445 May 16 08:54	0° $\text{Q}$			10450 Aug 01 04:12	0° $\text{G}$	
	10445 Jun 24 13:20	0° $\text{P}$			10450 Sep 10 10:21	0° $\text{Q}$	
	10445 Aug 03 15:10	0° $\text{L}$			10450 Oct 20 08:49	0° $\text{P}$	
	10445 Sep 14 08:13	0° $\text{M}$		asc. node	10450 Nov 01 02:15	8° $\text{P}$ 43'02	
	10445 Oct 27 23:15	0° $\text{J}$			10450 Nov 30 11:20	0° $\text{L}$	
evening set	10445 Oct 29 23:01	1° $\text{J}$ 20'18			10451 Jan 15 10:51	0° $\text{M}$	
	10445 Dec 12 09:18	0° $\text{Z}$		retrograde	10451 Mar 22 17:01	23° $\text{M}$ 19'53	
				min. Earth dist.	10451 Apr 21 23:50	17° $\text{M}$ 01'07	0.51897 AU
conjunction	10445 Dec 18 06:40	3° $\text{Z}$ 49'09	0°24'59	greatest brilliancy	10451 Apr 28 09:31	14° $\text{M}$ 36'49	-2.0m
minimum elong	10445 Dec 18 07:31	3° $\text{Z}$ 50'32	0°25'29	opposition	10451 Apr 29 18:17	14° $\text{M}$ 05'57	5°07'12
max. Earth dist.	10445 Dec 30 18:42	11° $\text{Z}$ 52'56	2.65303 AU	direct	10451 Jun 03 14:37	6° $\text{M}$ 30'10	
	10446 Jan 28 03:53	0° $\approx$			10451 Aug 17 17:10	0° $\text{J}$	
morning rise	10446 Feb 01 19:39	2° $\approx$ 57'06		desc. node	10451 Sep 27 01:45	21° $\text{J}$ 16'44	
desc. node	10446 Feb 04 01:11	4° $\approx$ 21'50			10451 Oct 12 13:40	0° $\text{Z}$	
	10446 Mar 16 19:36	0° $\text{X}$			10451 Dec 02 13:13	0° $\approx$	
	10446 May 04 03:27	0° $\text{Y}$			10452 Jan 19 23:24	0° $\text{X}$	
	10446 Jun 22 13:32	0° $\text{B}$		evening set	10452 Feb 19 03:56	19° $\text{X}$ 27'44	
	10446 Aug 14 03:38	0° $\text{II}$			10452 Mar 06 02:39	0° $\text{Y}$	
retrograde	10446 Nov 07 15:26	29° $\text{II}$ 46'14		max. Earth dist.	10452 Mar 09 17:13	2° $\text{Y}$ 24'35	2.57868 AU
opposition	10446 Dec 08 15:44	24° $\text{II}$ 19'19	-3°23'18				
greatest brilliancy	10446 Dec 09 16:02	24° $\text{II}$ 01'22	-2.8m	conjunction	10452 Apr 05 22:24	20° $\text{Y}$ 54'55	-1°08'33
min. Earth dist.	10446 Dec 15 08:47	22° $\text{II}$ 21'06	0.39890 AU	minimum elong	10452 Apr 05 22:16	20° $\text{Y}$ 54'41	1°08'42
direct	10447 Jan 10 15:43	18° $\text{II}$ 00'13			10452 Apr 18 23:43	0° $\text{B}$	
asc. node	10447 Jan 27 04:14	19° $\text{II}$ 53'56		morning rise	10452 May 26 09:02	26° $\text{B}$ 46'04	
	10447 Feb 24 00:37	0° $\text{G}$			10452 May 30 18:58	0° $\text{II}$	
	10447 Apr 15 17:11	0° $\text{Q}$			10452 Jul 09 21:11	0° $\text{G}$	
	10447 May 29 08:08	0° $\text{P}$			10452 Aug 17 19:55	0° $\text{Q}$	
	10447 Jul 11 06:46	0° $\text{L}$		asc. node	10452 Sep 17 20:56	24° $\text{Q}$ 09'52	
	10447 Aug 24 03:24	0° $\text{M}$			10452 Sep 25 09:12	0° $\text{P}$	
	10447 Oct 08 09:15	0° $\text{J}$			10452 Nov 03 12:01	0° $\text{L}$	
	10447 Nov 23 21:00	0° $\text{Z}$			10452 Dec 14 11:40	0° $\text{M}$	
evening set	10447 Dec 09 16:04	10° $\text{Z}$ 04'09			10453 Jan 28 15:30	0° $\text{J}$	
desc. node	10447 Dec 22 21:10	18° $\text{Z}$ 27'44			10453 Mar 29 11:05	0° $\text{Z}$	
	10448 Jan 10 01:49	0° $\approx$		retrograde	10453 Apr 30 10:38	5° $\text{Z}$ 57'01	

	10453 May 30 07:43	30°R♂		asc. node	10458 May 10 11:55	0°♄31'09	
min. Earth dist.	10453 Jun 05 07:15	27°♂42'27	0.63006 AU		10458 Jun 16 22:36	0°♂	
opposition	10453 Jun 09 16:56	25°♂57'40	2°21'06		10458 Jul 24 23:40	0°♎	
greatest brilliancy	10453 Jun 09 08:29	26°♂06'02	-1.5m	evening set	10458 Aug 11 09:40	13°♎33'01	
direct	10453 Jul 18 09:51	16°♂57'48			10458 Sep 01 21:31	0°♊	
desc. node	10453 Aug 14 05:58	20°♂48'08			10458 Oct 12 09:47	0°♌	
	10453 Sep 09 23:27	0°♄					
	10453 Nov 09 12:53	0°♌		conjunction	10458 Oct 15 08:04	2°♌06'46	1°06'14
	10453 Dec 30 14:03	0°♎		minimum elong	10458 Oct 15 08:27	2°♌07'28	1°06'28
	10454 Feb 15 10:34	0°♎		max. Earth dist.	10458 Nov 23 05:06	29°♌28'01	2.52145 AU
	10454 Mar 31 04:34	0°♄			10458 Nov 23 23:44	0°♂	
evening set	10454 Apr 01 09:24	0°♄51'02		morning rise	10458 Dec 10 11:04	11°♂12'01	
max. Earth dist.	10454 Apr 15 08:34	10°♄50'20	2.45451 AU		10459 Jan 07 20:00	0°♄	
	10454 May 11 11:02	0°♊			10459 Feb 24 01:28	0°♌	
				desc. node	10459 Apr 06 00:22	24°♌37'39	
conjunction	10454 May 26 06:21	11°♊07'54	-0°46'05		10459 Apr 15 07:42	0°♎	
minimum elong	10454 May 26 08:48	11°♊12'32	0°46'33		10459 Jun 11 08:51	0°♎	
	10454 Jun 19 21:15	0°♄		retrograde	10459 Aug 17 03:48	18°♎52'09	
	10454 Jul 28 05:10	0°♂		opposition	10459 Sep 23 12:11	10°♎41'43	-4°54'59
morning rise	10454 Jul 30 21:55	2°♂07'38		greatest brilliancy	10459 Sep 24 15:45	10°♎15'47	-1.7m
asc. node	10454 Aug 05 14:02	6°♂36'04		min. Earth dist.	10459 Sep 30 09:32	8°♎06'39	0.58370 AU
	10454 Sep 04 06:36	0°♎		direct	10459 Nov 02 23:27	0°♎59'57	
	10454 Oct 12 22:34	0°♊			10460 Jan 21 09:52	0°♄	
	10454 Nov 22 03:13	0°♌			10460 Mar 06 23:23	0°♊	
	10455 Jan 03 21:33	0°♂		asc. node	10460 Mar 27 14:21	14°♊59'03	
	10455 Feb 19 23:11	0°♄			10460 Apr 16 13:19	0°♄	
	10455 Apr 19 11:07	0°♌			10460 May 25 08:47	0°♂	
retrograde	10455 Jun 03 23:31	10°♌23'12			10460 Jul 03 00:43	0°♎	
desc. node	10455 Jul 02 08:28	5°♌13'48			10460 Aug 11 15:00	0°♊	
opposition	10455 Jul 14 14:05	0°♌34'50	-0°25'35		10460 Sep 21 20:50	0°♌	
min. Earth dist.	10455 Jul 13 23:00	0°♌49'48	0.68054 AU	evening set	10460 Oct 11 05:53	13°♌37'23	
greatest brilliancy	10455 Jul 14 13:41	0°♌35'14	-1.3m		10460 Nov 04 02:12	0°♂	
	10455 Jul 16 01:13	30°R♄					
direct	10455 Aug 24 12:05	20°♄50'04		conjunction	10460 Dec 02 12:42	19°♂02'00	0°40'27
	10455 Oct 07 03:25	0°♌		minimum elong	10460 Dec 02 14:03	19°♂04'13	0°40'56
	10455 Dec 08 04:34	0°♎			10460 Dec 19 05:44	0°♄	
	10456 Jan 26 11:38	0°♎		max. Earth dist.	10460 Dec 21 11:02	1°♄26'47	2.62637 AU
	10456 Mar 10 19:41	0°♄		morning rise	10461 Jan 18 21:34	19°♄46'28	
	10456 Apr 21 00:16	0°♊			10461 Feb 03 23:45	0°♌	
evening set	10456 May 27 16:52	28°♊05'52		desc. node	10461 Feb 20 16:46	10°♌31'10	
	10456 May 30 03:23	0°♄			10461 Mar 24 00:51	0°♎	
asc. node	10456 Jun 22 10:46	18°♄19'24			10461 May 12 12:20	0°♎	
	10456 Jul 07 04:30	0°♂			10461 Jul 03 22:37	0°♄	
					10461 Sep 07 22:24	0°♊	
conjunction	10456 Aug 05 15:07	23°♂19'56	0°30'56	retrograde	10461 Oct 10 01:18	5°♊29'53	
minimum elong	10456 Aug 05 11:56	23°♂13'40	0°30'33		10461 Nov 09 11:52	30°R♄	
	10456 Aug 14 02:08	0°♎		opposition	10461 Nov 12 02:33	29°♄09'24	-5°01'10
	10456 Sep 21 17:32	0°♊		greatest brilliancy	10461 Nov 13 19:02	28°♄36'14	-2.4m
max. Earth dist.	10456 Sep 23 17:24	1°♊31'19	2.38244 AU	min. Earth dist.	10461 Nov 20 18:45	26°♄19'44	0.44972 AU
morning rise	10456 Oct 16 04:00	18°♊25'00		direct	10461 Dec 18 05:03	21°♄25'31	
	10456 Oct 31 21:40	0°♌			10462 Jan 24 03:49	0°♊	
	10456 Dec 13 06:26	0°♂		asc. node	10462 Feb 12 19:02	9°♊37'00	
	10457 Jan 27 10:43	0°♄			10462 Mar 17 20:58	0°♄	
	10457 Mar 17 15:25	0°♌			10462 Apr 29 10:15	0°♂	
	10457 May 15 12:22	0°♎			10462 Jun 09 07:16	0°♎	
desc. node	10457 May 19 06:59	1°♎32'51			10462 Jul 20 15:34	0°♊	
retrograde	10457 Jul 07 19:48	13°♎04'02			10462 Sep 01 09:29	0°♌	
opposition	10457 Aug 16 11:47	3°♎51'34	-2°55'12		10462 Oct 15 20:21	0°♂	
greatest brilliancy	10457 Aug 16 18:24	3°♎45'05	-1.3m	evening set	10462 Nov 24 18:11	26°♂05'31	
min. Earth dist.	10457 Aug 19 16:01	2°♎37'00	0.66510 AU		10462 Nov 30 19:36	0°♄	
	10457 Aug 26 13:58	30°R♌		desc. node	10463 Jan 08 11:31	24°♄43'35	
direct	10457 Sep 27 02:30	23°♌48'45					
	10457 Oct 31 07:56	0°♎		conjunction	10463 Jan 10 01:23	25°♄43'48	-0°00'51
	10458 Jan 01 18:44	0°♎		minimum elong	10463 Jan 10 01:21	25°♄43'44	0°00'22
	10458 Feb 17 15:33	0°♄		behind sun begin	10463 Jan 09 06:48	25°♄14'16	
	10458 Mar 31 12:52	0°♊		behind sun end	10463 Jan 10 19:53	26°♄13'12	
	10458 May 09 19:56	0°♄		max. Earth dist.	10463 Jan 13 21:44	28°♄10'33	2.67788 AU

