




































































































































superior conj	9100 May 12 14:13	25°♄33'08	-1°27'38	morning rise	9102 Oct 09 21:25	17°♎14'28	
minimum elong	9100 May 12 15:32	25°♄37'19	1°27'51	direct	9102 Oct 27 07:19	11°♎32'42	
max. Earth dist.	9100 May 12 22:53	26°♄00'23	1.71253 AU	greatest brilliancy	9102 Nov 06 03:03	13°♎17'58	-4.7m
	9100 May 16 03:05	0°♈			9102 Dec 02 10:07	0°♎	
	9100 Jun 09 00:24	0°♉		morning max el	9102 Dec 15 04:04	11°♎36'50	45°44'35
evening rise	9100 Jun 22 01:48	16°♉21'05		asc. node	9102 Dec 21 22:03	18°♎17'04	
	9100 Jul 03 00:12	0°♊			9103 Jan 02 04:06	0°♏	
asc. node	9100 Jul 06 00:03	3°♊43'48			9103 Jan 29 01:04	0°♐	
	9100 Jul 27 03:58	0°♋			9103 Feb 23 12:03	0°♑	
	9100 Aug 20 13:04	0°♌			9103 Mar 20 06:04	0°♒	
	9100 Sep 14 05:48	0°♍		desc. node	9103 Apr 12 15:41	28°♒49'48	
	9100 Oct 09 10:14	0°♎			9103 Apr 13 14:20	0°♓	
desc. node	9100 Oct 25 19:05	19°♎02'57			9103 May 07 16:45	0°♈	
	9100 Nov 04 09:21	0°♏			9103 May 31 16:07	0°♈	
	9100 Dec 01 18:17	0°♐		morning set	9103 Jun 17 19:06	21°♈27'15	
evening max el	9100 Dec 18 11:13	16°♐54'27	46°00'47		9103 Jun 24 14:57	0°♉	
	9101 Jan 01 22:15	0°♑			9103 Jul 18 15:11	0°♊	
greatest brilliancy	9101 Jan 26 21:29	15°♑44'42	-4.8m				
retrograde	9101 Feb 05 17:18	17°♑31'38		superior conj	9103 Jul 27 01:38	10°♊30'37	-0°17'59
asc. node	9101 Feb 15 19:06	15°♑28'34		minimum elong	9103 Jul 27 05:56	10°♊44'02	0°18'00
evening set	9101 Feb 20 05:14	13°♑23'13		max. Earth dist.	9103 Jul 30 07:19	14°♊32'25	1.72200 AU
inferior conj	9101 Feb 26 11:56	9°♑41'35	2°42'01	asc. node	9103 Aug 03 12:17	19°♊46'25	
minimum elong	9101 Feb 26 05:55	9°♑50'51	2°40'16		9103 Aug 11 17:47	0°♋	
min. Earth dist.	9101 Feb 26 16:20	9°♑34'48	0.27326 AU	evening rise	9103 Sep 03 06:45	27°♋55'14	
morning rise	9101 Mar 04 06:13	6°♑16'08			9103 Sep 04 23:07	0°♌	
direct	9101 Mar 19 09:02	1°♑45'28			9103 Sep 29 07:39	0°♍	
greatest brilliancy	9101 Mar 29 17:52	3°♑47'26	-4.9m		9103 Oct 23 20:32	0°♎	
	9101 May 04 04:44	0°♓			9103 Nov 17 15:27	0°♏	
morning max el	9101 May 08 22:20	4°♓41'21	46°58'35	desc. node	9103 Nov 23 06:27	6°♏45'19	
	9101 Jun 01 13:34	0°♈			9103 Dec 12 18:11	0°♐	
desc. node	9101 Jun 07 14:23	6°♈48'34			9104 Jan 07 07:25	0°♑	
	9101 Jun 27 14:34	0°♈			9104 Feb 02 14:45	0°♒	
	9101 Jul 22 19:11	0°♉		evening max el	9104 Mar 01 01:34	29°♒14'35	46°43'59
	9101 Aug 16 15:26	0°♊			9104 Mar 01 19:48	0°♓	
	9101 Sep 10 07:53	0°♋		asc. node	9104 Mar 15 06:13	12°♓37'18	
asc. node	9101 Sep 28 11:21	22°♋08'13		greatest brilliancy	9104 Apr 10 15:03	29°♓59'23	-4.9m
	9101 Oct 04 21:42	0°♌			9104 Apr 10 15:45	0°♈	
	9101 Oct 29 08:55	0°♍		retrograde	9104 Apr 20 07:59	1°♈46'05	
morning set	9101 Nov 08 05:26	12°♍07'04			9104 Apr 29 15:44	30°♈	
	9101 Nov 22 17:49	0°♎		evening set	9104 May 08 13:06	25°♈28'01	
max. Earth dist.	9101 Dec 13 16:24	25°♎50'33	1.73078 AU	inferior conj	9104 May 10 23:53	23°♈57'55	9°13'15
				minimum elong	9104 May 11 00:27	23°♈57'02	9°13'03
superior conj	9101 Dec 14 19:32	27°♎14'22	1°10'49	min. Earth dist.	9104 May 10 23:34	23°♈58'24	0.27128 AU
minimum elong	9101 Dec 15 04:36	27°♎42'22	1°10'51	morning rise	9104 May 13 11:49	22°♈26'05	
	9101 Dec 17 01:10	0°♏		direct	9104 May 31 15:47	16°♈10'17	
	9102 Jan 10 07:36	0°♐		greatest brilliancy	9104 Jun 10 06:39	17°♈54'49	-4.9m
desc. node	9102 Jan 18 04:17	9°♐43'42			9104 Jun 30 10:32	0°♈	
evening rise	9102 Jan 21 16:39	14°♐04'49		desc. node	9104 Jul 05 02:01	3°♈49'13	
	9102 Feb 03 13:07	0°♑		morning max el	9104 Jul 20 19:42	18°♈27'09	46°38'32
	9102 Feb 27 17:34	0°♒			9104 Aug 01 01:53	0°♉	
	9102 Mar 23 21:34	0°♓			9104 Aug 28 08:40	0°♊	
	9102 Apr 17 03:19	0°♈			9104 Sep 23 08:45	0°♋	
asc. node	9102 May 11 02:33	29°♈22'24			9104 Oct 18 17:58	0°♌	
	9102 May 11 14:55	0°♉		asc. node	9104 Oct 25 23:45	8°♌39'21	
	9102 Jun 05 14:57	0°♊			9104 Nov 12 17:12	0°♍	
	9102 Jul 01 15:48	0°♋			9104 Dec 07 08:47	0°♎	
evening max el	9102 Jul 26 17:39	26°♋36'11	46°15'10		9104 Dec 31 18:46	0°♏	
	9102 Jul 30 05:08	0°♌		morning set	9105 Jan 16 03:34	18°♏59'13	
desc. node	9102 Aug 30 22:54	24°♌20'24			9105 Jan 25 00:53	0°♐	
greatest brilliancy	9102 Sep 03 08:11	25°♌47'53	-4.8m	desc. node	9105 Feb 14 16:39	25°♐40'07	
retrograde	9102 Sep 14 09:14	28°♌00'49			9105 Feb 18 04:06	0°♑	
evening set	9102 Oct 01 01:33	22°♌39'48		max. Earth dist.	9105 Feb 20 15:06	3°♑03'51	1.72016 AU
min. Earth dist.	9102 Oct 05 04:59	20°♌07'46	0.28885 AU				
inferior conj	9102 Oct 05 20:29	19°♌43'27	-7°19'34	superior conj	9105 Feb 23 21:47	7°♑09'08	-0°22'11
minimum elong	9102 Oct 05 11:19	19°♌57'49	7°18'02	minimum elong	9105 Feb 23 16:28	6°♑52'34	0°21'48

	9105 Mar 14 04:47	0° Υ			9107 Aug 15 19:38	0° Ω
evening rise	9105 Apr 04 15:23	26° Υ 51'34		greatest brilliancy	9107 Aug 24 01:02	1° Ω 44'01 -4.8m
	9105 Apr 07 03:30	0° \mathcal{B}			9107 Oct 01 23:26	0° \mathfrak{M}
	9105 May 01 01:45	0° Π		morning max el	9107 Oct 02 07:08	0° \mathfrak{M} 18'27 45°53'53
	9105 May 25 01:54	0° \mathfrak{E}			9107 Oct 30 23:14	0° $\underline{\Omega}$
asc. node	9105 Jun 07 14:06	16° \mathfrak{E} 46'52		asc. node	9107 Nov 23 12:07	26° $\underline{\Omega}$ 26'11
	9105 Jun 18 06:46	0° Ω			9107 Nov 26 14:23	0° \mathfrak{M}
	9105 Jul 12 19:35	0° \mathfrak{M}			9107 Dec 22 03:10	0° \mathcal{X}
	9105 Aug 06 21:11	0° $\underline{\Omega}$			9108 Jan 16 00:35	0° \mathcal{Z}
	9105 Sep 01 21:45	0° \mathfrak{M}			9108 Feb 09 12:29	0° \approx
desc. node	9105 Sep 27 09:54	27° \mathfrak{M} 23'20			9108 Mar 04 18:08	0° \mathcal{H}
	9105 Sep 30 00:10	0° \mathcal{X}		desc. node	9108 Mar 14 05:05	11° \mathcal{H} 46'25
evening max el	9105 Oct 05 10:43	5° \mathcal{X} 20'05 45°44'15			9108 Mar 28 19:19	0° Υ
	9105 Nov 05 13:38	0° \mathcal{Z}		morning set	9108 Mar 30 08:17	1° Υ 55'37
greatest brilliancy	9105 Nov 13 14:32	3° \mathcal{Z} 35'38 -4.7m			9108 Apr 21 17:23	0° \mathcal{B}
retrograde	9105 Nov 23 06:04	5° \mathcal{Z} 17'22				
	9105 Dec 09 23:06	30° \mathcal{R} \mathcal{X}		superior conj	9108 May 10 01:10	23° \mathcal{B} 02'10 -1°27'46
evening set	9105 Dec 10 13:23	29° \mathcal{X} 39'07		minimum elong	9108 May 10 01:23	23° \mathcal{B} 02'54 1°27'59
inferior conj	9105 Dec 14 15:52	27° \mathcal{X} 07'56 -7°12'11		max. Earth dist.	9108 May 10 07:33	23° \mathcal{B} 22'17 1.71247 AU
minimum elong	9105 Dec 15 01:17	26° \mathcal{X} 53'09 7°10'21			9108 May 15 14:03	0° Π
min. Earth dist.	9105 Dec 15 08:56	26° \mathcal{X} 41'11 0.28771 AU			9108 Jun 08 11:21	0° \mathfrak{E}
morning rise	9105 Dec 19 12:50	24° \mathcal{X} 08'38		evening rise	9108 Jun 19 13:22	13° \mathfrak{E} 52'57
direct	9106 Jan 05 01:34	18° \mathcal{X} 51'35			9108 Jul 02 11:12	0° Ω
greatest brilliancy	9106 Jan 16 04:26	21° \mathcal{X} 07'00 -4.8m		asc. node	9108 Jul 05 02:05	3° Ω 15'52
asc. node	9106 Jan 18 09:39	22° \mathcal{X} 02'43			9108 Jul 26 15:04	0° \mathfrak{M}
	9106 Jan 31 13:28	0° \mathcal{Z}			9108 Aug 20 00:26	0° $\underline{\Omega}$
morning max el	9106 Feb 23 22:00	20° \mathcal{Z} 37'22 46°22'13			9108 Sep 13 17:38	0° \mathfrak{M}
	9106 Mar 05 01:29	0° \approx			9108 Oct 08 22:54	0° \mathcal{X}
	9106 Apr 01 03:11	0° \mathcal{H}		desc. node	9108 Oct 24 21:00	18° \mathcal{X} 29'32
	9106 Apr 26 14:36	0° Υ			9108 Nov 03 23:42	0° \mathcal{Z}
desc. node	9106 May 10 04:11	16° Υ 22'25			9108 Dec 01 12:30	0° \approx
	9106 May 21 08:32	0° \mathcal{B}		evening max el	9108 Dec 16 02:33	14° \approx 40'27 45°59'30
	9106 Jun 14 17:48	0° Π			9109 Jan 02 07:48	0° \mathcal{H}
	9106 Jul 08 23:33	0° \mathfrak{E}		greatest brilliancy	9109 Jan 24 11:01	13° \mathcal{H} 24'30 -4.8m
	9106 Aug 02 04:49	0° Ω		retrograde	9109 Feb 03 06:52	15° \mathcal{H} 10'53
	9106 Aug 26 10:49	0° \mathfrak{M}		asc. node	9109 Feb 14 21:02	12° \mathcal{H} 29'29
morning set	9106 Aug 28 19:50	2° \mathfrak{M} 56'12		evening set	9109 Feb 17 18:26	11° \mathcal{H} 03'24
asc. node	9106 Aug 31 00:42	5° \mathfrak{M} 39'36		inferior conj	9109 Feb 24 01:42	7° \mathcal{H} 20'30 2°19'37
	9106 Sep 19 17:33	0° $\underline{\Omega}$		minimum elong	9109 Feb 23 20:28	7° \mathcal{H} 28'34 2°18'06
				min. Earth dist.	9109 Feb 24 06:45	7° \mathcal{H} 12'42 0.27358 AU
superior conj	9106 Oct 05 07:35	19° $\underline{\Omega}$ 14'34 1°12'06		morning rise	9109 Mar 01 22:08	3° \mathcal{H} 51'52
minimum elong	9106 Oct 04 22:48	18° $\underline{\Omega}$ 47'29 1°11'56			9109 Mar 11 13:55	30° \mathcal{R} \approx
max. Earth dist.	9106 Oct 06 04:13	20° $\underline{\Omega}$ 18'14 1.73170 AU		direct	9109 Mar 16 23:46	29° \approx 24'02
	9106 Oct 14 00:49	0° \mathfrak{M}			9109 Mar 22 12:23	0° \mathcal{H}
	9106 Nov 07 08:59	0° \mathcal{X}		greatest brilliancy	9109 Mar 27 08:39	1° \mathcal{H} 26'03 -4.9m
evening rise	9106 Nov 10 19:09	4° \mathcal{X} 12'48			9109 May 04 04:47	0° Υ
	9106 Dec 01 18:48	0° \mathcal{Z}		morning max el	9109 May 06 12:24	2° Υ 18'59 46°58'00
desc. node	9106 Dec 20 18:16	23° \mathcal{Z} 14'56			9109 Jun 01 06:20	0° \mathcal{B}
	9106 Dec 26 06:44	0° \approx		desc. node	9109 Jun 06 16:23	6° \mathcal{B} 08'44
	9107 Jan 19 20:39	0° \mathcal{H}			9109 Jun 27 04:45	0° Π
	9107 Feb 13 12:49	0° Υ			9109 Jul 22 08:01	0° \mathfrak{E}
	9107 Mar 10 09:45	0° \mathcal{B}			9109 Aug 16 03:26	0° Ω
	9107 Apr 04 18:53	0° Π			9109 Sep 09 19:20	0° \mathfrak{M}
asc. node	9107 Apr 12 17:10	9° Π 08'20		asc. node	9109 Sep 27 13:10	21° \mathfrak{M} 39'34
	9107 May 01 10:40	0° \mathfrak{E}			9109 Oct 04 08:48	0° $\underline{\Omega}$
evening max el	9107 May 13 20:49	12° \mathfrak{E} 58'51 46°54'41			9109 Oct 28 19:48	0° \mathfrak{M}
	9107 Jun 01 04:47	0° Ω		morning set	9109 Nov 05 22:49	9° \mathfrak{M} 59'36
greatest brilliancy	9107 Jun 22 19:35	13° Ω 41'58 -4.9m			9109 Nov 22 04:36	0° \mathcal{X}
retrograde	9107 Jul 03 08:11	15° Ω 47'01		max. Earth dist.	9109 Dec 11 10:00	23° \mathcal{X} 43'30 1.73095 AU
evening set	9107 Jul 18 10:34	11° Ω 17'44				
inferior conj	9107 Jul 24 07:29	7° Ω 48'33 2°19'31		superior conj	9109 Dec 12 12:37	25° \mathcal{X} 05'39 1°12'40
minimum elong	9107 Jul 24 12:43	7° Ω 40'31 2°17'41		minimum elong	9109 Dec 12 21:23	25° \mathcal{X} 32'43 1°12'42
min. Earth dist.	9107 Jul 24 01:53	7° Ω 57'10 0.27495 AU			9109 Dec 16 11:56	0° \mathcal{Z}
morning rise	9107 Jul 30 15:18	4° Ω 05'23			9110 Jan 09 18:26	0° \approx
desc. node	9107 Aug 02 13:35	2° Ω 38'25		desc. node	9110 Jan 17 06:21	9° \approx 16'22
	9107 Aug 12 13:05	30° \mathcal{R} \mathfrak{E}		evening rise	9110 Jan 19 08:01	11° \approx 50'04
direct	9107 Aug 14 04:11	29° \mathfrak{E} 56'50			9110 Feb 03 00:07	0° \mathcal{H}

	9110 Feb 27 04:49	0°♄		asc. node	9112 Oct 25 01:46	8°♌09'35	
	9110 Mar 23 09:09	0°♄			9112 Nov 12 04:43	0°♌	
	9110 Apr 16 15:21	0°♌			9112 Dec 06 19:55	0°♌	
asc. node	9110 May 10 04:30	28°♌49'47			9112 Dec 31 05:43	0°♌	
	9110 May 11 03:38	0°♌		morning set	9113 Jan 13 19:13	16°♌45'17	
	9110 Jun 05 04:52	0°♌			9113 Jan 24 11:47	0°♌	
	9110 Jul 01 08:14	0°♌		desc. node	9113 Feb 13 18:32	25°♌11'58	
evening max el	9110 Jul 24 08:59	24°♌20'34	46°16'42		9113 Feb 17 15:02	0°♌	
	9110 Jul 30 05:12	0°♌		max. Earth dist.	9113 Feb 18 06:37	0°♌48'33	1.72059 AU
desc. node	9110 Aug 30 00:47	22°♌47'08					
greatest brilliancy	9110 Sep 01 00:27	23°♌36'11	-4.8m	superior conj	9113 Feb 21 11:01	4°♌46'37	-0°18'34
retrograde	9110 Sep 12 01:01	25°♌48'48		minimum elong	9113 Feb 21 06:33	4°♌32'42	0°18'12
evening set	9110 Sep 28 14:25	20°♌32'58			9113 Mar 13 15:46	0°♄	
min. Earth dist.	9110 Oct 02 20:27	17°♌57'05	0.28842 AU	evening rise	9113 Apr 02 03:33	24°♄24'44	
inferior conj	9110 Oct 03 12:26	17°♌31'59	-7°08'41		9113 Apr 06 14:33	0°♄	
minimum elong	9110 Oct 03 02:58	17°♌46'50	7°07'01		9113 Apr 30 12:54	0°♌	
morning rise	9110 Oct 07 15:52	14°♌59'08			9113 May 24 13:15	0°♌	
direct	9110 Oct 24 22:57	9°♌22'04		asc. node	9113 Jun 06 16:11	16°♌17'43	
greatest brilliancy	9110 Nov 03 17:52	11°♌06'17	-4.7m		9113 Jun 17 18:27	0°♌	
	9110 Dec 02 14:47	0°♌			9113 Jul 12 07:47	0°♌	
morning max el	9110 Dec 12 18:07	9°♌21'07	45°44'01		9113 Aug 06 10:22	0°♌	
asc. node	9110 Dec 21 00:06	17°♌32'16			9113 Sep 01 12:57	0°♌	
	9111 Jan 01 21:13	0°♌		desc. node	9113 Sep 26 11:51	26°♌38'08	
	9111 Jan 28 15:01	0°♌			9113 Sep 29 20:57	0°♌	
	9111 Feb 23 00:38	0°♌		evening max el	9113 Oct 03 01:30	3°♌06'22	45°44'43
	9111 Mar 19 17:58	0°♌			9113 Nov 07 15:29	0°♌	
desc. node	9111 Apr 11 17:38	28°♌20'02		greatest brilliancy	9113 Nov 11 04:35	1°♌22'54	-4.7m
	9111 Apr 13 01:53	0°♄		retrograde	9113 Nov 20 21:59	3°♌06'11	
	9111 May 07 04:04	0°♄			9113 Dec 03 11:37	30°♌♌	
	9111 May 31 03:18	0°♌		evening set	9113 Dec 08 07:43	27°♌23'08	
morning set	9111 Jun 15 07:28	19°♌00'52		inferior conj	9113 Dec 12 07:39	24°♌55'47	-7°23'06
	9111 Jun 24 02:02	0°♌		minimum elong	9113 Dec 12 16:46	24°♌41'30	7°21'23
	9111 Jul 18 02:11	0°♌		min. Earth dist.	9113 Dec 12 23:51	24°♌30'24	0.28815 AU
				morning rise	9113 Dec 17 01:31	22°♌01'17	
superior conj	9111 Jul 24 15:23	8°♌09'48	-0°21'35	direct	9114 Jan 02 17:44	16°♌38'57	
minimum elong	9111 Jul 24 20:30	8°♌25'46	0°21'33	greatest brilliancy	9114 Jan 13 20:09	18°♌54'15	-4.8m
max. Earth dist.	9111 Jul 27 21:45	12°♌13'47	1.72153 AU	asc. node	9114 Jan 17 11:37	20°♌29'59	
asc. node	9111 Aug 02 14:14	19°♌18'21			9114 Feb 01 03:49	0°♌	
	9111 Aug 11 04:44	0°♌		morning max el	9114 Feb 21 14:12	18°♌23'44	46°20'38
evening rise	9111 Aug 31 22:48	25°♌42'38			9114 Mar 04 20:23	0°♌	
	9111 Sep 04 10:05	0°♌			9114 Mar 31 18:02	0°♌	
	9111 Sep 28 18:43	0°♌			9114 Apr 26 03:45	0°♄	
	9111 Oct 23 07:52	0°♌		desc. node	9114 May 09 06:10	15°♄50'12	
desc. node	9111 Nov 17 03:15	0°♌			9114 May 20 20:46	0°♄	
	9111 Nov 22 08:31	6°♌15'43			9114 Jun 14 05:29	0°♌	
	9111 Dec 12 06:48	0°♌			9114 Jul 08 10:51	0°♌	
	9112 Jan 06 21:23	0°♌			9114 Aug 01 15:52	0°♌	
	9112 Feb 02 07:23	0°♄			9114 Aug 25 21:41	0°♌	
evening max el	9112 Feb 27 13:49	26°♄47'56	46°42'45	morning set	9114 Aug 26 11:39	0°♌43'10	
	9112 Mar 01 19:37	0°♄		asc. node	9114 Aug 30 02:33	5°♌11'48	
asc. node	9112 Mar 14 08:08	11°♌32'09			9114 Sep 19 04:18	0°♌	
greatest brilliancy	9112 Apr 08 04:31	27°♌34'20	-4.9m				
retrograde	9112 Apr 17 20:36	29°♌20'43		superior conj	9114 Oct 03 00:42	17°♌06'10	1°10'14
evening set	9112 May 06 01:13	23°♌04'07		minimum elong	9114 Oct 02 15:39	16°♌38'13	1°10'03
inferior conj	9112 May 08 12:57	21°♌32'41	9°13'22	max. Earth dist.	9114 Oct 03 23:52	18°♌17'39	1.73157 AU
minimum elong	9112 May 08 12:31	21°♌33'21	9°13'09		9114 Oct 13 11:32	0°♌	
min. Earth dist.	9112 May 08 12:32	21°♌33'20	0.27128 AU		9114 Nov 06 19:45	0°♌	
morning rise	9112 May 10 23:50	20°♌02'28		evening rise	9114 Nov 08 12:20	2°♌04'51	
direct	9112 May 29 04:10	13°♌44'41			9114 Dec 01 05:45	0°♌	
greatest brilliancy	9112 Jun 07 20:13	15°♌30'00	-4.9m	desc. node	9114 Dec 19 20:13	22°♌46'52	
	9112 Jun 30 23:00	0°♌			9114 Dec 25 17:58	0°♌	
desc. node	9112 Jul 04 04:07	2°♌44'12			9115 Jan 19 08:18	0°♌	
morning max el	9112 Jul 18 08:40	16°♌02'27	46°39'58		9115 Feb 13 01:05	0°♄	
	9112 Jul 31 21:12	0°♌			9115 Mar 09 23:01	0°♄	
	9112 Aug 27 23:47	0°♌			9115 Apr 04 09:53	0°♌	
	9112 Sep 22 21:59	0°♌		asc. node	9115 Apr 11 19:12	8°♌29'05	
	9112 Oct 18 06:08	0°♌			9115 May 01 05:39	0°♌	

evening max el	9115 May 11 11:54	10° \mathfrak{C} 39'49	46°55'28		9117 Oct 28 06:25	0° \mathfrak{M}	
	9115 Jun 01 16:40	0° \mathcal{Q}		morning set	9117 Nov 03 16:14	7° \mathfrak{M} 53'01	
greatest brilliancy	9115 Jun 20 10:20	11° \mathcal{Q} 21'58	-4.9m		9117 Nov 21 15:08	0° \mathcal{X}	
retrograde	9115 Jun 30 23:12	13° \mathcal{Q} 26'57		max. Earth dist.	9117 Dec 09 02:45	21° \mathcal{X} 34'33	1.73119 AU
evening set	9115 Jul 16 02:43	8° \mathcal{Q} 55'09					
inferior conj	9115 Jul 21 21:26	5° \mathcal{Q} 28'52	2°41'44	superior conj	9117 Dec 10 05:39	22° \mathcal{X} 57'35	1°14'23
minimum elong	9115 Jul 22 03:26	5° \mathcal{Q} 19'38	2°39'39	minimum elong	9117 Dec 10 14:03	23° \mathcal{X} 23'29	1°14'27
min. Earth dist.	9115 Jul 21 16:12	5° \mathcal{Q} 36'55	0.27463 AU		9117 Dec 15 22:29	0° \mathfrak{Z}	
morning rise	9115 Jul 28 04:41	1° \mathcal{Q} 46'53			9118 Jan 09 05:05	0° \approx	
	9115 Jul 31 21:13	30° \mathfrak{R} \mathfrak{C}		desc. node	9118 Jan 16 08:12	8° \approx 48'58	
desc. node	9115 Aug 01 15:24	29° \mathfrak{C} 41'13		evening rise	9118 Jan 16 23:09	9° \approx 35'11	
direct	9115 Aug 11 18:25	27° \mathfrak{C} 37'42			9118 Feb 02 10:57	0° \mathfrak{H}	
greatest brilliancy	9115 Aug 21 14:10	29° \mathfrak{C} 24'33	-4.8m		9118 Feb 26 15:53	0° \mathcal{Y}	
	9115 Aug 23 04:29	0° \mathcal{Q}			9118 Mar 22 20:31	0° \mathcal{B}	
morning max el	9115 Sep 29 22:29	28° \mathcal{Q} 05'10	45°54'55		9118 Apr 16 03:09	0° \mathfrak{I}	
	9115 Oct 01 21:57	0° \mathfrak{M}		asc. node	9118 May 09 06:33	28° \mathfrak{I} 18'15	
	9115 Oct 30 14:57	0° \mathfrak{L}			9118 May 10 16:07	0° \mathfrak{C}	
asc. node	9115 Nov 22 14:09	25° \mathfrak{L} 53'12			9118 Jun 04 18:36	0° \mathcal{Q}	
	9115 Nov 26 03:39	0° \mathfrak{M}			9118 Jul 01 00:38	0° \mathfrak{M}	
	9115 Dec 21 15:17	0° \mathcal{X}		evening max el	9118 Jul 21 23:33	22° \mathfrak{M} 03'53	46°18'14
	9116 Jan 15 12:06	0° \mathfrak{Z}			9118 Jul 30 06:04	0° \mathfrak{L}	
	9116 Feb 08 23:39	0° \approx		desc. node	9118 Aug 29 02:49	21° \mathfrak{L} 11'39	
	9116 Mar 04 05:07	0° \mathfrak{H}		greatest brilliancy	9118 Aug 29 16:51	21° \mathfrak{L} 25'25	-4.8m
desc. node	9116 Mar 13 06:57	11° \mathfrak{H} 18'05		retrograde	9118 Sep 09 16:41	23° \mathfrak{L} 37'51	
morning set	9116 Mar 27 19:19	29° \mathfrak{H} 25'57		evening set	9118 Sep 26 03:16	18° \mathfrak{L} 26'58	
	9116 Mar 28 06:13	0° \mathcal{Y}		min. Earth dist.	9118 Sep 30 12:09	15° \mathfrak{L} 47'07	0.28799 AU
	9116 Apr 21 04:15	0° \mathcal{B}		inferior conj	9118 Oct 01 04:23	15° \mathfrak{L} 21'38	-6°56'59
				minimum elong	9118 Sep 30 18:41	15° \mathfrak{L} 36'52	6°55'12
superior conj	9116 May 07 12:11	20° \mathfrak{B} 31'42	-1°27'44	morning rise	9118 Oct 05 10:23	12° \mathfrak{L} 44'52	
minimum elong	9116 May 07 11:17	20° \mathfrak{B} 28'55	1°27'56	direct	9118 Oct 22 14:03	7° \mathfrak{L} 12'25	
max. Earth dist.	9116 May 07 15:24	20° \mathfrak{B} 41'50	1.71243 AU	greatest brilliancy	9118 Nov 01 09:09	8° \mathfrak{L} 56'17	-4.7m
	9116 May 15 00:55	0° \mathfrak{I}			9118 Dec 02 17:09	0° \mathfrak{M}	
	9116 Jun 07 22:14	0° \mathfrak{C}		morning max el	9118 Dec 10 07:56	7° \mathfrak{M} 06'03	45°43'28
evening rise	9116 Jun 17 00:58	11° \mathfrak{C} 25'05		asc. node	9118 Dec 20 02:02	16° \mathfrak{M} 48'58	
	9116 Jul 01 22:06	0° \mathcal{Q}			9119 Jan 01 13:35	0° \mathcal{X}	
asc. node	9116 Jul 04 04:00	2° \mathcal{Q} 47'52			9119 Jan 28 04:31	0° \mathfrak{Z}	
	9116 Jul 26 02:03	0° \mathfrak{M}			9119 Feb 22 12:54	0° \approx	
	9116 Aug 19 11:39	0° \mathfrak{L}			9119 Mar 19 05:36	0° \mathfrak{H}	
	9116 Sep 13 05:20	0° \mathfrak{M}		desc. node	9119 Apr 10 19:41	27° \mathfrak{H} 51'21	
	9116 Oct 08 11:31	0° \mathcal{X}			9119 Apr 12 13:09	0° \mathcal{Y}	
desc. node	9116 Oct 23 23:02	17° \mathcal{X} 56'35			9119 May 06 15:06	0° \mathcal{B}	
	9116 Nov 03 14:07	0° \mathfrak{Z}			9119 May 30 14:08	0° \mathfrak{I}	
	9116 Dec 01 07:10	0° \approx		morning set	9119 Jun 12 19:32	16° \mathfrak{I} 34'38	
evening max el	9116 Dec 13 17:23	12° \approx 25'18	45°58'08		9119 Jun 23 12:44	0° \mathfrak{C}	
	9117 Jan 02 20:42	0° \mathfrak{H}			9119 Jul 17 12:48	0° \mathcal{Q}	
greatest brilliancy	9117 Jan 22 01:14	11° \mathfrak{H} 05'09	-4.8m				
retrograde	9117 Jan 31 19:58	12° \mathfrak{H} 50'15		superior conj	9119 Jul 22 05:03	5° \mathcal{Q} 49'52	-0°25'07
asc. node	9117 Feb 13 22:57	9° \mathfrak{H} 26'00		minimum elong	9119 Jul 22 10:58	6° \mathcal{Q} 08'19	0°25'04
evening set	9117 Feb 15 07:49	8° \mathfrak{H} 43'29		max. Earth dist.	9119 Jul 25 10:05	9° \mathcal{Q} 49'47	1.72107 AU
inferior conj	9117 Feb 21 15:26	4° \mathfrak{H} 59'49	1°56'54	asc. node	9119 Aug 01 16:05	18° \mathcal{Q} 51'10	
minimum elong	9117 Feb 21 11:02	5° \mathfrak{H} 06'38	1°55'39		9119 Aug 10 15:20	0° \mathfrak{M}	
min. Earth dist.	9117 Feb 21 21:30	4° \mathfrak{H} 50'26	0.27387 AU	evening rise	9119 Aug 29 14:52	23° \mathfrak{M} 31'10	
morning rise	9117 Feb 27 13:49	1° \mathfrak{H} 28'04			9119 Sep 03 20:42	0° \mathfrak{L}	
	9117 Mar 02 10:47	30° \mathfrak{R} \approx			9119 Sep 28 05:26	0° \mathfrak{M}	
direct	9117 Mar 14 13:48	27° \approx 02'58			9119 Oct 22 18:49	0° \mathcal{X}	
greatest brilliancy	9117 Mar 24 23:47	29° \approx 05'27	-4.9m		9119 Nov 16 14:41	0° \mathfrak{Z}	
	9117 Mar 27 05:09	0° \mathfrak{H}		desc. node	9119 Nov 21 10:31	5° \mathfrak{Z} 47'04	
morning max el	9117 May 04 01:28	29° \mathfrak{H} 54'44	46°57'26		9119 Dec 11 19:04	0° \approx	
	9117 May 04 03:34	0° \mathcal{Y}			9120 Jan 06 11:08	0° \mathfrak{H}	
	9117 May 31 22:33	0° \mathcal{B}			9120 Feb 02 00:01	0° \mathcal{Y}	
desc. node	9117 Jun 05 18:25	5° \mathfrak{B} 30'04		evening max el	9120 Feb 25 02:14	24° \mathcal{Y} 22'29	46°41'21
	9117 Jun 26 18:31	0° \mathfrak{I}			9120 Mar 01 20:23	0° \mathcal{B}	
	9117 Jul 21 20:32	0° \mathfrak{C}		asc. node	9120 Mar 13 10:12	10° \mathfrak{B} 25'54	
	9117 Aug 15 15:09	0° \mathcal{Q}		greatest brilliancy	9120 Apr 05 17:16	25° \mathfrak{B} 08'22	-4.9m
	9117 Sep 09 06:31	0° \mathfrak{M}		retrograde	9120 Apr 15 09:20	26° \mathfrak{B} 55'06	
asc. node	9117 Sep 26 15:12	21° \mathfrak{M} 12'24		evening set	9120 May 03 12:16	20° \mathfrak{B} 40'47	
	9117 Oct 03 19:37	0° \mathfrak{L}		inferior conj	9120 May 06 01:40	19° \mathfrak{B} 07'03	9°12'19