	10463 Jan 16 18:39	0°≈		opposition	10468 May 25 16:02	11°≈08'58	3°28'26
morning rise	10463 Feb 22 21:51	23°≈32'29		greatest brilliancy	10468 May 24 23:25	11°≈25'17	-1.7m
	10463 Mar 05 02:28	0°✕		direct	10468 Jul 02 01:54	2°≈35'59	
	10463 Apr 21 07:29	0°♿		desc. node	10468 Aug 30 18:11	18°≈22'50	
	10463 Jun 07 05:46	0°♄			10468 Sep 24 08:58	0°♄	
	10463 Jul 24 01:59	0°♂			10468 Nov 18 07:22	0°≈	
	10463 Sep 09 15:59	0°♄			10469 Jan 07 00:37	0°✕	
	10463 Oct 31 20:39	0°♂			10469 Feb 22 12:13	0°♿	
retrograde	10463 Dec 28 14:51	17°♂32'32		evening set	10469 Mar 14 19:11	13°♿41'37	
asc. node	10463 Dec 31 22:04	17°♂28'04		max. Earth dist.	10469 Mar 29 15:17	23°♿56'28	2.50732 AU
min. Earth dist.	10464 Jan 26 06:43	12°♂51'16	0.36478 AU		10469 Apr 07 06:34	0°♄	
opposition	10464 Jan 27 13:49	12°♂30'31	2°04'30				
greatest brilliancy	10464 Jan 27 09:38	12°♂33'19	-3.1m	conjunction	10469 May 04 12:51	19°♄33'46	-1°01'26
direct	10464 Feb 25 21:25	7°♂39'03		minimum elong	10469 May 04 14:20	19°♄36'29	1°01'47
	10464 May 02 09:14	0°♄			10469 May 18 17:20	0°♂	
	10464 Jun 21 18:12	0°♂			10469 Jun 27 09:03	0°♄	
	10464 Aug 08 00:36	0°♄		morning rise	10469 Jul 01 23:28	3°♄32'56	
	10464 Sep 24 05:34	0°♄			10469 Aug 04 21:41	0°♂	
	10464 Nov 10 20:59	0°♄		asc. node	10469 Aug 22 09:19	13°♂44'26	
desc. node	10464 Nov 25 10:02	9°♄07'34			10469 Sep 12 02:20	0°♄	
	10464 Dec 28 15:35	0°≈			10469 Oct 20 20:29	0°♂	
evening set	10464 Dec 30 22:37	1°≈26'38			10469 Nov 30 04:27	0°♄	
max. Earth dist.	10465 Feb 04 04:59	23°≈46'10	2.67387 AU		10470 Jan 12 10:22	0°♄	
					10470 Mar 02 10:28	0°♄	
conjunction	10465 Feb 13 05:43	29°≈32'00	-0°39'43	retrograde	10470 May 21 18:29	27°♄40'12	
minimum elong	10465 Feb 13 04:43	29°≈30'24	0°39'25	min. Earth dist.	10470 Jun 29 07:25	18°♄34'13	0.66856 AU
	10465 Feb 13 23:14	0°✕		opposition	10470 Jul 01 10:04	17°♄43'52	0°37'12
morning rise	10465 Mar 28 21:40	27°✕47'14		greatest brilliancy	10470 Jul 01 09:06	17°♄44'49	-1.4m
	10465 Apr 01 06:38	0°♿		desc. node	10470 Jul 18 21:55	11°♄29'20	
	10465 May 16 06:02	0°♄		direct	10470 Aug 10 15:47	8°♄13'15	
	10465 Jun 28 19:11	0°♂			10470 Oct 22 20:21	0°≈	
	10465 Aug 10 00:31	0°♄			10470 Dec 17 04:24	0°✕	
	10465 Sep 20 07:13	0°♂			10471 Feb 03 04:53	0°♿	
	10465 Oct 31 14:29	0°♄			10471 Mar 19 05:16	0°♄	
asc. node	10465 Nov 17 20:01	12°♄10'47			10471 Apr 29 09:39	0°♂	
	10465 Dec 14 09:55	0°♂		evening set	10471 May 03 18:03	3°♂15'59	
	10466 Feb 14 15:21	0°♄		max. Earth dist.	10471 Jun 03 20:27	27°♂04'01	2.37556 AU
retrograde	10466 Mar 03 21:08	2°♄05'54			10471 Jun 07 14:59	0°♄	
	10466 Mar 20 16:14	30°♄					
min. Earth dist.	10466 Mar 31 17:21	26°♄42'56	0.46421 AU	conjunction	10471 Jul 06 21:12	22°♄58'46	-0°02'25
greatest brilliancy	10466 Apr 07 10:39	24°♄21'06	-2.3m	minimum elong	10471 Jul 06 21:32	22°♄59'24	0°02'54
opposition	10466 Apr 09 03:17	23°♄45'02	5°49'36	behind sun begin	10471 Jul 05 16:16	22°♄01'35	
direct	10466 May 12 01:18	16°♄58'46		behind sun end	10471 Jul 08 02:48	23°♄57'15	
	10466 Jul 02 08:08	0°♄		asc. node	10471 Jul 10 03:43	25°♄34'00	
	10466 Aug 30 09:28	0°♄			10471 Jul 15 18:07	0°♂	
desc. node	10466 Oct 13 12:51	25°♄25'57			10471 Aug 22 16:29	0°♄	
	10466 Oct 21 06:09	0°♄		morning rise	10471 Sep 18 11:58	20°♄55'49	
	10466 Dec 09 21:39	0°≈			10471 Sep 30 07:04	0°♂	
	10467 Jan 26 20:28	0°✕			10471 Nov 09 09:40	0°♄	
evening set	10467 Feb 04 15:34	5°✕37'48			10471 Dec 21 19:01	0°♄	
max. Earth dist.	10467 Feb 28 00:42	20°✕48'32	2.61563 AU		10472 Feb 05 08:54	0°♄	
	10467 Mar 13 22:33	0°♿			10472 Mar 27 08:10	0°≈	
				desc. node	10472 Jun 04 21:35	28°≈24'50	
conjunction	10467 Mar 21 23:53	5°♿22'47	-1°05'17		10472 Jun 15 05:35	0°✕	
minimum elong	10467 Mar 21 23:07	5°♿21'31	1°05'18	retrograde	10472 Jun 23 22:01	0°✕26'55	
	10467 Apr 27 00:38	0°♄			10472 Jul 02 07:50	30°♄	
morning rise	10467 May 08 07:42	7°♄54'36		opposition	10472 Aug 03 02:43	20°≈57'39	-1°59'40
	10467 Jun 08 04:18	0°♂		greatest brilliancy	10472 Aug 03 04:38	20°≈55'47	-1.3m
	10467 Jul 18 16:16	0°♄		min. Earth dist.	10472 Aug 04 19:07	20°≈17'51	0.67921 AU
	10467 Aug 27 00:21	0°♂		direct	10472 Sep 13 15:44	10°≈58'28	
	10467 Oct 04 22:23	0°♄			10472 Nov 18 15:50	0°✕	
asc. node	10467 Oct 05 14:43	0°♄31'24			10473 Jan 11 12:12	0°♿	
	10467 Nov 13 11:38	0°♂			10473 Feb 25 23:41	0°♄	
	10467 Dec 25 08:13	0°♄			10473 Apr 08 11:25	0°♂	
	10468 Feb 11 13:54	0°♄			10473 May 17 15:27	0°♄	
retrograde	10468 Apr 15 23:11	21°♄00'51		asc. node	10473 May 27 02:44	7°♄25'13	
min. Earth dist.	10468 May 19 19:54	13°♄26'27	0.59312 AU		10473 Jun 24 16:20	0°♂	

evening set	10473 Jul 12 11:50	14°♏07'11			10478 Mar 11 23:59	0°♐	
	10473 Aug 01 14:58	0°♐			10478 Apr 28 20:20	0°♑	
	10473 Sep 09 09:15	0°♑			10478 Jun 16 04:02	0°♒	
					10478 Aug 04 21:37	0°♓	
conjunction	10473 Sep 20 16:25	8°♑32'45	1°03'09		10478 Sep 29 09:36	0°♑	
minimum elong	10473 Sep 20 14:34	8°♑29'16	1°03'11	retrograde	10478 Nov 25 14:32	16°♑05'37	
	10473 Oct 19 17:04	0°♒		opposition	10478 Dec 25 17:04	11°♑02'32	-1°42'52
max. Earth dist.	10473 Nov 07 12:42	13°♒30'19	2.46828 AU	greatest brilliancy	10478 Dec 26 02:38	10°♑55'56	-3.0m
morning rise	10473 Nov 21 11:40	23°♒19'05		min. Earth dist.	10478 Dec 30 04:19	9°♑48'53	0.37805 AU
	10473 Dec 01 03:19	0°♒		asc. node	10479 Jan 17 12:44	5°♑58'28	
	10474 Jan 14 23:49	0°♓		direct	10479 Jan 25 19:59	5°♑29'34	
	10474 Mar 03 16:30	0°♓			10479 Apr 04 02:30	0°♒	
desc. node	10474 Apr 22 16:41	28°♓53'01			10479 May 21 06:56	0°♑	
	10474 Apr 24 18:20	0°♐			10479 Jul 04 17:33	0°♑	
	10474 Jul 02 09:41	0°♑			10479 Aug 18 10:49	0°♒	
retrograde	10474 Jul 31 08:19	4°♑22'43			10479 Oct 03 05:46	0°♒	
	10474 Aug 26 21:23	30°♒♐			10479 Nov 19 01:24	0°♓	
opposition	10474 Sep 07 19:24	25°♐43'39	-4°14'09	desc. node	10479 Dec 12 23:30	15°♓10'07	
greatest brilliancy	10474 Sep 08 13:36	25°♐26'10	-1.5m	evening set	10479 Dec 17 21:33	18°♓16'53	
min. Earth dist.	10474 Sep 13 06:45	23°♐37'44	0.62349 AU		10480 Jan 05 10:10	0°♓	
direct	10474 Oct 19 00:26	15°♐46'34		max. Earth dist.	10480 Jan 27 16:03	14°♓05'19	2.68197 AU
	10474 Dec 11 05:53	0°♑					
	10475 Feb 02 05:00	0°♒		conjunction	10480 Jan 31 15:03	16°♓36'04	-0°25'40
	10475 Mar 17 13:59	0°♓		minimum elong	10480 Jan 31 14:20	16°♓34'55	0°25'16
asc. node	10475 Apr 14 06:30	20°♓40'36			10480 Feb 21 16:14	0°♐	
	10475 Apr 26 10:13	0°♑		morning rise	10480 Mar 15 00:08	14°♐18'45	
	10475 Jun 03 19:59	0°♒			10480 Apr 08 05:58	0°♑	
	10475 Jul 12 03:39	0°♑			10480 May 23 19:41	0°♒	
	10475 Aug 20 09:22	0°♑			10480 Jul 07 07:03	0°♓	
evening set	10475 Sep 20 21:45	23°♑15'16			10480 Aug 19 18:57	0°♑	
	10475 Sep 30 06:20	0°♒			10480 Oct 01 19:40	0°♒	
	10475 Nov 12 03:53	0°♒			10480 Nov 15 03:33	0°♑	
				asc. node	10480 Dec 04 13:28	12°♑04'35	
conjunction	10475 Nov 16 06:04	2°♒47'13	0°53'56		10481 Jan 09 03:04	0°♑	
minimum elong	10475 Nov 16 07:37	2°♒49'50	0°54'21	retrograde	10481 Feb 09 19:56	6°♑37'03	
max. Earth dist.	10475 Dec 12 07:18	20°♒15'38	2.59141 AU	min. Earth dist.	10481 Mar 07 18:13	2°♑04'35	0.41145 AU
	10475 Dec 27 02:41	0°♓		greatest brilliancy	10481 Mar 13 23:18	0°♑07'19	-2.7m
morning rise	10476 Jan 05 05:12	5°♓55'25			10481 Mar 14 08:28	30°♒♑	
	10476 Feb 11 22:25	0°♓		opposition	10481 Mar 15 13:38	29°♑36'48	5°43'39
desc. node	10476 Mar 09 08:45	16°♓27'20		direct	10481 Apr 15 11:36	23°♑48'23	
	10476 Mar 31 13:21	0°♐			10481 May 18 07:39	0°♑	
	10476 May 21 18:29	0°♑			10481 Jul 20 01:38	0°♒	
	10476 Jul 19 08:24	0°♒			10481 Sep 09 15:18	0°♒	
retrograde	10476 Sep 15 22:59	15°♒25'53			10481 Oct 29 06:47	0°♓	
opposition	10476 Oct 21 00:31	8°♒14'57	-5°26'06	desc. node	10481 Oct 30 01:08	0°♓27'58	
greatest brilliancy	10476 Oct 22 16:56	7°♒39'17	-2.1m		10481 Dec 17 00:16	0°♓	
min. Earth dist.	10476 Oct 29 15:12	5°♒13'33	0.50594 AU	evening set	10482 Jan 21 15:22	22°♓21'59	
	10476 Nov 19 13:41	30°♒♑			10482 Feb 02 15:09	0°♐	
direct	10476 Nov 28 09:47	29°♑27'20		max. Earth dist.	10482 Feb 18 07:31	10°♐04'58	2.64462 AU
	10476 Dec 07 08:36	0°♒					
	10477 Feb 15 05:43	0°♓		conjunction	10482 Mar 07 04:28	21°♐03'47	-0°57'46
asc. node	10477 Mar 01 10:28	9°♓12'53		minimum elong	10482 Mar 07 03:25	21°♐02'03	0°57'38
	10477 Mar 31 02:02	0°♑			10482 Mar 20 17:55	0°♑	
	10477 May 10 07:27	0°♒		morning rise	10482 Apr 21 11:44	21°♑20'12	
	10477 Jun 18 22:02	0°♑			10482 May 04 02:50	0°♒	
	10477 Jul 29 07:51	0°♑			10482 Jun 15 17:18	0°♓	
	10477 Sep 09 07:20	0°♒			10482 Jul 26 18:11	0°♑	
	10477 Oct 23 03:37	0°♒			10482 Sep 04 15:26	0°♒	
evening set	10477 Nov 08 17:32	11°♒02'16			10482 Oct 14 03:07	0°♑	
	10477 Dec 07 16:54	0°♓		asc. node	10482 Oct 22 09:37	6°♑14'36	
					10482 Nov 23 11:15	0°♑	
conjunction	10477 Dec 26 18:51	12°♓18'25	0°15'30		10483 Jan 06 03:59	0°♒	
minimum elong	10477 Dec 26 19:23	12°♓19'17	0°16'01		10483 Mar 06 11:19	0°♒	
max. Earth dist.	10478 Jan 05 02:00	18°♓15'49	2.66414 AU	retrograde	10483 Apr 01 07:29	4°♒19'41	
	10478 Jan 23 12:06	0°♓			10483 Apr 26 00:47	30°♒♒	
desc. node	10478 Jan 25 01:43	0°♓59'44		min. Earth dist.	10483 May 02 22:06	27°♒32'34	0.54726 AU
morning rise	10478 Feb 09 13:58	10°♓49'19		greatest brilliancy	10483 May 08 23:22	25°♒13'22	-1.9m

opposition	10483 May 10 02:13	24°♍47'36	4°33'42		10488 Jul 02 08:05	0°♊	
direct	10483 Jun 14 22:23	16°♍49'08			10488 Aug 09 05:38	0°♎	
	10483 Aug 06 22:26	0°♊					
desc. node	10483 Sep 17 05:13	19°♊45'38		conjunction	10488 Aug 22 22:37	10°♎44'19	0°46'33
	10483 Oct 06 05:45	0°♊		minimum elong	10488 Aug 22 18:53	10°♎37'03	0°46'18
	10483 Nov 27 08:14	0°♊			10488 Sep 16 21:17	0°♊	
	10484 Jan 15 04:28	0°♊		max. Earth dist.	10488 Oct 15 18:03	21°♊41'46	2.41135 AU
evening set	10484 Feb 27 18:32	28°♊13'19			10488 Oct 27 01:31	0°♍	
	10484 Mar 01 10:42	0°♎		morning rise	10488 Oct 30 08:29	2°♍23'39	
max. Earth dist.	10484 Mar 16 08:17	10°♎00'54	2.55491 AU		10488 Dec 08 09:08	0°♊	
	10484 Apr 14 07:06	0°♊			10489 Jan 22 08:19	0°♊	
					10489 Mar 11 19:09	0°♊	
conjunction	10484 Apr 15 16:34	0°♊58'48	-1°07'59		10489 May 06 02:07	0°♊	
minimum elong	10484 Apr 15 16:57	0°♊59'29	1°08'13	desc. node	10489 May 09 07:34	1°♊31'55	
	10484 May 25 23:22	0°♊		retrograde	10489 Jul 16 01:41	20°♊57'17	
morning rise	10484 Jun 07 12:41	9°♊18'31		opposition	10489 Aug 24 09:10	11°♊55'26	-3°25'50
	10484 Jul 04 21:48	0°♊		greatest brilliancy	10489 Aug 24 19:25	11°♊45'28	-1.4m
	10484 Aug 12 16:36	0°♊		min. Earth dist.	10489 Aug 28 09:23	10°♊21'58	0.65308 AU
asc. node	10484 Sep 08 02:43	20°♊39'03		direct	10489 Oct 04 22:53	1°♊52'46	
	10484 Sep 20 02:09	0°♎			10489 Dec 25 13:49	0°♎	
	10484 Oct 29 00:46	0°♊			10490 Feb 11 22:07	0°♊	
	10484 Dec 08 16:14	0°♍			10490 Mar 26 05:46	0°♊	
	10485 Jan 21 20:17	0°♊		asc. node	10490 Apr 30 20:32	27°♊00'52	
	10485 Mar 16 03:06	0°♊			10490 May 04 16:55	0°♊	
retrograde	10485 May 08 07:51	14°♊24'08			10490 Jun 11 21:39	0°♊	
min. Earth dist.	10485 Jun 14 05:17	5°♊49'51	0.64661 AU		10490 Jul 20 00:25	0°♎	
opposition	10485 Jun 17 19:20	4°♊24'23	1°42'21	evening set	10490 Aug 27 00:53	29°♎15'42	
greatest brilliancy	10485 Jun 17 14:24	4°♊29'17	-1.5m		10490 Aug 28 00:19	0°♊	
	10485 Jun 29 13:54	30°♎♊			10490 Oct 07 14:40	0°♍	
direct	10485 Jul 27 03:18	25°♊12'10					
desc. node	10485 Aug 04 10:00	25°♊36'19		conjunction	10490 Oct 27 16:09	14°♍18'11	1°03'35
	10485 Aug 26 12:28	0°♊		minimum elong	10490 Oct 27 17:17	14°♍20'10	1°03'54
	10485 Nov 03 02:11	0°♊			10490 Nov 19 06:05	0°♊	
	10485 Dec 25 08:36	0°♊		max. Earth dist.	10490 Nov 30 15:57	7°♊46'39	2.54833 AU
	10486 Feb 10 14:25	0°♎		morning rise	10490 Dec 20 06:13	20°♊54'19	
	10486 Mar 26 11:10	0°♊			10491 Jan 03 01:49	0°♊	
evening set	10486 Apr 12 05:47	12°♊00'00			10491 Feb 19 01:49	0°♊	
max. Earth dist.	10486 Apr 27 08:56	23°♊03'39	2.42465 AU	desc. node	10491 Mar 27 00:53	21°♊58'58	
	10486 May 06 17:15	0°♊			10491 Apr 09 13:33	0°♊	
					10491 Jun 02 16:22	0°♎	
conjunction	10486 Jun 09 01:54	25°♊21'18	-0°32'53	retrograde	10491 Aug 27 12:16	28°♎13'45	
minimum elong	10486 Jun 09 04:21	25°♊26'00	0°33'23	opposition	10491 Oct 03 03:57	20°♎21'55	-5°12'25
	10486 Jun 15 01:57	0°♊		greatest brilliancy	10491 Oct 04 12:49	19°♎51'33	-1.8m
	10486 Jul 23 07:57	0°♊		min. Earth dist.	10491 Oct 10 19:05	17°♎33'20	0.55818 AU
asc. node	10486 Jul 26 22:01	2°♊50'04		direct	10491 Nov 12 01:52	10°♎54'07	
morning rise	10486 Aug 17 17:06	20°♊03'48			10492 Jan 11 23:40	0°♊	
	10486 Aug 30 07:38	0°♎			10492 Feb 29 06:27	0°♊	
	10486 Oct 07 22:11	0°♊		asc. node	10492 Mar 18 00:32	12°♊33'18	
	10486 Nov 17 00:37	0°♍			10492 Apr 10 14:51	0°♊	
	10486 Dec 29 13:18	0°♊			10492 May 19 18:58	0°♊	
	10487 Feb 13 20:31	0°♊			10492 Jun 27 16:37	0°♎	
	10487 Apr 09 04:48	0°♊			10492 Aug 06 12:00	0°♊	
retrograde	10487 Jun 11 12:58	18°♊02'40			10492 Sep 16 22:30	0°♍	
desc. node	10487 Jun 22 11:24	17°♊16'24		evening set	10492 Oct 22 03:29	24°♍26'51	
opposition	10487 Jul 22 01:39	8°♊20'13	-1°01'13		10492 Oct 30 07:48	0°♊	
greatest brilliancy	10487 Jul 22 01:19	8°♊20'33	-1.3m				
min. Earth dist.	10487 Jul 22 06:26	8°♊15'29	0.68302 AU	conjunction	10492 Dec 11 16:02	28°♊06'24	0°31'35
	10487 Aug 16 18:14	30°♎♊		minimum elong	10492 Dec 11 17:06	28°♊08'09	0°32'06
direct	10487 Sep 01 06:51	28°♊29'12			10492 Dec 14 13:43	0°♊	
	10487 Sep 17 16:33	0°♊		max. Earth dist.	10492 Dec 27 00:12	8°♊03'56	2.64219 AU
	10487 Dec 01 13:38	0°♊		morning rise	10493 Jan 26 22:41	27°♊52'23	
	10488 Jan 21 02:46	0°♎			10493 Jan 30 07:08	0°♊	
	10488 Mar 05 19:58	0°♊		desc. node	10493 Feb 10 18:03	7°♊14'47	
	10488 Apr 16 03:16	0°♊			10493 Mar 19 01:55	0°♊	
	10488 May 25 07:04	0°♊			10493 May 06 20:05	0°♎	
evening set	10488 Jun 12 08:23	14°♊10'39			10493 Jun 26 07:50	0°♊	
asc. node	10488 Jun 12 19:43	14°♊33'00			10493 Aug 21 07:15	0°♊	

retrograde	10493 Oct 25 13:06	19° $\Pi$ 03'59			10498 Aug 22 15:16	0° $\mathcal{A}$	
opposition	10493 Nov 26 10:28	13° $\Pi$ 13'22	-4°16'34	desc. node	10498 Oct 03 16:42	23° $\mathcal{A}$ 10'54	
greatest brilliancy	10493 Nov 27 19:59	12° $\Pi$ 47'19	-2.6m		10498 Oct 15 12:27	0° $\mathcal{B}$	
min. Earth dist.	10493 Dec 04 07:44	10° $\Pi$ 47'09	0.42027 AU		10498 Dec 04 21:41	0° $\approx$	
direct	10493 Dec 30 21:34	6° $\Pi$ 14'37			10499 Jan 22 03:28	0° $\mathcal{H}$	
asc. node	10494 Feb 03 04:49	13° $\Pi$ 47'47		evening set	10499 Feb 12 20:12	13° $\mathcal{H}$ 55'52	
	10494 Mar 06 23:01	0° $\mathcal{E}$		max. Earth dist.	10499 Mar 06 00:07	27° $\mathcal{H}$ 48'39	2.59625 AU
	10494 Apr 21 14:31	0° $\Omega$			10499 Mar 09 07:12	0° $\mathcal{Y}$	
	10494 Jun 02 17:11	0° $\mathcal{M}$					
	10494 Jul 14 19:15	0° $\mathcal{L}$		conjunction	10499 Mar 30 21:04	14° $\mathcal{Y}$ 31'28	-1°07'48
	10494 Aug 27 01:36	0° $\mathcal{M}$		minimum elong	10499 Mar 30 20:37	14° $\mathcal{Y}$ 30'42	1°07'54
	10494 Oct 10 21:14	0° $\mathcal{A}$			10499 Apr 22 07:42	0° $\mathcal{B}$	
	10494 Nov 26 02:13	0° $\mathcal{B}$		morning rise	10499 May 18 18:32	18° $\mathcal{B}$ 44'13	
evening set	10494 Dec 03 08:58	4° $\mathcal{B}$ 39'58			10499 Jun 03 07:38	0° $\Pi$	
desc. node	10494 Dec 29 13:11	21° $\mathcal{B}$ 21'19			10499 Jul 13 14:55	0° $\mathcal{E}$	
	10495 Jan 12 03:56	0° $\approx$			10499 Aug 21 18:03	0° $\Omega$	
				asc. node	10499 Sep 25 23:09	27° $\Omega$ 18'24	
conjunction	10495 Jan 17 23:11	3° $\approx$ 40'53	-0°10'17		10499 Sep 29 10:39	0° $\mathcal{M}$	
minimum elong	10495 Jan 17 22:53	3° $\approx$ 40'24	0°09'48		10499 Nov 07 16:39	0° $\mathcal{L}$	
behind sun begin	10495 Jan 17 08:03	3° $\approx$ 16'54			10499 Dec 18 21:56	0° $\mathcal{M}$	
behind sun end	10495 Jan 18 13:42	4° $\approx$ 03'54			10500 Feb 02 21:59	0° $\mathcal{A}$	
max. Earth dist.	10495 Jan 18 23:07	4° $\approx$ 18'49	2.68170 AU		10500 Apr 19 15:26	0° $\mathcal{B}$	
	10495 Feb 28 10:28	0° $\mathcal{H}$		retrograde	10500 Apr 25 08:29	0° $\mathcal{B}$ 13'10	
morning rise	10495 Mar 02 12:34	1° $\mathcal{H}$ 19'37			10500 Apr 30 23:30	30° $\mathcal{R}$ $\mathcal{A}$	
	10495 Apr 16 09:13	0° $\mathcal{Y}$		min. Earth dist.	10500 May 30 08:30	22° $\mathcal{A}$ 15'55	0.61467 AU
	10495 Jun 01 17:56	0° $\mathcal{B}$		opposition	10500 Jun 04 09:56	20° $\mathcal{A}$ 16'03	2°49'21
	10495 Jul 17 13:00	0° $\Pi$		greatest brilliancy	10500 Jun 03 22:15	20° $\mathcal{A}$ 27'35	-1.6m
	10495 Sep 01 03:29	0° $\mathcal{E}$		direct	10500 Jul 12 14:16	11° $\mathcal{A}$ 27'17	
	10495 Oct 17 23:33	0° $\Omega$		desc. node	10500 Aug 21 21:15	19° $\mathcal{A}$ 28'47	
	10495 Dec 14 06:33	0° $\mathcal{M}$			10500 Sep 16 16:58	0° $\mathcal{B}$	
asc. node	10495 Dec 22 05:20	2° $\mathcal{M}$ 39'00			10500 Nov 13 12:05	0° $\approx$	
retrograde	10496 Jan 14 23:01	6° $\mathcal{M}$ 21'55			10501 Jan 03 00:01	0° $\mathcal{H}$	
min. Earth dist.	10496 Feb 10 12:42	2° $\mathcal{M}$ 03'36	0.37350 AU		10501 Feb 18 17:54	0° $\mathcal{Y}$	
greatest brilliancy	10496 Feb 14 06:16	1° $\mathcal{M}$ 01'19	-3.0m	evening set	10501 Mar 25 13:16	23° $\mathcal{Y}$ 40'58	
opposition	10496 Feb 15 00:15	0° $\mathcal{M}$ 48'46	3°58'19		10501 Apr 03 13:29	0° $\mathcal{B}$	
	10496 Feb 17 23:05	30° $\mathcal{R}$ $\Omega$		max. Earth dist.	10501 Apr 08 12:06	3° $\mathcal{B}$ 29'58	2.47856 AU
direct	10496 Mar 15 07:03	25° $\Omega$ 49'12			10501 May 14 22:53	0° $\Pi$	
	10496 Apr 10 10:06	0° $\mathcal{M}$					
	10496 Jun 12 11:55	0° $\mathcal{L}$		conjunction	10501 May 17 09:15	1° $\Pi$ 48'35	-0°53'52
	10496 Aug 01 08:16	0° $\mathcal{M}$		minimum elong	10501 May 17 11:21	1° $\Pi$ 52'30	0°54'17
	10496 Sep 18 16:05	0° $\mathcal{A}$			10501 Jun 23 12:21	0° $\mathcal{E}$	
	10496 Nov 05 21:21	0° $\mathcal{B}$		morning rise	10501 Jul 18 16:43	19° $\mathcal{E}$ 35'44	
desc. node	10496 Nov 15 13:17	6° $\mathcal{B}$ 00'56			10501 Jul 31 22:44	0° $\Omega$	
	10496 Dec 23 22:58	0° $\approx$		asc. node	10501 Aug 13 16:01	10° $\Omega$ 01'11	
evening set	10497 Jan 07 19:42	9° $\approx$ 20'43		greatest brilliancy	10501 Aug 28 13:40	21° $\Omega$ 45'26	1.2m
max. Earth dist.	10497 Feb 09 07:27	29° $\approx$ 57'50	2.66586 AU		10501 Sep 08 01:21	0° $\mathcal{M}$	
	10497 Feb 09 08:48	0° $\mathcal{H}$			10501 Oct 16 17:31	0° $\mathcal{L}$	
					10501 Nov 25 22:05	0° $\mathcal{M}$	
conjunction	10497 Feb 21 01:34	7° $\mathcal{H}$ 30'26	-0°47'05		10502 Jan 07 18:28	0° $\mathcal{A}$	
minimum elong	10497 Feb 21 00:29	7° $\mathcal{H}$ 28'41	0°46'50		10502 Feb 24 08:56	0° $\mathcal{B}$	
	10497 Mar 27 14:36	0° $\mathcal{Y}$			10502 Apr 28 14:29	0° $\approx$	
morning rise	10497 Apr 06 03:09	6° $\mathcal{Y}$ 17'49		retrograde	10502 May 30 07:59	5° $\approx$ 30'30	
	10497 May 11 08:45	0° $\mathcal{B}$			10502 Jun 28 15:04	30° $\mathcal{R}$ $\mathcal{B}$	
	10497 Jun 23 13:09	0° $\Pi$		min. Earth dist.	10502 Jul 08 17:09	26° $\mathcal{B}$ 08'56	0.67642 AU
	10497 Aug 04 06:55	0° $\mathcal{E}$		opposition	10502 Jul 10 00:07	25° $\mathcal{B}$ 38'11	0°00'02
	10497 Sep 13 22:55	0° $\Omega$		greatest brilliancy	10502 Jul 10 00:11	25° $\mathcal{B}$ 38'07	-1.3m
	10497 Oct 24 08:54	0° $\mathcal{M}$		desc. node	10502 Jul 10 00:29	25° $\mathcal{B}$ 37'49	
asc. node	10497 Nov 08 03:54	10° $\mathcal{M}$ 48'37		direct	10502 Aug 19 15:55	15° $\mathcal{B}$ 59'13	
	10497 Dec 05 07:00	0° $\mathcal{L}$			10502 Oct 14 13:53	0° $\approx$	
	10498 Jan 23 03:59	0° $\mathcal{M}$			10502 Dec 12 07:13	0° $\mathcal{H}$	
retrograde	10498 Mar 14 20:59	15° $\mathcal{M}$ 05'12			10503 Jan 30 02:12	0° $\mathcal{Y}$	
min. Earth dist.	10498 Apr 13 01:40	9° $\mathcal{M}$ 11'26	0.49486 AU		10503 Mar 15 08:35	0° $\mathcal{B}$	
greatest brilliancy	10498 Apr 19 16:58	6° $\mathcal{M}$ 45'31	-2.2m		10503 Apr 25 14:13	0° $\Pi$	
opposition	10498 Apr 21 05:57	6° $\mathcal{M}$ 11'28	5°29'17	evening set	10503 May 18 07:35	17° $\Pi$ 14'37	
	10498 May 12 17:36	30° $\mathcal{R}$ $\mathcal{L}$			10503 Jun 03 19:05	0° $\mathcal{E}$	
direct	10498 May 25 05:54	28° $\mathcal{L}$ 56'32		asc. node	10503 Jul 01 11:44	21° $\mathcal{E}$ 45'55	
	10498 Jun 07 10:32	0° $\mathcal{M}$			10503 Jul 11 21:20	0° $\Omega$	