minimum elong	9120 May 06 00:14	19° ♁ 09'14	9°12'06	minimum elong	9122 Sep 30 08:25	14° ♁ 29'33	1°08'03
min. Earth dist.	9120 May 06 00:58	19° ♁ 08'08	0.27127 AU	max. Earth dist.	9122 Oct 01 20:57	16° ♁ 22'19	1.73138 AU
morning rise	9120 May 08 12:12	17° ♁ 37'31			9122 Oct 12 21:58	0° ♁	
direct	9120 May 26 16:32	11° ♁ 18'42		evening rise	9122 Nov 06 05:38	29° ♁ 58'03	
greatest brilliancy	9120 Jun 05 09:07	13° ♁ 04'42	-4.9m		9122 Nov 06 06:16	0° ♁	
	9120 Jul 01 07:58	0° ♁			9122 Nov 30 16:27	0° ♁	
desc. node	9120 Jul 03 05:59	1° ♁ 41'00		desc. node	9122 Dec 18 22:06	22° ♁ 19'20	
morning max el	9120 Jul 15 22:14	13° ♁ 40'10	46°41'32		9122 Dec 25 04:56	0° ♁	
	9120 Jul 31 15:36	0° ♁			9123 Jan 18 19:42	0° ♁	
	9120 Aug 27 14:18	0° ♁			9123 Feb 12 13:07	0° ♁	
	9120 Sep 22 10:42	0° ♁			9123 Mar 09 12:04	0° ♁	
	9120 Oct 17 17:51	0° ♁			9123 Apr 04 00:49	0° ♁	
asc. node	9120 Oct 24 03:43	7° ♁ 40'53		asc. node	9123 Apr 10 21:12	7° ♁ 50'07	
	9120 Nov 11 15:49	0° ♁			9123 May 01 00:59	0° ♁	
	9120 Dec 06 06:40	0° ♁		evening max el	9123 May 09 03:02	8° ♁ 21'14	46°55'51
	9120 Dec 30 16:17	0° ♁			9123 Jun 02 08:34	0° ♁	
morning set	9121 Jan 11 11:13	14° ♁ 33'43		greatest brilliancy	9123 Jun 18 01:25	9° ♁ 02'06	-4.9m
	9121 Jan 23 22:19	0° ♁		retrograde	9123 Jun 28 13:46	11° ♁ 06'01	
desc. node	9121 Feb 12 20:28	24° ♁ 45'05		evening set	9123 Jul 13 18:49	6° ♁ 31'51	
max. Earth dist.	9121 Feb 15 23:43	28° ♁ 39'23	1.72105 AU	inferior conj	9123 Jul 19 11:09	3° ♁ 08'34	3°03'52
	9121 Feb 17 01:36	0° ♁		minimum elong	9123 Jul 19 17:53	2° ♁ 58'11	3°01'35
				min. Earth dist.	9123 Jul 19 06:29	3° ♁ 15'46	0.27431 AU
superior conj	9121 Feb 19 00:20	2° ♁ 25'35	-0°14'55		9123 Jul 24 17:56	30° ♁	
minimum elong	9121 Feb 18 20:45	2° ♁ 14'23	0°14'36	morning rise	9123 Jul 25 17:32	29° ♁ 27'51	
behind sun begin	9121 Feb 18 10:04	1° ♁ 41'08		desc. node	9123 Jul 31 17:26	26° ♁ 47'40	
behind sun end	9121 Feb 19 07:25	2° ♁ 47'38		direct	9123 Aug 09 08:21	25° ♁ 18'06	
	9121 Mar 13 02:26	0° ♁		greatest brilliancy	9123 Aug 19 03:05	27° ♁ 04'17	-4.8m
evening rise	9121 Mar 30 15:37	21° ♁ 58'27			9123 Aug 25 18:57	0° ♁	
	9121 Apr 06 01:19	0° ♁		morning max el	9123 Sep 27 12:57	25° ♁ 49'46	45°56'07
	9121 Apr 29 23:49	0° ♁			9123 Oct 01 19:29	0° ♁	
	9121 May 24 00:22	0° ♁			9123 Oct 30 06:15	0° ♁	
asc. node	9121 Jun 05 18:02	15° ♁ 48'38		asc. node	9123 Nov 21 16:03	25° ♁ 20'34	
	9121 Jun 17 05:53	0° ♁			9123 Nov 25 16:37	0° ♁	
	9121 Jul 11 19:44	0° ♁			9123 Dec 21 03:09	0° ♁	
	9121 Aug 05 23:18	0° ♁			9124 Jan 14 23:23	0° ♁	
	9121 Sep 01 04:00	0° ♁			9124 Feb 08 10:38	0° ♁	
desc. node	9121 Sep 25 13:55	25° ♁ 53'39			9124 Mar 03 15:56	0° ♁	
	9121 Sep 29 18:00	0° ♁		desc. node	9124 Mar 12 09:01	10° ♁ 50'55	
evening max el	9121 Sep 30 17:14	0° ♁ 56'08	45°45'16	morning set	9124 Mar 25 06:51	26° ♁ 58'21	
greatest brilliancy	9121 Nov 08 18:39	29° ♁ 11'39	-4.7m		9124 Mar 27 16:56	0° ♁	
	9121 Nov 11 11:23	0° ♁			9124 Apr 20 14:57	0° ♁	
retrograde	9121 Nov 18 14:09	0° ♁ 56'20					
	9121 Nov 25 10:44	30° ♁		superior conj	9124 May 04 23:35	18° ♁ 03'03	-1°27'30
evening set	9121 Dec 06 02:06	25° ♁ 08'53		minimum elong	9124 May 04 21:37	17° ♁ 56'51	1°27'42
inferior conj	9121 Dec 09 23:31	22° ♁ 45'05	-7°33'15	max. Earth dist.	9124 May 04 21:51	17° ♁ 57'34	1.71241 AU
minimum elong	9121 Dec 10 08:17	22° ♁ 31'22	7°31'41		9124 May 14 11:38	0° ♁	
min. Earth dist.	9121 Dec 10 14:36	22° ♁ 21'29	0.28855 AU		9124 Jun 07 08:58	0° ♁	
morning rise	9121 Dec 14 14:16	19° ♁ 55'20		evening rise	9124 Jun 14 12:33	8° ♁ 57'27	
direct	9121 Dec 31 10:22	14° ♁ 28'02			9124 Jul 01 08:54	0° ♁	
greatest brilliancy	9122 Jan 11 11:14	16° ♁ 42'15	-4.8m	asc. node	9124 Jul 03 05:54	2° ♁ 20'08	
asc. node	9122 Jan 16 13:29	19° ♁ 01'36			9124 Jul 25 13:00	0° ♁	
	9122 Feb 01 13:51	0° ♁			9124 Aug 18 22:52	0° ♁	
morning max el	9122 Feb 19 06:35	16° ♁ 11'58	46°19'00		9124 Sep 12 17:03	0° ♁	
	9122 Mar 04 14:22	0° ♁			9124 Oct 08 00:10	0° ♁	
	9122 Mar 31 08:20	0° ♁		desc. node	9124 Oct 23 01:01	17° ♁ 23'29	
	9122 Apr 25 16:30	0° ♁			9124 Nov 03 04:38	0° ♁	
desc. node	9122 May 08 08:06	15° ♁ 18'42			9124 Dec 01 02:14	0° ♁	
	9122 May 20 08:43	0° ♁		evening max el	9124 Dec 11 07:21	10° ♁ 08'27	45°56'51
	9122 Jun 13 16:56	0° ♁			9125 Jan 03 13:44	0° ♁	
	9122 Jul 07 21:58	0° ♁		greatest brilliancy	9125 Jan 19 15:56	8° ♁ 46'55	-4.8m
	9122 Aug 01 02:42	0° ♁		retrograde	9125 Jan 29 08:52	10° ♁ 30'34	
morning set	9122 Aug 24 03:15	28° ♁ 30'09		evening set	9125 Feb 12 21:32	6° ♁ 23'52	
	9122 Aug 25 08:18	0° ♁		asc. node	9125 Feb 13 01:03	6° ♁ 19'09	
asc. node	9122 Aug 29 04:34	4° ♁ 45'19		inferior conj	9125 Feb 19 05:21	2° ♁ 40'00	1°34'08
	9122 Sep 18 14:46	0° ♁		minimum elong	9125 Feb 19 01:47	2° ♁ 45'32	1°33'09
				min. Earth dist.	9125 Feb 19 12:46	2° ♁ 28'32	0.27419 AU
superior conj	9122 Sep 30 17:42	14° ♁ 58'12	1°08'16		9125 Feb 23 14:48	30° ♁	

morning rise	9125 Feb 25 05:29	29°  05'20		9127 Sep 27 16:22	0° 	
direct	9125 Mar 12 03:36	24°  42'23		9127 Oct 22 06:03	0° 	
greatest brilliancy	9125 Mar 22 15:41	26°  46'13 -4.9m		9127 Nov 16 02:27	0° 	
	9125 Mar 29 11:19	0° 	desc. node	9127 Nov 20 12:21	5°  17'02	
morning max el	9125 May 01 14:25	27°  30'22 46°57'00		9127 Dec 11 07:43	0° 	
	9125 May 04 01:20	0° 		9128 Jan 06 01:18	0° 	
	9125 May 31 14:23	0° 		9128 Feb 01 17:16	0° 	
desc. node	9125 Jun 04 20:17	4°  13'34	evening max el	9128 Feb 22 15:40	21°  59'05 46°40'02	
	9125 Jun 26 08:05	0° 		9128 Mar 01 22:48	0° 	
	9125 Jul 21 08:56	0° 	asc. node	9128 Mar 12 12:10	9°  16'55	
	9125 Aug 15 02:50	0° 	greatest brilliancy	9128 Apr 03 05:24	22°  41'10 -4.9m	
	9125 Sep 08 17:43	0° 	retrograde	9128 Apr 12 22:35	24°  28'53	
asc. node	9125 Sep 25 17:10	20°  44'50	evening set	9128 Apr 30 22:46	18°  17'33	
	9125 Oct 03 06:30	0° 	inferior conj	9128 May 03 14:25	16°  40'34 9°10'14	
	9125 Oct 27 17:06	0° 	minimum elong	9128 May 03 11:59	16°  44'17 9°09'59	
morning set	9125 Nov 01 09:24	5°  45'25	min. Earth dist.	9128 May 03 13:04	16°  42'38 0.27128 AU	
	9125 Nov 21 01:43	0° 	morning rise	9128 May 06 01:12	15°  10'47	
max. Earth dist.	9125 Dec 06 20:04	19°  27'15 1.73140 AU	direct	9128 May 24 05:30	8°  51'57	
			greatest brilliancy	9128 Jun 02 21:36	10°  38'02 -4.9m	
superior conj	9125 Dec 07 22:38	20°  49'15 1°15'59		9128 Jul 01 14:49	0° 	
minimum elong	9125 Dec 08 06:37	21°  13'53 1°16'05	desc. node	9128 Jul 02 07:59	0° 	
	9125 Dec 15 09:04	0° 	morning max el	9128 Jul 13 12:52	11°  19'35 46°43'07	
	9126 Jan 08 15:47	0° 		9128 Jul 31 09:53	0° 	
evening rise	9126 Jan 14 14:25	7°  20'47		9128 Aug 27 04:55	0° 	
desc. node	9126 Jan 15 10:09	8°  21'47		9128 Sep 21 23:36	0° 	
	9126 Feb 01 21:51	0° 		9128 Oct 17 05:47	0° 	
	9126 Feb 26 03:03	0° 	asc. node	9128 Oct 23 05:36	7°  11'14	
	9126 Mar 22 08:00	0° 		9128 Nov 11 03:11	0° 	
	9126 Apr 15 15:04	0° 		9128 Dec 05 17:43	0° 	
asc. node	9126 May 08 08:27	27°  45'57		9128 Dec 30 03:12	0° 	
	9126 May 10 04:44	0° 	morning set	9129 Jan 09 03:18	12°  21'25	
	9126 Jun 04 08:29	0° 		9129 Jan 23 09:11	0° 	
	9126 Jun 30 17:22	0° 	desc. node	9129 Feb 11 22:30	24°  17'34	
evening max el	9126 Jul 19 13:45	19°  46'07 46°19'44	max. Earth dist.	9129 Feb 13 15:28	26°  25'03 1.72146 AU	
	9126 Jul 30 08:22	0° 				
greatest brilliancy	9126 Aug 27 08:48	19°  13'40 -4.8m	superior conj	9129 Feb 16 13:44	0°  43'48 -0°11'15	
desc. node	9126 Aug 28 04:51	19°  32'20	minimum elong	9129 Feb 16 11:02	29°  55'23 0°10'59	
retrograde	9126 Sep 07 08:31	21°  26'38	behind sun begin	9129 Feb 15 16:42	28°  58'19	
evening set	9126 Sep 23 16:09	16°  20'12	behind sun end	9129 Feb 17 05:21	0°  52'29	
min. Earth dist.	9126 Sep 28 03:53	13°  36'36 0.28760 AU		9129 Feb 16 12:30	0° 	
inferior conj	9126 Sep 28 20:20	13°  10'49 -6°44'39		9129 Mar 12 13:24	0° 	
minimum elong	9126 Sep 28 10:26	13°  26'21 6°42'45	evening rise	9129 Mar 28 03:47	19°  31'36	
morning rise	9126 Oct 03 05:00	10°  30'13		9129 Apr 05 12:24	0° 	
direct	9126 Oct 20 04:59	5°  02'02		9129 Apr 29 11:04	0° 	
greatest brilliancy	9126 Oct 30 00:50	6°  46'11 -4.7m		9129 May 23 11:52	0° 	
	9126 Dec 02 18:22	0° 	asc. node	9129 Jun 04 19:59	15°  18'41	
morning max el	9126 Dec 07 22:42	4°  52'39 45°43'03		9129 Jun 16 17:42	0° 	
asc. node	9126 Dec 19 03:58	16°  40'53'36		9129 Jul 11 08:06	0° 	
	9127 Jan 01 05:51	0° 		9129 Aug 05 12:41	0° 	
	9127 Jan 27 18:04	0° 		9129 Aug 31 19:37	0° 	
	9127 Feb 22 01:15	0° 	desc. node	9129 Sep 24 15:52	25°  40'15	
	9127 Mar 18 17:21	0° 	evening max el	9129 Sep 28 09:31	28°  46'17 45°45'50	
desc. node	9127 Apr 09 21:31	27°  41'21'35		9129 Sep 29 16:16	0° 	
	9127 Apr 12 00:34	0° 	greatest brilliancy	9129 Nov 06 08:57	26°  45'58 -4.7m	
	9127 May 06 02:18	0° 	retrograde	9129 Nov 16 06:05	28°  45'35	
	9127 May 30 01:10	0° 	evening set	9129 Dec 03 20:28	22°  45'08	
morning set	9127 Jun 10 07:42	14°  07'56	inferior conj	9129 Dec 07 15:29	20°  43'38 -7°42'40	
	9127 Jun 22 23:38	0° 	minimum elong	9129 Dec 07 23:49	20°  42'34 7°41'16	
	9127 Jul 16 23:36	0° 	min. Earth dist.	9129 Dec 08 05:21	20°  41'54 0.28894 AU	
			morning rise	9129 Dec 12 03:01	17°  48'28	
superior conj	9127 Jul 19 18:53	3°  29'46 -0°28'36	direct	9129 Dec 29 03:10	12°  41'628	
minimum elong	9127 Jul 20 01:34	3°  50'39 0°28'32	greatest brilliancy	9130 Jan 09 02:01	14°  42'54 -4.8m	
max. Earth dist.	9127 Jul 22 21:44	7°  23'03 1.72061 AU	asc. node	9130 Jan 15 15:37	17°  43'523	
asc. node	9127 Jul 31 18:08	18°  24'04		9130 Feb 01 21:39	0° 	
	9127 Aug 10 02:06	0° 	morning max el	9130 Feb 16 22:37	13°  58'11 46°17'15	
evening rise	9127 Aug 27 07:08	21°  19'46		9130 Mar 04 08:23	0° 	
	9127 Sep 03 07:29	0° 		9130 Mar 30 22:54	0° 	

	9130 Apr 25 05:33	0°♄			9132 Nov 02 19:38	0°♄
desc. node	9130 May 07 10:03	14°♄46'13			9132 Nov 30 22:09	0°♄
	9130 May 19 20:57	0°♄	evening max el		9132 Dec 08 20:43	7°♄49'40 45°55'43
	9130 Jun 13 04:42	0°♄			9133 Jan 04 13:06	0°♄
	9130 Jul 07 09:24	0°♄	greatest brilliancy		9133 Jan 17 06:22	6°♄28'03 -4.8m
	9130 Jul 31 13:54	0°♄	retrograde		9133 Jan 26 21:51	8°♄10'55
morning set	9130 Aug 21 18:44	26°♄15'34	evening set		9133 Feb 10 11:28	4°♄03'33
	9130 Aug 24 19:18	0°♄	asc. node		9133 Feb 12 02:58	3°♄09'00
asc. node	9130 Aug 28 06:30	4°♄17'20	inferior conj		9133 Feb 16 19:20	0°♄19'57 1°11'25
	9130 Sep 18 01:37	0°♄	minimum elong		9133 Feb 16 16:36	0°♄24'10 1°10'42
			min. Earth dist.		9133 Feb 17 04:04	0°♄06'25 0.27458 AU
superior conj	9130 Sep 28 10:40	12°♄48'58 1°06'12			9133 Feb 17 08:13	30°♄
minimum elong	9130 Sep 28 01:13	12°♄19'48 1°05'57	morning rise		9133 Feb 22 21:04	26°♄42'49
max. Earth dist.	9130 Sep 29 17:40	14°♄24'41 1.73113 AU	direct		9133 Mar 09 17:26	22°♄21'22
	9130 Oct 12 08:46	0°♄	greatest brilliancy		9133 Mar 20 08:01	24°♄27'15 -4.9m
evening rise	9130 Nov 03 23:00	27°♄50'22			9133 Mar 30 22:50	0°♄
	9130 Nov 05 17:08	0°♄	morning max el		9133 Apr 29 03:53	25°♄06'35 46°56'23
	9130 Nov 30 03:29	0°♄			9133 May 03 22:37	0°♄
desc. node	9130 Dec 18 00:09	21°♄51'14			9133 May 31 06:17	0°♄
	9130 Dec 24 16:18	0°♄	desc. node		9133 Jun 03 22:19	4°♄12'54
	9131 Jan 18 07:31	0°♄			9133 Jun 25 21:50	0°♄
	9131 Feb 12 01:38	0°♄			9133 Jul 20 21:30	0°♄
	9131 Mar 09 01:41	0°♄			9133 Aug 14 14:41	0°♄
	9131 Apr 03 16:25	0°♄			9133 Sep 08 05:04	0°♄
asc. node	9131 Apr 09 23:06	7°♄09'10	asc. node		9133 Sep 24 18:59	20°♄16'20
	9131 Apr 30 21:21	0°♄			9133 Oct 02 17:32	0°♄
evening max el	9131 May 06 17:33	5°♄59'51 46°56'17			9133 Oct 27 03:56	0°♄
	9131 Jun 03 06:43	0°♄	morning set		9133 Oct 30 02:26	3°♄36'51
greatest brilliancy	9131 Jun 15 17:00	6°♄41'38 -4.9m			9133 Nov 20 12:28	0°♄
retrograde	9131 Jun 26 03:47	8°♄43'45	max. Earth dist.		9133 Dec 04 14:24	17°♄22'35 1.73158 AU
evening set	9131 Jul 11 11:02	4°♄07'07				
inferior conj	9131 Jul 17 00:50	0°♄47'07 3°25'42	superior conj		9133 Dec 05 15:44	18°♄40'44 1°17'29
minimum elong	9131 Jul 17 08:16	0°♄35'40 3°23'15	minimum elong		9133 Dec 05 23:17	19°♄04'01 1°17'36
min. Earth dist.	9131 Jul 16 21:00	0°♄53'02 0.27401 AU			9133 Dec 14 19:49	0°♄
	9131 Jul 18 07:28	30°♄			9134 Jan 08 02:37	0°♄
morning rise	9131 Jul 23 06:03	27°♄07'41	evening rise		9134 Jan 12 05:58	5°♄06'58
desc. node	9131 Jul 30 19:32	23°♄57'47	desc. node		9134 Jan 14 12:11	7°♄54'28
direct	9131 Aug 06 21:51	22°♄57'13			9134 Feb 01 08:51	0°♄
greatest brilliancy	9131 Aug 16 16:24	24°♄43'03 -4.8m			9134 Feb 25 14:18	0°♄
	9131 Aug 27 10:49	0°♄			9134 Mar 21 19:35	0°♄
morning max el	9131 Sep 25 02:38	23°♄31'10 45°57'22			9134 Apr 15 03:07	0°♄
	9131 Oct 01 16:41	0°♄	asc. node		9134 May 07 10:24	27°♄13'19
	9131 Oct 29 21:41	0°♄			9134 May 09 17:34	0°♄
asc. node	9131 Nov 20 18:00	24°♄47'16			9134 Jun 03 22:42	0°♄
	9131 Nov 25 05:49	0°♄			9134 Jun 30 10:41	0°♄
	9131 Dec 20 15:16	0°♄	evening max el		9134 Jul 17 04:18	17°♄28'36 46°21'25
	9132 Jan 14 10:56	0°♄			9134 Jul 30 12:37	0°♄
	9132 Feb 07 21:53	0°♄	greatest brilliancy		9134 Aug 25 00:05	17°♄00'20 -4.8m
	9132 Mar 03 03:03	0°♄	desc. node		9134 Aug 27 06:45	17°♄48'27
desc. node	9132 Mar 11 10:54	10°♄22'08	retrograde		9134 Sep 05 00:39	19°♄14'35
morning set	9132 Mar 22 18:12	24°♄29'06	evening set		9134 Sep 21 04:54	14°♄12'14
	9132 Mar 27 04:00	0°♄	min. Earth dist.		9134 Sep 25 19:13	11°♄25'23 0.28718 AU
	9132 Apr 20 02:01	0°♄	inferior conj		9134 Sep 26 12:05	10°♄59'00 -6°31'39
			minimum elong		9134 Sep 26 02:03	11°♄14'42 6°29'37
superior conj	9132 May 02 10:40	15°♄32'16 -1°27'06	morning rise		9134 Sep 30 23:29	8°♄14'42
minimum elong	9132 May 02 07:38	15°♄22'44 1°27'16	direct		9134 Oct 17 19:57	2°♄50'39
max. Earth dist.	9132 May 02 00:47	15°♄01'13 1.71242 AU	greatest brilliancy		9134 Oct 27 16:07	4°♄35'09 -4.7m
	9132 May 13 22:41	0°♄			9134 Dec 02 18:27	0°♄
	9132 Jun 06 20:01	0°♄	morning max el		9134 Dec 05 14:14	2°♄41'01 45°42'42
evening rise	9132 Jun 11 23:39	6°♄27'15	asc. node		9134 Dec 18 06:01	15°♄22'56
	9132 Jun 30 20:00	0°♄			9134 Dec 31 21:51	0°♄
asc. node	9132 Jul 02 07:56	1°♄51'51			9135 Jan 27 07:29	0°♄
	9132 Jul 25 00:15	0°♄			9135 Feb 21 13:30	0°♄
	9132 Aug 18 10:25	0°♄			9135 Mar 18 05:00	0°♄
	9132 Sep 12 05:07	0°♄	desc. node		9135 Apr 08 23:28	26°♄52'31
	9132 Oct 07 13:13	0°♄			9135 Apr 11 11:52	0°♄
desc. node	9132 Oct 22 02:56	16°♄49'05			9135 May 05 13:23	0°♄