conjunction	10503 Jul 24 22:43	10°Ω21'23	0°16'55		10508 May 16 12:19	0°Υ	
minimum elong	10503 Jul 24 20:53	10°Ω17'45	0°16'27		10508 Jul 09 21:01	0°Ϣ	
max. Earth dist.	10503 Aug 16 02:15	27°Ω52'40	2.36549 AU	retrograde	10508 Sep 30 01:08	26°Ϣ49'28	
	10503 Aug 18 18:54	0°ϣ		opposition	10508 Nov 03 00:24	20°Ϣ05'30	-5°18'00
	10503 Sep 26 09:07	0°♁		greatest brilliancy	10508 Nov 04 18:23	19°Ϣ29'47	-2.2m
morning rise	10503 Oct 06 04:01	7°♁26'58		min. Earth dist.	10508 Nov 11 19:57	17°Ϣ06'25	0.47478 AU
	10503 Nov 05 11:20	0°♌		direct	10508 Dec 10 06:13	11°Ϣ49'48	
	10503 Dec 17 18:28	0°♊			10509 Feb 05 05:21	0°♐	
	10504 Feb 01 00:23	0°♊		asc. node	10509 Feb 20 19:02	9°♐02'51	
	10504 Mar 21 17:29	0°♋			10509 Mar 24 11:15	0°♌	
	10504 May 23 07:11	0°♋			10509 May 04 18:43	0°Ω	
desc. node	10504 May 26 23:42	1°♋16'35			10509 Jun 13 23:41	0°ϣ	
retrograde	10504 Jul 02 18:43	8°♋08'30			10509 Jul 24 19:54	0°♁	
	10504 Aug 08 15:40	30°♋			10509 Sep 05 03:59	0°♌	
opposition	10504 Aug 11 17:24	28°♋48'04	-2°32'35		10509 Oct 19 06:49	0°♊	
greatest brilliancy	10504 Aug 11 21:40	28°♋43'53	-1.3m	evening set	10509 Nov 19 00:36	20°♊15'43	
min. Earth dist.	10504 Aug 14 05:47	27°♋48'52	0.67272 AU		10509 Dec 04 00:36	0°♊	
direct	10504 Sep 22 08:38	18°♋46'18					
	10504 Nov 09 10:17	0°♋		conjunction	10510 Jan 05 00:17	20°♊31'57	0°05'57
	10505 Jan 06 07:51	0°Υ		minimum elong	10510 Jan 05 00:30	20°♊32'17	0°06'28
	10505 Feb 21 15:10	0°Ϣ		behind sun begin	10510 Jan 04 07:00	20°♊04'23	
	10505 Apr 04 09:26	0°♐		behind sun end	10510 Jan 05 17:59	21°♊00'10	
	10505 May 13 15:58	0°♌		max. Earth dist.	10510 Jan 11 05:10	24°♊29'11	2.67282 AU
asc. node	10505 May 18 12:34	3°♌47'36		desc. node	10510 Jan 16 04:02	27°♊38'17	
greatest brilliancy	10505 Jun 20 07:15	29°♌38'36	1.2m		10510 Jan 19 21:14	0°♋	
	10505 Jun 20 18:03	0°Ω		morning rise	10510 Feb 18 05:16	18°♋35'27	
	10505 Jul 28 17:31	0°ϣ			10510 Mar 08 06:21	0°♋	
evening set	10505 Jul 30 12:35	1°ϣ24'24			10510 Apr 24 17:45	0°Υ	
	10505 Sep 05 12:49	0°♁			10510 Jun 11 05:22	0°Ϣ	
					10510 Jul 29 03:04	0°♐	
conjunction	10505 Oct 06 01:41	22°♁49'06	1°06'17		10510 Sep 17 01:27	0°♌	
minimum elong	10505 Oct 06 01:13	22°♁48'16	1°06'27		10510 Nov 20 04:25	0°Ω	
	10505 Oct 15 21:51	0°♌		retrograde	10510 Dec 15 06:35	3°Ω48'15	
max. Earth dist.	10505 Nov 17 21:35	23°♌27'08	2.49829 AU	asc. node	10511 Jan 08 22:51	0°Ω12'11	
	10505 Nov 27 08:31	0°♊			10511 Jan 09 17:57	30°♋	
morning rise	10505 Dec 03 13:36	4°♊15'31		opposition	10511 Jan 13 21:48	28°♌54'36	0°23'21
	10506 Jan 11 03:16	0°♊		greatest brilliancy	10511 Jan 13 22:03	28°♌54'26	-3.1m
	10506 Feb 27 11:21	0°♋		min. Earth dist.	10511 Jan 15 08:46	28°♌31'24	0.36620 AU
desc. node	10506 Apr 13 17:28	26°♋50'50		direct	10511 Feb 12 17:49	23°♌53'20	
	10506 Apr 19 07:29	0°♋			10511 Mar 15 22:59	0°Ω	
	10506 Jun 18 06:55	0°Υ			10511 May 12 14:58	0°ϣ	
retrograde	10506 Aug 10 16:14	12°Υ59'03			10511 Jun 28 13:28	0°♁	
opposition	10506 Sep 17 13:51	4°Υ35'02	-4°38'51		10511 Aug 13 11:38	0°♌	
greatest brilliancy	10506 Sep 18 13:13	4°Υ12'51	-1.6m		10511 Sep 28 23:04	0°♊	
min. Earth dist.	10506 Sep 23 20:53	2°Υ11'58	0.60260 AU		10511 Nov 15 04:39	0°♊	
	10506 Sep 29 23:30	30°♋		desc. node	10511 Dec 04 01:30	11°♊54'07	
direct	10506 Oct 28 10:48	24°♋45'06		evening set	10511 Dec 26 23:37	26°♊20'56	
	10506 Nov 27 14:35	0°Υ			10512 Jan 01 18:33	0°♋	
	10507 Jan 27 02:29	0°Ϣ		max. Earth dist.	10512 Feb 02 16:13	20°♋11'32	2.67862 AU
	10507 Mar 12 15:17	0°♐					
asc. node	10507 Apr 05 14:54	17°♐38'38		conjunction	10512 Feb 09 09:45	24°♋28'30	-0°34'07
	10507 Apr 21 21:28	0°♌		minimum elong	10512 Feb 09 08:51	24°♋27'03	0°33'45
	10507 May 30 12:36	0°Ω			10512 Feb 18 01:34	0°♋	
	10507 Jul 08 00:10	0°ϣ		morning rise	10512 Mar 23 21:02	22°♋25'10	
	10507 Aug 16 09:34	0°♁			10512 Apr 04 12:14	0°Υ	
	10507 Sep 26 10:08	0°♌			10512 May 19 18:16	0°Ϣ	
evening set	10507 Oct 04 08:13	5°♌38'02			10512 Jul 02 17:16	0°♐	
	10507 Nov 08 10:28	0°♊			10512 Aug 14 11:18	0°♌	
					10512 Sep 25 09:58	0°Ω	
conjunction	10507 Nov 27 06:45	12°♊42'57	0°46'27		10512 Nov 06 16:36	0°ϣ	
minimum elong	10507 Nov 27 08:13	12°♊45'25	0°46'55	asc. node	10512 Nov 25 21:51	13°ϣ04'02	
max. Earth dist.	10507 Dec 19 08:14	27°♊19'05	2.61172 AU		10512 Dec 22 22:45	0°♁	
	10507 Dec 23 10:35	0°♊		retrograde	10513 Feb 23 17:32	22°♁02'00	
morning rise	10508 Jan 14 16:53	14°♊25'03		min. Earth dist.	10513 Mar 22 14:51	17°♁03'20	0.43971 AU
	10508 Feb 08 04:07	0°♋		greatest brilliancy	10513 Mar 29 05:46	14°♁49'26	-2.5m
desc. node	10508 Feb 29 09:52	13°♋19'30		opposition	10513 Mar 30 23:19	14°♁14'02	5°56'16
	10508 Mar 27 09:50	0°♋		direct	10513 May 01 23:17	7°♁53'07	

	10513 Jul 11 05:08	0°♍		asc. node	10518 Jul 18 05:01	29°♊01'14	
	10513 Sep 04 03:25	0°♊			10518 Jul 19 10:45	0°♊	
desc. node	10513 Oct 21 03:38	27°♊43'46			10518 Aug 26 09:32	0°♊	
	10513 Oct 24 22:21	0°♊		morning rise	10518 Sep 05 18:27	8°♊08'35	
	10513 Dec 13 03:53	0°♊			10518 Oct 03 23:18	0°♊	
	10514 Jan 29 23:38	0°♊			10518 Nov 13 00:32	0°♍	
evening set	10514 Jan 30 14:48	0°♊24'12			10518 Dec 25 09:09	0°♊	
max. Earth dist.	10514 Feb 24 19:37	16°♊39'03	2.62961 AU		10519 Feb 09 03:04	0°♊	
					10519 Apr 02 01:28	0°♊	
conjunction	10514 Mar 16 12:32	29°♊36'06	-1°02'37	desc. node	10519 Jun 13 13:41	25°♊23'31	
minimum elong	10514 Mar 16 11:37	29°♊34'34	1°02'34	retrograde	10519 Jun 20 03:16	25°♊39'11	
	10514 Mar 17 02:57	0°♊		opposition	10519 Jul 30 12:40	16°♊03'37	-1°35'54
	10514 Apr 30 08:57	0°♊		greatest brilliancy	10519 Jul 30 13:17	16°♊03'01	-1.3m
morning rise	10514 May 01 19:48	1°♊00'24		min. Earth dist.	10519 Jul 31 13:17	15°♊39'20	0.68219 AU
	10514 Jun 11 18:12	0°♊		direct	10519 Sep 09 23:23	6°♊07'30	
	10514 Jul 22 12:16	0°♊			10519 Nov 25 03:53	0°♊	
	10514 Aug 31 02:16	0°♊			10520 Jan 16 12:25	0°♊	
	10514 Oct 09 05:29	0°♊			10520 Mar 01 17:15	0°♊	
asc. node	10514 Oct 13 16:36	3°♊24'33			10520 Apr 12 04:13	0°♊	
	10514 Nov 18 00:50	0°♊			10520 May 21 08:47	0°♊	
	10514 Dec 30 10:18	0°♍		asc. node	10520 Jun 04 03:00	10°♊47'11	
	10515 Feb 19 01:46	0°♊			10520 Jun 28 09:57	0°♊	
retrograde	10515 Apr 11 10:00	14°♊34'20		evening set	10520 Jun 30 03:17	1°♊21'58	
min. Earth dist.	10515 May 14 07:07	7°♊20'24	0.57362 AU		10520 Aug 05 07:45	0°♊	
opposition	10515 May 20 18:19	4°♊49'35	3°56'42				
greatest brilliancy	10515 May 19 21:28	5°♊09'52	-1.8m	conjunction	10520 Sep 09 14:53	27°♊25'05	0°57'52
	10515 Jun 03 10:25	30°♊		minimum elong	10520 Sep 09 11:58	27°♊19'31	0°57'46
direct	10515 Jun 26 12:48	26°♊30'56			10520 Sep 12 23:59	0°♊	
	10515 Jul 21 15:56	0°♊			10520 Oct 23 05:05	0°♍	
desc. node	10515 Sep 08 08:57	18°♊55'59		max. Earth dist.	10520 Oct 30 22:21	5°♍35'46	2.44309 AU
	10515 Sep 30 07:59	0°♊		morning rise	10520 Nov 13 07:53	15°♍10'43	
	10515 Nov 22 22:49	0°♊			10520 Dec 04 12:35	0°♊	
	10516 Jan 11 07:31	0°♊			10521 Jan 18 08:25	0°♊	
	10516 Feb 26 18:03	0°♊			10521 Mar 07 05:53	0°♊	
evening set	10516 Mar 08 17:45	7°♊21'36			10521 Apr 29 07:26	0°♊	
max. Earth dist.	10516 Mar 24 14:34	18°♊10'13	2.52945 AU	desc. node	10521 Apr 30 09:23	0°♊33'37	
	10516 Apr 10 14:38	0°♊		retrograde	10521 Jul 25 14:22	29°♊01'23	
				opposition	10521 Sep 02 11:56	20°♊11'29	-3°54'34
conjunction	10516 Apr 27 01:39	11°♊41'32	-1°05'11	greatest brilliancy	10521 Sep 03 02:28	19°♊57'28	-1.4m
minimum elong	10516 Apr 27 02:39	11°♊43'20	1°05'31	min. Earth dist.	10521 Sep 07 08:02	18°♊19'32	0.63803 AU
	10516 May 22 05:00	0°♊		direct	10521 Oct 13 22:30	10°♊10'55	
morning rise	10516 Jun 21 18:37	22°♊56'14			10521 Dec 18 04:27	0°♊	
	10516 Jul 01 00:24	0°♊			10522 Feb 06 20:30	0°♊	
	10516 Aug 08 16:08	0°♊			10522 Mar 21 18:51	0°♊	
asc. node	10516 Aug 30 10:51	17°♊04'50		asc. node	10522 Apr 22 06:35	23°♊40'36	
	10516 Sep 15 22:38	0°♊			10522 Apr 30 11:23	0°♊	
	10516 Oct 24 17:41	0°♊			10522 Jun 07 18:51	0°♊	
	10516 Dec 04 03:05	0°♍			10522 Jul 15 23:40	0°♊	
	10517 Jan 16 14:25	0°♊			10522 Aug 24 01:36	0°♊	
	10517 Mar 07 18:26	0°♊		evening set	10522 Sep 11 13:48	13°♊48'53	
retrograde	10517 May 17 01:42	22°♊35'29			10522 Oct 03 18:19	0°♍	
min. Earth dist.	10517 Jun 23 22:01	13°♊43'01	0.65999 AU				
opposition	10517 Jun 26 16:24	12°♊37'04	1°03'55	conjunction	10522 Nov 09 03:07	25°♍37'48	0°58'36
greatest brilliancy	10517 Jun 26 14:06	12°♊39'22	-1.4m	minimum elong	10522 Nov 09 04:36	25°♍40'21	0°59'00
desc. node	10517 Jul 26 13:25	3°♊51'24			10522 Nov 15 11:37	0°♊	
direct	10517 Aug 05 13:15	3°♊13'59		max. Earth dist.	10522 Dec 08 13:12	15°♊36'19	2.57324 AU
	10517 Oct 27 22:50	0°♊		morning rise	10522 Dec 30 13:17	0°♊09'04	
	10517 Dec 20 21:47	0°♊			10522 Dec 30 07:44	0°♊	
	10518 Feb 06 15:33	0°♊			10523 Feb 15 03:49	0°♊	
	10518 Mar 22 15:50	0°♊		desc. node	10523 Mar 18 01:46	19°♊07'44	
evening set	10518 Apr 25 00:41	24°♊07'44			10523 Apr 05 01:42	0°♊	
	10518 May 02 22:13	0°♊			10523 May 27 06:23	0°♊	
max. Earth dist.	10518 May 14 22:32	9°♊02'18	2.39581 AU		10523 Jul 30 00:52	0°♊	
	10518 Jun 11 05:53	0°♊		retrograde	10523 Sep 08 16:45	8°♊11'31	
				opposition	10523 Oct 14 12:32	0°♊41'10	-5°23'08
conjunction	10518 Jun 25 06:12	10°♊56'14	-0°16'27	greatest brilliancy	10523 Oct 16 02:09	0°♊07'12	-1.9m
minimum elong	10518 Jun 25 07:47	10°♊59'19	0°16'58		10523 Oct 16 10:05	30°♊	