	9135 May 29 12:06	0°♄	evening set	9137 Dec 01 14:44	20°♄40'36	
morning set	9135 Jun 07 19:42	11°♄40'53	inferior conj	9137 Dec 05 07:27	18°♄23'14	-7°51'26
	9135 Jun 22 10:28	0°♄	minimum elong	9137 Dec 05 15:18	18°♄10'54	7°50'10
	9135 Jul 16 10:23	0°♄	min. Earth dist.	9137 Dec 05 20:20	18°♄03'00	0.28929 AU
			morning rise	9137 Dec 09 15:46	15°♄42'32	
superior conj	9135 Jul 17 08:14	1°♄08'11 -0°32'06	direct	9137 Dec 26 19:42	10°♄06'02	
minimum elong	9135 Jul 17 15:41	1°♄31'23 0°32'00	greatest brilliancy	9138 Jan 06 16:56	12°♄16'39	-4.8m
max. Earth dist.	9135 Jul 20 09:27	4°♄56'28 1.72020 AU	asc. node	9138 Jan 14 17:32	16°♄12'33	
asc. node	9135 Jul 30 20:02	17°♄56'34		9138 Feb 02 02:43	0°♄	
	9135 Aug 09 12:50	0°♄	morning max el	9138 Feb 14 13:40	11°♄43'04	46°15'30
evening rise	9135 Aug 24 22:54	19°♄06'54		9138 Mar 04 01:36	0°♄	
	9135 Sep 02 18:15	0°♄		9138 Mar 30 12:56	0°♄	
	9135 Sep 27 03:15	0°♄		9138 Apr 24 18:10	0°♄	
	9135 Oct 21 17:14	0°♄	desc. node	9138 May 06 12:01	14°♄15'05	
	9135 Nov 15 14:11	0°♄		9138 May 19 08:46	0°♄	
desc. node	9135 Nov 19 14:26	4°♄47'52		9138 Jun 12 16:01	0°♄	
	9135 Dec 10 20:22	0°♄		9138 Jul 06 20:22	0°♄	
	9136 Jan 05 15:32	0°♄		9138 Jul 31 00:36	0°♄	
	9136 Feb 01 10:45	0°♄	morning set	9138 Aug 19 10:30	24°♄03'15	
evening max el	9136 Feb 20 06:10	19°♄39'06 46°38'47		9138 Aug 24 05:48	0°♄	
	9136 Mar 02 02:31	0°♄	asc. node	9138 Aug 27 08:21	3°♄50'35	
asc. node	9136 Mar 11 14:06	8°♄06'39		9138 Sep 17 12:02	0°♄	
greatest brilliancy	9136 Mar 31 17:22	20°♄15'03 -4.9m				
retrograde	9136 Apr 10 12:12	22°♄03'48	superior conj	9138 Sep 26 03:45	10°♄41'25	1°04'03
evening set	9136 Apr 28 08:57	15°♄56'26	minimum elong	9138 Sep 25 18:12	10°♄11'54	1°03'45
inferior conj	9136 May 01 03:17	14°♄15'23 9°07'16	max. Earth dist.	9138 Sep 27 13:19	12°♄25'03	1.73092 AU
minimum elong	9136 Apr 30 23:54	14°♄20'35 9°06'55		9138 Oct 11 19:10	0°♄	
min. Earth dist.	9136 May 01 01:05	14°♄18'47 0.27124 AU	evening rise	9138 Nov 01 16:20	25°♄43'47	
morning rise	9136 May 03 14:53	12°♄44'29		9138 Nov 05 03:37	0°♄	
direct	9136 May 21 18:59	6°♄26'53		9138 Nov 29 14:10	0°♄	
greatest brilliancy	9136 May 31 09:46	8°♄12'15 -4.9m	desc. node	9138 Dec 17 02:06	21°♄24'01	
desc. node	9136 Jul 01 10:04	29°♄39'03		9138 Dec 24 03:17	0°♄	
	9136 Jul 01 19:09	0°♄		9139 Jan 17 18:59	0°♄	
morning max el	9136 Jul 11 03:31	8°♄59'59 46°44'21		9139 Feb 11 13:50	0°♄	
	9136 Jul 31 03:27	0°♄		9139 Mar 08 15:01	0°♄	
	9136 Aug 26 19:10	0°♄		9139 Apr 03 07:51	0°♄	
	9136 Sep 21 12:14	0°♄	asc. node	9139 Apr 09 01:09	6°♄29'22	
	9136 Oct 16 17:28	0°♄		9139 Apr 30 17:56	0°♄	
asc. node	9136 Oct 22 07:35	6°♄42'32	evening max el	9139 May 04 07:24	3°♄37'56	46°56'42
	9136 Nov 10 14:18	0°♄		9139 Jun 04 12:16	0°♄	
	9136 Dec 05 04:30	0°♄	greatest brilliancy	9139 Jun 13 09:08	4°♄23'21	-4.9m
	9136 Dec 29 13:51	0°♄	retrograde	9139 Jun 23 17:30	6°♄23'27	
morning set	9137 Jan 06 19:18	10°♄09'41	evening set	9139 Jul 09 03:33	1°♄44'03	
	9137 Jan 22 19:49	0°♄		9139 Jul 12 02:40	30°♄	
max. Earth dist.	9137 Feb 11 04:45	24°♄03'53 1.72186 AU	inferior conj	9139 Jul 14 14:44	28°♄27'46	3°47'09
desc. node	9137 Feb 11 00:21	23°♄50'12	minimum elong	9139 Jul 14 22:49	28°♄15'19	3°44'32
			min. Earth dist.	9139 Jul 14 12:00	28°♄32'01	0.27370 AU
superior conj	9137 Feb 14 03:13	27°♄43'08 -0°07'36	morning rise	9139 Jul 20 18:31	24°♄49'53	
minimum elong	9137 Feb 14 01:25	27°♄37'31 0°07'20	desc. node	9139 Jul 29 21:21	21°♄15'30	
behind sun begin	9137 Feb 13 03:14	26°♄28'30	direct	9139 Aug 04 11:02	20°♄38'18	
behind sun end	9137 Feb 14 23:35	28°♄46'32	greatest brilliancy	9139 Aug 14 06:21	22°♄24'25	-4.8m
	9137 Feb 15 23:10	0°♄		9139 Aug 28 13:35	0°♄	
	9137 Mar 12 00:07	0°♄	morning max el	9139 Sep 22 16:02	21°♄13'26	45°58'39
evening rise	9137 Mar 25 16:04	17°♄06'01		9139 Oct 01 12:29	0°♄	
	9137 Apr 04 23:12	0°♄		9139 Oct 29 12:22	0°♄	
	9137 Apr 28 22:00	0°♄	asc. node	9139 Nov 19 20:00	24°♄15'40	
	9137 May 22 22:59	0°♄		9139 Nov 24 18:29	0°♄	
asc. node	9137 Jun 03 22:03	14°♄50'17		9139 Dec 20 02:56	0°♄	
	9137 Jun 16 05:09	0°♄		9140 Jan 13 22:05	0°♄	
	9137 Jul 10 20:07	0°♄		9140 Feb 07 08:44	0°♄	
	9137 Aug 05 01:49	0°♄		9140 Mar 02 13:45	0°♄	
	9137 Aug 31 11:10	0°♄	desc. node	9140 Mar 10 12:49	9°♄54'45	
desc. node	9137 Sep 23 17:51	24°♄20'57	morning set	9140 Mar 20 05:34	22°♄01'12	
evening max el	9137 Sep 26 01:34	26°♄36'32 45°46'18		9140 Mar 26 14:40	0°♄	
	9137 Sep 29 15:10	0°♄		9140 Apr 19 12:41	0°♄	
greatest brilliancy	9137 Nov 03 23:55	24°♄49'47 -4.7m	max. Earth dist.	9140 Apr 29 03:26	12°♄05'10	1.71250 AU
retrograde	9137 Nov 13 21:32	26°♄35'36				

superior conj	9140 Apr 29 21:45	13°♄02'44	-1°26'32	direct	9142 Oct 15 11:23	0°♁39'59	
minimum elong	9140 Apr 29 17:39	12°♄49'51	1°26'40	greatest brilliancy	9142 Oct 25 06:49	2°♁24'16	-4.7m
	9140 May 13 09:22	0°♂			9142 Dec 02 17:05	0°♂	
	9140 Jun 06 06:43	0°♄		morning max el	9142 Dec 03 06:17	0°♂31'38	45°42'25
evening rise	9140 Jun 09 10:47	3°♄58'17		asc. node	9142 Dec 17 07:57	14°♂41'15	
	9140 Jun 30 06:45	0°♂			9142 Dec 31 13:19	0°♄	
asc. node	9140 Jul 01 09:50	1°♂24'20			9143 Jan 26 20:36	0°♄	
	9140 Jul 24 11:07	0°♂			9143 Feb 21 01:35	0°♄	
	9140 Aug 17 21:32	0°♁			9143 Mar 17 16:34	0°♄	
	9140 Sep 11 16:46	0°♂		desc. node	9143 Apr 08 01:32	26°♄23'57	
	9140 Oct 07 01:52	0°♄			9143 Apr 10 23:07	0°♄	
desc. node	9140 Oct 21 05:00	16°♄16'13			9143 May 05 00:25	0°♄	
	9140 Nov 02 10:23	0°♄			9143 May 28 23:00	0°♂	
	9140 Nov 30 18:17	0°♄		morning set	9143 Jun 05 07:25	9°♂13'07	
evening max el	9140 Dec 06 10:18	5°♄32'43	45°54'33		9143 Jun 21 21:16	0°♄	
	9141 Jan 05 20:53	0°♄					
greatest brilliancy	9141 Jan 14 20:22	4°♄09'55	-4.8m	superior conj	9143 Jul 14 21:22	28°♄45'53	-0°35'33
retrograde	9141 Jan 24 11:26	5°♄52'43		minimum elong	9143 Jul 15 05:30	29°♄11'17	0°35'26
evening set	9141 Feb 08 01:42	1°♄44'09			9143 Jul 15 21:07	0°♂	
asc. node	9141 Feb 11 04:53	29°♄57'38		max. Earth dist.	9143 Jul 17 23:21	2°♂36'43	1.71979 AU
	9141 Feb 11 03:17	30°♄		asc. node	9143 Jul 29 21:55	17°♂29'09	
inferior conj	9141 Feb 14 09:23	28°♄01'04	0°48'35		9143 Aug 08 23:33	0°♂	
minimum elong	9141 Feb 14 07:31	28°♄03'57	0°48'08	evening rise	9143 Aug 22 14:39	16°♂53'56	
min. Earth dist.	9141 Feb 14 19:12	27°♄45'53	0.27499 AU		9143 Sep 02 05:00	0°♁	
morning rise	9141 Feb 20 12:36	24°♄22'00			9143 Sep 26 14:07	0°♂	
direct	9141 Mar 07 07:35	20°♄01'31			9143 Oct 21 04:23	0°♄	
greatest brilliancy	9141 Mar 18 00:13	22°♄09'25	-4.9m		9143 Nov 15 01:53	0°♄	
	9141 Mar 31 23:26	0°♄		desc. node	9143 Nov 18 16:25	4°♄18'34	
morning max el	9141 Apr 26 18:19	22°♄46'20	46°55'43		9143 Dec 10 09:00	0°♄	
	9141 May 03 18:48	0°♄			9144 Jan 05 05:51	0°♄	
	9141 May 30 21:34	0°♄			9144 Feb 01 04:35	0°♄	
desc. node	9141 Jun 03 00:20	3°♄35'34		evening max el	9144 Feb 17 20:57	17°♄19'47	46°37'13
	9141 Jun 25 11:08	0°♂			9144 Mar 02 08:13	0°♄	
	9141 Jul 20 09:42	0°♄		asc. node	9144 Mar 10 16:09	6°♄54'09	
	9141 Aug 14 02:10	0°♂		greatest brilliancy	9144 Mar 29 05:30	17°♄48'34	-4.9m
	9141 Sep 07 16:06	0°♂		retrograde	9144 Apr 08 01:19	19°♄37'40	
asc. node	9141 Sep 23 21:02	19°♂49'37		evening set	9144 Apr 25 18:31	13°♄35'21	
	9141 Oct 02 04:14	0°♁		inferior conj	9144 Apr 28 16:03	11°♄49'22	9°03'07
	9141 Oct 26 14:25	0°♂		minimum elong	9144 Apr 28 11:45	11°♄55'59	9°02'41
morning set	9141 Oct 27 19:51	1°♂30'31		min. Earth dist.	9144 Apr 28 13:10	11°♄53'49	0.27123 AU
	9141 Nov 19 22:52	0°♄		morning rise	9144 May 01 05:02	10°♄16'19	
max. Earth dist.	9141 Dec 02 11:02	15°♄25'56	1.73180 AU	direct	9144 May 19 08:27	4°♄01'01	
				greatest brilliancy	9144 May 28 22:00	5°♄45'33	-4.9m
superior conj	9141 Dec 03 09:06	16°♄34'04	1°18'52	desc. node	9144 Jun 30 11:57	28°♄39'36	
minimum elong	9141 Dec 03 16:10	16°♄55'52	1°18'59		9144 Jul 01 22:05	0°♂	
	9141 Dec 14 06:15	0°♄		morning max el	9144 Jul 08 17:10	6°♂37'10	46°45'35
	9142 Jan 07 13:12	0°♄			9144 Jul 30 20:50	0°♄	
evening rise	9142 Jan 09 21:42	2°♄54'32			9144 Aug 26 09:25	0°♂	
desc. node	9142 Jan 13 14:04	7°♄27'28			9144 Sep 21 00:55	0°♂	
	9142 Jan 31 19:39	0°♄			9144 Oct 16 05:15	0°♁	
	9142 Feb 25 01:22	0°♄		asc. node	9144 Oct 21 09:33	6°♁13'24	
	9142 Mar 21 06:59	0°♄			9144 Nov 10 01:32	0°♂	
	9142 Apr 14 15:01	0°♂			9144 Dec 04 15:25	0°♄	
asc. node	9142 May 06 12:27	26°♂41'23			9144 Dec 29 00:37	0°♄	
	9142 May 09 06:16	0°♄		morning set	9145 Jan 04 11:47	7°♄59'09	
	9142 Jun 03 12:54	0°♂			9145 Jan 22 06:33	0°♄	
	9142 Jun 30 04:11	0°♂		max. Earth dist.	9145 Feb 08 17:58	21°♄42'20	1.72229 AU
evening max el	9142 Jul 14 19:50	15°♂14'04	46°23'06	desc. node	9145 Feb 10 02:20	23°♄22'57	
	9142 Jul 30 18:37	0°♁					
greatest brilliancy	9142 Aug 22 15:03	14°♁47'08	-4.8m	superior conj	9145 Feb 11 17:13	25°♄23'54	-0°03'58
desc. node	9142 Aug 26 08:48	16°♁01'24		minimum elong	9145 Feb 11 16:17	25°♄21'01	0°03'45
retrograde	9142 Sep 02 17:15	17°♁03'00		behind sun begin	9145 Feb 10 16:16	24°♄06'18	
evening set	9142 Sep 18 17:48	12°♁04'42		behind sun end	9145 Feb 12 16:18	26°♄35'44	
min. Earth dist.	9142 Sep 23 10:17	9°♁15'02	0.28671 AU		9145 Feb 15 09:56	0°♄	
inferior conj	9142 Sep 24 03:49	8°♁47'41	-6°17'56		9145 Mar 11 10:58	0°♄	
minimum elong	9142 Sep 23 17:43	9°♁03'27	6°15'49	evening rise	9145 Mar 23 04:34	14°♄40'37	
morning rise	9142 Sep 28 18:00	5°♁59'45			9145 Apr 04 10:13	0°♄	

	9145 Apr 28 09:12	0°♐		asc. node	9147 Nov 18 21:55	23°♊42'29	
	9145 May 22 10:26	0°♑			9147 Nov 24 07:33	0°♌	
asc. node	9145 Jun 02 23:54	14°♑20'11			9147 Dec 19 15:00	0°♍	
	9145 Jun 15 16:57	0°♒			9148 Jan 13 09:36	0°♎	
	9145 Jul 10 08:32	0°♓			9148 Feb 06 19:59	0°♏	
	9145 Aug 04 15:23	0°♈			9148 Mar 02 00:50	0°♐	
	9145 Aug 31 03:21	0°♉		desc. node	9148 Mar 09 14:52	9°♐26'41	
desc. node	9145 Sep 22 19:55	23°♌33'09		morning set	9148 Mar 17 17:20	19°♐33'29	
evening max el	9145 Sep 23 16:42	24°♌23'30	45°46'51		9148 Mar 26 01:41	0°♑	
	9145 Sep 29 15:33	0°♒			9148 Apr 18 23:40	0°♓	
greatest brilliancy	9145 Nov 01 15:23	22°♒39'18	-4.7m	max. Earth dist.	9148 Apr 26 09:26	9°♓18'43	1.71259 AU
retrograde	9145 Nov 11 12:39	24°♒25'02					
evening set	9145 Nov 29 08:56	18°♒26'36		superior conj	9148 Apr 27 09:12	10°♓33'23	-1°25'46
inferior conj	9145 Dec 02 23:30	16°♒12'20	-7°59'32	minimum elong	9148 Apr 27 04:05	10°♓17'18	1°25'54
minimum elong	9145 Dec 03 06:49	16°♒00'48	7°58'25		9148 May 12 20:20	0°♐	
min. Earth dist.	9145 Dec 03 11:40	15°♒53'10	0.28958 AU		9148 Jun 05 17:43	0°♑	
morning rise	9145 Dec 07 04:35	13°♒36'06		evening rise	9148 Jun 06 22:12	1°♑29'12	
direct	9145 Dec 24 11:50	7°♒55'03			9148 Jun 29 17:51	0°♒	
greatest brilliancy	9146 Jan 04 08:22	10°♒04'29	-4.8m	asc. node	9148 Jun 30 11:45	0°♒55'43	
asc. node	9146 Jan 13 19:27	14°♒51'40			9148 Jul 23 22:25	0°♓	
	9146 Feb 02 06:11	0°♎			9148 Aug 17 09:09	0°♈	
morning max el	9146 Feb 12 03:53	9°♎25'19	46°13'57		9148 Sep 11 04:57	0°♉	
	9146 Mar 03 18:37	0°♏			9148 Oct 06 15:07	0°♐	
	9146 Mar 30 02:59	0°♑		desc. node	9148 Oct 20 06:58	15°♒41'18	
	9146 Apr 24 06:54	0°♑			9148 Nov 02 01:53	0°♎	
desc. node	9146 May 05 13:59	13°♑43'15			9148 Nov 30 15:42	0°♏	
	9146 May 18 20:50	0°♓		evening max el	9148 Dec 04 00:18	3°♏15'33	45°53'35
	9146 Jun 12 03:39	0°♐			9149 Jan 07 21:28	0°♑	
	9146 Jul 06 07:43	0°♑		greatest brilliancy	9149 Jan 12 09:48	1°♑49'54	-4.8m
	9146 Jul 30 11:42	0°♒		retrograde	9149 Jan 22 01:28	3°♑33'07	
morning set	9146 Aug 17 01:44	21°♒47'56			9149 Feb 04 11:41	30°♒	
	9146 Aug 23 16:43	0°♓		evening set	9149 Feb 05 16:04	29°♏23'07	
asc. node	9146 Aug 26 10:24	3°♓23'12		asc. node	9149 Feb 10 07:01	26°♏42'34	
	9146 Sep 16 22:50	0°♈		inferior conj	9149 Feb 11 23:19	25°♏40'39	0°25'35
				minimum elong	9149 Feb 11 22:19	25°♏42'10	0°25'27
superior conj	9146 Sep 23 20:29	8°♈31'34	1°01'45	min. Earth dist.	9149 Feb 12 09:55	25°♏24'17	0.27539 AU
minimum elong	9146 Sep 23 10:52	8°♈01'52	1°01'27	morning rise	9149 Feb 18 03:52	22°♏00'02	
max. Earth dist.	9146 Sep 25 07:15	10°♈18'55	1.73066 AU	direct	9149 Mar 04 22:09	17°♏40'15	
	9146 Oct 11 05:58	0°♉		greatest brilliancy	9149 Mar 15 15:49	19°♏49'37	-4.9m
evening rise	9146 Oct 30 09:31	23°♉35'34			9149 Apr 01 18:08	0°♑	
	9146 Nov 04 14:30	0°♒		morning max el	9149 Apr 24 09:30	20°♑27'08	46°55'10
	9146 Nov 29 01:14	0°♎			9149 May 03 14:43	0°♑	
desc. node	9146 Dec 16 03:59	20°♎55'20			9149 May 30 12:55	0°♓	
	9146 Dec 23 14:40	0°♏		desc. node	9149 Jun 02 02:12	2°♓57'19	
	9147 Jan 17 06:50	0°♑			9149 Jun 25 00:33	0°♐	
	9147 Feb 11 02:23	0°♑			9149 Jul 19 22:05	0°♑	
	9147 Mar 08 04:44	0°♓			9149 Aug 13 13:56	0°♒	
	9147 Apr 02 23:48	0°♐			9149 Sep 07 03:27	0°♓	
asc. node	9147 Apr 08 03:09	5°♐48'09		asc. node	9149 Sep 22 22:58	19°♓21'22	
	9147 Apr 30 15:38	0°♑			9149 Oct 01 15:18	0°♈	
evening max el	9147 May 01 20:04	1°♑12'00	46°56'52	morning set	9149 Oct 25 12:53	29°♈21'47	
	9147 Jun 06 08:52	0°♒			9149 Oct 26 01:19	0°♉	
greatest brilliancy	9147 Jun 11 00:50	2°♒02'38	-4.9m		9149 Nov 19 09:40	0°♐	
retrograde	9147 Jun 21 06:49	4°♒01'05		max. Earth dist.	9149 Nov 30 07:50	13°♒28'38	1.73196 AU
	9147 Jul 05 13:17	30°♒					
evening set	9147 Jul 06 19:55	29°♑18'14		superior conj	9149 Dec 01 02:06	14°♒25'00	1°20'07
inferior conj	9147 Jul 12 04:23	26°♑06'05	4°08'21	minimum elong	9149 Dec 01 08:37	14°♒45'08	1°20'16
minimum elong	9147 Jul 12 13:03	25°♑52'41	4°05'35		9149 Dec 13 17:05	0°♎	
min. Earth dist.	9147 Jul 12 02:53	26°♑08'24	0.27349 AU		9150 Jan 07 00:09	0°♏	
morning rise	9147 Jul 18 06:31	22°♑30'11		evening rise	9150 Jan 07 13:07	0°♏40'05	
desc. node	9147 Jul 28 23:26	18°♑35'56		desc. node	9150 Jan 12 16:01	6°♏59'35	
direct	9147 Aug 01 23:47	18°♑16'38			9150 Jan 31 06:48	0°♑	
greatest brilliancy	9147 Aug 11 20:38	20°♑03'51	-4.8m		9150 Feb 24 12:47	0°♑	
	9147 Aug 29 10:11	0°♒			9150 Mar 20 18:45	0°♓	
morning max el	9147 Sep 20 05:30	18°♒53'52	46°00'04		9150 Apr 14 03:16	0°♐	
	9147 Oct 01 08:22	0°♓		asc. node	9150 May 05 14:21	26°♐08'02	
	9147 Oct 29 03:25	0°♈			9150 May 08 19:18	0°♑	

	9150 Jun 03 03:27	0°♈			9152 Dec 28 11:24	0°♊	
	9150 Jun 29 22:17	0°♍		morning set	9153 Jan 02 04:04	5°♊47'52	
evening max el	9150 Jul 12 11:57	13°♍00'27 46°24'41			9153 Jan 21 17:20	0°♋	
	9150 Jul 31 03:18	0°♌		max. Earth dist.	9153 Feb 06 06:14	19°♋17'41 1.72274 AU	
greatest brilliancy	9150 Aug 20 05:59	12°♌33'18 -4.8m					
desc. node	9150 Aug 25 10:48	14°♌09'35		superior conj	9153 Feb 09 06:59	23°♋03'53 -0°00'16	
retrograde	9150 Aug 31 09:49	14°♌50'24		minimum elong	9153 Feb 09 06:57	23°♋03'47 0°00'06	
evening set	9150 Sep 16 06:49	9°♌56'13		behind sun begin	9153 Feb 08 06:59	21°♋49'16	
min. Earth dist.	9150 Sep 21 01:11	7°♌03'53 0.28628 AU		behind sun end	9153 Feb 10 06:55	24°♋18'19	
inferior conj	9150 Sep 21 19:29	6°♌35'21 -6°03'33		desc. node	9153 Feb 09 04:22	22°♋55'43	
minimum elong	9150 Sep 21 09:24	6°♌51'06 6°01'22			9153 Feb 14 20:45	0°♋	
morning rise	9150 Sep 26 12:26	3°♌43'44			9153 Mar 10 21:52	0°♌	
	9150 Oct 04 09:06	30°♌		evening rise	9153 Mar 20 16:50	12°♌14'30	
direct	9150 Oct 13 03:13	28°♌28'26			9153 Apr 03 21:14	0°♌	
	9150 Oct 22 06:44	0°♌			9153 Apr 27 20:24	0°♌	
greatest brilliancy	9150 Oct 22 21:07	0°♌11'51 -4.7m			9153 May 21 21:52	0°♌	
morning max el	9150 Nov 30 22:15	28°♌20'59 45°42'00		asc. node	9153 Jun 02 01:53	13°♌50'31	
	9150 Dec 02 15:15	0°♌			9153 Jun 15 04:45	0°♌	
asc. node	9150 Dec 16 09:53	13°♌59'02			9153 Jul 09 20:55	0°♌	
	9150 Dec 31 04:55	0°♌			9153 Aug 04 04:58	0°♌	
	9151 Jan 26 09:57	0°♌			9153 Aug 30 19:37	0°♌	
	9151 Feb 20 13:54	0°♌		evening max el	9153 Sep 21 07:00	22°♌09'09 45°47'32	
	9151 Mar 17 04:19	0°♌		desc. node	9153 Sep 21 21:50	22°♌44'56	
desc. node	9151 Apr 07 03:21	25°♌53'57			9153 Sep 29 16:53	0°♌	
	9151 Apr 10 10:34	0°♌		greatest brilliancy	9153 Oct 30 06:49	20°♌29'45 -4.7m	
	9151 May 04 11:39	0°♌		retrograde	9153 Nov 09 03:58	22°♌15'50	
	9151 May 28 10:04	0°♌		evening set	9153 Nov 27 03:02	16°♌14'00	
morning set	9151 Jun 02 19:14	6°♌45'05		inferior conj	9153 Nov 30 15:43	14°♌02'35 -8°06'42	
	9151 Jun 21 08:12	0°♌		minimum elong	9153 Nov 30 22:28	13°♌51'57 8°05'44	
				min. Earth dist.	9153 Dec 01 03:14	13°♌44'27 0.28992 AU	
superior conj	9151 Jul 12 10:42	26°♌23'48 -0°38'55		morning rise	9153 Dec 04 17:44	11°♌30'45	
minimum elong	9151 Jul 12 19:29	26°♌51'13 0°38'47		direct	9153 Dec 22 03:46	5°♌45'01	
	9151 Jul 15 07:58	0°♌		greatest brilliancy	9154 Jan 02 00:29	7°♌54'00 -4.8m	
max. Earth dist.	9151 Jul 15 15:31	0°♌23'33 1.71933 AU		asc. node	9154 Jan 12 21:33	13°♌34'08	
asc. node	9151 Jul 28 23:58	17°♌01'56			9154 Feb 02 07:56	0°♌	
	9151 Aug 08 10:22	0°♌		morning max el	9154 Feb 09 18:13	7°♌08'09 46°12'17	
evening rise	9151 Aug 20 06:35	14°♌41'16			9154 Mar 03 11:16	0°♌	
	9151 Sep 01 15:50	0°♌			9154 Mar 29 16:52	0°♌	
	9151 Sep 26 01:07	0°♌			9154 Apr 23 19:31	0°♌	
	9151 Oct 20 15:44	0°♌		desc. node	9154 May 04 15:54	13°♌11'42	
	9151 Nov 14 13:49	0°♌			9154 May 18 08:44	0°♌	
desc. node	9151 Nov 17 18:16	3°♌48'10			9154 Jun 11 15:07	0°♌	
	9151 Dec 09 21:56	0°♌			9154 Jul 05 18:52	0°♌	
	9152 Jan 04 20:33	0°♌			9154 Jul 29 22:35	0°♌	
	9152 Jan 31 23:06	0°♌		morning set	9154 Aug 14 16:58	19°♌33'08	
evening max el	9152 Feb 15 11:04	14°♌58'15 46°35'39			9154 Aug 23 03:25	0°♌	
	9152 Mar 02 16:31	0°♌		asc. node	9154 Aug 25 12:18	2°♌56'03	
asc. node	9152 Mar 09 18:08	5°♌38'42			9154 Sep 16 09:25	0°♌	
greatest brilliancy	9152 Mar 26 18:09	15°♌22'15 -4.9m					
retrograde	9152 Apr 05 13:55	17°♌10'59		superior conj	9154 Sep 21 13:25	6°♌23'03 0°59'24	
evening set	9152 Apr 23 03:39	11°♌14'35		minimum elong	9154 Sep 21 03:48	5°♌53'21 0°59'04	
inferior conj	9152 Apr 26 04:47	9°♌23'00 8°57'58		max. Earth dist.	9154 Sep 22 23:54	8°♌09'33 1.73037 AU	
minimum elong	9152 Apr 25 23:35	9°♌31'01 8°57'26			9154 Oct 10 16:30	0°♌	
min. Earth dist.	9152 Apr 26 01:31	9°♌28'02 0.27118 AU		evening rise	9154 Oct 28 03:05	21°♌29'26	
morning rise	9152 Apr 28 19:34	7°♌47'05			9154 Nov 04 01:06	0°♌	
direct	9152 May 16 21:28	1°♌34'49			9154 Nov 28 12:01	0°♌	
greatest brilliancy	9152 May 26 10:40	3°♌18'50 -4.9m		desc. node	9154 Dec 15 06:03	20°♌28'05	
desc. node	9152 Jun 29 13:57	27°♌41'33			9154 Dec 23 01:47	0°♌	
	9152 Jul 01 23:39	0°♌			9155 Jan 16 18:29	0°♌	
morning max el	9152 Jul 06 05:53	4°♌11'40 46°46'56			9155 Feb 10 14:50	0°♌	
	9152 Jul 30 13:52	0°♌			9155 Mar 07 18:27	0°♌	
	9152 Aug 25 23:28	0°♌			9155 Apr 02 15:54	0°♌	
	9152 Sep 20 13:28	0°♌		asc. node	9155 Apr 07 05:03	5°♌06'31	
	9152 Oct 15 16:56	0°♌		evening max el	9155 Apr 29 08:38	28°♌46'11 46°57'11	
asc. node	9152 Oct 20 11:25	5°♌44'15			9155 Apr 30 14:02	0°♌	
	9152 Nov 09 12:42	0°♌		greatest brilliancy	9155 Jun 08 15:57	29°♌41'39 -4.9m	
	9152 Dec 04 02:19	0°♌			9155 Jun 09 12:37	0°♌	

retrograde	9155 Jun 18 20:28	1°♋39'20		morning set	9157 Oct 23 05:59	27°♎14'25	
	9155 Jun 27 21:02	30°♊			9157 Oct 25 11:48	0°♎	
evening set	9155 Jul 04 12:17	26°♊52'31			9157 Nov 18 20:05	0°♊	
inferior conj	9155 Jul 09 17:56	23°♊44'45	4°29'05	max. Earth dist.	9157 Nov 28 04:22	11°♊31'43	1.73207 AU
minimum elong	9155 Jul 10 03:09	23°♊30'32	4°26'14				
min. Earth dist.	9155 Jul 09 17:23	23°♊45'35	0.27327 AU	superior conj	9157 Nov 28 19:23	12°♊18'03	1°21'16
morning rise	9155 Jul 15 18:13	20°♊11'28		minimum elong	9157 Nov 29 01:21	12°♊36'27	1°21'26
desc. node	9155 Jul 28 01:28	16°♊02'31			9157 Dec 13 03:31	0°♊	
direct	9155 Jul 30 12:31	15°♊55'16		evening rise	9158 Jan 05 04:57	28°♊28'12	
greatest brilliancy	9155 Aug 09 10:36	17°♊43'41	-4.8m		9158 Jan 06 10:41	0°♊	
	9155 Aug 30 01:07	0°♋		desc. node	9158 Jan 11 18:01	6°♊33'09	
morning max el	9155 Sep 17 19:48	16°♋37'07	46°01'38		9158 Jan 30 17:32	0°♋	
	9155 Oct 01 03:17	0°♋			9158 Feb 23 23:47	0°♋	
	9155 Oct 28 17:53	0°♎			9158 Mar 20 06:07	0°♋	
asc. node	9155 Nov 17 23:51	23°♎10'43			9158 Apr 13 15:11	0°♎	
	9155 Nov 23 20:07	0°♎		asc. node	9158 May 04 16:20	25°♎35'46	
	9155 Dec 19 02:36	0°♊			9158 May 08 08:08	0°♊	
	9156 Jan 12 20:42	0°♊			9158 Jun 02 17:56	0°♋	
	9156 Feb 06 06:49	0°♊			9158 Jun 29 16:38	0°♋	
	9156 Mar 01 11:36	0°♋		evening max el	9158 Jul 10 04:13	10°♋47'34	46°26'15
desc. node	9156 Mar 08 16:43	8°♋59'00			9158 Jul 31 14:51	0°♎	
morning set	9156 Mar 15 05:08	17°♋06'54		greatest brilliancy	9158 Aug 17 21:36	10°♎20'32	-4.8m
	9156 Mar 25 12:26	0°♋		desc. node	9158 Aug 24 12:42	12°♎13'47	
	9156 Apr 18 10:25	0°♋		retrograde	9158 Aug 29 02:03	12°♎37'48	
max. Earth dist.	9156 Apr 23 16:45	6°♋37'02	1.71273 AU	evening set	9158 Sep 13 19:52	7°♎47'58	
				min. Earth dist.	9158 Sep 18 16:09	4°♎52'47	0.28576 AU
superior conj	9156 Apr 24 20:12	8°♋03'19	-1°24'50	inferior conj	9158 Sep 19 11:01	4°♎23'22	-5°48'40
minimum elong	9156 Apr 24 14:08	7°♋44'13	1°24'55	minimum elong	9158 Sep 19 00:59	4°♎39'01	5°46'24
	9156 May 12 07:05	0°♎		morning rise	9158 Sep 24 06:40	1°♎27'57	
evening rise	9156 Jun 04 09:06	28°♎59'14			9158 Sep 26 23:16	30°♎	
	9156 Jun 05 04:30	0°♎		direct	9158 Oct 10 18:59	26°♎17'28	
	9156 Jun 29 04:42	0°♋		greatest brilliancy	9158 Oct 20 11:05	27°♎59'38	-4.7m
asc. node	9156 Jun 29 13:47	0°♋28'17			9158 Oct 25 09:23	0°♎	
	9156 Jul 23 09:25	0°♋		morning max el	9158 Nov 28 13:19	26°♎09'16	45°41'42
	9156 Aug 16 20:28	0°♎			9158 Dec 02 12:08	0°♎	
	9156 Sep 10 16:50	0°♎		asc. node	9158 Dec 15 11:57	13°♎18'48	
	9156 Oct 06 04:05	0°♊			9158 Dec 30 19:51	0°♊	
desc. node	9156 Oct 19 08:53	15°♊07'17			9159 Jan 25 22:46	0°♊	
	9156 Nov 01 17:08	0°♊			9159 Feb 20 01:44	0°♊	
	9156 Nov 30 13:18	0°♊			9159 Mar 16 15:38	0°♋	
evening max el	9156 Dec 01 15:27	1°♊02'54	45°52'45	desc. node	9159 Apr 06 05:19	25°♋25'52	
greatest brilliancy	9157 Jan 09 23:14	29°♊32'21	-4.8m		9159 Apr 09 21:33	0°♋	
	9157 Jan 11 09:57	0°♋			9159 May 03 22:27	0°♋	
retrograde	9157 Jan 19 15:54	1°♋15'59			9159 May 27 20:46	0°♎	
	9157 Jan 27 14:02	30°♋		morning set	9159 May 31 07:01	4°♎17'56	
evening set	9157 Feb 03 07:01	27°♋04'36			9159 Jun 20 18:52	0°♊	
asc. node	9157 Feb 09 08:53	23°♋29'54					
inferior conj	9157 Feb 09 13:33	23°♋22'43	0°02'57	superior conj	9159 Jul 09 23:40	24°♊01'14	-0°42'15
minimum elong	9157 Feb 09 13:25	23°♋22'54	0°03'06	minimum elong	9159 Jul 10 09:02	24°♊30'29	0°42'07
transit middle	9157 Feb 09 13:25	23°♋22'54	0°03'06	max. Earth dist.	9159 Jul 13 06:29	28°♊07'19	1.71892 AU
transit begin	9157 Feb 09 09:26	23°♋29'04			9159 Jul 14 18:35	0°♋	
transit end	9157 Feb 09 17:25	23°♋16'45		asc. node	9159 Jul 28 01:51	16°♋34'52	
min. Earth dist.	9157 Feb 10 00:33	23°♋05'44	0.27584 AU		9159 Aug 07 20:57	0°♋	
morning rise	9157 Feb 15 19:14	19°♋40'47		evening rise	9159 Aug 17 21:51	12°♋27'04	
direct	9157 Mar 02 13:26	15°♋21'43			9159 Sep 01 02:27	0°♎	
greatest brilliancy	9157 Mar 13 07:01	17°♋31'29	-4.9m		9159 Sep 25 11:53	0°♎	
	9157 Apr 02 07:17	0°♋			9159 Oct 20 02:50	0°♊	
morning max el	9157 Apr 22 01:01	18°♋10'03	46°54'09		9159 Nov 14 01:32	0°♊	
	9157 May 03 09:40	0°♋		desc. node	9159 Nov 16 20:21	3°♊19'13	
	9157 May 30 03:47	0°♋			9159 Dec 09 10:39	0°♊	
desc. node	9157 Jun 01 04:13	2°♋20'36			9160 Jan 04 11:07	0°♋	
	9157 Jun 24 13:39	0°♎			9160 Jan 31 17:42	0°♋	
	9157 Jul 19 10:11	0°♊		evening max el	9160 Feb 13 00:31	12°♋36'16	46°34'10
	9157 Aug 13 01:23	0°♋			9160 Mar 03 03:03	0°♋	
	9157 Sep 06 14:27	0°♋		asc. node	9160 Mar 08 20:04	4°♋22'22	
asc. node	9157 Sep 22 00:49	18°♋54'01		greatest brilliancy	9160 Mar 24 07:33	12°♋58'30	-4.9m
	9157 Oct 01 01:59	0°♎		retrograde	9160 Apr 03 02:25	14°♋46'26	

evening set	9160 Apr 20 12:45	8°♄56'22		superior conj	9162 Sep 19 06:12	4°♁14'01	0°56'57
inferior conj	9160 Apr 23 17:49	6°♄58'49	8°51'53	minimum elong	9162 Sep 18 20:38	3°♁44'27	0°56'34
minimum elong	9160 Apr 23 11:44	7°♄08'12	8°51'12	max. Earth dist.	9162 Sep 20 16:33	6°♁00'07	1.73016 AU
min. Earth dist.	9160 Apr 23 14:29	7°♄03'58	0.27114 AU		9162 Oct 10 03:06	0°♌	
morning rise	9160 Apr 26 10:45	5°♄19'29		evening rise	9162 Oct 25 20:27	19°♌22'28	
	9160 May 08 01:37	30°♋♂			9162 Nov 03 11:47	0°♌	
direct	9160 May 14 10:10	29°♂10'35			9162 Nov 27 22:54	0°♄	
	9160 May 20 22:45	0°♄		desc. node	9162 Dec 14 07:58	20°♄00'02	
greatest brilliancy	9160 May 24 00:09	0°♄54'47	-4.9m		9162 Dec 22 13:01	0°♌	
desc. node	9160 Jun 28 16:01	26°♄46'04			9163 Jan 16 06:16	0°♋	
	9160 Jul 01 23:31	0°♈			9163 Feb 10 03:25	0°♂	
morning max el	9160 Jul 03 17:59	1°♈45'34	46°48'02		9163 Mar 07 08:21	0°♄	
	9160 Jul 30 06:17	0°♄			9163 Apr 02 08:20	0°♈	
	9160 Aug 25 13:12	0°♈		asc. node	9163 Apr 06 07:07	4°♈24'41	
	9160 Sep 20 01:49	0°♎		evening max el	9163 Apr 26 22:01	26°♈22'25	46°57'30
	9160 Oct 15 04:26	0°♁			9163 Apr 30 13:28	0°♄	
asc. node	9160 Oct 19 13:26	5°♁15'58		greatest brilliancy	9163 Jun 06 06:34	27°♄20'01	-4.9m
	9160 Nov 08 23:42	0°♌		retrograde	9163 Jun 16 10:45	29°♄17'37	
	9160 Dec 03 13:02	0°♌		evening set	9163 Jul 02 04:51	24°♄26'32	
	9160 Dec 27 21:59	0°♄		inferior conj	9163 Jul 07 07:30	21°♄23'16	4°49'25
morning set	9160 Dec 30 20:19	3°♄37'10		minimum elong	9163 Jul 07 17:12	21°♄08'21	4°46'29
	9161 Jan 21 03:54	0°♌		min. Earth dist.	9163 Jul 07 07:31	21°♄23'14	0.27306 AU
max. Earth dist.	9161 Feb 03 20:30	17°♌00'00	1.72319 AU	morning rise	9163 Jul 13 05:47	17°♄53'07	
				desc. node	9163 Jul 27 03:18	13°♄34'54	
superior conj	9161 Feb 06 21:00	20°♌45'17	0°03'23	direct	9163 Jul 28 01:43	13°♄33'51	
minimum elong	9161 Feb 06 21:51	20°♌47'58	0°03'33	greatest brilliancy	9163 Aug 06 23:57	15°♄22'51	-4.8m
behind sun begin	9161 Feb 05 21:54	19°♌33'31			9163 Aug 30 12:13	0°♈	
behind sun end	9161 Feb 07 21:48	22°♌02'25		morning max el	9163 Sep 15 10:53	14°♈22'13	46°03'06
desc. node	9161 Feb 08 06:11	22°♌28'27			9163 Sep 30 21:45	0°♎	
	9161 Feb 14 07:21	0°♋			9163 Oct 28 08:17	0°♁	
	9161 Mar 10 08:33	0°♂		asc. node	9163 Nov 17 01:52	22°♁38'50	
evening rise	9161 Mar 18 05:32	9°♂50'31			9163 Nov 23 08:48	0°♌	
	9161 Apr 03 08:03	0°♄			9163 Dec 18 14:24	0°♌	
	9161 Apr 27 07:23	0°♈			9164 Jan 12 08:01	0°♄	
	9161 May 21 09:04	0°♄			9164 Feb 05 17:53	0°♌	
asc. node	9161 Jun 01 03:56	13°♄21'46			9164 Feb 29 22:32	0°♋	
	9161 Jun 14 16:19	0°♈		desc. node	9164 Mar 07 18:39	8°♋30'59	
	9161 Jul 09 09:10	0°♎		morning set	9164 Mar 12 17:01	14°♋40'05	
	9161 Aug 03 18:32	0°♁			9164 Mar 24 23:20	0°♂	
	9161 Aug 30 12:10	0°♌			9164 Apr 17 21:20	0°♄	
evening max el	9161 Sep 18 20:59	19°♌53'52	45°48'13	max. Earth dist.	9164 Apr 21 02:26	4°♄02'16	1.71288 AU
desc. node	9161 Sep 20 23:49	21°♌55'55					
	9161 Sep 29 19:47	0°♌		superior conj	9164 Apr 22 07:13	5°♄32'43	-1°23'44
greatest brilliancy	9161 Oct 27 21:53	18°♌19'22	-4.7m	minimum elong	9164 Apr 22 00:13	5°♄10'45	1°23'47
retrograde	9161 Nov 06 19:34	20°♌06'20			9164 May 11 18:01	0°♈	
evening set	9161 Nov 24 20:50	14°♌01'12		evening rise	9164 Jun 01 20:05	26°♈28'50	
inferior conj	9161 Nov 28 07:48	11°♌52'29	-8°13'13		9164 Jun 04 15:29	0°♄	
minimum elong	9161 Nov 28 13:56	11°♌42'51	8°12'23	asc. node	9164 Jun 28 15:40	29°♄59'40	
min. Earth dist.	9161 Nov 28 18:36	11°♌35'30	0.29021 AU		9164 Jun 28 15:46	0°♈	
morning rise	9161 Dec 02 06:53	9°♌25'06			9164 Jul 22 20:39	0°♎	
direct	9161 Dec 19 19:24	3°♌34'34			9164 Aug 16 08:00	0°♁	
greatest brilliancy	9161 Dec 30 16:36	5°♌43'34	-4.8m		9164 Sep 10 04:57	0°♌	
asc. node	9162 Jan 11 23:28	12°♌18'35			9164 Oct 05 17:22	0°♌	
	9162 Feb 02 08:19	0°♄		desc. node	9164 Oct 18 10:57	14°♌32'40	
morning max el	9162 Feb 07 09:06	4°♄52'40	46°10'46		9164 Nov 01 08:58	0°♄	
	9162 Mar 03 03:29	0°♌		evening max el	9164 Nov 29 06:59	28°♄50'07	45°51'41
	9162 Mar 29 06:31	0°♋			9164 Nov 30 12:18	0°♌	
	9162 Apr 23 07:58	0°♂		greatest brilliancy	9165 Jan 07 12:55	27°♌13'41	-4.8m
desc. node	9162 May 03 17:53	12°♂40'43		retrograde	9165 Jan 17 05:58	28°♌57'00	
	9162 May 17 20:31	0°♄		evening set	9165 Jan 31 22:00	24°♌44'21	
	9162 Jun 11 02:28	0°♈		inferior conj	9165 Feb 07 03:36	21°♌03'11	-0°19'46
	9162 Jul 05 05:54	0°♄		minimum elong	9165 Feb 07 04:21	21°♌02'02	0°19'21
	9162 Jul 29 09:23	0°♈		min. Earth dist.	9165 Feb 07 15:09	20°♌45'21	0.27626 AU
morning set	9162 Aug 12 08:17	17°♈18'40		asc. node	9165 Feb 08 10:50	20°♌14'58	
	9162 Aug 22 14:04	0°♎		morning rise	9165 Feb 13 10:11	17°♌19'58	
asc. node	9162 Aug 24 14:10	2°♎28'54		direct	9165 Feb 28 04:33	13°♌01'45	
	9162 Sep 15 20:00	0°♁		greatest brilliancy	9165 Mar 10 21:47	15°♌11'20	-4.9m

	9165 Apr 02 17:36	0° H			9167 Oct 19 14:23	0° X	
morning max el	9165 Apr 19 15:49	15° H 50'12	46°53'11		9167 Nov 13 13:40	0° Z	
	9165 May 03 04:28	0° Y		desc. node	9167 Nov 15 22:19	2° Z 48'41	
	9165 May 29 18:45	0° B			9167 Dec 08 23:51	0° \approx	
desc. node	9165 May 31 06:13	1° B 43'18			9168 Jan 04 02:16	0° H	
	9165 Jun 24 02:54	0° II			9168 Jan 31 13:20	0° Y	
	9165 Jul 18 22:30	0° G		evening max el	9168 Feb 10 13:03	10° Y 10'43	46°32'28
	9165 Aug 12 13:06	0° Ω			9168 Mar 03 18:10	0° B	
	9165 Sep 06 01:44	0° M		asc. node	9168 Mar 07 22:07	3° B 01'56	
asc. node	9165 Sep 21 02:51	18° M 26'22		greatest brilliancy	9168 Mar 21 20:49	10° B 32'26	-4.9m
	9165 Sep 30 12:58	0° L		retrograde	9168 Mar 31 14:35	12° B 19'42	
morning set	9165 Oct 20 23:16	25° L 06'41		evening set	9168 Apr 17 21:18	6° B 36'05	
	9165 Oct 24 22:36	0° M		inferior conj	9168 Apr 21 06:37	4° B 32'21	8°44'42
	9165 Nov 18 06:48	0° X		minimum elong	9168 Apr 20 23:43	4° B 42'59	8°43'50
max. Earth dist.	9165 Nov 26 00:17	9° X 32'00	1.73220 AU	min. Earth dist.	9168 Apr 21 03:29	4° B 37'10	0.27114 AU
				morning rise	9168 Apr 24 02:07	2° B 49'04	
superior conj	9165 Nov 26 12:48	10° X 10'35	1°22'17		9168 Apr 29 04:08	30° R Y	
minimum elong	9165 Nov 26 18:10	10° X 27'08	1°22'28	direct	9168 May 11 22:18	26° Y 43'45	
	9165 Dec 12 14:18	0° Z		greatest brilliancy	9168 May 21 13:57	28° Y 28'58	-4.9m
evening rise	9166 Jan 02 20:43	26° Z 14'56			9168 May 25 07:36	0° B	
	9166 Jan 05 21:38	0° \approx		desc. node	9168 Jun 27 17:53	25° B 49'40	
desc. node	9166 Jan 10 19:54	6° \approx 05'01		morning max el	9168 Jul 01 06:16	29° B 18'09	46°49'22
	9166 Jan 30 04:43	0° H			9168 Jul 01 22:58	0° II	
	9166 Feb 23 11:14	0° Y			9168 Jul 29 22:52	0° G	
	9166 Mar 19 17:57	0° B			9168 Aug 25 03:10	0° Ω	
	9166 Apr 13 03:34	0° II			9168 Sep 19 14:25	0° M	
asc. node	9166 May 03 18:21	25° II 02'16			9168 Oct 14 16:14	0° L	
	9166 May 07 21:26	0° G		asc. node	9168 Oct 18 15:22	4° L 46'31	
	9166 Jun 02 08:59	0° Ω			9168 Nov 08 11:01	0° M	
	9166 Jun 29 11:54	0° M			9168 Dec 03 00:05	0° X	
evening max el	9166 Jul 07 20:00	8° M 32'13	46°27'45		9168 Dec 27 08:54	0° Z	
	9166 Aug 01 07:04	0° L		morning set	9168 Dec 28 12:57	1° Z 26'36	
greatest brilliancy	9166 Aug 15 13:56	8° L 07'23	-4.8m		9169 Jan 20 14:46	0° \approx	
desc. node	9166 Aug 23 14:46	10° L 12'33		max. Earth dist.	9169 Feb 01 13:39	14° \approx 50'19	1.72364 AU
retrograde	9166 Aug 26 17:51	10° L 23'57					
evening set	9166 Sep 11 09:04	5° L 38'25		superior conj	9169 Feb 04 11:21	18° \approx 26'52	0°06'59
min. Earth dist.	9166 Sep 16 07:33	2° L 39'58	0.28523 AU	minimum elong	9169 Feb 04 13:04	18° \approx 32'11	0°07'06
inferior conj	9166 Sep 17 02:33	2° L 10'17	-5°33'07	behind sun begin	9169 Feb 03 14:58	17° \approx 23'30	
minimum elong	9166 Sep 16 16:40	2° L 25'44	5°30'49	behind sun end	9169 Feb 05 11:10	19° \approx 40'52	
	9166 Sep 20 15:20	30° R M		desc. node	9169 Feb 07 08:11	22° \approx 00'48	
morning rise	9166 Sep 22 00:52	29° M 10'59			9169 Feb 13 18:16	0° H	
direct	9166 Oct 08 10:24	24° M 05'27			9169 Mar 09 19:35	0° Y	
greatest brilliancy	9166 Oct 18 01:23	25° M 46'31	-4.7m	evening rise	9169 Mar 15 18:28	7° Y 26'21	
	9166 Oct 27 05:40	0° L			9169 Apr 02 19:14	0° B	
morning max el	9166 Nov 26 03:31	23° L 54'22	45°41'30		9169 Apr 26 18:46	0° II	
	9166 Dec 02 08:42	0° M			9169 May 20 20:42	0° G	
asc. node	9166 Dec 14 13:50	12° M 37'31		asc. node	9169 May 31 05:46	12° G 51'03	
	9166 Dec 30 10:58	0° X			9169 Jun 14 04:20	0° Ω	
	9167 Jan 25 11:55	0° Z			9169 Jul 08 21:52	0° M	
	9167 Feb 19 13:58	0° \approx			9169 Aug 03 08:35	0° L	
	9167 Mar 16 03:23	0° H			9169 Aug 30 05:23	0° M	
desc. node	9167 Apr 05 07:22	24° H 56'30		evening max el	9169 Sep 16 11:33	17° M 39'17	45°49'05
	9167 Apr 09 09:02	0° Y		desc. node	9169 Sep 20 01:53	21° M 05'27	
	9167 May 03 09:44	0° B			9169 Sep 30 00:48	0° X	
	9167 May 27 07:55	0° II		greatest brilliancy	9169 Oct 25 12:25	16° X 07'52	-4.7m
morning set	9167 May 28 18:26	1° II 48'17		retrograde	9169 Nov 04 11:42	17° X 56'28	
	9167 Jun 20 05:55	0° G		evening set	9169 Nov 22 14:31	11° X 48'08	
				inferior conj	9169 Nov 25 23:58	9° X 41'53	-8°19'03
superior conj	9167 Jul 07 12:31	21° G 37'08	-0°45'32	minimum elong	9169 Nov 26 05:28	9° X 33'15	8°18'20
minimum elong	9167 Jul 07 22:24	22° G 08'00	0°45'22	min. Earth dist.	9169 Nov 26 09:45	9° X 26'31	0.29049 AU
max. Earth dist.	9167 Jul 10 20:04	25° G 45'34	1.71846 AU	morning rise	9169 Nov 29 20:17	7° X 18'52	
	9167 Jul 14 05:35	0° Ω		direct	9169 Dec 17 11:25	1° X 23'39	
asc. node	9167 Jul 27 03:45	16° Ω 06'38		greatest brilliancy	9169 Dec 28 08:30	3° X 32'34	-4.8m
	9167 Aug 07 07:55	0° M		asc. node	9170 Jan 11 01:23	11° X 04'48	
evening rise	9167 Aug 15 13:05	10° M 11'27			9170 Feb 02 07:46	0° Z	
	9167 Aug 31 13:29	0° L		morning max el	9170 Feb 05 01:02	2° Z 39'25	46°09'21
	9167 Sep 24 23:05	0° M			9170 Mar 02 19:35	0° \approx	

	9170 Mar 28 20:12	0° H	evening max el	9172 Nov 26 22:22	26° Z 37'33	45°50'45
	9170 Apr 22 20:32	0° Y		9172 Nov 30 12:08	0° \approx	
desc. node	9170 May 02 19:49	12° Y 09'07	greatest brilliancy	9173 Jan 05 03:22	24° \approx 57'00	-4.8m
	9170 May 17 08:29	0° B	retrograde	9173 Jan 14 19:45	26° \approx 39'18	
	9170 Jun 10 14:03	0° II	evening set	9173 Jan 29 13:24	22° \approx 25'16	
	9170 Jul 04 17:11	0° G	inferior conj	9173 Feb 04 17:55	18° \approx 45'09	-0°42'19
	9170 Jul 28 20:26	0° Ω	minimum elong	9173 Feb 04 19:31	18° \approx 42'40	0°41'36
morning set	9170 Aug 09 23:13	15° Ω 02'09	min. Earth dist.	9173 Feb 05 06:15	18° \approx 26'02	0.27669 AU
	9170 Aug 22 00:56	0° P	asc. node	9173 Feb 07 12:57	17° \approx 02'04	
asc. node	9170 Aug 23 16:13	2° P 01'39	morning rise	9173 Feb 11 01:06	15° \approx 00'38	
	9170 Sep 15 06:46	0° $\underline{\text{L}}$	direct	9173 Feb 25 19:34	10° \approx 43'12	
			greatest brilliancy	9173 Mar 08 13:07	12° \approx 52'49	-4.9m
superior conj	9170 Sep 16 22:41	2° $\underline{\text{L}}$ 03'24 0°54'22		9173 Apr 03 00:48	0° H	
minimum elong	9170 Sep 16 13:12	1° $\underline{\text{L}}$ 34'06 0°54'00	morning max el	9173 Apr 17 06:00	13° H 29'33	46°52'15
max. Earth dist.	9170 Sep 18 10:40	3° $\underline{\text{L}}$ 54'35 1.72990 AU		9173 May 02 22:30	0° Y	
	9170 Oct 09 13:51	0° M		9173 May 29 09:14	0° B	
evening rise	9170 Oct 23 13:51	17° M 15'09	desc. node	9173 May 30 08:06	1° B 06'48	
	9170 Nov 02 22:37	0° A		9173 Jun 23 15:46	0° II	
	9170 Nov 27 09:57	0° Z		9173 Jul 18 10:28	0° G	
desc. node	9170 Dec 13 09:52	19° Z 31'30		9173 Aug 12 00:30	0° Ω	
	9170 Dec 22 00:25	0° \approx		9173 Sep 05 12:44	0° P	
	9171 Jan 15 18:12	0° H	asc. node	9173 Sep 20 04:46	17° P 59'06	
	9171 Feb 09 16:09	0° Y		9173 Sep 29 23:42	0° $\underline{\text{L}}$	
	9171 Mar 06 22:25	0° B	morning set	9173 Oct 18 16:24	22° $\underline{\text{L}}$ 59'14	
	9171 Apr 02 01:05	0° II		9173 Oct 24 09:09	0° M	
asc. node	9171 Apr 05 09:06	3° II 42'09		9173 Nov 17 17:17	0° A	
evening max el	9171 Apr 24 12:16	24° II 00'50 46°57'36				
	9171 Apr 30 14:03	0° G	superior conj	9173 Nov 24 06:12	8° A 03'51	1°23'11
greatest brilliancy	9171 Jun 03 20:41	24° G 57'24 -4.9m	minimum elong	9173 Nov 24 10:55	8° A 18'25	1°23'23
retrograde	9171 Jun 14 01:10	26° G 55'01	max. Earth dist.	9173 Nov 23 18:16	7° A 27'02	1.73229 AU
evening set	9171 Jun 29 21:26	21° G 59'37		9173 Dec 12 00:49	0° Z	
inferior conj	9171 Jul 04 20:56	19° G 00'51 5°09'22	evening rise	9173 Dec 31 12:29	24° Z 02'38	
minimum elong	9171 Jul 05 07:04	18° G 45'17 5°06'23		9174 Jan 05 08:18	0° \approx	
min. Earth dist.	9171 Jul 04 21:15	19° G 00'20 0.27290 AU	desc. node	9174 Jan 09 21:54	5° \approx 38'12	
morning rise	9171 Jul 10 16:57	15° G 34'10		9174 Jan 29 15:35	0° H	
direct	9171 Jul 25 15:21	11° G 11'38		9174 Feb 22 22:24	0° Y	
desc. node	9171 Jul 26 05:24	11° G 12'03		9174 Mar 19 05:30	0° B	
greatest brilliancy	9171 Aug 04 12:46	13° G 00'33 -4.8m		9174 Apr 12 15:42	0° II	
	9171 Aug 30 20:39	0° Ω	asc. node	9174 May 02 20:15	24° II 29'17	
morning max el	9171 Sep 13 02:15	12° Ω 07'26 46°04'34		9174 May 07 10:30	0° G	
	9171 Sep 30 15:54	0° P		9174 Jun 01 23:50	0° Ω	
	9171 Oct 27 22:36	0° $\underline{\text{L}}$		9174 Jun 29 07:13	0° P	
asc. node	9171 Nov 16 03:46	22° $\underline{\text{L}}$ 06'44	evening max el	9174 Jul 05 10:56	6° P 15'56	46°29'12
	9171 Nov 22 21:23	0° M		9174 Aug 02 04:03	0° $\underline{\text{L}}$	
	9171 Dec 18 02:06	0° A	greatest brilliancy	9174 Aug 13 06:38	5° $\underline{\text{L}}$ 55'54	-4.8m
	9172 Jan 11 19:15	0° Z	desc. node	9174 Aug 22 16:46	8° $\underline{\text{L}}$ 08'13	
	9172 Feb 05 04:53	0° \approx	retrograde	9174 Aug 24 09:22	8° $\underline{\text{L}}$ 11'34	
	9172 Feb 29 09:26	0° H	evening set	9174 Sep 08 22:29	3° $\underline{\text{L}}$ 29'57	
desc. node	9172 Mar 06 20:42	8° H 03'32	min. Earth dist.	9174 Sep 13 23:26	0° $\underline{\text{L}}$ 28'03	0.28473 AU
morning set	9172 Mar 10 05:23	12° H 15'05	inferior conj	9174 Sep 14 18:12	29° P 58'43	-5°17'00
	9172 Mar 24 10:11	0° Y	minimum elong	9174 Sep 14 08:30	0° $\underline{\text{L}}$ 13'53	5°14'41
	9172 Apr 17 08:08	0° B		9174 Sep 14 17:22	30° R P	
max. Earth dist.	9172 Apr 18 12:05	1° B 27'47 1.71299 AU	morning rise	9174 Sep 19 19:05	26° P 55'31	
			direct	9174 Oct 06 01:18	21° P 54'42	
superior conj	9172 Apr 19 18:40	3° B 03'52 -1°22'28	greatest brilliancy	9174 Oct 15 16:28	23° P 35'24	-4.7m
minimum elong	9172 Apr 19 10:49	2° B 39'15 1°22'29		9174 Oct 28 11:07	0° $\underline{\text{L}}$	
	9172 May 11 04:50	0° II	morning max el	9174 Nov 23 17:30	21° $\underline{\text{L}}$ 39'52	45°41'22
evening rise	9172 May 30 07:19	23° II 59'36		9174 Dec 02 04:14	0° M	
	9172 Jun 04 02:20	0° G	asc. node	9174 Dec 13 15:49	11° M 58'00	
asc. node	9172 Jun 27 17:37	29° G 31'39		9174 Dec 30 01:32	0° A	
	9172 Jun 28 02:44	0° Ω		9175 Jan 25 00:36	0° Z	
	9172 Jul 22 07:48	0° P		9175 Feb 19 01:46	0° \approx	
	9172 Aug 15 19:29	0° $\underline{\text{L}}$		9175 Mar 15 14:42	0° H	
	9172 Sep 09 17:03	0° M	desc. node	9175 Apr 04 09:11	24° H 27'49	
	9172 Oct 05 06:42	0° A		9175 Apr 08 20:04	0° Y	
desc. node	9172 Oct 17 12:54	13° A 57'48		9175 May 02 20:36	0° B	
	9172 Nov 01 00:56	0° Z	morning set	9175 May 26 05:46	29° B 19'32	