min. Earth dist.	10523 Oct 22 18:34	27° $\Upsilon$ 43'05	0.53016 AU			10529 Feb 05 17:58	0° $\text{H}$	
direct	10523 Nov 22 16:49	21° $\Upsilon$ 32'49		max. Earth dist.		10529 Feb 15 12:56	6° $\text{H}$ 16'36	2.65509 AU
	10523 Dec 30 11:09	0° $\text{B}$						
	10524 Feb 22 17:02	0° $\text{II}$		conjunction		10529 Mar 02 01:43	15° $\text{H}$ 40'11	-0°53'41
asc. node	10524 Mar 09 10:40	10° $\text{II}$ 40'54		minimum elong		10529 Mar 02 00:38	15° $\text{H}$ 38'25	0°53'29
	10524 Apr 05 06:30	0° $\text{G}$				10529 Mar 23 22:48	0° $\Upsilon$	
	10524 May 14 23:14	0° $\Omega$		morning rise		10529 Apr 15 17:44	15° $\Upsilon$ 11'49	
	10524 Jun 23 04:57	0° $\text{M}$				10529 May 07 12:27	0° $\text{B}$	
	10524 Aug 02 06:37	0° $\text{L}$				10529 Jun 19 09:49	0° $\text{II}$	
	10524 Sep 12 22:43	0° $\text{M}$				10529 Jul 30 18:24	0° $\text{G}$	
	10524 Oct 26 12:28	0° $\text{A}$				10529 Sep 08 23:47	0° $\Omega$	
evening set	10524 Nov 02 09:18	4° $\text{A}$ 36'48				10529 Oct 18 19:52	0° $\text{M}$	
	10524 Dec 10 21:19	0° $\text{B}$		asc. node		10529 Oct 30 11:52	8° $\text{M}$ 42'39	
						10529 Nov 28 16:04	0° $\text{L}$	
conjunction	10524 Dec 21 10:31	6° $\text{B}$ 50'19	0°22'15			10530 Jan 12 17:49	0° $\text{M}$	
minimum elong	10524 Dec 21 11:17	6° $\text{B}$ 51'33	0°22'46	retrograde		10530 Mar 26 00:43	26° $\text{M}$ 49'55	
max. Earth dist.	10525 Jan 02 10:20	14° $\text{B}$ 33'37	2.65540 AU	min. Earth dist.		10530 Apr 25 13:20	20° $\text{M}$ 26'35	0.52442 AU
	10525 Jan 26 14:49	0° $\approx$		greatest brilliancy		10530 May 01 22:45	18° $\text{M}$ 02'11	-2.0m
desc. node	10525 Feb 01 18:18	3° $\approx$ 53'53		opposition		10530 May 03 06:15	17° $\text{M}$ 32'28	4°59'41
morning rise	10525 Feb 04 19:41	5° $\approx$ 50'03		direct		10530 Jun 07 07:55	9° $\text{M}$ 52'18	
	10525 Mar 15 05:05	0° $\text{H}$				10530 Aug 14 12:33	0° $\text{A}$	
	10525 May 02 09:59	0° $\Upsilon$		desc. node		10530 Sep 24 20:07	21° $\text{A}$ 17'31	
	10525 Jun 20 12:59	0° $\text{B}$				10530 Oct 10 11:41	0° $\text{B}$	
	10525 Aug 11 06:09	0° $\text{II}$				10530 Nov 30 19:19	0° $\approx$	
	10525 Oct 16 15:15	0° $\text{G}$				10531 Jan 18 09:48	0° $\text{H}$	
retrograde	10525 Nov 12 10:03	4° $\text{G}$ 06'22		evening set		10531 Feb 22 05:57	22° $\text{H}$ 27'12	
	10525 Dec 08 21:09	30° $\text{R}$ $\text{II}$				10531 Mar 05 16:02	0° $\Upsilon$	
opposition	10525 Dec 13 06:35	28° $\text{II}$ 44'46	-3°01'55	max. Earth dist.		10531 Mar 13 06:37	5° $\Upsilon$ 05'00	2.57422 AU
greatest brilliancy	10525 Dec 14 03:37	28° $\text{II}$ 29'28	-2.8m					
min. Earth dist.	10525 Dec 19 15:40	26° $\text{II}$ 54'15	0.39429 AU	conjunction		10531 Apr 10 05:28	24° $\Upsilon$ 08'40	-1°08'39
direct	10526 Jan 14 20:13	22° $\text{II}$ 35'18		minimum elong		10531 Apr 10 05:26	24° $\Upsilon$ 08'38	1°08'50
asc. node	10526 Jan 25 13:20	23° $\text{II}$ 23'25				10531 Apr 18 15:13	0° $\text{B}$	
	10526 Feb 17 22:07	0° $\text{G}$				10531 May 30 11:52	0° $\text{II}$	
	10526 Apr 13 04:11	0° $\Omega$		morning rise		10531 May 31 03:13	0° $\text{II}$ 28'10	
	10526 May 27 10:03	0° $\text{M}$				10531 Jul 09 14:45	0° $\text{G}$	
	10526 Jul 09 14:10	0° $\text{L}$				10531 Aug 17 13:29	0° $\Omega$	
	10526 Aug 22 13:04	0° $\text{M}$		asc. node		10531 Sep 17 04:40	23° $\Omega$ 51'55	
	10526 Oct 06 19:42	0° $\text{A}$				10531 Sep 25 01:55	0° $\text{M}$	
	10526 Nov 22 07:44	0° $\text{B}$				10531 Nov 03 02:38	0° $\text{L}$	
evening set	10526 Dec 12 18:20	13° $\text{B}$ 01'18				10531 Dec 13 21:46	0° $\text{M}$	
desc. node	10526 Dec 20 15:00	18° $\text{B}$ 00'45				10532 Jan 27 14:00	0° $\text{A}$	
	10527 Jan 08 12:44	0° $\approx$				10532 Mar 24 06:42	0° $\text{B}$	
max. Earth dist.	10527 Jan 25 00:34	10° $\approx$ 27'08	2.68291 AU	retrograde		10532 May 03 10:09	8° $\text{B}$ 56'13	
				min. Earth dist.		10532 Jun 08 12:21	0° $\text{B}$ 37'42	0.63356 AU
conjunction	10527 Jan 26 19:24	11° $\approx$ 35'03	-0°19'27			10532 Jun 10 02:29	30° $\text{R}$ $\text{A}$	
minimum elong	10527 Jan 26 18:51	11° $\approx$ 34'10	0°19'00	opposition		10532 Jun 12 18:04	28° $\text{A}$ 56'57	2°10'13
	10527 Feb 24 18:56	0° $\text{H}$		greatest brilliancy		10532 Jun 12 10:35	29° $\text{A}$ 04'21	-1.5m
morning rise	10527 Mar 11 04:59	9° $\text{H}$ 12'20		direct		10532 Jul 21 14:28	19° $\text{A}$ 54'26	
	10527 Apr 12 12:52	0° $\Upsilon$		desc. node		10532 Aug 12 01:21	22° $\text{A}$ 26'37	
	10527 May 28 10:53	0° $\text{B}$				10532 Sep 05 16:53	0° $\text{B}$	
	10527 Jul 12 11:37	0° $\text{II}$				10532 Nov 07 08:52	0° $\approx$	
	10527 Aug 25 18:53	0° $\text{G}$				10532 Dec 28 21:08	0° $\text{H}$	
	10527 Oct 09 02:06	0° $\Omega$				10533 Feb 13 23:11	0° $\Upsilon$	
	10527 Nov 25 05:42	0° $\text{M}$				10533 Mar 29 20:43	0° $\text{B}$	
asc. node	10527 Dec 13 14:42	10° $\text{M}$ 02'43		evening set		10533 Apr 04 20:12	4° $\text{B}$ 14'02	
retrograde	10528 Jan 31 18:54	24° $\text{M}$ 21'39		max. Earth dist.		10533 Apr 18 16:05	14° $\text{B}$ 09'49	2.44884 AU
min. Earth dist.	10528 Feb 26 12:25	20° $\text{M}$ 02'23	0.39158 AU			10533 May 10 05:27	0° $\text{II}$	
greatest brilliancy	10528 Mar 02 22:14	18° $\text{M}$ 26'10	-2.8m					
opposition	10528 Mar 04 05:43	18° $\text{M}$ 02'36	5°13'52	conjunction		10533 May 30 06:10	15° $\text{II}$ 04'38	-0°43'11
direct	10528 Apr 03 06:51	12° $\text{M}$ 39'25		minimum elong		10533 May 30 08:39	15° $\text{II}$ 09'22	0°43'39
	10528 Jun 01 06:12	0° $\text{L}$				10533 Jun 18 16:51	0° $\text{G}$	
	10528 Jul 25 22:16	0° $\text{M}$				10533 Jul 27 00:58	0° $\Omega$	
	10528 Sep 13 20:02	0° $\text{A}$		asc. node		10533 Aug 03 23:28	6° $\Omega$ 15'48	
	10528 Nov 01 18:57	0° $\text{B}$		morning rise		10533 Aug 04 18:16	6° $\Omega$ 52'55	
desc. node	10528 Nov 06 16:12	3° $\text{B}$ 00'38				10533 Sep 03 01:40	0° $\text{M}$	
	10528 Dec 20 05:02	0° $\approx$				10533 Oct 11 15:57	0° $\text{L}$	
evening set	10529 Jan 16 17:23	17° $\approx$ 16'32				10533 Nov 20 17:49	0° $\text{M}$	

	10534 Jan 02 07:27	0°♊		asc. node	10539 Mar 27 00:38	14°♊55'53	
	10534 Feb 17 23:01	0°♋			10539 Apr 16 03:41	0°♌	
	10534 Apr 15 12:07	0°♍			10539 May 25 01:27	0°♎	
retrograde	10534 Jun 06 21:08	13°♍13'21			10539 Jul 02 17:47	0°♏	
desc. node	10534 Jun 30 03:45	9°♍43'21			10539 Aug 11 07:23	0°♐	
opposition	10534 Jul 17 12:25	3°♍26'09 -0°36'16			10539 Sep 21 11:59	0°♑	
greatest brilliancy	10534 Jul 17 11:54	3°♍26'40 -1.3m		evening set	10539 Oct 15 21:10	17°♑07'12	
min. Earth dist.	10534 Jul 17 01:28	3°♍37'00 0.68142 AU			10539 Nov 03 15:51	0°♒	
	10534 Jul 26 09:55	30°♒♋					
direct	10534 Aug 27 12:31	23°♋39'59		conjunction	10539 Dec 06 19:00	22°♒09'34 0°38'01	
	10534 Oct 01 22:13	0°♌		minimum elong	10539 Dec 06 20:17	22°♒11'41 0°38'31	
	10534 Dec 06 00:33	0°♍			10539 Dec 18 17:54	0°♋	
	10535 Jan 24 20:17	0°♎		max. Earth dist.	10539 Dec 25 01:59	4°♋07'37 2.62962 AU	
	10535 Mar 10 10:13	0°♏		morning rise	10540 Jan 22 22:29	22°♋41'45	
	10535 Apr 20 18:11	0°♐			10540 Feb 03 10:13	0°♌	
	10535 May 29 23:11	0°♑		desc. node	10540 Feb 19 11:10	10°♌07'08	
evening set	10535 Jun 02 00:20	2°♑22'44			10540 Mar 22 08:41	0°♍	
asc. node	10535 Jun 21 20:56	17°♑59'16			10540 May 10 14:40	0°♎	
	10535 Jul 07 01:00	0°♒			10540 Jul 01 09:58	0°♏	
					10540 Sep 01 05:12	0°♐	
conjunction	10535 Aug 11 10:11	28°♒01'40 0°34'57		retrograde	10540 Oct 14 09:45	9°♐20'47	
minimum elong	10535 Aug 11 06:44	27°♒54'52 0°34'34		opposition	10540 Nov 16 05:13	3°♐05'38 -4°51'44	
	10535 Aug 13 22:16	0°♑		greatest brilliancy	10540 Nov 17 20:25	2°♐33'41 -2.4m	
	10535 Sep 21 12:17	0°♒		min. Earth dist.	10540 Nov 24 17:48	0°♐20'02 0.44407 AU	
max. Earth dist.	10535 Oct 01 08:05	7°♒28'49 2.38730 AU			10540 Nov 25 19:38	30°♒♏	
morning rise	10535 Oct 21 11:17	22°♒33'25		direct	10540 Dec 22 00:26	25°♏29'23	
	10535 Oct 31 14:12	0°♓			10541 Jan 17 02:29	0°♐	
	10535 Dec 12 19:48	0°♊		asc. node	10541 Feb 11 05:16	10°♐50'03	
	10536 Jan 26 19:27	0°♋			10541 Mar 15 11:17	0°♌	
	10536 Mar 15 14:49	0°♍			10541 Apr 27 15:31	0°♎	
	10536 May 11 21:20	0°♏			10541 Jun 07 17:38	0°♏	
desc. node	10536 May 17 00:34	2°♏13'54			10541 Jul 19 03:41	0°♐	
retrograde	10536 Jul 10 19:39	15°♏55'32			10541 Aug 30 21:54	0°♑	
opposition	10536 Aug 19 11:13	6°♏44'51 -3°04'10			10541 Oct 14 08:24	0°♒	
greatest brilliancy	10536 Aug 19 18:36	6°♏37'39 -1.3m		evening set	10541 Nov 27 21:36	29°♒05'47	
min. Earth dist.	10536 Aug 22 19:45	5°♏26'19 0.66321 AU			10541 Nov 29 07:15	0°♋	
	10536 Sep 07 09:22	30°♒♌		desc. node	10542 Jan 06 05:30	24°♋15'52	
direct	10536 Sep 30 03:01	26°♌41'50					
	10536 Oct 24 10:02	0°♍		conjunction	10542 Jan 13 00:59	28°♋35'46 -0°03'40	
	10536 Dec 30 14:45	0°♎		minimum elong	10542 Jan 13 00:52	28°♋35'35 0°03'10	
	10537 Feb 16 01:30	0°♏		behind sun begin	10542 Jan 12 06:29	28°♋06'24	
	10537 Mar 30 04:27	0°♐		behind sun end	10542 Jan 13 19:15	29°♋04'46	
asc. node	10537 May 08 21:15	0°♑13'48			10542 Jan 15 06:01	0°♌	
	10537 May 08 14:09	0°♒		max. Earth dist.	10542 Jan 16 06:56	0°♌39'34 2.67876 AU	
	10537 Jun 15 17:50	0°♓		morning rise	10542 Feb 25 20:00	26°♌22'03	
	10537 Jul 23 18:48	0°♊			10542 Mar 03 13:29	0°♍	
evening set	10537 Aug 15 23:09	18°♊00'34			10542 Apr 19 17:28	0°♎	
	10537 Aug 31 15:41	0°♋			10542 Jun 05 13:08	0°♏	
	10537 Oct 11 02:22	0°♌			10542 Jul 22 03:46	0°♐	
					10542 Sep 07 05:12	0°♑	
conjunction	10537 Oct 19 06:41	5°♌53'43 1°05'48			10542 Oct 27 14:17	0°♒	
minimum elong	10537 Oct 19 07:17	5°♌54'49 1°06'04		asc. node	10542 Dec 30 06:34	22°♒28'55	
	10537 Nov 22 14:09	0°♊		retrograde	10543 Jan 02 11:51	22°♒33'08	
max. Earth dist.	10537 Nov 26 00:40	2°♊21'40 2.52672 AU		min. Earth dist.	10543 Jan 30 15:50	17°♒58'48 0.36579 AU	
morning rise	10537 Dec 13 21:16	14°♊28'22		opposition	10543 Feb 01 16:03	17°♒26'26 2°34'15	
	10538 Jan 06 07:44	0°♋		greatest brilliancy	10543 Feb 01 09:21	17°♒30'56 -3.1m	
	10538 Feb 22 09:14	0°♌		direct	10543 Mar 02 21:27	12°♒34'43	
desc. node	10538 Apr 03 17:49	24°♌25'20			10543 Apr 29 07:14	0°♏	
	10538 Apr 13 07:30	0°♍			10543 Jun 20 10:18	0°♐	
	10538 Jun 08 04:45	0°♎			10543 Aug 07 03:44	0°♑	
retrograde	10538 Aug 20 12:10	21°♎58'02			10543 Sep 23 13:00	0°♒	
opposition	10538 Sep 26 18:40	13°♎50'53 -4°59'40			10543 Nov 10 06:27	0°♋	
greatest brilliancy	10538 Sep 27 23:26	13°♎23'57 -1.7m		desc. node	10543 Nov 24 04:21	8°♋43'08	
min. Earth dist.	10538 Oct 03 20:35	11°♎12'15 0.57920 AU			10543 Dec 28 02:25	0°♌	
direct	10538 Nov 06 05:10	4°♎11'16		evening set	10544 Jan 03 21:49	4°♌17'03	
	10539 Jan 18 22:39	0°♏		max. Earth dist.	10544 Feb 07 17:41	26°♌20'21 2.67264 AU	
	10539 Mar 06 07:33	0°♐			10544 Feb 13 11:18	0°♍	