	9175 May 26 18:40	0°♄	retrograde	9177 Nov 02 04:10	15°♄47'51	
	9175 Jun 19 16:34	0°♅	evening set	9177 Nov 20 07:58	9°♄36'43	
			inferior conj	9177 Nov 23 16:08	7°♄32'30	-8°24'04
superior conj	9175 Jul 05 01:30	19°♅14'39 -0°48'42	minimum elong	9177 Nov 23 20:58	7°♄24'54	8°23'28
minimum elong	9175 Jul 05 11:50	19°♅46'56 0°48'32	min. Earth dist.	9177 Nov 24 00:31	7°♄19'20	0.29074 AU
max. Earth dist.	9175 Jul 08 06:54	23°♅16'28 1.71799 AU	morning rise	9177 Nov 27 09:52	5°♄13'34	
	9175 Jul 13 16:09	0°♄		9177 Dec 09 00:11	30°♄♌	
asc. node	9175 Jul 26 05:48	15°♄40'13	direct	9177 Dec 15 03:58	29°♄14'08	
	9175 Aug 06 18:27	0°♍		9177 Dec 21 12:33	0°♄	
evening rise	9175 Aug 13 04:26	7°♍57'34	greatest brilliancy	9177 Dec 25 23:45	1°♄22'12	-4.8m
	9175 Aug 31 00:03	0°♎	asc. node	9178 Jan 10 03:30	9°♄54'37	
	9175 Sep 24 09:51	0°♏		9178 Feb 02 05:51	0°♄	
	9175 Oct 19 01:31	0°♐	morning max el	9178 Feb 02 17:39	0°♄29'03	46°07'46
	9175 Nov 13 01:26	0°♑		9178 Mar 02 11:09	0°♄	
desc. node	9175 Nov 15 00:12	2°♑19'02		9178 Mar 28 09:31	0°♈	
	9175 Dec 08 12:43	0°♒		9178 Apr 22 08:47	0°♉	
	9176 Jan 03 17:11	0°♊	desc. node	9178 May 01 21:46	11°♉38'31	
	9176 Jan 31 09:04	0°♋		9178 May 16 20:07	0°♊	
evening max el	9176 Feb 08 01:36	7°♋46'49 46°30'59		9178 Jun 10 01:17	0°♋	
	9176 Mar 04 13:29	0°♌		9178 Jul 04 04:07	0°♌	
asc. node	9176 Mar 07 00:05	1°♌40'22		9178 Jul 28 07:10	0°♍	
greatest brilliancy	9176 Mar 19 09:44	8°♌07'43 -4.9m	morning set	9178 Aug 07 14:06	12°♍46'17	
retrograde	9176 Mar 29 03:10	9°♌55'07		9178 Aug 21 11:32	0°♍	
evening set	9176 Apr 15 05:47	4°♌17'44	asc. node	9178 Aug 22 18:06	1°♍34'40	
inferior conj	9176 Apr 18 19:33	2°♌07'42 8°36'25				
minimum elong	9176 Apr 18 11:54	2°♌19'29 8°35'24	superior conj	9178 Sep 14 15:07	29°♍53'19	0°51'42
min. Earth dist.	9176 Apr 18 16:27	2°♌12'27 0.27116 AU	minimum elong	9178 Sep 14 05:48	29°♍24'31	0°51'19
morning rise	9176 Apr 21 17:59	0°♌20'08		9178 Sep 14 17:17	0°♎	
	9176 Apr 22 07:29	30°♌♍	max. Earth dist.	9178 Sep 16 05:53	1°♎53'10	1.72962 AU
direct	9176 May 09 10:47	24°♍18'33		9178 Oct 09 00:20	0°♎	
greatest brilliancy	9176 May 19 03:51	26°♍05'00 -4.9m	evening rise	9178 Oct 21 07:21	15°♎08'55	
	9176 May 27 11:51	0°♎		9178 Nov 02 09:11	0°♏	
desc. node	9176 Jun 26 19:57	24°♎56'18		9178 Nov 26 20:43	0°♑	
morning max el	9176 Jun 28 19:45	26°♎55'07 46°50'36	desc. node	9178 Dec 12 11:57	19°♑04'17	
	9176 Jul 01 20:55	0°♏		9178 Dec 21 11:34	0°♒	
	9176 Jul 29 14:42	0°♐		9179 Jan 15 05:56	0°♊	
	9176 Aug 24 16:34	0°♑		9179 Feb 09 04:46	0°♋	
	9176 Sep 19 02:30	0°♒		9179 Mar 06 12:28	0°♌	
	9176 Oct 14 03:32	0°♓		9179 Apr 01 18:03	0°♍	
asc. node	9176 Oct 17 17:16	4°♓18'24	asc. node	9179 Apr 04 11:01	2°♍59'15	
	9176 Nov 07 21:52	0°♏	evening max el	9179 Apr 22 03:15	21°♍41'22	46°57'43
	9176 Dec 02 10:42	0°♐		9179 Apr 30 15:48	0°♅	
morning set	9176 Dec 26 05:35	29°♐17'17	greatest brilliancy	9179 Jun 01 10:51	22°♅35'09	-4.9m
	9176 Dec 26 19:25	0°♑	retrograde	9179 Jun 11 15:23	24°♅32'20	
	9177 Jan 20 01:16	0°♒	evening set	9179 Jun 27 14:04	19°♅32'48	
max. Earth dist.	9177 Jan 30 07:15	12°♒43'09 1.72407 AU	inferior conj	9179 Jul 02 10:15	16°♅38'29	5°28'45
			minimum elong	9179 Jul 02 20:44	16°♅22'22	5°25'45
superior conj	9177 Feb 02 01:35	16°♒09'13 0°10'34	min. Earth dist.	9179 Jul 02 10:46	16°♅37'42	0.27272 AU
minimum elong	9177 Feb 02 04:08	16°♒17'07 0°10'39	morning rise	9179 Jul 08 03:43	13°♅15'28	
behind sun begin	9177 Feb 01 09:42	15°♒19'51	direct	9179 Jul 23 05:04	8°♅49'42	
behind sun end	9177 Feb 02 22:34	17°♒14'24	desc. node	9179 Jul 25 07:26	8°♅54'55	
desc. node	9177 Feb 06 10:12	21°♒34'17	greatest brilliancy	9179 Aug 02 01:07	10°♅37'50	-4.8m
	9177 Feb 13 04:49	0°♊		9179 Aug 31 02:30	0°♎	
	9177 Mar 09 06:14	0°♋	morning max el	9179 Sep 10 17:04	9°♎51'37	46°05'58
evening rise	9177 Mar 13 07:20	5°♋03'13		9179 Sep 30 09:28	0°♏	
	9177 Apr 02 06:02	0°♌		9179 Oct 27 12:37	0°♐	
	9177 Apr 26 05:45	0°♍	asc. node	9179 Nov 15 05:44	21°♐35'21	
	9177 May 20 07:58	0°♅		9179 Nov 22 09:47	0°♑	
asc. node	9177 May 30 07:47	12°♅21'55		9179 Dec 17 13:39	0°♒	
	9177 Jun 13 16:02	0°♎		9180 Jan 11 06:20	0°♓	
	9177 Jul 08 10:19	0°♏		9180 Feb 04 15:45	0°♒	
	9177 Aug 02 22:26	0°♐		9180 Feb 28 20:13	0°♊	
	9177 Aug 29 22:34	0°♑	desc. node	9180 Mar 05 22:32	7°♊35'42	
evening max el	9177 Sep 14 03:04	15°♑28'11 45°50'05	morning set	9180 Mar 07 17:42	9°♊50'15	
desc. node	9177 Sep 19 03:50	20°♑15'03		9180 Mar 23 20:57	0°♋	
	9177 Sep 30 07:23	0°♒	max. Earth dist.	9180 Apr 15 18:14	28°♋42'28	1.71316 AU
greatest brilliancy	9177 Oct 23 02:24	13°♒57'10 -4.7m		9180 Apr 16 18:55	0°♌	

superior conj	9180 Apr 17 05:47	0°♄34'06	-1°21'02	greatest brilliancy	9182 Oct 13 07:49	21°♑23'08	-4.7m
minimum elong	9180 Apr 16 21:11	0°♄07'05	1°21'00		9182 Oct 29 09:00	0°♎	
	9180 May 10 15:38	0°♈		morning max el	9182 Nov 21 07:30	19°♎24'25	45°41'21
evening rise	9180 May 27 17:59	21°♈28'25			9182 Dec 01 23:31	0°♍	
	9180 Jun 03 13:11	0°♊		asc. node	9182 Dec 12 17:52	11°♍18'16	
asc. node	9180 Jun 26 19:38	29°♊03'47			9182 Dec 29 16:13	0°♌	
	9180 Jun 27 13:42	0°♋			9183 Jan 24 13:30	0°♋	
	9180 Jul 21 18:58	0°♍			9183 Feb 18 13:47	0°♌	
	9180 Aug 15 07:00	0°♎			9183 Mar 15 02:14	0°♍	
	9180 Sep 09 05:14	0°♏		desc. node	9183 Apr 03 11:10	23°♍58'56	
	9180 Oct 04 20:09	0°♌			9183 Apr 08 07:18	0°♎	
desc. node	9180 Oct 16 14:50	13°♌22'35			9183 May 02 07:40	0°♏	
	9180 Oct 31 17:13	0°♐		morning set	9183 May 23 17:08	26°♏50'03	
evening max el	9180 Nov 24 13:07	24°♐23'29	45°49'53		9183 May 26 05:38	0°♈	
	9180 Nov 30 13:09	0°♑			9183 Jun 19 03:30	0°♊	
greatest brilliancy	9181 Jan 02 18:14	22°♑41'09	-4.8m				
retrograde	9181 Jan 12 09:05	24°♑22'11		superior conj	9183 Jul 02 14:17	16°♑50'34	-0°51'48
evening set	9181 Jan 27 05:02	20°♑06'24		minimum elong	9183 Jul 03 01:01	17°♑24'06	0°51'39
inferior conj	9181 Feb 02 08:21	16°♑27'45	-1°04'33	max. Earth dist.	9183 Jul 05 15:31	20°♑39'27	1.71760 AU
minimum elong	9181 Feb 02 10:47	16°♑23'58	1°03'34		9183 Jul 13 03:02	0°♋	
min. Earth dist.	9181 Feb 02 21:42	16°♑07'01	0.27713 AU	asc. node	9183 Jul 25 07:41	15°♋12'11	
asc. node	9181 Feb 06 14:49	13°♑51'34			9183 Aug 06 05:20	0°♌	
morning rise	9181 Feb 08 15:54	12°♑42'09		evening rise	9183 Aug 10 19:22	5°♌41'18	
direct	9181 Feb 23 10:13	8°♑25'09			9183 Aug 30 11:00	0°♎	
greatest brilliancy	9181 Mar 06 05:02	10°♑35'23	-4.8m		9183 Sep 23 20:59	0°♏	
	9181 Apr 03 05:46	0°♐			9183 Oct 18 13:02	0°♌	
morning max el	9181 Apr 14 19:23	11°♐06'44	46°51'06		9183 Nov 12 13:38	0°♐	
	9181 May 02 16:10	0°♑		desc. node	9183 Nov 14 02:16	1°♐48'48	
	9181 May 28 23:40	0°♏			9183 Dec 08 02:04	0°♑	
desc. node	9181 May 29 10:08	0°♏30'38			9184 Jan 03 08:44	0°♐	
	9181 Jun 23 04:43	0°♈			9184 Jan 31 05:53	0°♑	
	9181 Jul 17 22:33	0°♊		evening max el	9184 Feb 05 14:57	5°♑24'02	46°29'36
	9181 Aug 11 12:01	0°♋			9184 Mar 05 16:30	0°♏	
	9181 Sep 04 23:51	0°♌		asc. node	9184 Mar 06 02:02	0°♏15'08	
asc. node	9181 Sep 19 06:37	17°♌31'15		greatest brilliancy	9184 Mar 16 22:09	5°♏41'39	-4.9m
	9181 Sep 29 10:32	0°♎		retrograde	9184 Mar 26 16:21	7°♏29'54	
morning set	9181 Oct 16 09:16	20°♎50'28		evening set	9184 Apr 12 14:12	1°♏58'43	
	9181 Oct 23 19:50	0°♏			9184 Apr 15 20:58	30°♏♑	
	9181 Nov 17 03:55	0°♌		inferior conj	9184 Apr 16 08:30	29°♑42'17	8°27'13
				minimum elong	9184 Apr 16 00:09	29°♑55'07	8°26'01
superior conj	9181 Nov 21 23:34	5°♌56'34	1°23'58	min. Earth dist.	9184 Apr 16 05:08	29°♑47'28	0.27115 AU
minimum elong	9181 Nov 22 03:38	6°♌09'07	1°24'11	morning rise	9184 Apr 19 10:03	27°♑50'17	
max. Earth dist.	9181 Nov 21 10:57	5°♌17'40	1.73238 AU	direct	9184 May 06 23:52	21°♑52'48	
	9181 Dec 11 11:31	0°♐		greatest brilliancy	9184 May 16 17:14	23°♑40'00	-4.9m
evening rise	9181 Dec 29 04:22	21°♐50'18			9184 May 28 22:31	0°♏	
	9182 Jan 04 19:07	0°♑		desc. node	9184 Jun 25 21:58	24°♏03'16	
desc. node	9182 Jan 08 23:52	5°♑10'48		morning max el	9184 Jun 26 10:01	24°♏33'24	46°51'42
	9182 Jan 29 02:36	0°♐			9184 Jul 01 18:18	0°♈	
	9182 Feb 22 09:42	0°♑			9184 Jul 29 06:33	0°♊	
	9182 Mar 18 17:12	0°♏			9184 Aug 24 06:10	0°♋	
	9182 Apr 12 04:02	0°♈			9184 Sep 18 14:54	0°♌	
asc. node	9182 May 01 22:15	23°♈55'53			9184 Oct 13 15:14	0°♎	
	9182 May 06 23:53	0°♊		asc. node	9184 Oct 16 19:17	3°♎49'28	
	9182 Jun 01 15:11	0°♋			9184 Nov 07 09:07	0°♏	
	9182 Jun 29 03:34	0°♌			9184 Dec 01 21:41	0°♌	
evening max el	9182 Jul 03 01:03	3°♌56'25	46°30'40	morning set	9184 Dec 23 22:07	27°♌06'40	
	9182 Aug 03 10:11	0°♎			9184 Dec 26 06:17	0°♐	
greatest brilliancy	9182 Aug 10 22:59	3°♎42'17	-4.8m		9185 Jan 19 12:07	0°♑	
desc. node	9182 Aug 21 18:40	5°♎57'24		max. Earth dist.	9185 Jan 28 01:01	10°♑35'29	1.72449 AU
retrograde	9182 Aug 22 00:34	5°♎57'29					
evening set	9182 Sep 06 11:43	1°♎19'15		superior conj	9185 Jan 30 15:48	13°♑50'23	0°14'08
	9182 Sep 08 18:20	30°♏♑		minimum elong	9185 Jan 30 19:09	14°♑00'49	0°14'11
min. Earth dist.	9182 Sep 11 15:15	28°♑14'04	0.28422 AU	behind sun begin	9185 Jan 30 07:38	13°♑25'03	
inferior conj	9182 Sep 12 09:35	27°♑45'25	-5°00'16	behind sun end	9185 Jan 31 06:40	14°♑36'35	
minimum elong	9182 Sep 12 00:07	28°♑00'12	4°57'56	desc. node	9185 Feb 05 12:01	21°♑06'00	
morning rise	9182 Sep 17 13:02	24°♑38'28			9185 Feb 12 15:45	0°♐	
direct	9182 Oct 03 15:38	19°♑41'59			9185 Mar 08 17:18	0°♑	

evening rise	9185 Mar 10 20:16	2°♄39'09			9187 Sep 30 02:48	0°♄	
	9185 Apr 01 17:14	0°♄			9187 Oct 27 02:38	0°♄	
	9185 Apr 25 17:07	0°♄		asc. node	9187 Nov 14 07:44	21°♄03'44	
	9185 May 19 19:34	0°♄			9187 Nov 21 22:17	0°♄	
asc. node	9185 May 29 09:49	11°♄51'55			9187 Dec 17 01:22	0°♄	
	9185 Jun 13 04:02	0°♄			9188 Jan 10 17:38	0°♄	
	9185 Jul 07 23:06	0°♄			9188 Feb 04 02:50	0°♄	
	9185 Aug 02 12:45	0°♄			9188 Feb 28 07:13	0°♄	
	9185 Aug 29 16:32	0°♄		morning set	9188 Mar 05 06:03	7°♄24'52	
evening max el	9185 Sep 11 19:22	13°♄17'49	45°50'56	desc. node	9188 Mar 05 00:30	7°♄07'34	
desc. node	9185 Sep 18 05:48	19°♄22'33			9188 Mar 23 07:56	0°♄	
	9185 Sep 30 17:14	0°♄		max. Earth dist.	9188 Apr 12 22:15	25°♄49'52	1.71336 AU
greatest brilliancy	9185 Oct 20 16:33	11°♄45'27	-4.7m				
retrograde	9185 Oct 30 20:38	13°♄37'45		superior conj	9188 Apr 14 16:57	28°♄03'56	-1°19'26
evening set	9185 Nov 18 01:10	7°♄24'35		minimum elong	9188 Apr 14 07:40	27°♄34'48	1°19'21
inferior conj	9185 Nov 21 08:17	5°♄21'49	-8°28'21		9188 Apr 16 05:54	0°♄	
minimum elong	9185 Nov 21 12:25	5°♄15'20	8°27'51		9188 May 10 02:40	0°♄	
min. Earth dist.	9185 Nov 21 15:05	5°♄11'09	0.29096 AU	evening rise	9188 May 25 04:36	18°♄56'24	
morning rise	9185 Nov 24 23:36	3°♄06'37			9188 Jun 03 00:17	0°♄	
	9185 Nov 30 16:57	30°♄		asc. node	9188 Jun 25 21:30	28°♄34'46	
direct	9185 Dec 12 20:47	27°♄03'35			9188 Jun 27 00:54	0°♄	
greatest brilliancy	9185 Dec 23 14:27	29°♄10'02	-4.8m		9188 Jul 21 06:20	0°♄	
	9185 Dec 25 15:59	0°♄			9188 Aug 14 18:41	0°♄	
asc. node	9186 Jan 09 05:22	8°♄44'50			9188 Sep 08 17:33	0°♄	
morning max el	9186 Jan 31 09:58	28°♄16'58	46°06'08		9188 Oct 04 09:49	0°♄	
	9186 Feb 02 03:31	0°♄		desc. node	9188 Oct 15 16:54	12°♄47'20	
	9186 Mar 02 02:49	0°♄			9188 Oct 31 09:54	0°♄	
	9186 Mar 27 23:04	0°♄		evening max el	9188 Nov 22 02:59	22°♄07'05	45°48'55
	9186 Apr 21 21:19	0°♄			9188 Nov 30 15:43	0°♄	
desc. node	9186 Apr 30 23:45	11°♄07'02		greatest brilliancy	9188 Dec 31 09:13	20°♄25'07	-4.8m
	9186 May 16 08:03	0°♄		retrograde	9189 Jan 09 22:27	22°♄05'09	
	9186 Jun 09 12:48	0°♄		evening set	9189 Jan 24 20:53	17°♄46'58	
	9186 Jul 03 15:20	0°♄		inferior conj	9189 Jan 30 22:53	14°♄10'15	-1°26'31
	9186 Jul 27 18:10	0°♄		minimum elong	9189 Jan 31 02:08	14°♄05'12	1°25'18
morning set	9186 Aug 05 05:20	10°♄30'45		min. Earth dist.	9189 Jan 31 13:24	13°♄47'41	0.27763 AU
	9186 Aug 20 22:22	0°♄		asc. node	9189 Feb 05 16:48	10°♄43'02	
asc. node	9186 Aug 21 20:00	1°♄06'59		morning rise	9189 Feb 06 06:39	10°♄23'56	
				direct	9189 Feb 21 00:40	6°♄06'43	
superior conj	9186 Sep 12 07:43	27°♄42'57	0°48'59	greatest brilliancy	9189 Mar 03 21:35	8°♄18'27	-4.8m
minimum elong	9186 Sep 11 22:38	27°♄14'52	0°48'34		9189 Apr 03 09:08	0°♄	
max. Earth dist.	9186 Sep 14 02:58	29°♄56'41	1.72935 AU	morning max el	9189 Apr 12 08:48	8°♄43'39	46°50'01
	9186 Sep 14 04:03	0°♄			9189 May 02 09:35	0°♄	
	9186 Oct 08 11:07	0°♄		desc. node	9189 May 28 12:07	29°♄54'19	
evening rise	9186 Oct 19 00:54	13°♄01'57			9189 May 28 14:03	0°♄	
	9186 Nov 01 20:04	0°♄			9189 Jun 22 17:40	0°♄	
	9186 Nov 26 07:50	0°♄			9189 Jul 17 10:42	0°♄	
desc. node	9186 Dec 11 13:50	18°♄35'29			9189 Aug 10 23:36	0°♄	
	9186 Dec 20 23:04	0°♄			9189 Sep 04 11:02	0°♄	
	9187 Jan 14 18:02	0°♄		asc. node	9189 Sep 18 08:41	17°♄03'52	
	9187 Feb 08 17:48	0°♄			9189 Sep 28 21:25	0°♄	
	9187 Mar 06 03:01	0°♄		morning set	9189 Oct 14 02:24	18°♄42'27	
	9187 Apr 01 11:44	0°♄			9189 Oct 23 06:30	0°♄	
asc. node	9187 Apr 03 13:04	2°♄15'12			9189 Nov 16 14:32	0°♄	
evening max el	9187 Apr 19 18:01	19°♄20'14	46°57'37	max. Earth dist.	9189 Nov 19 05:10	3°♄13'07	1.73249 AU
	9187 Apr 30 19:31	0°♄					
greatest brilliancy	9187 May 30 01:34	20°♄12'32	-4.9m	superior conj	9189 Nov 19 17:18	3°♄50'32	1°24'37
retrograde	9187 Jun 09 05:13	22°♄08'27		minimum elong	9189 Nov 19 20:43	4°♄01'03	1°24'51
evening set	9187 Jun 25 06:49	17°♄05'00			9189 Dec 10 22:12	0°♄	
inferior conj	9187 Jun 29 23:35	14°♄15'17	5°47'36	evening rise	9189 Dec 26 20:36	19°♄39'12	
minimum elong	9187 Jun 30 10:19	13°♄58'45	5°44'38		9190 Jan 04 05:58	0°♄	
min. Earth dist.	9187 Jun 30 00:29	14°♄13'54	0.27250 AU	desc. node	9190 Jan 08 01:45	4°♄43'05	
morning rise	9187 Jul 05 14:09	10°♄56'02			9190 Jan 28 13:40	0°♄	
direct	9187 Jul 20 18:30	6°♄27'02			9190 Feb 21 21:05	0°♄	
desc. node	9187 Jul 24 09:15	6°♄42'20			9190 Mar 18 05:01	0°♄	
greatest brilliancy	9187 Jul 30 13:40	8°♄14'25	-4.8m		9190 Apr 11 16:30	0°♄	
	9187 Aug 31 06:38	0°♄		asc. node	9190 May 01 00:16	23°♄22'14	
morning max el	9187 Sep 08 06:57	7°♄32'53	46°07'30		9190 May 06 13:24	0°♄	

	9190 Jun 01 06:46	0°♈			9192 Nov 06 20:05	0°♍		
	9190 Jun 29 00:38	0°♍			9192 Dec 01 08:23	0°♈		
evening max el	9190 Jun 30 15:04	1°♍36'32	46°32'10	morning set	9192 Dec 21 15:03	24°♈58'09		
	9190 Aug 05 06:31	0°♌			9192 Dec 25 16:51	0°♌		
greatest brilliancy	9190 Aug 08 14:50	1°♌27'53	-4.8m		9193 Jan 18 22:39	0°♍		
retrograde	9190 Aug 19 16:03	3°♌43'27		max. Earth dist.	9193 Jan 25 18:26	8°♍27'50	1.72485 AU	
desc. node	9190 Aug 20 20:44	3°♌41'44						
	9190 Sep 02 10:15	30°♍		superior conj	9193 Jan 28 06:33	11°♍34'21	0°17'37	
evening set	9190 Sep 04 01:04	29°♍08'03		minimum elong	9193 Jan 28 10:41	11°♍47'11	0°17'39	
min. Earth dist.	9190 Sep 09 06:54	26°♍00'06	0.28369 AU	desc. node	9193 Feb 04 14:01	20°♍39'22		
inferior conj	9190 Sep 10 00:55	25°♍32'01	-4°42'58		9193 Feb 12 02:21	0°♈		
minimum elong	9190 Sep 09 15:46	25°♍46'17	4°40'39	evening rise	9193 Mar 08 09:38	0°♍17'33		
morning rise	9190 Sep 15 06:56	22°♍21'38			9193 Mar 08 04:01	0°♍		
direct	9190 Oct 01 05:57	17°♍29'05			9193 Apr 01 04:07	0°♉		
greatest brilliancy	9190 Oct 10 23:12	19°♍11'05	-4.7m		9193 Apr 25 04:12	0°♊		
	9190 Oct 30 01:02	0°♌			9193 May 19 06:57	0°♋		
morning max el	9190 Nov 18 22:20	17°♌11'29	45°41'36	asc. node	9193 May 28 11:39	11°♋21'56		
	9190 Dec 01 18:06	0°♍			9193 Jun 12 15:54	0°♈		
asc. node	9190 Dec 11 19:44	10°♍39'03			9193 Jul 07 11:46	0°♍		
	9190 Dec 29 06:31	0°♈			9193 Aug 02 03:01	0°♌		
	9191 Jan 24 02:08	0°♌			9193 Aug 29 10:44	0°♍		
	9191 Feb 18 01:36	0°♍		evening max el	9193 Sep 09 11:35	11°♍07'46	45°51'52	
	9191 Mar 14 13:38	0°♈		desc. node	9193 Sep 17 07:51	18°♍29'54		
desc. node	9191 Apr 02 13:11	23°♈30'24			9193 Oct 01 06:10	0°♈		
	9191 Apr 07 18:28	0°♍		greatest brilliancy	9193 Oct 18 07:11	9°♈34'54	-4.7m	
	9191 May 01 18:41	0°♉		retrograde	9193 Oct 28 12:41	11°♈28'07		
morning set	9191 May 21 04:08	24°♉19'36		evening set	9193 Nov 15 18:07	5°♈13'32		
	9191 May 25 16:34	0°♊		inferior conj	9193 Nov 19 00:21	3°♈11'51	-8°32'05	
	9191 Jun 18 14:20	0°♋		minimum elong	9193 Nov 19 03:45	3°♈06'30	8°31'40	
				min. Earth dist.	9193 Nov 19 05:41	3°♈03'28	0.29110 AU	
superior conj	9191 Jun 30 02:43	14°♋25'34	-0°54'50	morning rise	9193 Nov 22 13:23	0°♈59'59		
minimum elong	9191 Jun 30 13:47	15°♋00'09	0°54'41		9193 Nov 24 06:03	30°♍		
max. Earth dist.	9191 Jul 03 00:41	18°♋04'22	1.71721 AU	direct	9193 Dec 10 13:31	24°♍53'54		
	9191 Jul 12 13:48	0°♈		greatest brilliancy	9193 Dec 21 04:53	26°♍58'18	-4.8m	
asc. node	9191 Jul 24 09:35	14°♈44'35			9193 Dec 27 18:19	0°♈		
	9191 Aug 05 16:06	0°♍		asc. node	9194 Jan 08 07:20	7°♈38'03		
evening rise	9191 Aug 08 10:07	3°♍24'50		morning max el	9194 Jan 29 01:27	26°♈03'57	46°04'42	
	9191 Aug 29 21:51	0°♌			9194 Feb 01 23:59	0°♌		
	9191 Sep 23 08:02	0°♍			9194 Mar 01 17:49	0°♍		
	9191 Oct 18 00:25	0°♈			9194 Mar 27 12:05	0°♈		
	9191 Nov 12 01:39	0°♌			9194 Apr 21 09:22	0°♍		
desc. node	9191 Nov 13 04:13	1°♌18'45		desc. node	9194 Apr 30 01:39	10°♍36'45		
	9191 Dec 07 15:15	0°♍			9194 May 15 19:34	0°♉		
	9192 Jan 03 00:13	0°♈			9194 Jun 08 23:58	0°♊		
	9192 Jan 31 03:06	0°♍			9194 Jul 03 02:16	0°♋		
evening max el	9192 Feb 03 05:06	3°♍04'14	46°28'01		9194 Jul 27 04:54	0°♈		
asc. node	9192 Mar 05 04:05	28°♍47'40		morning set	9194 Aug 02 20:00	8°♈14'07		
	9192 Mar 07 06:34	0°♉			9194 Aug 20 08:58	0°♍		
greatest brilliancy	9192 Mar 14 09:51	3°♉15'22	-4.9m	asc. node	9194 Aug 20 22:02	0°♍40'28		
retrograde	9192 Mar 24 05:41	5°♉04'49						
	9192 Apr 09 08:32	30°♍		superior conj	9194 Sep 09 23:43	25°♍31'30	0°46'08	
evening set	9192 Apr 09 22:27	29°♍39'56		minimum elong	9194 Sep 09 14:56	25°♍04'18	0°45'43	
inferior conj	9192 Apr 13 21:19	27°♍16'52	8°16'59	max. Earth dist.	9194 Sep 11 23:00	27°♍57'44	1.72903 AU	
minimum elong	9192 Apr 13 12:20	27°♍30'38	8°15'36		9194 Sep 13 14:33	0°♌		
min. Earth dist.	9192 Apr 13 17:25	27°♍22'51	0.27121 AU		9194 Oct 07 21:36	0°♍		
morning rise	9192 Apr 17 02:14	25°♍20'03		evening rise	9194 Oct 16 18:01	10°♍54'25		
direct	9192 May 04 13:21	19°♍27'12			9194 Nov 01 06:40	0°♈		
greatest brilliancy	9192 May 14 06:08	21°♍14'26	-4.9m		9194 Nov 25 18:41	0°♌		
	9192 May 29 23:10	0°♉		desc. node	9194 Dec 10 15:45	18°♌07'36		
morning max el	9192 Jun 24 00:31	22°♉12'30	46°52'41		9194 Dec 20 10:19	0°♍		
desc. node	9192 Jun 24 23:49	23°♉11'03			9195 Jan 14 05:52	0°♈		
	9192 Jul 01 14:53	0°♊			9195 Feb 08 06:30	0°♍		
	9192 Jul 28 22:01	0°♋			9195 Mar 05 17:15	0°♉		
	9192 Aug 23 19:29	0°♈			9195 Apr 01 05:16	0°♊		
	9192 Sep 18 03:02	0°♍		asc. node	9195 Apr 02 15:03	1°♊31'58		
	9192 Oct 13 02:39	0°♌		evening max el	9195 Apr 17 07:43	16°♊57'52	46°57'24	
asc. node	9192 Oct 15 21:11	3°♌20'58			9195 May 01 00:22	0°♋		




































































































































greatest brilliancy	9195 May 27 16:37	17°☿51'37	-4.9m	minimum elong	9197 Nov 17 13:23	1°♂52'12	1°25'22
retrograde	9195 Jun 06 18:24	19°☿45'50		max. Earth dist.	9197 Nov 16 23:43	1°♂10'04	1.73260 AU
evening set	9195 Jun 22 23:38	14°☿38'14			9197 Dec 10 08:43	0°☿	
inferior conj	9195 Jun 27 12:57	11°☿53'20	6°05'51	evening rise	9197 Dec 24 12:33	17°☿27'44	
minimum elong	9195 Jun 27 23:53	11°☿36'29	6°02'55		9198 Jan 03 16:38	0°♊	
min. Earth dist.	9195 Jun 27 14:30	11°☿50'57	0.27236 AU	desc. node	9198 Jan 07 03:44	4°♊16'12	
morning rise	9195 Jul 03 00:23	8°☿38'01			9198 Jan 28 00:34	0°♋	
direct	9195 Jul 18 07:36	4°☿05'19			9198 Feb 21 08:19	0°♌	
desc. node	9195 Jul 23 11:22	4°☿36'03			9198 Mar 17 16:43	0°♍	
greatest brilliancy	9195 Jul 28 02:56	5°☿52'34	-4.8m		9198 Apr 11 04:50	0°♎	
	9195 Aug 31 08:49	0°♏		asc. node	9198 Apr 30 02:08	22°♎48'41	
morning max el	9195 Sep 05 20:01	5°♏12'34	46°08'57		9198 May 06 02:48	0°♏	
	9195 Sep 29 19:32	0°♐			9198 May 31 22:18	0°♑	
	9195 Oct 26 16:16	0°♒		evening max el	9198 Jun 28 05:40	29°♑19'11	46°33'51
asc. node	9195 Nov 13 09:37	20°♒32'39			9198 Jun 28 22:02	0°♓	
	9195 Nov 21 10:27	0°♓		greatest brilliancy	9198 Aug 06 06:09	29°♓14'02	-4.8m
	9195 Dec 16 12:44	0°♈			9198 Aug 08 09:27	0°♒	
	9196 Jan 10 04:36	0°☿		retrograde	9198 Aug 17 08:08	1°♒30'38	
	9196 Feb 03 13:37	0°♊		desc. node	9198 Aug 19 22:42	1°♒22'24	
	9196 Feb 27 17:54	0°♋			9198 Aug 25 23:26	30°♒♐	
morning set	9196 Mar 02 18:37	5°♋01'14		evening set	9198 Sep 01 14:43	26°♓57'37	
desc. node	9196 Mar 04 02:30	6°♋40'35		min. Earth dist.	9198 Sep 06 22:19	23°♓47'34	0.28322 AU
	9196 Mar 22 18:34	0°♌		inferior conj	9198 Sep 07 16:21	23°♓19'31	-4°25'08
max. Earth dist.	9196 Apr 10 02:33	22°♌59'25	1.71355 AU	minimum elong	9198 Sep 07 07:34	23°♓33'11	4°22'52
				morning rise	9198 Sep 13 00:55	20°♓05'58	
superior conj	9196 Apr 12 04:33	25°♌36'23	-1°17'42	direct	9198 Sep 28 20:48	15°♓17'04	
minimum elong	9196 Apr 11 18:39	25°♌05'18	1°17'34	greatest brilliancy	9198 Oct 08 14:20	16°♓59'36	-4.7m
	9196 Apr 15 16:31	0°♍			9198 Oct 30 12:39	0°♒	
	9196 May 09 13:17	0°♎		morning max el	9198 Nov 16 14:04	15°♒01'06	45°41'37
evening rise	9196 May 22 15:40	16°♎27'06			9198 Dec 01 12:06	0°♓	
	9196 Jun 02 10:58	0°☿		asc. node	9198 Dec 10 21:43	10°♓00'43	
asc. node	9196 Jun 24 23:28	28°☿07'17			9198 Dec 28 20:38	0°♈	
	9196 Jun 26 11:42	0°♏			9199 Jan 23 14:39	0°☿	
	9196 Jul 20 17:21	0°♐			9199 Feb 17 13:21	0°♊	
	9196 Aug 14 06:06	0°♑			9199 Mar 14 00:56	0°♋	
	9196 Sep 08 05:42	0°♒		desc. node	9199 Apr 01 15:00	23°♋01'29	
	9196 Oct 03 23:24	0°♓			9199 Apr 07 05:32	0°♌	
desc. node	9196 Oct 14 18:50	12°♓12'01			9199 May 01 05:37	0°♍	
	9196 Oct 31 02:43	0°☿		morning set	9199 May 18 15:06	21°♌49'15	
evening max el	9196 Nov 19 16:12	19°☿49'48	45°48'10		9199 May 25 03:24	0°♎	
	9196 Nov 30 19:43	0°♏			9199 Jun 18 01:05	0°☿	
greatest brilliancy	9196 Dec 28 23:46	18°♏09'16	-4.8m				
retrograde	9197 Jan 07 12:09	19°♏48'58		superior conj	9199 Jun 27 15:12	12°☿00'53	-0°57'46
evening set	9197 Jan 22 12:47	15°♏27'48		minimum elong	9199 Jun 28 02:30	12°☿36'15	0°57'37
inferior conj	9197 Jan 28 13:19	11°♏53'17	-1°48'23	max. Earth dist.	9199 Jun 30 11:44	15°☿35'19	1.71680 AU
minimum elong	9197 Jan 28 17:22	11°♏47'01	1°46'54		9199 Jul 12 00:29	0°♏	
min. Earth dist.	9197 Jan 29 04:54	11°♏29'07	0.27813 AU	asc. node	9199 Jul 23 11:38	14°♏17'41	
morning rise	9197 Feb 03 21:08	8°♏06'49			9199 Aug 05 02:45	0°♐	
asc. node	9197 Feb 04 18:54	7°♏37'43		evening rise	9199 Aug 06 01:04	1°♐09'15	
direct	9197 Feb 18 15:05	3°♏48'43			9199 Aug 29 08:35	0°♑	
greatest brilliancy	9197 Mar 01 14:09	6°♏02'19	-4.8m		9199 Sep 22 18:58	0°♒	
	9197 Apr 03 10:40	0°♋			9199 Oct 17 11:47	0°♓	
morning max el	9197 Apr 09 22:59	6°♋23'18	46°49'06		9199 Nov 11 13:45	0°☿	
	9197 May 02 02:19	0°♌		desc. node	9199 Nov 12 06:06	0°☿48'26	
desc. node	9197 May 27 13:58	29°♌18'53			9199 Dec 07 04:38	0°♊	
	9197 May 28 03:56	0°♍			9200 Jan 02 16:05	0°♋	
	9197 Jun 22 06:11	0°♎			9200 Jan 31 01:21	0°♌	
	9197 Jul 16 22:25	0°☿		evening max el	9200 Jan 31 19:47	0°♌45'31	46°26'28
	9197 Aug 10 10:49	0°♏		asc. node	9200 Mar 04 06:01	27°♌16'31	
	9197 Sep 03 21:53	0°♐			9200 Mar 09 18:57	0°♍	
asc. node	9197 Sep 17 10:33	16°♐36'44		greatest brilliancy	9200 Mar 11 21:42	0°♍49'04	-4.9m
	9197 Sep 28 08:01	0°♑		retrograde	9200 Mar 21 18:58	2°♍39'12	
morning set	9197 Oct 11 19:14	16°♑34'06			9200 Apr 02 04:57	30°♍♐	
	9197 Oct 22 16:59	0°♒		evening set	9200 Apr 07 06:46	27°♌20'55	
	9197 Nov 16 01:00	0°♓		inferior conj	9200 Apr 11 10:05	24°♌51'09	8°05'52
				minimum elong	9200 Apr 11 00:35	25°♌05'44	8°04'18
superior conj	9197 Nov 17 10:40	1°♈43'50	1°25'09	min. Earth dist.	9200 Apr 11 05:41	24°♌57'55	0.27121 AU

morning rise	9200 Apr 14 18:27	22°♄49'14		evening rise	9202 Oct 14 11:28	8°♎47'01	
direct	9200 May 02 02:56	17°♄01'32			9202 Oct 31 17:32	0°♊	
greatest brilliancy	9200 May 11 18:45	18°♄48'12	-4.9m		9202 Nov 25 05:47	0°♊	
	9200 May 30 17:27	0°♋		desc. node	9202 Dec 09 17:50	17°♊39'29	
morning max el	9200 Jun 21 14:35	19°♋50'17	46°53'36		9202 Dec 19 21:51	0°♋	
desc. node	9200 Jun 24 01:55	22°♋20'12			9203 Jan 13 18:03	0°♋	
	9200 Jul 01 10:52	0°♌			9203 Feb 07 19:41	0°♌	
	9200 Jul 28 13:19	0°♍			9203 Mar 05 08:08	0°♌	
	9200 Aug 23 08:43	0°♎			9203 Mar 31 23:48	0°♌	
	9200 Sep 17 15:08	0°♏		asc. node	9203 Apr 01 16:58	0°♌46'21	
	9200 Oct 12 14:03	0°♐		evening max el	9203 Apr 14 20:29	14°♌31'25	46°57'07
asc. node	9200 Oct 14 23:06	2°♐52'25			9203 May 01 08:13	0°♍	
	9200 Nov 06 07:05	0°♎		greatest brilliancy	9203 May 25 07:49	15°♍29'01	-4.9m
	9200 Nov 30 19:10	0°♏		retrograde	9203 Jun 04 07:17	17°♍21'33	
morning set	9200 Dec 19 08:01	22°♏49'25		evening set	9203 Jun 20 16:26	12°♍09'27	
	9200 Dec 25 03:34	0°♐		inferior conj	9203 Jun 25 02:14	9°♍29'40	6°23'25
	9201 Jan 18 09:24	0°♑		minimum elong	9203 Jun 25 13:17	9°♍12'39	6°20'34
max. Earth dist.	9201 Jan 23 09:16	6°♑11'33	1.72526 AU	min. Earth dist.	9203 Jun 25 04:35	9°♍26'03	0.27221 AU
				morning rise	9203 Jun 30 10:18	6°♍18'44	
superior conj	9201 Jan 25 21:15	9°♑17'37	0°21'06	direct	9203 Jul 15 20:10	1°♍41'44	
minimum elong	9201 Jan 26 02:07	9°♑32'43	0°21'06	desc. node	9203 Jul 22 13:23	2°♍33'08	
desc. node	9201 Feb 03 16:02	20°♑12'03		greatest brilliancy	9203 Jul 25 16:26	3°♍29'29	-4.8m
	9201 Feb 11 13:10	0°♒			9203 Aug 31 10:07	0°♎	
evening rise	9201 Mar 05 22:43	27°♒54'24		morning max el	9203 Sep 03 08:56	2°♎50'30	46°10'34
	9201 Mar 07 14:58	0°♓			9203 Sep 29 12:18	0°♏	
	9201 Mar 31 15:14	0°♋			9203 Oct 26 06:07	0°♐	
	9201 Apr 24 15:31	0°♌		asc. node	9203 Nov 12 11:35	20°♐00'59	
	9201 May 18 18:34	0°♍			9203 Nov 20 22:52	0°♎	
asc. node	9201 May 27 13:40	10°♍51'52			9203 Dec 16 00:24	0°♏	
	9201 Jun 12 04:00	0°♎			9204 Jan 09 15:52	0°♐	
	9201 Jul 07 00:43	0°♏			9204 Feb 03 00:41	0°♑	
	9201 Aug 01 17:37	0°♐			9204 Feb 27 04:55	0°♒	
	9201 Aug 29 05:32	0°♎		morning set	9204 Feb 29 07:31	2°♒37'34	
evening max el	9201 Sep 07 03:25	8°♎56'23	45°52'53	desc. node	9204 Mar 03 04:22	6°♒12'04	
desc. node	9201 Sep 16 09:48	17°♎35'45			9204 Mar 22 05:35	0°♓	
	9201 Oct 01 23:36	0°♊		max. Earth dist.	9204 Apr 07 09:11	20°♓14'57	1.71386 AU
greatest brilliancy	9201 Oct 15 22:38	7°♊25'27	-4.7m				
retrograde	9201 Oct 26 04:34	9°♊18'59		superior conj	9204 Apr 09 16:00	23°♓06'59	-1°15'47
evening set	9201 Nov 13 11:02	3°♊03'37		minimum elong	9204 Apr 09 05:33	22°♓34'12	1°15'37
inferior conj	9201 Nov 16 16:45	1°♊02'30	-8°34'58		9204 Apr 15 03:33	0°♋	
minimum elong	9201 Nov 16 19:24	0°♊58'19	8°34'37		9204 May 09 00:23	0°♌	
min. Earth dist.	9201 Nov 16 20:49	0°♊56'06	0.29122 AU	evening rise	9204 May 20 02:18	13°♌54'55	
	9201 Nov 18 08:33	30°♌			9204 Jun 01 22:09	0°♍	
morning rise	9201 Nov 20 03:46	28°♌53'26		asc. node	9204 Jun 24 01:29	27°♍38'26	
direct	9201 Dec 08 06:12	22°♌44'51			9204 Jun 25 23:00	0°♎	
greatest brilliancy	9201 Dec 18 19:48	24°♌47'17	-4.8m		9204 Jul 20 04:51	0°♏	
	9201 Dec 29 03:24	0°♊			9204 Aug 13 17:59	0°♐	
asc. node	9202 Jan 07 09:26	6°♊33'03			9204 Sep 07 18:20	0°♎	
morning max el	9202 Jan 26 16:11	23°♊48'33	46°03'03		9204 Oct 03 13:32	0°♏	
	9202 Feb 01 20:02	0°♋		desc. node	9204 Oct 13 20:48	11°♊35'24	
	9202 Mar 01 08:58	0°♑			9204 Oct 30 20:19	0°♋	
	9202 Mar 27 01:23	0°♒		evening max el	9204 Nov 17 06:12	17°♋33'44	45°47'38
	9202 Apr 20 21:45	0°♓			9204 Dec 01 02:03	0°♑	
desc. node	9202 Apr 29 03:38	10°♓05'34		greatest brilliancy	9204 Dec 26 14:00	15°♑52'59	-4.8m
	9202 May 15 07:24	0°♋		retrograde	9205 Jan 05 02:44	17°♑33'03	
	9202 Jun 08 11:25	0°♌		evening set	9205 Jan 20 05:08	13°♑08'38	
	9202 Jul 02 13:27	0°♍		inferior conj	9205 Jan 26 04:03	9°♑36'28	-2°09'47
	9202 Jul 26 15:55	0°♎		minimum elong	9205 Jan 26 08:51	9°♑29'01	2°08'05
morning set	9202 Jul 31 10:37	5°♎56'25		min. Earth dist.	9205 Jan 26 20:16	9°♑11'20	0.27865 AU
asc. node	9202 Aug 19 23:54	0°♏12'32		morning rise	9205 Feb 01 11:46	5°♑50'18	
	9202 Aug 19 19:51	0°♏		asc. node	9205 Feb 03 20:45	4°♑36'53	
				direct	9205 Feb 16 06:07	1°♑30'57	
superior conj	9202 Sep 07 15:55	23°♏19'44	0°43'13	greatest brilliancy	9205 Feb 27 06:25	3°♑45'56	-4.8m
minimum elong	9202 Sep 07 07:28	22°♏53'35	0°42'48		9205 Apr 03 11:12	0°♒	
max. Earth dist.	9202 Sep 09 17:25	25°♏52'49	1.72867 AU	morning max el	9205 Apr 07 14:14	4°♒05'02	46°47'54
	9202 Sep 13 01:21	0°♐			9205 May 01 19:05	0°♓	
	9202 Oct 07 08:24	0°♎		desc. node	9205 May 26 16:03	28°♓43'02	

	9205 May 27 18:07	0°♄			9208 Jan 31 00:36	0°♁		
	9205 Jun 21 19:07	0°♂		asc. node	9208 Mar 03 08:01	25°♁42'25		
	9205 Jul 16 10:36	0°♂		greatest brilliancy	9208 Mar 09 10:31	28°♁24'24	-4.9m	
	9205 Aug 09 22:28	0°♂			9208 Mar 15 20:35	0°♄		
	9205 Sep 03 09:08	0°♅		retrograde	9208 Mar 19 08:09	0°♄14'18		
asc. node	9205 Sep 16 12:27	16°♅08'27			9208 Mar 22 18:14	30°♅♂		
	9205 Sep 27 19:00	0°♂		evening set	9208 Apr 04 15:28	25°♁02'53		
morning set	9205 Oct 09 12:00	14°♂24'24		inferior conj	9208 Apr 08 23:10	22°♁26'30	7°53'53	
	9205 Oct 22 03:49	0°♄		minimum elong	9208 Apr 08 13:13	22°♁41'49	7°52'09	
				min. Earth dist.	9208 Apr 08 18:35	22°♁33'34	0.27118 AU	
superior conj	9205 Nov 15 04:10	29°♄36'26	1°25'34	morning rise	9208 Apr 12 11:00	20°♁19'17		
minimum elong	9205 Nov 15 06:10	29°♄42'36	1°25'48	direct	9208 Apr 29 16:31	14°♁37'04		
max. Earth dist.	9205 Nov 14 20:05	29°♄11'32	1.73267 AU	greatest brilliancy	9208 May 09 07:55	16°♁23'16	-4.9m	
	9205 Nov 15 11:48	0°♄			9208 May 31 06:50	0°♄		
	9205 Dec 09 19:35	0°♄		morning max el	9208 Jun 19 03:47	17°♄26'11	46°54'21	
evening rise	9205 Dec 22 04:52	15°♄16'27		desc. node	9208 Jun 23 03:54	21°♄30'21		
	9206 Jan 03 03:37	0°♄			9208 Jul 01 06:08	0°♂		
desc. node	9206 Jan 06 05:43	3°♄48'20			9208 Jul 28 04:21	0°♂		
	9206 Jan 27 11:46	0°♄			9208 Aug 22 21:53	0°♂		
	9206 Feb 20 19:49	0°♁			9208 Sep 17 03:17	0°♅		
	9206 Mar 17 04:41	0°♄			9208 Oct 12 01:34	0°♂		
	9206 Apr 10 17:30	0°♂		asc. node	9208 Oct 14 01:07	2°♂23'51		
asc. node	9206 Apr 29 04:11	22°♂14'32			9208 Nov 05 18:11	0°♄		
	9206 May 05 16:39	0°♂			9208 Nov 30 06:01	0°♄		
	9206 May 31 14:31	0°♂		morning set	9208 Dec 17 00:49	20°♄40'07		
evening max el	9206 Jun 25 21:08	27°♂02'26	46°35'19		9208 Dec 24 14:17	0°♄		
	9206 Jun 28 20:58	0°♅			9209 Jan 17 20:07	0°♄		
greatest brilliancy	9206 Aug 03 21:16	26°♅57'52	-4.8m	max. Earth dist.	9209 Jan 20 23:40	3°♄54'11	1.72565 AU	
retrograde	9206 Aug 15 00:21	29°♅15'20						
desc. node	9206 Aug 19 00:38	28°♅55'42		superior conj	9209 Jan 23 12:02	7°♄01'19	0°24'31	
evening set	9206 Aug 30 04:18	24°♅44'46		minimum elong	9209 Jan 23 17:35	7°♄18'33	0°24'29	
min. Earth dist.	9206 Sep 04 13:15	21°♅32'56	0.28270 AU	desc. node	9209 Feb 02 17:51	19°♄44'14		
inferior conj	9206 Sep 05 07:28	21°♅04'40	-4°06'39		9209 Feb 10 23:58	0°♄		
minimum elong	9206 Sep 04 23:06	21°♅17'39	4°04'27	evening rise	9209 Mar 03 11:58	25°♄31'58		
morning rise	9206 Sep 10 18:32	17°♅48'08			9209 Mar 07 01:53	0°♁		
direct	9206 Sep 26 11:48	13°♅02'58			9209 Mar 31 02:18	0°♄		
greatest brilliancy	9206 Oct 06 04:34	14°♅45'22	-4.7m		9209 Apr 24 02:45	0°♂		
	9206 Oct 30 21:46	0°♂			9209 May 18 06:05	0°♂		
morning max el	9206 Nov 14 05:49	12°♂49'50	45°41'46	asc. node	9209 May 26 15:41	10°♂22'10		
	9206 Dec 01 06:01	0°♄			9209 Jun 11 16:00	0°♂		
asc. node	9206 Dec 09 23:47	9°♄22'09			9209 Jul 06 13:36	0°♅		
	9206 Dec 28 10:52	0°♄			9209 Aug 01 08:18	0°♂		
	9207 Jan 23 03:20	0°♄			9209 Aug 29 00:51	0°♄		
	9207 Feb 17 01:14	0°♄		evening max el	9209 Sep 04 18:18	6°♄42'30	45°53'42	
	9207 Mar 13 12:24	0°♄		desc. node	9209 Sep 15 11:48	16°♄40'28		
desc. node	9207 Mar 31 17:01	22°♄32'40			9209 Oct 02 23:35	0°♄		
	9207 Apr 06 16:44	0°♁		greatest brilliancy	9209 Oct 13 14:22	5°♄15'41	-4.7m	
	9207 Apr 30 16:41	0°♄		retrograde	9209 Oct 23 20:03	7°♄09'17		
morning set	9207 May 16 02:24	19°♄19'33		evening set	9209 Nov 11 03:24	0°♄53'39		
	9207 May 24 14:23	0°♂			9209 Nov 12 14:08	30°♅♄		
	9207 Jun 17 12:01	0°♂		inferior conj	9209 Nov 14 08:57	28°♄52'42	-8°37'02	
				minimum elong	9209 Nov 14 10:50	28°♄49'44	8°36'46	
superior conj	9207 Jun 25 03:38	9°♄35'19	-1°00'35	min. Earth dist.	9209 Nov 14 12:07	28°♄47'42	0.29132 AU	
minimum elong	9207 Jun 25 15:05	10°♄11'09	1°00'27	morning rise	9209 Nov 17 18:16	26°♄46'02		
max. Earth dist.	9207 Jun 28 00:27	13°♄10'44	1.71648 AU	direct	9209 Dec 05 22:07	20°♄35'13		
	9207 Jul 11 11:23	0°♂		greatest brilliancy	9209 Dec 16 11:07	22°♄36'28	-4.8m	
asc. node	9207 Jul 22 13:30	13°♂49'30			9209 Dec 30 03:01	0°♄		
evening rise	9207 Aug 03 15:38	28°♂51'34		asc. node	9210 Jan 06 11:18	5°♄29'12		
	9207 Aug 04 13:41	0°♅		morning max el	9210 Jan 24 06:14	21°♄31'37	46°01'38	
	9207 Aug 28 19:36	0°♂			9210 Feb 01 15:24	0°♄		
	9207 Sep 22 06:12	0°♄			9210 Feb 28 23:45	0°♄		
	9207 Oct 16 23:24	0°♄			9210 Mar 26 14:24	0°♄		
desc. node	9207 Nov 11 08:12	0°♄18'06			9210 Apr 20 09:52	0°♁		
	9207 Nov 11 02:05	0°♄		desc. node	9210 Apr 28 05:36	9°♁35'02		
	9207 Dec 06 18:17	0°♄			9210 May 14 18:58	0°♄		
	9208 Jan 02 08:21	0°♄			9210 Jun 07 22:38	0°♂		
evening max el	9208 Jan 29 10:40	28°♄27'11	46°24'55		9210 Jul 02 00:23	0°♂		

	9210 Jul 26 02:39	0°♎	evening set	9213 Jan 17 21:30	10°♊49'50	
morning set	9210 Jul 29 01:26	3°♎40'04	inferior conj	9213 Jan 23 18:36	7°♊20'01	-2°30'58
asc. node	9210 Aug 19 01:48	29°♎45'35	minimum elong	9213 Jan 24 00:08	7°♊11'27	2°29'04
	9210 Aug 19 06:27	0°♏	min. Earth dist.	9213 Jan 24 11:12	6°♊54'19	0.27920 AU
			morning rise	9213 Jan 30 02:02	3°♊34'29	
superior conj	9210 Sep 05 08:15	21°♏09'12 0°40'16	asc. node	9213 Feb 02 22:45	1°♊40'04	
minimum elong	9210 Sep 05 00:12	20°♏44'17 0°39'50		9213 Feb 07 18:25	30°♋♊	
max. Earth dist.	9210 Sep 07 10:36	23°♏44'54 1.72835 AU	direct	9213 Feb 13 21:29	29°♊13'42	
	9210 Sep 12 11:53	0°♌		9213 Feb 20 05:02	0°♊	
	9210 Oct 06 18:57	0°♌	greatest brilliancy	9213 Feb 24 22:02	1°♊29'22	-4.8m
evening rise	9210 Oct 12 04:54	6°♌40'20		9213 Apr 03 10:18	0°♋	
	9210 Oct 31 04:14	0°♌	morning max el	9213 Apr 05 06:05	1°♋49'13	46°46'42
	9210 Nov 24 16:45	0°♋		9213 May 01 11:12	0°♌	
desc. node	9210 Dec 08 19:44	17°♋11'18	desc. node	9213 May 25 18:00	28°♌08'12	
	9210 Dec 19 09:14	0°♋		9213 May 27 07:46	0°♌	
	9211 Jan 13 06:04	0°♋		9213 Jun 21 07:33	0°♌	
	9211 Feb 07 08:42	0°♌		9213 Jul 15 22:18	0°♌	
	9211 Mar 04 22:55	0°♌		9213 Aug 09 09:40	0°♌	
asc. node	9211 Mar 31 19:02	0°♌01'26		9213 Sep 02 19:58	0°♌	
	9211 Mar 31 18:30	0°♌	asc. node	9213 Sep 15 14:29	15°♌41'50	
evening max el	9211 Apr 12 08:38	12°♌04'25 46°56'53		9213 Sep 27 05:35	0°♌	
	9211 May 01 18:25	0°♌	morning set	9213 Oct 07 04:59	12°♌16'33	
greatest brilliancy	9211 May 22 22:46	13°♌06'55 -4.9m		9213 Oct 21 14:15	0°♌	
retrograde	9211 Jun 01 20:27	14°♌58'20				
evening set	9211 Jun 18 09:13	9°♌41'19	superior conj	9213 Nov 12 21:48	27°♌30'46	1°25'50
inferior conj	9211 Jun 22 15:31	7°♌06'53 6°40'14	minimum elong	9213 Nov 12 23:06	27°♌34'46	1°26'05
minimum elong	9211 Jun 23 02:35	6°♌49'50 6°37'30	max. Earth dist.	9213 Nov 12 18:01	27°♌19'06	1.73273 AU
min. Earth dist.	9211 Jun 22 18:34	7°♌02'10 0.27209 AU		9213 Nov 14 22:12	0°♌	
morning rise	9211 Jun 27 20:03	4°♌00'52		9213 Dec 09 06:03	0°♋	
	9211 Jul 07 12:39	30°♋♌	evening rise	9213 Dec 19 21:15	13°♋06'36	
direct	9211 Jul 13 08:30	29°♌18'50		9214 Jan 02 14:15	0°♋	
	9211 Jul 19 08:27	0°♌	desc. node	9214 Jan 05 07:36	3°♋21'18	
desc. node	9211 Jul 21 15:13	0°♌35'56		9214 Jan 26 22:39	0°♋	
greatest brilliancy	9211 Jul 23 05:57	1°♌07'29 -4.8m		9214 Feb 20 07:04	0°♌	
	9211 Aug 31 09:42	0°♌		9214 Mar 16 16:25	0°♋	
morning max el	9211 Aug 31 22:33	0°♌31'13 46°12'19		9214 Apr 10 05:57	0°♌	
	9211 Sep 29 04:20	0°♏	asc. node	9214 Apr 28 06:09	21°♌40'59	
	9211 Oct 25 19:26	0°♌		9214 May 05 06:17	0°♌	
asc. node	9211 Nov 11 13:34	19°♌30'29		9214 May 31 06:39	0°♌	
	9211 Nov 20 10:53	0°♌	evening max el	9214 Jun 23 13:05	24°♌48'00	46°36'48
	9211 Dec 15 11:44	0°♌		9214 Jun 28 20:25	0°♏	
	9212 Jan 09 02:51	0°♋	greatest brilliancy	9214 Aug 01 12:40	24°♏43'06	-4.8m
	9212 Feb 02 11:30	0°♋	retrograde	9214 Aug 12 16:25	27°♏00'44	
morning set	9212 Feb 26 20:20	0°♋14'38	desc. node	9214 Aug 18 02:43	26°♏24'41	
	9212 Feb 26 15:38	0°♋	evening set	9214 Aug 27 18:02	22°♏32'41	
desc. node	9212 Mar 02 06:21	5°♋44'53	min. Earth dist.	9214 Sep 02 04:10	19°♏19'05	0.28216 AU
	9212 Mar 21 16:15	0°♌	inferior conj	9214 Sep 02 22:30	18°♏50'39	-3°47'44
max. Earth dist.	9212 Apr 04 19:15	17°♏42'22 1.71414 AU	minimum elong	9214 Sep 02 14:37	19°♏02'52	3°45'37
			morning rise	9214 Sep 08 11:56	15°♏31'07	
superior conj	9212 Apr 07 03:16	20°♏38'07 -1°13'43	direct	9214 Sep 24 02:59	10°♏49'52	
minimum elong	9212 Apr 06 16:22	20°♏03'57 1°13'31	greatest brilliancy	9214 Oct 03 18:18	12°♏31'27	-4.7m
	9212 Apr 14 14:15	0°♋		9214 Oct 31 03:50	0°♌	
	9212 May 08 11:08	0°♌	morning max el	9214 Nov 11 21:16	10°♌38'59	45°42'00
evening rise	9212 May 17 12:59	11°♌24'02		9214 Nov 30 23:05	0°♌	
	9212 Jun 01 08:59	0°♌	asc. node	9214 Dec 09 01:37	8°♌44'32	
asc. node	9212 Jun 23 03:21	27°♌10'15		9214 Dec 28 00:31	0°♌	
	9212 Jun 25 09:57	0°♌		9215 Jan 22 15:34	0°♋	
	9212 Jul 19 15:59	0°♏		9215 Feb 16 12:46	0°♋	
	9212 Aug 13 05:30	0°♌		9215 Mar 12 23:34	0°♋	
	9212 Sep 07 06:37	0°♌	desc. node	9215 Mar 30 19:01	22°♋04'36	
	9212 Oct 03 03:23	0°♌		9215 Apr 06 03:43	0°♌	
desc. node	9212 Oct 12 22:52	11°♌00'06		9215 Apr 30 03:33	0°♋	
	9212 Oct 30 13:52	0°♋	morning set	9215 May 13 13:12	16°♋48'57	
evening max el	9212 Nov 14 20:55	15°♋20'38 45°46'58		9215 May 24 01:09	0°♌	
	9212 Dec 01 10:23	0°♋		9215 Jun 16 22:41	0°♌	
greatest brilliancy	9212 Dec 24 03:39	13°♋36'56 -4.8m				
retrograde	9213 Jan 02 17:25	15°♋17'33	superior conj	9215 Jun 22 15:40	7°♋09'16	-1°03'19