conjunction	10544 Feb 17 04:09	2° $\text{H}$ 22'06	-0°41'58	retrograde	10549 May 24 16:37	0° $\approx$ 32'55	
minimum elong	10544 Feb 17 03:07	2° $\text{H}$ 20'27	0°41'39		10549 Jun 02 20:12	30° $\text{R}$ $\text{Z}$	
	10544 Mar 30 19:46	0° $\text{Y}$		min. Earth dist.	10549 Jul 02 10:31	21° $\text{Z}$ 23'39	0.67032 AU
morning rise	10544 Mar 31 21:51	0° $\text{Y}$ 42'47		opposition	10549 Jul 04 08:58	20° $\text{Z}$ 37'31	0°26'06
	10544 May 14 19:42	0° $\text{B}$		greatest brilliancy	10549 Jul 04 08:24	20° $\text{Z}$ 38'05	-1.4m
	10544 Jun 27 08:36	0° $\text{II}$		desc. node	10549 Jul 16 15:55	16° $\text{Z}$ 00'04	
	10544 Aug 08 12:39	0° $\text{D}$		direct	10549 Aug 13 17:01	11° $\text{Z}$ 05'02	
	10544 Sep 18 16:38	0° $\text{O}$			10549 Oct 19 18:46	0° $\approx$	
	10544 Oct 29 17:59	0° $\text{M}$			10549 Dec 15 06:02	0° $\text{H}$	
asc. node	10544 Nov 16 05:19	12° $\text{M}$ 28'43			10550 Feb 01 15:22	0° $\text{Y}$	
	10544 Dec 11 21:12	0° $\text{D}$			10550 Mar 17 20:29	0° $\text{B}$	
	10545 Feb 05 05:38	0° $\text{M}$			10550 Apr 28 03:41	0° $\text{II}$	
retrograde	10545 Mar 07 12:18	6° $\text{M}$ 05'01		evening set	10550 May 07 17:07	7° $\text{II}$ 11'06	
min. Earth dist.	10545 Apr 04 15:20	0° $\text{M}$ 36'38	0.47020 AU		10550 Jun 06 10:32	0° $\text{D}$	
	10545 Apr 06 09:22	30° $\text{R}$ $\text{D}$		max. Earth dist.	10550 Jun 11 12:59	3° $\text{D}$ 58'37	2.37154 AU
greatest brilliancy	10545 Apr 11 09:17	28° $\text{D}$ 12'56	-2.3m	asc. node	10550 Jul 08 12:39	25° $\text{D}$ 12'10	
opposition	10545 Apr 13 01:37	27° $\text{D}$ 36'56	5°46'43				
direct	10545 May 16 04:17	20° $\text{D}$ 44'58		conjunction	10550 Jul 11 13:46	27° $\text{D}$ 36'50	0°02'15
	10545 Jun 27 07:31	0° $\text{M}$		minimum elong	10550 Jul 11 13:35	27° $\text{D}$ 36'27	0°01'45
	10545 Aug 28 00:22	0° $\text{J}$		behind sun begin	10550 Jul 10 07:51	26° $\text{D}$ 37'39	
desc. node	10545 Oct 11 07:40	25° $\text{J}$ 15'38		behind sun end	10550 Jul 12 19:18	28° $\text{D}$ 35'15	
	10545 Oct 19 09:10	0° $\text{Z}$			10550 Jul 14 14:06	0° $\text{O}$	
	10545 Dec 08 05:48	0° $\approx$			10550 Aug 21 11:59	0° $\text{M}$	
	10546 Jan 25 07:45	0° $\text{H}$		morning rise	10550 Sep 23 07:40	25° $\text{M}$ 35'47	
evening set	10546 Feb 07 16:11	8° $\text{H}$ 32'32			10550 Sep 29 01:13	0° $\text{D}$	
max. Earth dist.	10546 Mar 02 13:22	23° $\text{H}$ 25'31	2.61217 AU		10550 Nov 08 01:37	0° $\text{M}$	
	10546 Mar 12 12:13	0° $\text{Y}$			10550 Dec 20 07:37	0° $\text{J}$	
					10551 Feb 03 15:39	0° $\text{Z}$	
conjunction	10546 Mar 25 02:40	8° $\text{Y}$ 25'15	-1°06'12		10551 Mar 26 00:12	0° $\approx$	
minimum elong	10546 Mar 25 01:58	8° $\text{Y}$ 24'05	1°06'13	desc. node	10551 Jun 03 15:48	0° $\text{H}$ 04'45	
	10546 Apr 25 16:10	0° $\text{B}$			10551 Jun 03 08:10	0° $\text{H}$	
morning rise	10546 May 11 17:03	11° $\text{B}$ 14'31		retrograde	10551 Jun 27 20:57	3° $\text{H}$ 17'30	
	10546 Jun 06 21:11	0° $\text{II}$			10551 Jul 20 16:07	30° $\text{R}$ $\approx$	
	10546 Jul 17 09:53	0° $\text{D}$		opposition	10551 Aug 07 01:29	23° $\approx$ 49'59	-2°09'35
	10546 Aug 25 17:54	0° $\text{O}$		greatest brilliancy	10551 Aug 07 03:52	23° $\approx$ 47'39	-1.3m
	10546 Oct 03 14:42	0° $\text{M}$		min. Earth dist.	10551 Aug 08 22:13	23° $\approx$ 06'01	0.67825 AU
asc. node	10546 Oct 04 01:00	0° $\text{M}$ 19'49		direct	10551 Sep 17 15:40	13° $\approx$ 50'12	
	10546 Nov 12 00:49	0° $\text{D}$			10551 Nov 16 10:05	0° $\text{H}$	
	10546 Dec 23 14:02	0° $\text{M}$			10552 Jan 10 14:45	0° $\text{Y}$	
	10547 Feb 08 19:35	0° $\text{J}$			10552 Feb 25 11:46	0° $\text{B}$	
retrograde	10547 Apr 20 02:37	24° $\text{J}$ 11'45			10552 Apr 07 04:11	0° $\text{II}$	
min. Earth dist.	10547 May 24 04:41	16° $\text{J}$ 32'56	0.59744 AU		10552 May 16 10:37	0° $\text{D}$	
opposition	10547 May 29 21:23	14° $\text{J}$ 18'49	3°17'53	asc. node	10552 May 25 12:52	7° $\text{D}$ 06'50	
greatest brilliancy	10547 May 29 06:02	14° $\text{J}$ 33'53	-1.7m		10552 Jun 23 12:21	0° $\text{O}$	
direct	10547 Jul 06 11:37	5° $\text{J}$ 42'27		evening set	10552 Jul 17 05:56	18° $\text{O}$ 48'23	
desc. node	10547 Aug 29 12:25	19° $\text{J}$ 04'36			10552 Jul 31 10:40	0° $\text{M}$	
	10547 Sep 22 13:01	0° $\text{Z}$			10552 Sep 08 03:38	0° $\text{D}$	
	10547 Nov 17 08:22	0° $\approx$					
	10548 Jan 06 09:09	0° $\text{H}$		conjunction	10552 Sep 25 00:36	12° $\text{D}$ 44'46	1°04'18
	10548 Feb 22 01:05	0° $\text{Y}$		minimum elong	10552 Sep 24 23:07	12° $\text{D}$ 41'59	1°04'21
evening set	10548 Mar 18 02:18	16° $\text{Y}$ 54'32			10552 Oct 18 09:29	0° $\text{M}$	
max. Earth dist.	10548 Apr 01 14:34	26° $\text{Y}$ 57'57	2.50194 AU	max. Earth dist.	10552 Nov 10 18:52	16° $\text{M}$ 46'46	2.47404 AU
	10548 Apr 05 22:19	0° $\text{B}$		morning rise	10552 Nov 25 04:04	26° $\text{M}$ 51'10	
					10552 Nov 29 17:14	0° $\text{J}$	
conjunction	10548 May 08 04:36	23° $\text{B}$ 10'26	-0°59'48		10553 Jan 13 10:31	0° $\text{Z}$	
minimum elong	10548 May 08 06:15	23° $\text{B}$ 13'28	1°00'12		10553 Mar 01 21:59	0° $\approx$	
	10548 May 17 11:03	0° $\text{II}$		desc. node	10553 Apr 20 10:23	28° $\approx$ 53'20	
	10548 Jun 26 03:56	0° $\text{D}$			10553 Apr 22 10:59	0° $\text{H}$	
morning rise	10548 Jul 06 08:24	7° $\text{D}$ 51'56			10553 Jun 25 23:51	0° $\text{Y}$	
	10548 Aug 03 16:58	0° $\text{O}$		retrograde	10553 Aug 03 13:40	7° $\text{Y}$ 22'53	
asc. node	10548 Aug 20 17:51	13° $\text{O}$ 23'27			10553 Sep 07 17:50	30° $\text{R}$ $\text{H}$	
	10548 Sep 10 21:12	0° $\text{M}$		opposition	10553 Sep 10 23:13	28° $\text{H}$ 46'44	-4°21'09
	10548 Oct 19 13:50	0° $\text{D}$		greatest brilliancy	10553 Sep 11 18:36	28° $\text{H}$ 28'11	-1.5m
	10548 Nov 28 18:45	0° $\text{M}$		min. Earth dist.	10553 Sep 16 15:22	26° $\text{H}$ 36'41	0.61958 AU
	10549 Jan 10 18:32	0° $\text{J}$		direct	10553 Oct 22 03:47	18° $\text{H}$ 50'56	
	10549 Feb 28 01:59	0° $\text{Z}$			10553 Dec 07 07:21	0° $\text{Y}$	
	10549 May 15 07:14	0° $\approx$			10554 Jan 31 05:40	0° $\text{B}$	

	10554 Mar 16 01:16	0°♄		minimum elong	10559 Feb 03 13:27	19°≈26'26	0°27'50
asc. node	10554 Apr 12 15:17	20°♄29'24			10559 Feb 20 03:36	0°♄	
	10554 Apr 25 01:55	0°♄		morning rise	10559 Mar 18 23:10	17°♄11'42	
	10554 Jun 02 13:33	0°♄			10559 Apr 07 17:41	0°♄	
	10554 Jul 10 21:37	0°♄			10559 May 23 07:07	0°♄	
	10554 Aug 19 02:40	0°♄			10559 Jul 06 17:12	0°♄	
evening set	10554 Sep 24 20:26	27°♄04'00			10559 Aug 19 02:23	0°♄	
	10554 Sep 28 22:15	0°♄			10559 Sep 30 21:33	0°♄	
	10554 Nov 10 18:00	0°♄			10559 Nov 13 14:55	0°♄	
				asc. node	10559 Dec 03 23:38	13°♄01'34	
conjunction	10554 Nov 19 16:35	6°♄05'12	0°52'00		10560 Jan 03 21:48	0°♄	
minimum elong	10554 Nov 19 18:08	6°♄07'50	0°52'27	retrograde	10560 Feb 14 19:46	11°♄00'49	
max. Earth dist.	10554 Dec 14 21:43	22°♄57'15	2.59547 AU	min. Earth dist.	10560 Mar 11 23:40	6°♄23'13	0.41646 AU
	10554 Dec 25 14:48	0°♄		greatest brilliancy	10560 Mar 18 06:00	4°♄22'56	-2.6m
morning rise	10555 Jan 08 07:59	8°♄55'22		opposition	10560 Mar 19 21:30	3°♄50'57	5°50'23
	10555 Feb 10 08:09	0°≈			10560 Apr 02 09:40	30°♄	
desc. node	10555 Mar 08 02:34	16°≈05'29		direct	10560 Apr 19 23:57	27°♄56'27	
	10555 Mar 30 19:14	0°♄			10560 May 08 04:10	0°♄	
	10555 May 20 15:08	0°♄			10560 Jul 17 08:36	0°♄	
	10555 Jul 16 15:16	0°♄			10560 Sep 07 15:05	0°♄	
retrograde	10555 Sep 20 21:25	18°♄53'22		desc. node	10560 Oct 27 18:27	0°♄08'54	
opposition	10555 Oct 25 17:14	11°♄47'36	-5°24'37		10560 Oct 27 12:35	0°♄	
greatest brilliancy	10555 Oct 27 10:18	11°♄11'34	-2.1m		10560 Dec 15 09:19	0°≈	
min. Earth dist.	10555 Nov 03 09:15	8°♄45'49	0.49986 AU	evening set	10561 Jan 24 15:33	25°≈15'09	
direct	10555 Dec 02 22:10	3°♄05'07			10561 Feb 01 02:37	0°♄	
	10556 Feb 13 15:07	0°♄		max. Earth dist.	10561 Feb 20 21:04	12°♄42'17	2.64205 AU
asc. node	10556 Feb 28 18:50	9°♄35'52					
	10556 Mar 29 06:39	0°♄		conjunction	10561 Mar 10 05:27	24°♄00'54	-0°59'19
	10556 May 08 18:02	0°♄		minimum elong	10561 Mar 10 04:26	23°♄59'14	0°59'12
	10556 Jun 17 10:50	0°♄			10561 Mar 19 07:22	0°♄	
	10556 Jul 27 21:12	0°♄		morning rise	10561 Apr 24 16:42	24°♄28'40	
	10556 Sep 07 20:25	0°♄			10561 May 02 17:42	0°♄	
	10556 Oct 21 16:05	0°♄			10561 Jun 14 08:57	0°♄	
evening set	10556 Nov 12 01:18	14°♄13'02			10561 Jul 25 09:56	0°♄	
	10556 Dec 06 04:40	0°♄			10561 Sep 03 06:32	0°♄	
					10561 Oct 12 16:19	0°♄	
conjunction	10556 Dec 29 20:40	15°♄15'26	0°12'44	asc. node	10561 Oct 20 18:32	6°♄07'47	
minimum elong	10556 Dec 29 21:07	15°♄16'09	0°13'15		10561 Nov 21 19:49	0°♄	
behind sun begin	10556 Dec 29 10:23	14°♄58'58			10562 Jan 03 23:36	0°♄	
behind sun end	10556 Dec 30 07:50	15°♄33'19			10562 Feb 28 03:23	0°♄	
max. Earth dist.	10557 Jan 07 15:09	20°♄52'05	2.66614 AU	retrograde	10562 Apr 04 14:00	7°♄41'43	
	10557 Jan 21 23:10	0°≈		min. Earth dist.	10562 May 06 10:15	0°♄49'33	0.55252 AU
desc. node	10557 Jan 22 20:19	0°≈33'37			10562 May 08 14:17	30°♄	
morning rise	10557 Feb 12 12:32	13°≈39'46		greatest brilliancy	10562 May 12 10:08	28°♄31'30	-1.9m
	10557 Mar 10 10:03	0°♄		opposition	10562 May 13 11:30	28°♄07'05	4°24'41
	10557 Apr 27 04:21	0°♄		direct	10562 Jun 18 13:12	20°♄04'20	
	10557 Jun 14 07:22	0°♄			10562 Aug 02 10:04	0°♄	
	10557 Aug 02 13:16	0°♄		desc. node	10562 Sep 14 23:48	19°♄57'16	
	10557 Sep 25 04:29	0°♄			10562 Oct 03 23:13	0°♄	
retrograde	10557 Nov 30 16:16	20°♄40'58			10562 Nov 25 12:44	0°≈	
opposition	10557 Dec 30 13:09	15°♄41'18	-1°15'08		10563 Jan 13 14:14	0°♄	
greatest brilliancy	10557 Dec 30 19:46	15°♄36'47	-3.0m		10563 Mar 01 00:01	0°♄	
min. Earth dist.	10558 Jan 03 13:27	14°♄35'47	0.37485 AU	evening set	10563 Mar 02 22:36	1°♄17'27	
asc. node	10558 Jan 15 23:16	11°♄39'13		max. Earth dist.	10563 Mar 20 01:06	12°♄47'59	2.55040 AU
direct	10558 Jan 30 09:54	10°♄15'46			10563 Apr 13 23:06	0°♄	
	10558 Mar 31 08:57	0°♄					
	10558 May 19 00:20	0°♄		conjunction	10563 Apr 20 02:10	4°♄18'42	-1°07'32
	10558 Jul 02 20:44	0°♄		minimum elong	10563 Apr 20 02:42	4°♄19'37	1°07'47
	10558 Aug 16 17:55	0°♄			10563 May 25 17:18	0°♄	
	10558 Oct 01 14:38	0°♄		morning rise	10563 Jun 12 10:24	13°♄08'59	
	10558 Nov 17 11:16	0°♄			10563 Jul 04 16:50	0°♄	
desc. node	10558 Dec 10 16:57	14°♄43'30			10563 Aug 12 11:51	0°♄	
evening set	10558 Dec 20 23:12	21°♄12'44		asc. node	10563 Sep 07 12:32	20°♄21'25	
	10559 Jan 03 20:50	0°≈			10563 Sep 19 20:39	0°♄	
max. Earth dist.	10559 Jan 30 00:51	16°≈34'05	2.68168 AU		10563 Oct 28 17:15	0°♄	
					10563 Dec 08 04:41	0°♄	
conjunction	10559 Feb 03 14:13	19°≈27'40	-0°28'13		10564 Jan 20 23:51	0°♄	