minimum elong	9215 Jun 23 03:11	7°☿45'20	1°03'12	greatest brilliancy	9217 Dec 14 02:59	20°♄26'43	-4.7m
max. Earth dist.	9215 Jun 25 13:32	10°☿48'03	1.71608 AU		9217 Dec 30 20:11	0°♄	
	9215 Jul 10 22:00	0°♄		asc. node	9218 Jan 05 13:18	4°♄27'32	
asc. node	9215 Jul 21 15:26	13°♄22'24		morning max el	9218 Jan 21 20:51	19°♄16'25	46°00'23
evening rise	9215 Aug 01 05:55	26°♄33'51			9218 Feb 01 10:06	0°♄	
	9215 Aug 04 00:19	0°♄			9218 Feb 28 14:16	0°♄	
	9215 Aug 28 06:21	0°♄			9218 Mar 26 03:14	0°♄	
	9215 Sep 21 17:09	0°♄			9218 Apr 19 21:52	0°♄	
	9215 Oct 16 10:46	0°♄		desc. node	9218 Apr 27 07:31	9°♄04'37	
desc. node	9215 Nov 10 10:07	29°♄48'00			9218 May 14 06:29	0°♄	
	9215 Nov 10 14:11	0°♄			9218 Jun 07 09:51	0°♄	
	9215 Dec 06 07:44	0°♄			9218 Jul 01 11:24	0°♄	
	9216 Jan 02 00:35	0°♄			9218 Jul 25 13:30	0°♄	
evening max el	9216 Jan 27 00:40	26°♄07'33	46°23'10	morning set	9218 Jul 26 15:46	1°♄21'43	
	9216 Jan 31 00:37	0°♄		asc. node	9218 Aug 18 03:51	29°♄18'41	
asc. node	9216 Mar 02 10:02	24°♄05'08			9218 Aug 18 17:11	0°♄	
greatest brilliancy	9216 Mar 06 23:38	26°♄00'23	-4.9m				
retrograde	9216 Mar 16 20:33	27°♄49'26		superior conj	9218 Sep 03 00:09	18°♄56'56	0°37'12
evening set	9216 Apr 02 00:02	22°♄44'47		minimum elong	9218 Sep 02 16:32	18°♄33'23	0°36'46
inferior conj	9216 Apr 06 12:06	20°♄01'54	7°40'59	max. Earth dist.	9218 Sep 05 01:45	21°♄30'25	1.72798 AU
minimum elong	9216 Apr 06 01:45	20°♄17'52	7°39'04		9218 Sep 11 22:31	0°♄	
min. Earth dist.	9216 Apr 06 07:47	20°♄08'34	0.27122 AU		9218 Oct 06 05:34	0°♄	
morning rise	9216 Apr 10 03:28	17°♄49'12		evening rise	9218 Oct 09 22:09	4°♄32'51	
direct	9216 Apr 27 05:26	12°♄12'21			9218 Oct 30 14:59	0°♄	
greatest brilliancy	9216 May 06 21:45	13°♄58'50	-4.9m		9218 Nov 24 03:47	0°♄	
	9216 May 31 16:48	0°♄		desc. node	9218 Dec 07 21:39	16°♄42'57	
morning max el	9216 Jun 16 16:10	14°♄59'53	46°55'09		9218 Dec 18 20:43	0°♄	
desc. node	9216 Jun 22 05:46	20°♄41'03			9219 Jan 12 18:12	0°♄	
	9216 Jul 01 00:50	0°♄			9219 Feb 06 21:51	0°♄	
	9216 Jul 27 19:05	0°♄			9219 Mar 04 13:55	0°♄	
	9216 Aug 22 10:49	0°♄		asc. node	9219 Mar 30 21:01	29°♄15'37	
	9216 Sep 16 15:10	0°♄			9219 Mar 31 13:43	0°♄	
	9216 Oct 11 12:49	0°♄		evening max el	9219 Apr 09 21:20	9°♄38'56	46°56'37
asc. node	9216 Oct 13 03:01	1°♄55'38			9219 May 02 08:10	0°♄	
	9216 Nov 05 05:03	0°♄		greatest brilliancy	9219 May 20 12:58	10°♄43'48	-4.9m
	9216 Nov 29 16:39	0°♄		retrograde	9219 May 30 09:59	12°♄34'58	
morning set	9216 Dec 14 17:50	18°♄32'01		evening set	9219 Jun 16 01:59	7°♄12'37	
	9216 Dec 24 00:49	0°♄		inferior conj	9219 Jun 20 04:46	4°♄43'35	6°56'20
	9217 Jan 17 06:39	0°♄		minimum elong	9219 Jun 20 15:46	4°♄26'39	6°53'43
max. Earth dist.	9217 Jan 18 14:55	1°♄40'01	1.72603 AU	min. Earth dist.	9219 Jun 20 08:13	4°♄38'17	0.27203 AU
				morning rise	9219 Jun 25 05:38	1°♄42'56	
superior conj	9217 Jan 21 03:14	4°♄46'56	0°27'51		9219 Jun 28 12:11	30°♄	
minimum elong	9217 Jan 21 09:26	5°♄06'10	0°27'49	direct	9219 Jul 10 21:15	26°♄55'16	
desc. node	9217 Feb 01 19:52	19°♄17'37		desc. node	9219 Jul 20 17:21	28°♄42'58	
	9217 Feb 10 10:36	0°♄		greatest brilliancy	9219 Jul 20 19:13	28°♄44'37	-4.8m
evening rise	9217 Mar 01 01:35	23°♄11'20			9219 Jul 23 22:54	0°♄	
	9217 Mar 06 12:39	0°♄		morning max el	9219 Aug 29 13:12	28°♄13'36	46°13'59
	9217 Mar 30 13:14	0°♄			9219 Aug 31 08:35	0°♄	
	9217 Apr 23 13:57	0°♄			9219 Sep 28 20:22	0°♄	
	9217 May 17 17:38	0°♄			9219 Oct 25 08:53	0°♄	
asc. node	9217 May 25 17:31	9°♄51'50		asc. node	9219 Nov 10 15:28	18°♄59'09	
	9217 Jun 11 04:05	0°♄			9219 Nov 19 23:03	0°♄	
	9217 Jul 06 02:36	0°♄			9219 Dec 14 23:13	0°♄	
	9217 Jul 31 23:10	0°♄			9220 Jan 08 13:58	0°♄	
	9217 Aug 28 20:42	0°♄			9220 Feb 01 22:27	0°♄	
evening max el	9217 Sep 02 08:33	4°♄27'13	45°54'49	morning set	9220 Feb 24 09:29	27°♄52'18	
desc. node	9217 Sep 14 13:50	15°♄44'15			9220 Feb 26 02:31	0°♄	
	9217 Oct 04 09:05	0°♄		desc. node	9220 Mar 01 08:20	5°♄17'08	
greatest brilliancy	9217 Oct 11 05:54	3°♄06'01	-4.7m		9220 Mar 21 03:07	0°♄	
retrograde	9217 Oct 21 11:43	5°♄00'17		max. Earth dist.	9220 Apr 02 06:48	15°♄13'53	1.71439 AU
	9217 Nov 06 16:31	30°♄					
evening set	9217 Nov 08 19:31	28°♄44'33		superior conj	9220 Apr 04 14:51	18°♄09'43	-1°11'32
inferior conj	9217 Nov 12 01:15	26°♄43'25	-8°38'29	minimum elong	9220 Apr 04 03:37	17°♄34'29	1°11'16
minimum elong	9217 Nov 12 02:20	26°♄41'42	8°38'14		9220 Apr 14 01:07	0°♄	
min. Earth dist.	9217 Nov 12 03:35	26°♄39'43	0.29139 AU		9220 May 07 22:02	0°♄	
morning rise	9217 Nov 15 09:07	24°♄38'52		evening rise	9220 May 15 00:04	8°♄53'56	
direct	9217 Dec 03 13:46	18°♄25'54			9220 May 31 19:58	0°♄	

asc. node	9220 Jun 22 05:20	26°  41'56		9222 Dec 27 14:26	0° 	
	9220 Jun 24 21:04	0° 		9223 Jan 22 04:06	0° 	
	9220 Jul 19 03:21	0° 		9223 Feb 16 00:35	0° 	
	9220 Aug 12 17:19	0° 		9223 Mar 12 11:01	0° 	
	9220 Sep 06 19:17	0° 		desc. node	9223 Mar 29 20:50	21°  35'05
	9220 Oct 02 17:42	0° 			9223 Apr 05 14:59	0° 
desc. node	9220 Oct 12 00:47	10°  23'05			9223 Apr 29 14:42	0° 
	9220 Oct 30 08:12	0° 		morning set	9223 May 10 23:58	14°  17'17
evening max el	9220 Nov 12 12:33	13°  09'02	45°46'29		9223 May 23 12:13	0° 
	9220 Dec 01 22:07	0° 			9223 Jun 16 09:41	0° 
greatest brilliancy	9220 Dec 21 17:31	11°  20'56	-4.8m			
retrograde	9220 Dec 31 08:10	13°  01'49		superior conj	9223 Jun 20 03:47	4°  42'23 -1°05'56
evening set	9221 Jan 15 14:13	8°  30'57		minimum elong	9223 Jun 20 15:16	5°  18'20 1°05'50
inferior conj	9221 Jan 21 09:20	5°  03'26	-2°51'42	max. Earth dist.	9223 Jun 23 00:41	8°  18'12 1.71568 AU
minimum elong	9221 Jan 21 15:32	4°  53'49	2°49'38		9223 Jul 10 08:58	0° 
min. Earth dist.	9221 Jan 22 02:05	4°  37'27	0.27973 AU	asc. node	9223 Jul 20 17:28	12°  15'43'7
morning rise	9221 Jan 27 16:13	1°  18'40		evening rise	9223 Jul 29 20:08	24°  14'52
	9221 Jan 30 05:34	30°  13'30			9223 Aug 03 11:17	0° 
asc. node	9221 Feb 02 00:50	28°  34'7'30			9223 Aug 27 17:24	0° 
direct	9221 Feb 11 13:22	26°  35'6'31			9223 Sep 21 04:25	0° 
greatest brilliancy	9221 Feb 22 13:19	29°  31'2'01	-4.8m		9223 Oct 15 22:28	0° 
	9221 Feb 24 11:10	0° 		desc. node	9223 Nov 09 12:02	29°  16'47
morning max el	9221 Apr 02 21:55	29°  32'50	46°45'23		9223 Nov 10 02:41	0° 
	9221 Apr 03 08:43	0° 			9223 Dec 05 21:43	0° 
	9221 May 01 03:18	0° 			9224 Jan 01 17:35	0° 
desc. node	9221 May 24 19:51	27°  32'33		evening max el	9224 Jan 24 13:56	23°  14'50'8 46°21'31
	9221 May 26 21:33	0° 			9224 Jan 31 02:22	0° 
	9221 Jun 20 20:09	0° 		asc. node	9224 Mar 01 11:59	22°  3'23'06
	9221 Jul 15 10:12	0° 		greatest brilliancy	9224 Mar 04 13:09	23°  36'01 -4.9m
	9221 Aug 08 21:05	0° 		retrograde	9224 Mar 14 08:50	25°  3'24'10
	9221 Sep 02 07:03	0° 		evening set	9224 Mar 30 08:50	20°  3'25'46
asc. node	9221 Sep 14 16:21	15°  13'48		inferior conj	9224 Apr 04 01:10	17°  36'53 7°27'15
	9221 Sep 26 16:27	0° 		minimum elong	9224 Apr 03 14:30	17°  3'53'20 7°25'09
morning set	9221 Oct 04 21:51	10°  12'07'28		min. Earth dist.	9224 Apr 03 21:25	17°  3'42'40 0.27126 AU
	9221 Oct 21 01:01	0° 		morning rise	9224 Apr 07 20:07	15°  3'18'40
				direct	9224 Apr 24 18:03	9°  3'46'55
superior conj	9221 Nov 10 15:18	25°  12'23'36	1°26'01	greatest brilliancy	9224 May 04 12:19	11°  3'34'37 -4.9m
minimum elong	9221 Nov 10 15:53	25°  12'25'23	1°26'14		9224 Jun 01 00:25	0° 
max. Earth dist.	9221 Nov 10 14:49	25°  12'22'05	1.73275 AU	morning max el	9224 Jun 14 04:29	12°  3'32'25 46°55'51
	9221 Nov 14 08:56	0° 		desc. node	9224 Jun 21 07:52	19°  3'52'16
	9221 Dec 08 16:50	0° 			9224 Jun 30 19:23	0° 
evening rise	9221 Dec 17 13:28	10°  3'55'14			9224 Jul 27 09:59	0° 
	9222 Jan 02 01:11	0° 			9224 Aug 21 23:59	0° 
desc. node	9222 Jan 04 09:36	2°  53'40			9224 Sep 16 03:20	0° 
	9222 Jan 26 09:52	0° 			9224 Oct 11 00:21	0° 
	9222 Feb 19 18:39	0° 		asc. node	9224 Oct 12 04:55	1°  12'26'35
	9222 Mar 16 04:31	0° 			9224 Nov 04 16:10	0° 
	9222 Apr 09 18:47	0° 			9224 Nov 29 03:32	0° 
asc. node	9222 Apr 27 08:03	21°  12'05'58		morning set	9224 Dec 12 10:53	16°  3'12'23'06
	9222 May 04 20:23	0° 			9224 Dec 23 11:38	0° 
	9222 May 30 23:23	0° 		max. Earth dist.	9225 Jan 16 07:12	29°  3'28'04 1.72645 AU
evening max el	9222 Jun 21 05:05	22°  12'32'41	46°38'16		9225 Jan 16 17:30	0° 
	9222 Jun 28 21:22	0° 				
greatest brilliancy	9222 Jul 30 04:45	22°  12'28'27	-4.8m	superior conj	9225 Jan 18 18:24	2°  53'31'30 0°31'09
retrograde	9222 Aug 10 08:12	24°  12'45'22		minimum elong	9225 Jan 19 01:13	2°  53'52'38 0°31'06
desc. node	9222 Aug 17 04:39	23°  12'48'04		desc. node	9225 Jan 31 21:51	18°  53'44'49'53
evening set	9222 Aug 25 08:06	20°  12'19'51			9225 Feb 09 21:33	0° 
min. Earth dist.	9222 Aug 30 19:30	17°  12'04'15	0.28161 AU	evening rise	9225 Feb 26 15:08	20°  3'14'49'36
inferior conj	9222 Aug 31 13:38	16°  12'36'05	-3°28'27		9225 Mar 05 23:44	0° 
minimum elong	9222 Aug 31 06:18	16°  12'47'28	3°26'28		9225 Mar 30 00:28	0° 
morning rise	9222 Sep 06 05:18	13°  12'13'29			9225 Apr 23 01:25	0° 
direct	9222 Sep 21 18:09	8°  12'36'18			9225 May 17 05:27	0° 
greatest brilliancy	9222 Oct 01 08:21	10°  12'17'00	-4.7m	asc. node	9225 May 24 19:34	9°  12'21'20
	9222 Oct 31 08:16	0° 			9225 Jun 10 16:28	0° 
morning max el	9222 Nov 09 12:02	8°  12'25'29	45°42'08		9225 Jul 05 15:59	0° 
	9222 Nov 30 16:11	0° 			9225 Jul 31 14:32	0° 
asc. node	9222 Dec 08 03:38	8°  12'06'38			9225 Aug 28 17:32	0° 

evening max el	9225 Aug 30 22:59	2° \mathbb{M} 11'32	45°56'03	morning set	9228 Feb 21 22:56	25° \approx 31'11	
desc. node	9225 Sep 13 15:46	14° \mathbb{M} 45'46			9228 Feb 25 13:20	0° \mathbb{H}	
	9225 Oct 06 12:50	0° \mathbb{X}		desc. node	9228 Feb 29 10:10	4° \mathbb{H} 49'08	
greatest brilliancy	9225 Oct 08 20:50	0° \mathbb{X} 55'00	-4.7m		9228 Mar 20 13:56	0° \mathbb{Y}	
retrograde	9225 Oct 19 03:49	2° \mathbb{X} 50'49		max. Earth dist.	9228 Mar 30 17:22	12° \mathbb{Y} 42'28	1.71470 AU
	9225 Oct 31 04:35	30° $\mathbb{R}\mathbb{M}$					
evening set	9225 Nov 06 11:17	26° \mathbb{M} 35'18		superior conj	9228 Apr 02 02:22	15° \mathbb{Y} 41'13	-1°09'11
inferior conj	9225 Nov 09 17:33	24° \mathbb{M} 33'34	-8°39'07	minimum elong	9228 Apr 01 14:54	15° \mathbb{Y} 05'13	1°08'53
minimum elong	9225 Nov 09 17:51	24° \mathbb{M} 33'06	8°38'53		9228 Apr 13 11:59	0° \mathbb{B}	
min. Earth dist.	9225 Nov 09 18:51	24° \mathbb{M} 31'30	0.29144 AU		9228 May 07 08:59	0° \mathbb{I}	
morning rise	9225 Nov 13 00:23	22° \mathbb{M} 30'45		evening rise	9228 May 12 10:47	6° \mathbb{I} 22'33	
direct	9225 Dec 01 05:27	16° \mathbb{M} 16'00			9228 May 31 06:59	0° \mathbb{G}	
greatest brilliancy	9225 Dec 11 18:47	18° \mathbb{M} 16'40	-4.7m	asc. node	9228 Jun 21 07:19	26° \mathbb{G} 13'34	
	9225 Dec 31 09:08	0° \mathbb{X}			9228 Jun 24 08:11	0° \mathbb{Q}	
asc. node	9226 Jan 04 15:21	3° \mathbb{X} 26'56			9228 Jul 18 14:43	0° \mathbb{M}	
morning max el	9226 Jan 19 12:15	17° \mathbb{X} 02'47	45°59'03		9228 Aug 12 05:08	0° \mathbb{L}	
	9226 Feb 01 04:33	0° \mathbb{Z}			9228 Sep 06 07:58	0° \mathbb{M}	
	9226 Feb 28 04:51	0° \approx			9228 Oct 02 08:09	0° \mathbb{X}	
	9226 Mar 25 16:16	0° \mathbb{H}		desc. node	9228 Oct 11 02:45	9° \mathbb{X} 46'02	
	9226 Apr 19 10:04	0° \mathbb{Y}			9228 Oct 30 02:57	0° \mathbb{Z}	
desc. node	9226 Apr 26 09:28	8° \mathbb{Y} 33'37		evening max el	9228 Nov 10 04:27	10° \mathbb{Z} 58'14	45°46'00
	9226 May 13 18:11	0° \mathbb{B}			9228 Dec 02 13:41	0° \approx	
	9226 Jun 06 21:13	0° \mathbb{I}		greatest brilliancy	9228 Dec 19 07:51	9° \approx 06'02	-4.8m
	9226 Jun 30 22:33	0° \mathbb{G}		retrograde	9228 Dec 28 22:38	10° \approx 46'35	
morning set	9226 Jul 24 05:54	29° \mathbb{G} 02'09		evening set	9229 Jan 13 07:08	6° \approx 12'44	
	9226 Jul 25 00:29	0° \mathbb{Q}		inferior conj	9229 Jan 19 00:07	2° \approx 47'40	-3°12'08
asc. node	9226 Aug 17 05:41	28° \mathbb{Q} 50'40		minimum elong	9229 Jan 19 06:57	2° \approx 37'02	3°09'53
	9226 Aug 18 04:03	0° \mathbb{M}		min. Earth dist.	9229 Jan 19 17:05	2° \approx 21'16	0.28022 AU
					9229 Jan 23 14:21	30° $\mathbb{R}\mathbb{Z}$	
superior conj	9226 Aug 31 15:51	16° \mathbb{M} 43'30	0°34'03	morning rise	9229 Jan 25 06:12	29° \mathbb{Z} 03'45	
minimum elong	9226 Aug 31 08:44	16° \mathbb{M} 21'26	0°33'38	asc. node	9229 Feb 01 02:40	26° \mathbb{Z} 00'31	
max. Earth dist.	9226 Sep 02 17:09	19° \mathbb{M} 16'07	1.72766 AU	direct	9229 Feb 09 05:06	24° \mathbb{Z} 40'21	
	9226 Sep 11 09:19	0° \mathbb{L}		greatest brilliancy	9229 Feb 20 04:25	26° \mathbb{Z} 55'13	-4.8m
	9226 Oct 05 16:22	0° \mathbb{M}			9229 Feb 26 14:34	0° \approx	
evening rise	9226 Oct 07 15:25	2° \mathbb{M} 24'53		morning max el	9229 Mar 31 12:48	27° \approx 14'48	46°43'57
	9226 Oct 30 01:54	0° \mathbb{X}			9229 Apr 03 06:01	0° \mathbb{H}	
	9226 Nov 23 14:58	0° \mathbb{Z}			9229 Apr 30 18:56	0° \mathbb{Y}	
desc. node	9226 Dec 06 23:44	16° \mathbb{Z} 14'48		desc. node	9229 May 23 21:55	26° \mathbb{Y} 58'08	
	9226 Dec 18 08:20	0° \approx			9229 May 26 11:04	0° \mathbb{B}	
	9227 Jan 12 06:30	0° \mathbb{H}			9229 Jun 20 08:36	0° \mathbb{I}	
	9227 Feb 06 11:15	0° \mathbb{Y}			9229 Jul 14 21:58	0° \mathbb{G}	
	9227 Mar 04 05:19	0° \mathbb{B}			9229 Aug 08 08:22	0° \mathbb{Q}	
asc. node	9227 Mar 29 22:55	28° \mathbb{B} 28'09			9229 Sep 01 17:59	0° \mathbb{M}	
	9227 Mar 31 09:48	0° \mathbb{I}		asc. node	9229 Sep 13 18:15	14° \mathbb{M} 46'26	
evening max el	9227 Apr 07 11:04	7° \mathbb{I} 15'21	46°56'16		9229 Sep 26 03:08	0° \mathbb{L}	
	9227 May 03 03:08	0° \mathbb{G}		morning set	9229 Oct 02 14:28	7° \mathbb{L} 58'07	
greatest brilliancy	9227 May 18 02:26	8° \mathbb{G} 18'55	-4.9m		9229 Oct 20 11:35	0° \mathbb{M}	
retrograde	9227 May 27 23:45	10° \mathbb{G} 10'22					
evening set	9227 Jun 13 18:38	4° \mathbb{G} 42'37		superior conj	9229 Nov 08 08:42	23° \mathbb{M} 16'47	1°26'03
inferior conj	9227 Jun 17 17:47	2° \mathbb{G} 19'03	7°11'47	minimum elong	9229 Nov 08 08:33	23° \mathbb{M} 16'17	1°26'17
minimum elong	9227 Jun 18 04:41	2° \mathbb{G} 02'19	7°09'18	max. Earth dist.	9229 Nov 08 10:16	23° \mathbb{M} 21'34	1.73276 AU
min. Earth dist.	9227 Jun 17 21:15	2° \mathbb{G} 13'44	0.27196 AU		9229 Nov 13 19:29	0° \mathbb{X}	
	9227 Jun 21 13:53	30° $\mathbb{R}\mathbb{I}$			9229 Dec 08 03:27	0° \mathbb{Z}	
morning rise	9227 Jun 22 14:47	29° \mathbb{I} 24'11		evening rise	9229 Dec 15 05:42	8° \mathbb{Z} 44'29	
direct	9227 Jul 08 10:21	24° \mathbb{I} 30'44			9230 Jan 01 11:57	0° \approx	
greatest brilliancy	9227 Jul 18 07:38	26° \mathbb{I} 20'06	-4.8m	desc. node	9230 Jan 03 11:33	2° \approx 26'27	
desc. node	9227 Jul 19 19:18	26° \mathbb{I} 53'31			9230 Jan 25 20:52	0° \mathbb{H}	
	9227 Jul 26 05:42	0° \mathbb{G}			9230 Feb 19 06:00	0° \mathbb{Y}	
morning max el	9227 Aug 27 04:17	25° \mathbb{G} 56'49	46°15'35		9230 Mar 15 16:21	0° \mathbb{B}	
	9227 Aug 31 06:37	0° \mathbb{Q}			9230 Apr 09 07:23	0° \mathbb{I}	
	9227 Sep 28 12:09	0° \mathbb{M}		asc. node	9230 Apr 26 10:06	20° \mathbb{I} 32'09	
	9227 Oct 24 22:14	0° \mathbb{L}			9230 May 04 10:19	0° \mathbb{G}	
asc. node	9227 Nov 09 17:26	18° \mathbb{L} 28'03			9230 May 30 16:12	0° \mathbb{Q}	
	9227 Nov 19 11:10	0° \mathbb{M}		evening max el	9230 Jun 18 20:21	20° \mathbb{Q} 15'55	46°39'29
	9227 Dec 14 10:39	0° \mathbb{X}			9230 Jun 28 23:29	0° \mathbb{M}	
	9228 Jan 08 01:03	0° \mathbb{Z}		greatest brilliancy	9230 Jul 27 21:15	20° \mathbb{M} 14'16	-4.8m
	9228 Feb 01 09:21	0° \approx		retrograde	9230 Aug 07 23:17	22° \mathbb{M} 29'47	

desc. node	9230 Aug 16 06:35	21° \cap 06'07		desc. node	9233 Jan 30 23:41	18° \approx 22'50	
evening set	9230 Aug 22 22:09	18° \cap 06'37			9233 Feb 09 08:09	0° H	
min. Earth dist.	9230 Aug 28 11:06	14° \cap 48'46	0.28107 AU	evening rise	9233 Feb 24 04:47	18° H 29'26	
inferior conj	9230 Aug 29 04:36	14° \cap 21'32	-3°08'33		9233 Mar 05 10:28	0° Y	
minimum elong	9230 Aug 28 21:52	14° \cap 32'00	3°06'43		9233 Mar 29 11:23	0° B	
morning rise	9230 Sep 03 22:21	10° \cap 55'51			9233 Apr 22 12:32	0° II	
direct	9230 Sep 19 08:41	6° \cap 22'42			9233 May 16 16:53	0° E	
greatest brilliancy	9230 Sep 28 22:51	8° \cap 03'05	-4.8m	asc. node	9233 May 23 21:33	8° E 51'55	
	9230 Oct 31 10:44	0° E			9233 Jun 10 04:27	0° O	
morning max el	9230 Nov 07 01:48	6° E 10'06	45°42'23		9233 Jul 05 04:55	0° \cap	
	9230 Nov 30 08:38	0° M			9233 Jul 31 05:34	0° E	
asc. node	9230 Dec 07 05:40	7° M 29'56		evening max el	9233 Aug 28 14:08	29° E 59'05	45°57'12
	9230 Dec 27 03:55	0° A			9233 Aug 28 14:31	0° M	
	9231 Jan 21 16:15	0° B		desc. node	9233 Sep 12 17:47	13° M 47'24	
	9231 Feb 15 12:04	0° \approx		greatest brilliancy	9233 Oct 06 11:12	28° M 44'36	-4.7m
	9231 Mar 11 22:08	0° H			9233 Oct 10 17:15	0° A	
desc. node	9231 Mar 28 22:50	21° H 07'15		retrograde	9233 Oct 16 20:22	0° A 42'35	
	9231 Apr 05 01:53	0° Y			9233 Oct 22 19:25	30° R M	
	9231 Apr 29 01:27	0° B		evening set	9233 Nov 04 02:42	24° M 27'42	
morning set	9231 May 08 11:01	11° B 47'45		inferior conj	9233 Nov 07 09:52	22° M 24'48	-8°38'53
	9231 May 22 22:52	0° II		minimum elong	9233 Nov 07 09:24	22° M 25'33	8°38'40
	9231 Jun 15 20:17	0° E		min. Earth dist.	9233 Nov 07 09:51	22° M 24'50	0.29150 AU
				morning rise	9233 Nov 10 16:05	20° M 23'11	
superior conj	9231 Jun 17 16:06	2° E 17'21	-1°08'24	direct	9233 Nov 28 21:44	14° M 07'15	
minimum elong	9231 Jun 18 03:26	2° E 52'53	1°08'20	greatest brilliancy	9233 Dec 09 10:20	16° M 07'33	-4.7m
max. Earth dist.	9231 Jun 20 10:02	5° E 43'57	1.71533 AU		9233 Dec 31 18:13	0° A	
	9231 Jul 09 19:34	0° O		asc. node	9234 Jan 03 17:13	2° A 28'19	
asc. node	9231 Jul 19 19:19	12° O 27'24		morning max el	9234 Jan 17 04:25	14° A 52'14	45°57'43
evening rise	9231 Jul 27 10:12	21° O 56'20			9234 Jan 31 22:10	0° B	
	9231 Aug 02 21:55	0° \cap			9234 Feb 27 18:55	0° \approx	
	9231 Aug 27 04:08	0° E			9234 Mar 25 04:51	0° H	
	9231 Sep 20 15:23	0° M			9234 Apr 18 21:53	0° Y	
	9231 Oct 15 09:53	0° A		desc. node	9234 Apr 25 11:27	8° Y 03'46	
desc. node	9231 Nov 08 14:07	28° A 46'56			9234 May 13 05:32	0° B	
	9231 Nov 09 14:56	0° B			9234 Jun 06 08:15	0° II	
	9231 Dec 05 11:31	0° \approx			9234 Jun 30 09:21	0° E	
	9232 Jan 01 10:34	0° H		morning set	9234 Jul 21 20:21	26° E 44'39	
evening max el	9232 Jan 22 02:41	21° H 22'35	46°19'55		9234 Jul 24 11:06	0° O	
	9232 Jan 31 05:10	0° Y		asc. node	9234 Aug 16 07:38	28° O 24'11	
asc. node	9232 Feb 29 13:58	20° Y 38'08			9234 Aug 17 14:31	0° \cap	
greatest brilliancy	9232 Mar 02 02:27	21° Y 12'26	-4.8m				
retrograde	9232 Mar 11 21:16	23° Y 00'18		superior conj	9234 Aug 29 07:50	14° \cap 32'03	0°30'52
evening set	9232 Mar 27 17:42	18° Y 07'31		minimum elong	9234 Aug 29 01:15	14° \cap 11'40	0°30'28
inferior conj	9232 Apr 01 14:12	15° Y 13'05	7°12'36	max. Earth dist.	9234 Aug 31 11:27	17° \cap 11'53	1.72732 AU
minimum elong	9232 Apr 01 03:19	15° Y 29'52	7°10'21		9234 Sep 10 19:43	0° E	
min. Earth dist.	9232 Apr 01 11:03	15° Y 17'58	0.27130 AU	evening rise	9234 Oct 05 09:00	0° M 19'05	
morning rise	9232 Apr 05 12:47	12° Y 49'34			9234 Oct 05 02:49	0° M	
direct	9232 Apr 22 06:40	7° Y 22'34			9234 Oct 29 12:31	0° A	
greatest brilliancy	9232 May 02 02:58	9° Y 11'59	-4.9m		9234 Nov 23 01:52	0° B	
	9232 Jun 01 05:11	0° B		desc. node	9234 Dec 06 01:36	15° B 46'48	
morning max el	9232 Jun 11 17:20	10° B 07'48	46°56'44		9234 Dec 17 19:42	0° \approx	
desc. node	9232 Jun 20 09:49	19° B 05'23			9235 Jan 11 18:35	0° H	
	9232 Jun 30 12:55	0° II			9235 Feb 06 00:30	0° Y	
	9232 Jul 27 00:09	0° E			9235 Mar 03 20:41	0° B	
	9232 Aug 21 12:34	0° O		asc. node	9235 Mar 29 01:00	27° B 41'10	
	9232 Sep 15 15:02	0° \cap			9235 Mar 31 06:15	0° II	
	9232 Oct 10 11:28	0° E		evening max el	9235 Apr 05 01:32	4° II 54'29	46°55'48
asc. node	9232 Oct 11 06:56	0° E 59'03			9235 May 04 04:28	0° E	
	9232 Nov 04 02:54	0° M		greatest brilliancy	9235 May 15 15:46	5° E 54'41	-4.9m
	9232 Nov 28 14:04	0° A		retrograde	9235 May 25 13:41	7° E 46'18	
morning set	9232 Dec 10 03:47	14° A 14'56		evening set	9235 Jun 11 11:21	2° E 13'23	
	9232 Dec 22 22:05	0° B		inferior conj	9235 Jun 15 06:49	29° II 55'07	7°26'26
max. Earth dist.	9233 Jan 14 01:37	27° B 23'57	1.72686 AU	minimum elong	9235 Jun 15 17:30	29° II 38'42	7°24'06
					9235 Jun 15 03:38	30° R II	
superior conj	9233 Jan 16 09:30	0° \approx 17'04	0°34'24	min. Earth dist.	9235 Jun 15 10:05	29° II 50'06	0.27186 AU
minimum elong	9233 Jan 16 16:52	0° \approx 39'56	0°34'19	morning rise	9235 Jun 19 23:45	27° II 06'13	
	9233 Jan 16 03:59	0° \approx		direct	9235 Jul 05 23:51	22° II 07'02	