	10564 Mar 12 20:01	0°♄			10569 Jul 18 19:03	0°♍		
retrograde	10564 May 11 07:24	17°♄20'35			10569 Aug 26 17:48	0°♊		
min. Earth dist.	10564 Jun 17 09:54	8°♄42'23	0.64941 AU	evening set	10569 Aug 31 11:23	3°♊34'25		
opposition	10564 Jun 20 19:44	7°♄21'08	1°31'15		10569 Oct 06 06:27	0°♌		
greatest brilliancy	10564 Jun 20 15:35	7°♄25'16	-1.4m					
	10564 Jul 13 00:11	30°♌♌		conjunction	10569 Oct 31 11:47	17°♌57'39	1°02'26	
direct	10564 Jul 30 06:12	28°♌06'28		minimum elong	10569 Oct 31 13:01	17°♌59'50	1°02'48	
desc. node	10564 Aug 02 04:58	28°♌09'37			10569 Nov 17 19:54	0°♌		
	10564 Aug 17 16:05	0°♄		max. Earth dist.	10569 Dec 03 09:46	10°♌36'53	2.55347 AU	
	10564 Oct 31 16:48	0°♌		morning rise	10569 Dec 23 14:30	24°♌06'28		
	10564 Dec 23 13:52	0°♌			10570 Jan 01 13:22	0°♄		
	10565 Feb 09 02:01	0°♌			10570 Feb 17 10:16	0°♌		
	10565 Mar 25 02:35	0°♌		desc. node	10570 Mar 24 19:06	21°♌43'19		
evening set	10565 Apr 15 22:28	15°♌37'28			10570 Apr 07 16:04	0°♌		
max. Earth dist.	10565 May 01 13:00	27°♌05'00	2.41900 AU		10570 May 31 01:27	0°♌		
	10565 May 05 11:11	0°♌			10570 Aug 15 03:58	0°♌		
				retrograde	10570 Aug 31 01:18	1°♌25'58		
conjunction	10565 Jun 13 09:24	29°♌36'41	-0°29'08		10570 Sep 15 05:03	30°♌♌		
minimum elong	10565 Jun 13 11:42	29°♌41'08	0°29'38	opposition	10570 Oct 06 13:36	23°♌38'10	-5°15'17	
	10565 Jun 13 21:26	0°♌		greatest brilliancy	10570 Oct 07 23:37	23°♌06'53	-1.8m	
	10565 Jul 22 04:05	0°♌		min. Earth dist.	10570 Oct 14 08:08	20°♌47'07	0.55312 AU	
asc. node	10565 Jul 25 06:59	2°♌27'58		direct	10570 Nov 15 09:26	14°♌13'28		
morning rise	10565 Aug 22 15:31	24°♌52'39			10571 Jan 08 16:14	0°♌		
	10565 Aug 29 03:32	0°♌			10571 Feb 27 09:46	0°♌		
	10565 Oct 06 16:51	0°♌		asc. node	10571 Mar 17 11:00	12°♌37'25		
	10565 Nov 15 16:54	0°♌			10571 Apr 10 03:03	0°♌		
	10565 Dec 28 01:32	0°♌			10571 May 19 10:26	0°♌		
	10566 Feb 12 00:44	0°♄			10571 Jun 27 08:56	0°♌		
	10566 Apr 06 06:09	0°♌			10571 Aug 06 03:50	0°♌		
retrograde	10566 Jun 14 10:24	20°♌50'35			10571 Sep 16 13:05	0°♌		
desc. node	10566 Jun 20 06:01	20°♌37'45		evening set	10571 Oct 26 16:00	27°♌49'41		
opposition	10566 Jul 24 23:28	11°♌09'30	-1°11'39		10571 Oct 29 20:52	0°♌		
greatest brilliancy	10566 Jul 24 23:15	11°♌09'44	-1.3m		10571 Dec 14 01:20	0°♄		
min. Earth dist.	10566 Jul 25 08:31	11°♌00'34	0.68310 AU					
direct	10566 Sep 04 06:13	1°♌17'16		conjunction	10571 Dec 15 20:54	1°♄11'00	0°28'56	
	10566 Nov 29 04:18	0°♌		minimum elong	10571 Dec 15 21:54	1°♄12'37	0°29'27	
	10567 Jan 19 09:59	0°♌		max. Earth dist.	10571 Dec 30 15:57	10°♄46'08	2.64494 AU	
	10567 Mar 05 09:44	0°♌			10572 Jan 29 17:25	0°♌		
	10567 Apr 15 20:30	0°♌		morning rise	10572 Jan 30 22:55	0°♌46'50		
	10567 May 25 02:03	0°♌		desc. node	10572 Feb 09 11:24	6°♌48'37		
asc. node	10567 Jun 12 03:54	14°♌10'51			10572 Mar 17 10:21	0°♌		
evening set	10567 Jun 18 01:13	18°♌49'45			10572 May 05 00:42	0°♌		
	10567 Jul 02 03:41	0°♌			10572 Jun 24 02:58	0°♌		
	10567 Aug 09 00:57	0°♌			10572 Aug 17 15:54	0°♌		
				retrograde	10572 Oct 30 02:10	23°♌10'55		
conjunction	10567 Aug 28 18:31	15°♌26'37	0°49'45	opposition	10572 Nov 30 19:48	17°♌26'03	-4°00'48	
minimum elong	10567 Aug 28 14:51	15°♌19'31	0°49'32	greatest brilliancy	10572 Dec 02 02:46	17°♌02'15	-2.7m	
	10567 Sep 16 15:32	0°♌		min. Earth dist.	10572 Dec 08 11:48	15°♌05'55	0.41488 AU	
max. Earth dist.	10567 Oct 21 08:41	26°♌03'03	2.41765 AU	direct	10573 Jan 03 20:53	10°♌36'54		
	10567 Oct 26 17:59	0°♌		asc. node	10573 Feb 01 14:00	16°♌01'28		
morning rise	10567 Nov 04 10:34	6°♌18'50			10573 Mar 03 10:22	0°♌		
	10567 Dec 07 23:06	0°♌			10573 Apr 19 11:00	0°♌		
	10568 Jan 21 18:30	0°♄			10573 May 31 22:52	0°♌		
	10568 Mar 09 22:09	0°♌			10573 Jul 13 04:32	0°♌		
	10568 May 03 05:59	0°♌			10573 Aug 25 12:09	0°♌		
desc. node	10568 May 07 02:24	1°♌53'22			10573 Oct 09 08:03	0°♌		
retrograde	10568 Jul 19 02:16	23°♌49'00			10573 Nov 24 12:55	0°♄		
opposition	10568 Aug 27 09:07	14°♌49'19	-3°34'06	evening set	10573 Dec 06 11:43	7°♄39'06		
greatest brilliancy	10568 Aug 27 20:19	14°♌38'27	-1.4m	desc. node	10573 Dec 27 06:55	20°♄54'26		
min. Earth dist.	10568 Aug 31 13:51	13°♌11'41	0.65063 AU		10574 Jan 10 14:35	0°♌		
direct	10568 Oct 07 23:18	4°♌46'44						
	10568 Dec 23 02:36	0°♌		conjunction	10574 Jan 20 22:54	6°♌33'51	-0°13'01	
	10569 Feb 10 06:25	0°♌		minimum elong	10574 Jan 20 22:31	6°♌33'15	0°12'34	
	10569 Mar 24 20:50	0°♌		behind sun begin	10574 Jan 20 10:58	6°♌14'57		
asc. node	10569 Apr 29 06:41	26°♌46'03		behind sun end	10574 Jan 21 10:04	6°♌51'33		
	10569 May 03 10:55	0°♌		max. Earth dist.	10574 Jan 21 08:23	6°♌48'53	2.68208 AU	
	10569 Jun 10 16:36	0°♌			10574 Feb 26 21:07	0°♌		

morning rise	10574 Mar 05 11:18	4° $\text{X}$ 11'36	direct	10579 Jul 15 19:52	14° $\text{X}$ 26'17	
	10574 Apr 14 19:28	0° $\text{Y}$	desc. node	10579 Aug 19 16:34	20° $\text{X}$ 38'25	
	10574 May 31 02:53	0° $\text{B}$		10579 Sep 13 06:23	0° $\text{Z}$	
	10574 Jul 15 18:50	0° $\text{II}$		10579 Nov 11 10:53	0° $\approx$	
	10574 Aug 30 02:36	0° $\text{G}$		10580 Jan 01 08:09	0° $\text{X}$	
	10574 Oct 15 05:39	0° $\text{Q}$		10580 Feb 17 07:01	0° $\text{Y}$	
	10574 Dec 07 07:16	0° $\text{P}$	evening set	10580 Mar 27 21:44	26° $\text{Y}$ 57'21	
asc. node	10574 Dec 20 15:45	5° $\text{P}$ 27'48		10580 Apr 01 05:52	0° $\text{B}$	
retrograde	10575 Jan 19 16:12	11° $\text{P}$ 13'49	max. Earth dist.	10580 Apr 10 12:37	6° $\text{B}$ 34'28	2.47292 AU
min. Earth dist.	10575 Feb 14 21:17	6° $\text{P}$ 57'07		10580 May 12 17:22	0° $\text{II}$	
opposition	10575 Feb 19 21:05	5° $\text{P}$ 33'11				
greatest brilliancy	10575 Feb 19 00:04	5° $\text{P}$ 47'58	-2.9m	conjunction	10580 May 20 05:14	5° $\text{II}$ 35'00 -0°51'31
direct	10575 Mar 21 06:20	0° $\text{P}$ 30'18		minimum elong	10580 May 20 07:27	5° $\text{II}$ 39'10 0°51'59
	10575 Jun 10 12:24	0° $\text{G}$			10580 Jun 21 07:56	0° $\text{G}$
	10575 Jul 31 05:52	0° $\text{M}$	morning rise	10580 Jul 22 09:19	24° $\text{G}$ 11'50	
	10575 Sep 17 20:41	0° $\text{X}$		10580 Jul 29 18:27	0° $\text{Q}$	
	10575 Nov 05 05:06	0° $\text{Z}$	asc. node	10580 Aug 11 00:48	9° $\text{Q}$ 39'54	
desc. node	10575 Nov 14 07:19	5° $\text{Z}$ 38'54	greatest brilliancy	10580 Aug 11 22:08	10° $\text{Q}$ 21'57	1.2m
	10575 Dec 23 08:40	0° $\approx$		10580 Sep 05 20:20	0° $\text{P}$	
evening set	10576 Jan 11 19:43	12° $\approx$ 13'37		10580 Oct 14 10:52	0° $\text{G}$	
	10576 Feb 08 20:02	0° $\text{X}$		10580 Nov 23 12:37	0° $\text{M}$	
max. Earth dist.	10576 Feb 12 21:25	2° $\text{X}$ 35'41	2.66396 AU	10581 Jan 05 03:59	0° $\text{X}$	
				10581 Feb 21 06:37	0° $\text{Z}$	
conjunction	10576 Feb 25 01:46	10° $\text{X}$ 25'25	-0°49'08	10581 Apr 22 05:55	0° $\approx$	
minimum elong	10576 Feb 25 00:41	10° $\text{X}$ 23'39	0°48'54	retrograde	10581 Jun 01 06:11	8° $\approx$ 20'40
	10576 Mar 26 03:02	0° $\text{Y}$		desc. node	10581 Jul 06 19:26	0° $\approx$ 30'54
morning rise	10576 Apr 09 06:07	9° $\text{Y}$ 20'56			10581 Jul 08 03:05	30° $\text{R}$ $\text{Z}$
	10576 May 09 22:01	0° $\text{B}$	opposition	10581 Jul 11 22:39	28° $\text{Z}$ 29'28	-0°10'50
	10576 Jun 22 02:44	0° $\text{II}$	min. Earth dist.	10581 Jul 10 20:15	28° $\text{Z}$ 55'39	0.67780 AU
	10576 Aug 02 20:12	0° $\text{G}$	greatest brilliancy	10581 Jul 11 22:27	28° $\text{Z}$ 29'40	-1.3m
	10576 Sep 12 10:57	0° $\text{Q}$	direct	10581 Aug 21 16:03	18° $\text{Z}$ 48'49	
	10576 Oct 22 17:45	0° $\text{P}$		10581 Oct 09 15:33	0° $\approx$	
asc. node	10576 Nov 06 13:50	10° $\text{P}$ 54'36		10581 Dec 09 06:17	0° $\text{X}$	
	10576 Dec 03 07:05	0° $\text{G}$		10582 Jan 27 12:04	0° $\text{Y}$	
	10577 Jan 19 15:13	0° $\text{M}$		10582 Mar 12 23:48	0° $\text{B}$	
retrograde	10577 Mar 18 07:58	18° $\text{M}$ 44'39		10582 Apr 23 08:38	0° $\text{II}$	
min. Earth dist.	10577 Apr 16 18:00	12° $\text{M}$ 46'00	0.50049 AU	evening set	10582 May 21 10:47	21° $\text{II}$ 19'55
greatest brilliancy	10577 Apr 23 09:25	10° $\text{M}$ 19'25	-2.1m		10582 Jun 01 15:20	0° $\text{G}$
opposition	10577 Apr 24 21:21	9° $\text{M}$ 46'15	5°23'20	asc. node	10582 Jun 28 21:54	21° $\text{G}$ 24'51
direct	10577 May 29 03:20	2° $\text{M}$ 26'23			10582 Jul 09 18:13	0° $\text{Q}$
	10577 Aug 19 21:10	0° $\text{X}$				
desc. node	10577 Oct 01 11:14	23° $\text{X}$ 05'59		conjunction	10582 Jul 28 18:02	15° $\text{Q}$ 03'46 0°21'22
	10577 Oct 13 12:54	0° $\text{Z}$		minimum elong	10582 Jul 28 15:43	14° $\text{Q}$ 59'11 0°20'55
	10577 Dec 03 04:44	0° $\approx$			10582 Aug 16 15:20	0° $\text{P}$
	10578 Jan 20 14:16	0° $\text{X}$	max. Earth dist.	10582 Sep 01 12:13	12° $\text{P}$ 27'14	2.36793 AU
evening set	10578 Feb 15 21:51	16° $\text{X}$ 53'28			10582 Sep 24 04:08	0° $\text{G}$
	10578 Mar 07 20:37	0° $\text{Y}$	morning rise	10582 Oct 09 17:28	11° $\text{G}$ 49'50	
max. Earth dist.	10578 Mar 08 13:16	0° $\text{Y}$ 27'38	2.59200 AU		10582 Nov 03 04:01	0° $\text{M}$
					10582 Dec 15 07:50	0° $\text{X}$
conjunction	10578 Apr 03 02:37	17° $\text{Y}$ 40'53	-1°08'17		10583 Jan 29 08:38	0° $\text{Z}$
minimum elong	10578 Apr 03 02:17	17° $\text{Y}$ 40'18	1°08'23		10583 Mar 19 14:46	0° $\approx$
	10578 Apr 20 23:01	0° $\text{B}$			10583 May 18 17:37	0° $\text{X}$
morning rise	10578 May 22 09:19	22° $\text{B}$ 17'37		desc. node	10583 May 24 17:06	2° $\text{X}$ 16'39
	10578 Jun 02 00:11	0° $\text{II}$	retrograde	10583 Jul 05 18:04	10° $\text{X}$ 58'53	
	10578 Jul 12 08:06	0° $\text{G}$	opposition	10583 Aug 14 16:35	1° $\text{X}$ 40'18	-2°42'00
	10578 Aug 20 11:14	0° $\text{Q}$	greatest brilliancy	10583 Aug 14 21:32	1° $\text{X}$ 35'28	-1.3m
asc. node	10578 Sep 24 06:39	27° $\text{Q}$ 00'59	min. Earth dist.	10583 Aug 17 09:32	0° $\text{X}$ 36'45	0.67128 AU
	10578 Sep 28 03:01	0° $\text{P}$			10583 Aug 18 23:17	30° $\text{R}$ $\approx$
	10578 Nov 06 06:49	0° $\text{G}$	direct	10583 Sep 25 08:42	21° $\approx$ 37'59	
	10578 Dec 17 06:57	0° $\text{M}$		10583 Nov 04 22:57	0° $\text{X}$	
	10579 Jan 31 16:25	0° $\text{X}$		10584 Jan 04 07:17	0° $\text{Y}$	
	10579 Apr 05 10:41	0° $\text{Z}$		10584 Feb 20 02:18	0° $\text{B}$	
retrograde	10579 Apr 28 09:49	3° $\text{Z}$ 15'23		10584 Apr 02 01:39	0° $\text{II}$	
	10579 May 20 02:41	30° $\text{R}$ $\text{X}$		10584 May 11 10:43	0° $\text{G}$	
min. Earth dist.	10579 Jun 02 15:21	25° $\text{X}$ 13'36	0.61857 AU	asc. node	10584 May 15 21:39	3° $\text{G}$ 28'22
opposition	10579 Jun 07 12:28	23° $\text{X}$ 17'58	2°38'35	greatest brilliancy	10584 Jun 03 12:54	18° $\text{G}$ 06'40 1.2m
greatest brilliancy	10579 Jun 07 01:56	23° $\text{X}$ 28'22	-1.6m		10584 Jun 18 13:45	0° $\text{Q}$



	10584 Jul 26 13:04	0°♎			10589 Jan 17 08:02	0°♏	
evening set	10584 Aug 03 05:22	6°♎00'47		morning rise	10589 Feb 20 04:03	21°♏26'50	
	10584 Sep 03 07:21	0°♏			10589 Mar 05 16:30	0°♐	
					10589 Apr 22 02:20	0°♑	
conjunction	10584 Oct 09 04:32	26°♏46'39	1°06'28		10589 Jun 08 10:26	0°♒	
minimum elong	10584 Oct 09 04:24	26°♏46'25	1°06'39		10589 Jul 26 00:23	0°♓	
	10584 Oct 13 14:37	0°♓			10589 Sep 13 02:41	0°♈	
max. Earth dist.	10584 Nov 19 21:10	26°♓29'14	2.50377 AU		10589 Nov 10 01:46	0°♉	
	10584 Nov 24 22:57	0°♊		retrograde	10589 Dec 19 06:06	8°♉45'19	
morning rise	10584 Dec 06 02:28	7°♊38'17		asc. node	10590 Jan 06 07:32	6°♉43'33	
	10585 Jan 08 14:42	0°♋		opposition	10590 Jan 18 00:10	3°♉50'34	0°55'08
	10585 Feb 24 18:21	0°♌		greatest brilliancy	10590 Jan 18 00:03	3°♉50'39	-3.1m
desc. node	10585 Apr 10 10:37	26°♌42'27		min. Earth dist.	10590 Jan 18 18:02	3°♉38'40	0.36537 AU
	10585 Apr 16 04:57	0°♍			10590 Feb 03 14:56	30°♒♈	
	10585 Jun 13 11:33	0°♎		direct	10590 Feb 16 17:05	28°♈52'32	
retrograde	10585 Aug 12 23:13	16°♎01'36			10590 Mar 01 14:01	0°♉	
opposition	10585 Sep 19 18:58	7°♎40'45	-4°44'37		10590 May 08 15:54	0°♎	
greatest brilliancy	10585 Sep 20 19:38	7°♎17'26	-1.6m		10590 Jun 25 11:29	0°♏	
min. Earth dist.	10585 Sep 26 06:28	5°♎13'53	0.59844 AU		10590 Aug 10 16:45	0°♓	
	10585 Oct 12 18:00	30°♒♈			10590 Sep 26 07:06	0°♊	
direct	10585 Oct 30 15:16	27°♒52'17			10590 Nov 12 14:04	0°♋	
	10585 Nov 18 05:28	0°♌		desc. node	10590 Nov 30 19:24	11°♋29'03	
	10586 Jan 23 21:56	0°♍		evening set	10590 Dec 28 23:18	29°♋13'14	
	10586 Mar 10 01:15	0°♎			10590 Dec 30 04:59	0°♌	
asc. node	10586 Apr 03 00:30	17°♎31'14		max. Earth dist.	10591 Feb 04 01:58	22°♌41'56	2.67775 AU
	10586 Apr 19 12:37	0°♏					
	10586 May 28 05:40	0°♉		conjunction	10591 Feb 11 08:00	27°♌18'58	-0°36'29
	10586 Jul 05 17:27	0°♎		minimum elong	10591 Feb 11 07:03	27°♌17'27	0°36'09
	10586 Aug 14 02:07	0°♏			10591 Feb 15 12:58	0°♐	
	10586 Sep 24 01:21	0°♓		morning rise	10591 Mar 26 20:21	25°♐19'29	
evening set	10586 Oct 07 03:02	9°♓17'01			10591 Apr 03 00:23	0°♑	
	10586 Nov 06 00:06	0°♊			10591 May 18 06:39	0°♒	
					10591 Jul 01 04:54	0°♓	
conjunction	10586 Nov 29 15:19	15°♊56'10	0°44'10		10591 Aug 12 21:02	0°♏	
minimum elong	10586 Nov 29 16:46	15°♊58'35	0°44'40		10591 Sep 23 15:52	0°♉	
	10586 Dec 20 22:30	0°♋			10591 Nov 04 14:04	0°♎	
max. Earth dist.	10586 Dec 20 21:05	29°♊57'40	2.61539 AU	asc. node	10591 Nov 24 06:39	13°♎35'45	
morning rise	10587 Jan 16 19:02	17°♋23'31			10591 Dec 19 16:43	0°♏	
	10587 Feb 05 14:01	0°♌		retrograde	10592 Feb 27 13:08	26°♏15'52	
desc. node	10587 Feb 26 03:42	12°♌56'16		min. Earth dist.	10592 Mar 25 16:31	21°♏12'04	0.44562 AU
	10587 Mar 25 16:32	0°♍		greatest brilliancy	10592 Apr 01 09:03	18°♏55'12	-2.4m
	10587 May 14 12:09	0°♎		opposition	10592 Apr 03 02:59	18°♏19'12	5°56'43
	10587 Jul 06 23:53	0°♏		direct	10592 May 05 07:27	11°♏52'11	
	10587 Sep 25 01:02	0°♐			10592 Jul 06 14:00	0°♓	
retrograde	10587 Oct 04 04:41	0°♑29'49			10592 Aug 31 22:14	0°♊	
	10587 Oct 13 01:04	30°♒♈		desc. node	10592 Oct 17 22:31	27°♊30'52	
opposition	10587 Nov 06 22:15	23°♒50'54	-5°12'20		10592 Oct 22 02:19	0°♋	
greatest brilliancy	10587 Nov 08 15:46	23°♒15'43	-2.3m		10592 Dec 10 12:09	0°♌	
min. Earth dist.	10587 Nov 15 16:05	20°♒54'10	0.46905 AU		10593 Jan 27 10:41	0°♍	
direct	10587 Dec 13 21:34	15°♒41'34		evening set	10593 Feb 01 14:36	3°♐17'32	
	10588 Feb 01 10:08	0°♓		max. Earth dist.	10593 Feb 26 10:04	19°♐18'47	2.62659 AU
asc. node	10588 Feb 19 05:14	9°♓49'34			10593 Mar 14 16:14	0°♑	
	10588 Mar 21 09:54	0°♏					
	10588 May 02 03:09	0°♉		conjunction	10593 Mar 18 13:53	2°♑35'22	-1°03'48
	10588 Jun 11 11:29	0°♎		minimum elong	10593 Mar 18 13:01	2°♑33'56	1°03'47
	10588 Jul 22 08:40	0°♏			10593 Apr 28 00:02	0°♒	
	10588 Sep 02 16:32	0°♓		morning rise	10593 May 04 02:34	4°♒14'13	
	10588 Oct 16 18:44	0°♊			10593 Jun 09 10:30	0°♓	
evening set	10588 Nov 21 05:50	23°♊20'58			10593 Jul 20 05:09	0°♏	
	10588 Dec 01 11:53	0°♋			10593 Aug 28 18:52	0°♉	
					10593 Oct 06 20:33	0°♎	
conjunction	10589 Jan 07 01:12	23°♋27'18	0°03'09	asc. node	10593 Oct 11 02:44	3°♎15'38	
minimum elong	10589 Jan 07 01:18	23°♋27'28	0°03'40		10593 Nov 15 12:12	0°♏	
behind sun begin	10589 Jan 06 06:49	22°♋58'02			10593 Dec 27 12:30	0°♓	
behind sun end	10589 Jan 07 19:47	23°♋56'53			10594 Feb 14 15:35	0°♊	
desc. node	10589 Jan 12 21:36	27°♋10'48		retrograde	10594 Apr 13 15:27	17°♊51'11	
max. Earth dist.	10589 Jan 12 17:43	27°♋04'38	2.67415 AU	min. Earth dist.	10594 May 16 18:09	10°♊32'04	0.57843 AU

greatest brilliancy	10594 May 22 06:04	8° $\text{♊}$ 23'39	-1.7m	evening set	10599 Jul 04 19:59	5° $\text{♏}$ 59'52	
opposition	10594 May 23 01:32	8° $\text{♊}$ 04'40	3°46'37		10599 Aug 04 03:59	0° $\text{♏}$	
	10594 Jun 22 04:55	30° $\text{♏}$			10599 Sep 11 18:56	0° $\text{♏}$	
direct	10594 Jun 29 00:15	29° $\text{♏}$ 42'08					
	10594 Jul 05 23:37	0° $\text{♊}$		conjunction	10599 Sep 14 03:12	1° $\text{♏}$ 47'21	0°59'50
desc. node	10594 Sep 05 03:34	19° $\text{♊}$ 23'38		minimum elong	10599 Sep 14 00:34	1° $\text{♏}$ 42'19	0°59'47
	10594 Sep 26 18:16	0° $\text{♊}$			10599 Oct 21 22:04	0° $\text{♏}$	
	10594 Nov 20 01:17	0° $\text{♊}$		max. Earth dist.	10599 Nov 03 13:00	9° $\text{♏}$ 08'38	2.44894 AU
	10595 Jan 08 16:33	0° $\text{♊}$		morning rise	10599 Nov 17 03:49	18° $\text{♏}$ 50'34	
	10595 Feb 24 07:03	0° $\text{♊}$			10599 Dec 03 03:00	0° $\text{♊}$	
evening set	10595 Mar 11 23:05	10° $\text{♊}$ 29'42			10600 Jan 16 19:24	0° $\text{♊}$	
max. Earth dist.	10595 Mar 27 10:01	21° $\text{♊}$ 03'29	2.52440 AU		10600 Mar 05 11:01	0° $\text{♊}$	
	10595 Apr 09 06:26	0° $\text{♊}$			10600 Apr 26 20:44	0° $\text{♊}$	
				desc. node	10600 Apr 28 03:41	0° $\text{♊}$ 40'59	
conjunction	10595 Apr 30 14:10	15° $\text{♊}$ 09'38	-1°04'06		10600 Jul 09 23:36	0° $\text{♊}$	
minimum elong	10595 Apr 30 15:19	15° $\text{♊}$ 11'43	1°04'26	retrograde	10600 Jul 28 18:16	1° $\text{♊}$ 57'38	
	10595 May 20 22:44	0° $\text{♊}$			10600 Aug 15 11:33	30° $\text{♊}$	
morning rise	10595 Jun 25 22:07	27° $\text{♊}$ 01'39		opposition	10600 Sep 05 14:15	23° $\text{♊}$ 10'29	-4°02'11
	10595 Jun 29 19:21	0° $\text{♊}$		greatest brilliancy	10600 Sep 06 05:54	22° $\text{♊}$ 55'25	-1.5m
	10595 Aug 07 11:30	0° $\text{♊}$		min. Earth dist.	10600 Sep 10 15:06	21° $\text{♊}$ 14'13	0.63466 AU
asc. node	10595 Aug 28 19:54	16° $\text{♊}$ 44'50		direct	10600 Oct 17 00:17	13° $\text{♊}$ 10'35	
	10595 Sep 14 17:32	0° $\text{♊}$			10600 Dec 15 01:27	0° $\text{♊}$	
	10595 Oct 23 10:59	0° $\text{♊}$			10601 Feb 05 00:42	0° $\text{♊}$	
	10595 Dec 02 16:59	0° $\text{♊}$			10601 Mar 20 07:57	0° $\text{♊}$	
	10596 Jan 14 21:15	0° $\text{♊}$		asc. node	10601 Apr 20 15:39	23° $\text{♊}$ 26'30	
	10596 Mar 04 03:58	0° $\text{♊}$			10601 Apr 29 04:26	0° $\text{♊}$	
retrograde	10596 May 19 00:44	25° $\text{♊}$ 29'31			10601 Jun 06 13:37	0° $\text{♊}$	
min. Earth dist.	10596 Jun 26 01:53	16° $\text{♊}$ 33'17	0.66219 AU		10601 Jul 14 18:42	0° $\text{♊}$	
opposition	10596 Jun 28 15:47	15° $\text{♊}$ 31'45	0°52'47		10601 Aug 22 19:55	0° $\text{♊}$	
greatest brilliancy	10596 Jun 28 14:02	15° $\text{♊}$ 33'30	-1.4m	evening set	10601 Sep 15 16:10	17° $\text{♊}$ 46'16	
desc. node	10596 Jul 23 07:26	7° $\text{♊}$ 35'28			10601 Oct 02 11:08	0° $\text{♊}$	
direct	10596 Aug 07 14:35	6° $\text{♊}$ 06'34					
	10596 Oct 24 05:25	0° $\text{♊}$		conjunction	10601 Nov 12 16:12	29° $\text{♊}$ 01'05	0°56'58
	10596 Dec 18 01:24	0° $\text{♊}$		minimum elong	10601 Nov 12 17:44	29° $\text{♊}$ 03'43	0°57'24
	10597 Feb 04 02:57	0° $\text{♊}$			10601 Nov 14 02:30	0° $\text{♊}$	
	10597 Mar 20 07:36	0° $\text{♊}$		max. Earth dist.	10601 Dec 11 03:42	18° $\text{♊}$ 18'00	2.57757 AU
evening set	10597 Apr 27 19:51	27° $\text{♊}$ 52'04			10601 Dec 28 20:25	0° $\text{♊}$	
	10597 Apr 30 16:36	0° $\text{♊}$		morning rise	10602 Jan 02 17:30	3° $\text{♊}$ 11'27	
max. Earth dist.	10597 May 19 20:27	14° $\text{♊}$ 26'43	2.39053 AU				
	10597 Jun 09 01:40	0° $\text{♊}$					
conjunction	10597 Jun 28 18:00	15° $\text{♊}$ 22'37	-0°12'09				
minimum elong	10597 Jun 28 19:14	15° $\text{♊}$ 25'01	0°12'39				
behind sun begin	10597 Jun 28 01:00	14° $\text{♊}$ 49'12					
behind sun end	10597 Jun 29 13:28	16° $\text{♊}$ 00'51					
asc. node	10597 Jul 15 14:11	28° $\text{♊}$ 39'24					
	10597 Jul 17 06:58	0° $\text{♊}$					
	10597 Aug 24 05:18	0° $\text{♊}$					
morning rise	10597 Sep 09 16:30	12° $\text{♊}$ 55'12					
	10597 Oct 01 17:47	0° $\text{♊}$					
	10597 Nov 10 16:49	0° $\text{♊}$					
	10597 Dec 22 21:55	0° $\text{♊}$					
	10598 Feb 06 09:22	0° $\text{♊}$					
	10598 Mar 29 13:41	0° $\text{♊}$					
desc. node	10598 Jun 10 08:03	27° $\text{♊}$ 39'32					
retrograde	10598 Jun 22 02:06	28° $\text{♊}$ 28'20					
opposition	10598 Aug 01 11:12	18° $\text{♊}$ 54'28	-1°46'03				
greatest brilliancy	10598 Aug 01 12:08	18° $\text{♊}$ 53'33	-1.3m				
min. Earth dist.	10598 Aug 02 16:20	18° $\text{♊}$ 25'46	0.68169 AU				
direct	10598 Sep 11 22:37	8° $\text{♊}$ 57'27					
	10598 Nov 21 08:36	0° $\text{♊}$					
	10599 Jan 13 17:24	0° $\text{♊}$					
	10599 Feb 28 06:36	0° $\text{♊}$					
	10599 Apr 10 21:49	0° $\text{♊}$					
	10599 May 20 04:37	0° $\text{♊}$					
asc. node	10599 Jun 02 13:24	10° $\text{♊}$ 27'48					
	10599 Jun 27 06:34	0° $\text{♊}$					