greatest brilliancy	9235 Jul 15 19:40	23°II55'42	-4.8m	desc. node	9238 Jan 02 13:28	1°≈58'59	
desc. node	9235 Jul 18 21:12	25°II08'50			9238 Jan 25 08:00	0°✠	
	9235 Jul 27 17:00	0°☾			9238 Feb 18 17:33	0°Υ	
morning max el	9235 Aug 24 19:12	23°☾40'21	46°17'19		9238 Mar 15 04:26	0°♄	
	9235 Aug 31 03:29	0°♁			9238 Apr 08 20:16	0°II	
	9235 Sep 28 03:20	0°♎		asc. node	9238 Apr 25 12:04	19°II57'10	
	9235 Oct 24 11:09	0°♊			9238 May 04 00:37	0°☾	
asc. node	9235 Nov 08 19:25	17°♊58'00			9238 May 30 09:37	0°♁	
	9235 Nov 18 22:58	0°♌		evening max el	9238 Jun 16 10:29	17°♁55'32	46°40'45
	9235 Dec 13 21:52	0°♍			9238 Jun 29 03:30	0°♎	
	9236 Jan 07 11:58	0°♎		greatest brilliancy	9238 Jul 25 13:51	17°♎59'14	-4.8m
	9236 Jan 31 20:07	0°≈		retrograde	9238 Aug 05 14:00	20°♎13'26	
morning set	9236 Feb 19 12:30	23°≈10'50		desc. node	9238 Aug 15 08:41	18°♎18'09	
	9236 Feb 25 00:02	0°✠		evening set	9238 Aug 20 12:18	15°♎52'02	
desc. node	9236 Feb 28 12:11	4°✠22'04		min. Earth dist.	9238 Aug 26 02:55	12°♎32'00	0.28054 AU
	9236 Mar 20 00:38	0°Υ		inferior conj	9238 Aug 26 19:31	12°♎06'09	-2°48'19
max. Earth dist.	9236 Mar 28 01:53	10°Υ05'07	1.71500 AU	minimum elong	9238 Aug 26 13:25	12°♎15'39	2°46'38
				morning rise	9238 Sep 01 15:14	8°♎37'32	
superior conj	9236 Mar 30 13:56	13°Υ13'19	-1°06'42	direct	9238 Sep 16 22:42	4°♎07'59	
minimum elong	9236 Mar 30 02:19	12°Υ36'54	1°06'23	greatest brilliancy	9238 Sep 26 13:54	5°♎48'50	-4.8m
	9236 Apr 12 22:44	0°♄			9238 Oct 31 12:03	0°♊	
	9236 May 06 19:49	0°II		morning max el	9238 Nov 04 15:29	3°♊53'49	45°42'56
evening rise	9236 May 09 21:30	3°II51'27			9238 Nov 30 00:58	0°♌	
	9236 May 30 17:55	0°☾		asc. node	9238 Dec 06 07:30	6°♌52'28	
asc. node	9236 Jun 20 09:11	25°☾45'02			9238 Dec 26 17:25	0°♍	
	9236 Jun 23 19:16	0°♁			9239 Jan 21 04:30	0°♎	
	9236 Jul 18 02:02	0°♎			9239 Feb 14 23:43	0°≈	
	9236 Aug 11 16:55	0°♊			9239 Mar 11 09:28	0°✠	
	9236 Sep 05 20:37	0°♌		desc. node	9239 Mar 28 00:50	20°✠38'31	
	9236 Oct 01 22:36	0°♍			9239 Apr 04 13:04	0°Υ	
desc. node	9236 Oct 10 04:51	9°♍09'31			9239 Apr 28 12:33	0°♄	
	9236 Oct 29 22:01	0°♎		morning set	9239 May 05 21:35	9°♄15'29	
evening max el	9236 Nov 07 19:41	8°♎46'23	45°45'24		9239 May 22 09:53	0°II	
	9236 Dec 03 10:22	0°≈					
greatest brilliancy	9236 Dec 16 22:45	6°≈52'28	-4.8m	superior conj	9239 Jun 15 03:57	29°II49'41	-1°10'45
retrograde	9236 Dec 26 12:43	8°≈32'08		minimum elong	9239 Jun 15 15:04	0°☾24'35	1°10'44
evening set	9237 Jan 11 00:20	3°≈55'04			9239 Jun 15 07:14	0°☾	
inferior conj	9237 Jan 16 15:06	0°≈32'41	-3°32'01	max. Earth dist.	9239 Jun 17 16:37	2°☾59'54	1.71498 AU
minimum elong	9237 Jan 16 22:31	0°≈21'08	3°29'38		9239 Jul 09 06:30	0°♁	
min. Earth dist.	9237 Jan 17 08:33	0°≈05'30	0.28075 AU	asc. node	9239 Jul 18 21:16	11°♁59'25	
	9237 Jan 17 12:05	30°♋♎		evening rise	9239 Jul 24 23:52	19°♁35'33	
morning rise	9237 Jan 22 20:08	26°♎49'40			9239 Aug 02 08:54	0°♎	
asc. node	9237 Jan 31 04:43	23°♎18'48			9239 Aug 26 15:14	0°♊	
direct	9237 Feb 06 20:39	22°♎24'46			9239 Sep 20 02:44	0°♌	
greatest brilliancy	9237 Feb 17 20:13	24°♎39'26	-4.8m		9239 Oct 14 21:41	0°♍	
	9237 Feb 28 00:16	0°≈		desc. node	9239 Nov 07 16:01	28°♍15'29	
morning max el	9237 Mar 29 02:54	24°≈54'32	46°42'30		9239 Nov 09 03:35	0°♎	
	9237 Apr 03 02:39	0°✠			9239 Dec 05 01:44	0°≈	
	9237 Apr 30 10:24	0°Υ			9240 Jan 01 04:11	0°✠	
desc. node	9237 May 22 23:52	26°Υ23'27		evening max el	9240 Jan 19 15:45	19°✠00'30	46°18'24
	9237 May 26 00:31	0°♄			9240 Jan 31 09:56	0°Υ	
	9237 Jun 19 21:00	0°II		greatest brilliancy	9240 Feb 28 15:06	18°Υ47'46	-4.8m
	9237 Jul 14 09:43	0°☾		asc. node	9240 Feb 28 16:00	18°Υ48'33	
	9237 Aug 07 19:40	0°♁		retrograde	9240 Mar 09 10:13	20°Υ36'13	
	9237 Sep 01 04:58	0°♎		evening set	9240 Mar 25 02:50	15°Υ48'25	
asc. node	9237 Sep 12 20:17	14°♎19'16		inferior conj	9240 Mar 30 03:22	12°Υ48'37	6°57'07
	9237 Sep 25 13:53	0°♊		minimum elong	9240 Mar 29 16:19	13°Υ05'36	6°54'44
morning set	9237 Sep 30 07:18	5°♊49'13		min. Earth dist.	9240 Mar 30 00:26	12°Υ53'07	0.27141 AU
	9237 Oct 19 22:12	0°♌		morning rise	9240 Apr 03 05:38	10°Υ19'58	
				direct	9240 Apr 19 19:52	4°Υ57'28	
superior conj	9237 Nov 06 02:33	21°♌11'13	1°25'58	greatest brilliancy	9240 Apr 29 17:28	6°Υ48'18	-4.9m
minimum elong	9237 Nov 06 01:40	21°♌08'31	1°26'12		9240 Jun 01 08:43	0°♄	
max. Earth dist.	9237 Nov 06 04:47	21°♌18'08	1.73272 AU	morning max el	9240 Jun 09 07:19	7°♄44'40	46°57'21
	9237 Nov 13 06:03	0°♍		desc. node	9240 Jun 19 11:43	18°♄17'34	
	9237 Dec 07 14:06	0°♎			9240 Jun 30 06:36	0°II	
evening rise	9237 Dec 12 22:23	6°♎35'06			9240 Jul 26 14:42	0°☾	
	9237 Dec 31 22:47	0°≈			9240 Aug 21 01:34	0°♁	

	9240 Sep 15 03:07	0°♎			9243 May 05 16:36	0°♎	
	9240 Oct 09 22:58	0°♎		greatest brilliancy	9243 May 13 05:20	3°♎30'29	-4.9m
asc. node	9240 Oct 10 08:50	0°♎29'55		retrograde	9243 May 23 03:24	5°♎21'46	
	9240 Nov 03 14:02	0°♎			9243 Jun 08 17:15	30°♎II	
	9240 Nov 28 01:00	0°♎		evening set	9243 Jun 09 04:11	29°♎43'59	
morning set	9240 Dec 07 20:55	12°♎06'13		inferior conj	9243 Jun 12 19:59	27°♎30'50	7°40'09
	9240 Dec 22 08:56	0°♎		minimum elong	9243 Jun 13 06:22	27°♎14'53	7°38'01
max. Earth dist.	9241 Jan 11 21:17	25°♎22'33	1.72719 AU	min. Earth dist.	9243 Jun 12 22:58	27°♎26'15	0.27179 AU
				morning rise	9243 Jun 17 08:41	24°♎47'53	
superior conj	9241 Jan 14 01:01	28°♎02'47	0°37'34	direct	9243 Jul 03 13:30	19°♎43'05	
minimum elong	9241 Jan 14 08:53	28°♎27'11	0°37'28	greatest brilliancy	9243 Jul 13 07:50	21°♎30'40	-4.8m
	9241 Jan 15 14:51	0°♎		desc. node	9243 Jul 17 23:19	23°♎27'38	
desc. node	9241 Jan 30 01:44	17°♎55'29			9243 Jul 28 18:26	0°♎	
	9241 Feb 08 19:04	0°♎		morning max el	9243 Aug 22 09:16	21°♎20'36	46°18'45
evening rise	9241 Feb 21 18:54	16°♎09'46			9243 Aug 31 00:04	0°♎	
	9241 Mar 04 21:32	0°♎			9243 Sep 27 18:45	0°♎	
	9241 Mar 28 22:37	0°♎			9243 Oct 24 00:25	0°♎	
	9241 Apr 22 00:03	0°♎		asc. node	9243 Nov 07 21:18	17°♎26'30	
	9241 May 16 04:49	0°♎			9243 Nov 18 11:07	0°♎	
asc. node	9241 May 22 23:25	8°♎20'32			9243 Dec 13 09:25	0°♎	
	9241 Jun 09 17:00	0°♎			9244 Jan 06 23:10	0°♎	
	9241 Jul 04 18:33	0°♎			9244 Jan 31 07:09	0°♎	
	9241 Jul 30 21:28	0°♎		morning set	9244 Feb 17 02:03	20°♎49'35	
evening max el	9241 Aug 26 05:55	27°♎46'20	45°58'30		9244 Feb 24 11:01	0°♎	
	9241 Aug 28 13:05	0°♎		desc. node	9244 Feb 27 14:09	3°♎53'59	
desc. node	9241 Sep 11 19:49	12°♎45'49			9244 Mar 19 11:36	0°♎	
greatest brilliancy	9241 Oct 04 01:13	26°♎31'58	-4.7m	max. Earth dist.	9244 Mar 25 08:11	7°♎20'08	1.71528 AU
retrograde	9241 Oct 14 13:01	28°♎32'08					
evening set	9241 Nov 01 17:39	22°♎18'32		superior conj	9244 Mar 28 01:42	10°♎45'24	-1°04'07
inferior conj	9241 Nov 05 01:59	20°♎13'53	-8°38'03	minimum elong	9244 Mar 27 14:03	10°♎08'52	1°03'45
minimum elong	9241 Nov 05 00:43	20°♎15'52	8°37'49		9244 Apr 12 09:43	0°♎	
min. Earth dist.	9241 Nov 05 00:18	20°♎16'32	0.29149 AU		9244 May 06 06:49	0°♎	
morning rise	9241 Nov 08 07:49	18°♎13'02		evening rise	9244 May 07 08:28	1°♎20'32	
direct	9241 Nov 26 14:13	11°♎56'37			9244 May 30 04:59	0°♎	
greatest brilliancy	9241 Dec 07 01:02	13°♎55'45	-4.7m	asc. node	9244 Jun 19 11:12	25°♎16'30	
	9242 Jan 01 01:25	0°♎			9244 Jun 23 06:29	0°♎	
asc. node	9242 Jan 02 19:15	1°♎29'52			9244 Jul 17 13:32	0°♎	
morning max el	9242 Jan 14 20:47	12°♎40'56	45°56'33		9244 Aug 11 04:56	0°♎	
	9242 Jan 31 15:52	0°♎			9244 Sep 05 09:36	0°♎	
	9242 Feb 27 09:13	0°♎			9244 Oct 01 13:33	0°♎	
	9242 Mar 24 17:42	0°♎		desc. node	9244 Oct 09 06:44	8°♎31'07	
	9242 Apr 18 09:58	0°♎			9244 Oct 29 18:04	0°♎	
desc. node	9242 Apr 24 13:21	7°♎32'52		evening max el	9244 Nov 05 09:54	6°♎31'06	45°44'54
	9242 May 12 17:11	0°♎			9244 Dec 04 15:36	0°♎	
	9242 Jun 05 19:38	0°♎		greatest brilliancy	9244 Dec 14 13:56	4°♎38'14	-4.8m
	9242 Jun 29 20:33	0°♎		retrograde	9244 Dec 24 02:28	6°♎16'57	
morning set	9242 Jul 19 10:24	24°♎24'31		evening set	9245 Jan 08 17:30	1°♎36'18	
	9242 Jul 23 22:10	0°♎			9245 Jan 11 11:21	30°♎♎	
asc. node	9242 Aug 15 09:40	27°♎56'35		inferior conj	9245 Jan 14 06:01	28°♎17'00	-3°51'26
	9242 Aug 17 01:27	0°♎		minimum elong	9245 Jan 14 13:58	28°♎04'36	3°48'58
				min. Earth dist.	9245 Jan 15 00:09	27°♎48'43	0.28128 AU
superior conj	9242 Aug 26 23:14	12°♎17'13	0°27'36	morning rise	9245 Jan 20 09:48	24°♎35'12	
minimum elong	9242 Aug 26 17:15	11°♎58'41	0°27'12	asc. node	9245 Jan 30 06:45	20°♎41'09	
max. Earth dist.	9242 Aug 29 06:10	15°♎07'24	1.72697 AU	direct	9245 Feb 04 11:39	20°♎08'20	
	9242 Sep 10 06:35	0°♎		greatest brilliancy	9245 Feb 15 12:23	22°♎23'30	-4.8m
evening rise	9242 Oct 03 02:06	28°♎10'17			9245 Mar 01 00:36	0°♎	
	9242 Oct 04 13:43	0°♎		morning max el	9245 Mar 26 16:23	22°♎32'15	46°41'08
	9242 Oct 28 23:34	0°♎			9245 Apr 02 22:49	0°♎	
	9242 Nov 22 13:14	0°♎			9245 Apr 30 01:46	0°♎	
desc. node	9242 Dec 05 03:33	15°♎17'39		desc. node	9245 May 22 01:44	25°♎48'29	
	9242 Dec 17 07:32	0°♎			9245 May 25 13:57	0°♎	
	9243 Jan 11 07:08	0°♎			9245 Jun 19 09:23	0°♎	
	9243 Feb 05 14:13	0°♎			9245 Jul 13 21:26	0°♎	
	9243 Mar 03 12:37	0°♎			9245 Aug 07 06:55	0°♎	
asc. node	9243 Mar 28 02:58	26°♎52'25			9245 Aug 31 15:55	0°♎	
	9243 Mar 31 03:42	0°♎		asc. node	9245 Sep 11 22:08	13°♎51'31	
evening max el	9243 Apr 02 16:12	2°♎33'28	46°55'20		9245 Sep 25 00:40	0°♎	

morning set	9245 Sep 28 00:01	3°♌39'46		min. Earth dist.	9248 Mar 27 13:28	10°♍28'52	0.27151 AU
	9245 Oct 19 08:53	0°♌		morning rise	9248 Mar 31 22:20	7°♍50'40	
				direct	9248 Apr 17 09:23	2°♍32'51	
superior conj	9245 Nov 03 20:10	19°♌04'45	1°25'46	greatest brilliancy	9248 Apr 27 07:15	4°♍24'24	-4.9m
minimum elong	9245 Nov 03 18:35	18°♌59'52	1°25'59		9248 Jun 01 10:26	0°♌	
max. Earth dist.	9245 Nov 03 21:20	19°♌08'21	1.73274 AU	morning max el	9248 Jun 06 21:51	5°♌23'46	46°57'53
	9245 Nov 12 16:43	0°♌		desc. node	9248 Jun 18 13:50	17°♌31'52	
	9245 Dec 07 00:50	0°♌			9248 Jun 29 23:36	0°♌	
evening rise	9245 Dec 10 14:46	4°♌24'34			9248 Jul 26 04:45	0°♌	
	9245 Dec 31 09:42	0°♌			9248 Aug 20 14:10	0°♌	
desc. node	9246 Jan 01 15:28	1°♌31'31			9248 Sep 14 14:48	0°♌	
	9246 Jan 24 19:12	0°♌		asc. node	9248 Oct 09 10:45	0°♌02'05	
	9246 Feb 18 05:09	0°♌			9248 Oct 09 10:04	0°♌	
	9246 Mar 14 16:35	0°♌			9248 Nov 03 00:46	0°♌	
	9246 Apr 08 09:14	0°♌			9248 Nov 27 11:32	0°♌	
asc. node	9246 Apr 24 13:58	19°♌21'47		morning set	9248 Dec 05 14:16	9°♌59'26	
	9246 May 03 15:04	0°♌			9248 Dec 21 19:26	0°♌	
	9246 May 30 03:20	0°♌		max. Earth dist.	9249 Jan 09 16:27	23°♌20'37	1.72757 AU
evening max el	9246 Jun 14 00:04	15°♌34'04	46°42'10				
	9246 Jun 29 09:14	0°♌		superior conj	9249 Jan 11 16:33	25°♌49'34	0°40'39
greatest brilliancy	9246 Jul 23 06:13	15°♌44'32	-4.8m	minimum elong	9249 Jan 12 00:53	26°♌15'21	0°40'34
retrograde	9246 Aug 03 05:00	17°♌58'07			9249 Jan 15 01:24	0°♌	
desc. node	9246 Aug 14 10:36	15°♌26'44		desc. node	9249 Jan 29 03:41	17°♌28'38	
evening set	9246 Aug 18 02:44	13°♌37'50			9249 Feb 08 05:45	0°♌	
inferior conj	9246 Aug 24 10:34	9°♌51'38	-2°27'51	evening rise	9249 Feb 19 08:47	13°♌50'11	
minimum elong	9246 Aug 24 05:08	10°♌00'04	2°26'20		9249 Mar 04 08:20	0°♌	
min. Earth dist.	9246 Aug 23 18:47	10°♌16'09	0.28005 AU		9249 Mar 28 09:37	0°♌	
morning rise	9246 Aug 30 08:09	6°♌20'27			9249 Apr 21 11:19	0°♌	
direct	9246 Sep 14 12:40	1°♌53'57			9249 May 15 16:28	0°♌	
greatest brilliancy	9246 Sep 24 05:18	3°♌35'48	-4.8m	asc. node	9249 May 22 01:28	7°♌50'41	
	9246 Oct 31 11:54	0°♌			9249 Jun 09 05:16	0°♌	
morning max el	9246 Nov 02 05:45	1°♌39'20	45°43'22		9249 Jul 04 07:55	0°♌	
	9246 Nov 29 16:54	0°♌			9249 Jul 30 13:12	0°♌	
asc. node	9246 Dec 05 09:32	6°♌16'07		evening max el	9249 Aug 23 22:24	25°♌36'33	45°59'53
	9246 Dec 26 06:46	0°♌			9249 Aug 28 12:04	0°♌	
	9247 Jan 20 16:40	0°♌		desc. node	9249 Sep 10 21:45	11°♌44'00	
	9247 Feb 14 11:16	0°♌		greatest brilliancy	9249 Oct 01 15:57	24°♌21'54	-4.7m
	9247 Mar 10 20:42	0°♌		retrograde	9249 Oct 12 05:50	26°♌23'29	
desc. node	9247 Mar 27 02:40	20°♌09'44		evening set	9249 Oct 30 08:34	20°♌11'59	
	9247 Apr 04 00:06	0°♌		inferior conj	9249 Nov 02 18:17	18°♌05'03	-8°36'32
	9247 Apr 27 23:28	0°♌		minimum elong	9249 Nov 02 16:16	18°♌08'13	8°36'16
morning set	9247 May 03 08:00	6°♌43'15		min. Earth dist.	9249 Nov 02 14:52	18°♌10'25	0.29142 AU
	9247 May 21 20:44	0°♌		morning rise	9249 Nov 06 00:02	16°♌04'22	
				direct	9249 Nov 24 07:00	9°♌48'22	
superior conj	9247 Jun 12 15:46	27°♌22'23	-1°13'00	greatest brilliancy	9249 Dec 04 15:16	11°♌45'27	-4.7m
minimum elong	9247 Jun 13 02:36	27°♌56'23	1°12'59		9250 Jan 01 05:40	0°♌	
	9247 Jun 14 18:02	0°♌		asc. node	9250 Jan 01 21:17	0°♌34'23	
max. Earth dist.	9247 Jun 14 22:19	0°♌13'29	1.71465 AU	morning max el	9250 Jan 12 12:45	10°♌30'20	45°55'09
	9247 Jul 08 17:15	0°♌			9250 Jan 31 08:39	0°♌	
asc. node	9247 Jul 17 23:17	11°♌32'17			9250 Feb 26 22:59	0°♌	
evening rise	9247 Jul 22 13:38	17°♌15'40			9250 Mar 24 06:09	0°♌	
	9247 Aug 01 19:40	0°♌			9250 Apr 17 21:43	0°♌	
	9247 Aug 26 02:05	0°♌		desc. node	9250 Apr 23 15:19	7°♌03'05	
	9247 Sep 19 13:49	0°♌			9250 May 12 04:30	0°♌	
	9247 Oct 14 09:15	0°♌			9250 Jun 05 06:40	0°♌	
desc. node	9247 Nov 06 17:58	27°♌44'44			9250 Jun 29 07:23	0°♌	
	9247 Nov 08 16:04	0°♌		morning set	9250 Jul 17 00:18	22°♌05'04	
	9247 Dec 04 15:55	0°♌			9250 Jul 23 08:49	0°♌	
	9247 Dec 31 22:04	0°♌		asc. node	9250 Aug 14 11:29	27°♌29'30	
evening max el	9248 Jan 17 05:39	16°♌41'02	46°16'52		9250 Aug 16 11:59	0°♌	
	9248 Jan 31 16:40	0°♌					
greatest brilliancy	9248 Feb 26 03:20	16°♌23'01	-4.8m	superior conj	9250 Aug 24 14:34	10°♌03'23	0°24'16
asc. node	9248 Feb 27 17:56	16°♌54'43		minimum elong	9250 Aug 24 09:14	9°♌46'50	0°23'53
retrograde	9248 Mar 06 23:42	18°♌12'22		max. Earth dist.	9250 Aug 27 01:33	13°♌06'10	1.72659 AU
evening set	9248 Mar 22 12:06	13°♌29'22			9250 Sep 09 17:04	0°♌	
inferior conj	9248 Mar 27 16:23	10°♌24'22	6°40'55	evening rise	9250 Sep 30 19:19	26°♌03'00	
minimum elong	9248 Mar 27 05:17	10°♌41'26	6°38'24		9250 Oct 04 00:14	0°♌	

	9250 Oct 28 10:13	0°♊			9253 Apr 02 17:52	0°♋		
	9250 Nov 22 00:08	0°♌			9253 Apr 29 16:34	0°♍		
desc. node	9250 Dec 04 05:37	14°♌50'18		desc. node	9253 May 21 03:48	25°♍15'08		
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	9251 Feb 05 03:39	0°♑			9253 Jul 13 08:59	0°♑		
	9251 Mar 03 04:29	0°♒			9253 Aug 06 18:04	0°♒		
asc. node	9251 Mar 27 04:53	26°♒03'22			9253 Aug 31 02:45	0°♓		
	9251 Mar 31 01:43	0°♓		asc. node	9253 Sep 11 00:04	13°♓24'30		
evening max el	9251 Mar 31 06:08	0°♓11'06	46°54'30		9253 Sep 24 11:16	0°♈		
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greatest brilliancy	9251 May 10 19:20	1°♈06'47	-4.9m		9253 Oct 18 19:22	0°♉		
retrograde	9251 May 20 16:22	2°♈56'52						
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inferior conj	9251 Jun 10 08:54	25°♉06'30	7°53'13	max. Earth dist.	9253 Nov 01 14:56	17°♉02'23	1.73273 AU	
minimum elong	9251 Jun 10 18:53	24°♉51'07	7°51'15		9253 Nov 12 03:11	0°♊		
min. Earth dist.	9251 Jun 10 11:55	25°♉01'52	0.27170 AU		9253 Dec 06 11:23	0°♋		
morning rise	9251 Jun 14 17:09	22°♉29'39		evening rise	9253 Dec 08 07:20	2°♋15'19		
direct	9251 Jul 01 02:24	17°♉19'05			9253 Dec 30 20:26	0°♌		
greatest brilliancy	9251 Jul 10 20:07	19°♉05'53	-4.8m		9253 Dec 31 17:23	1°♌04'25		
desc. node	9251 Jul 17 01:15	21°♉50'12		desc. node	9254 Jan 24 06:13	0°♍		
	9251 Jul 29 12:54	0°♍			9254 Feb 17 16:32	0°♎		
morning max el	9251 Aug 19 22:12	18°♍58'41	46°20'22		9254 Mar 14 04:31	0°♏		
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	9251 Sep 27 09:33	0°♑		asc. node	9254 Apr 23 16:02	18°♐47'23		
	9251 Oct 23 13:11	0°♒			9254 May 03 05:28	0°♑		
asc. node	9251 Nov 06 23:17	16°♒56'36			9254 May 29 21:22	0°♒		
	9251 Nov 17 22:49	0°♓		evening max el	9254 Jun 11 13:46	13°♒13'01	46°43'19	
	9251 Dec 12 20:31	0°♊			9254 Jun 29 17:26	0°♓		
	9252 Jan 06 09:56	0°♋		greatest brilliancy	9254 Jul 20 21:50	13°♓28'03	-4.8m	
	9252 Jan 30 17:45	0°♌		retrograde	9254 Jul 31 20:07	15°♓41'39		
morning set	9252 Feb 14 16:05	18°♌31'12		desc. node	9254 Aug 13 12:32	12°♓29'29		
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desc. node	9252 Feb 26 16:00	3°♍26'51		min. Earth dist.	9254 Aug 21 10:10	7°♓59'06	0.27957 AU	
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max. Earth dist.	9252 Mar 22 15:20	4°♎39'02	1.71568 AU	minimum elong	9254 Aug 21 20:31	7°♓43'03	2°05'24	
				morning rise	9254 Aug 28 00:39	4°♓02'24		
superior conj	9252 Mar 25 13:42	8°♎19'23	-1°01'26		9254 Sep 07 20:16	30°♓♒		
minimum elong	9252 Mar 25 02:05	7°♎43'00	1°01'01	direct	9254 Sep 12 02:29	29°♓38'29		
	9252 Apr 11 20:24	0°♏			9254 Sep 16 11:05	0°♓		
evening rise	9252 May 04 19:15	28°♏49'52		greatest brilliancy	9254 Sep 21 20:11	1°♓21'23	-4.8m	
	9252 May 05 17:35	0°♐		morning max el	9254 Oct 30 20:37	29°♓26'10	45°44'01	
	9252 May 29 15:51	0°♑			9254 Oct 31 10:45	0°♈		
asc. node	9252 Jun 18 13:10	24°♑48'28			9254 Nov 29 08:31	0°♉		
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	9252 Jul 17 00:50	0°♓			9254 Dec 25 19:53	0°♊		
	9252 Aug 10 16:45	0°♈			9255 Jan 20 04:39	0°♋		
	9252 Sep 04 22:23	0°♉			9255 Feb 13 22:41	0°♌		
	9252 Oct 01 04:21	0°♊			9255 Mar 10 07:48	0°♍		
desc. node	9252 Oct 08 08:44	7°♊53'36		desc. node	9255 Mar 26 04:40	19°♍41'51		
	9252 Oct 29 14:20	0°♋			9255 Apr 03 11:01	0°♎		
evening max el	9252 Nov 02 23:42	4°♋15'56	45°44'37		9255 Apr 27 10:16	0°♏		
	9252 Dec 06 08:45	0°♌		morning set	9255 Apr 30 18:58	4°♏13'12		
greatest brilliancy	9252 Dec 12 05:16	2°♌25'53	-4.8m		9255 May 21 07:27	0°♐		
retrograde	9252 Dec 21 16:48	4°♌04'07						
	9253 Jan 05 05:18	30°♌♌		superior conj	9255 Jun 10 03:49	24°♌56'00	-1°15'04	
evening set	9253 Jan 06 11:03	29°♌19'25		minimum elong	9255 Jun 10 14:16	25°♌28'47	1°15'05	
inferior conj	9253 Jan 11 21:16	26°♌03'29	-4°10'19	max. Earth dist.	9255 Jun 12 06:42	27°♌35'40	1.71442 AU	
minimum elong	9253 Jan 12 05:41	25°♌50'21	4°07'45		9255 Jun 14 04:44	0°♍		
min. Earth dist.	9253 Jan 12 16:02	25°♌34'12	0.28180 AU		9255 Jul 08 03:59	0°♎		
morning rise	9253 Jan 17 23:37	22°♌23'23		asc. node	9255 Jul 17 01:08	11°♎04'36		
asc. node	9253 Jan 29 08:36	18°♌11'00		evening rise	9255 Jul 20 03:18	14°♎55'29		
direct	9253 Feb 02 02:40	17°♌53'59			9255 Aug 01 06:27	0°♏		
greatest brilliancy	9253 Feb 13 05:00	20°♌10'10	-4.8m		9255 Aug 25 13:00	0°♐		
	9253 Mar 01 17:40	0°♑			9255 Sep 19 01:00	0°♑		
morning max el	9253 Mar 24 06:32	20°♑13'06	46°39'43		9255 Oct 13 20:58	0°♒		




























































































































desc. node	9255 Nov 05 20:02	27°♊13'57			9258 Jun 28 18:28	0°♋	
	9255 Nov 08 04:43	0°♌		morning set	9258 Jul 14 14:25	19°♋45'21	
	9255 Dec 04 06:21	0°♍			9258 Jul 22 19:44	0°♎	
	9255 Dec 31 16:27	0°♎		asc. node	9258 Aug 13 13:27	27°♎02'08	
evening max el	9256 Jan 14 20:26	14°♎23'54	46°15'26		9258 Aug 15 22:46	0°♏	
	9256 Feb 01 01:59	0°♐					
greatest brilliancy	9256 Feb 23 15:39	13°♐58'40	-4.8m	superior conj	9258 Aug 22 06:06	7°♏49'21	0°20'54
asc. node	9256 Feb 26 19:56	14°♐56'31		minimum elong	9258 Aug 22 01:27	7°♏34'55	0°20'33
retrograde	9256 Mar 04 13:20	15°♐48'37		max. Earth dist.	9258 Aug 24 20:54	11°♏04'00	1.72619 AU
evening set	9256 Mar 19 21:44	11°♐10'25			9258 Sep 09 03:48	0°♐	
inferior conj	9256 Mar 25 05:29	8°♐00'22	6°23'58	evening rise	9258 Sep 28 12:35	23°♐55'00	
minimum elong	9256 Mar 24 18:25	8°♐17'21	6°21'22		9258 Oct 03 11:02	0°♑	
min. Earth dist.	9256 Mar 25 02:31	8°♐04'56	0.27157 AU		9258 Oct 27 21:13	0°♒	
morning rise	9256 Mar 29 15:02	5°♐21'34			9258 Nov 21 11:28	0°♓	
direct	9256 Apr 14 23:18	0°♐08'42		desc. node	9258 Dec 03 07:28	14°♓20'57	
greatest brilliancy	9256 Apr 24 20:39	2°♐00'11	-4.9m		9258 Dec 16 06:44	0°♈	
	9256 Jun 01 10:47	0°♉			9259 Jan 10 07:55	0°♉	
morning max el	9256 Jun 04 12:22	3°♉03'03	46°58'22		9259 Feb 04 17:38	0°♐	
desc. node	9256 Jun 17 15:44	16°♉46'23			9259 Mar 02 21:01	0°♑	
	9256 Jun 29 16:14	0°♊		asc. node	9259 Mar 26 06:57	25°♑12'49	
	9256 Jul 25 18:42	0°♋		evening max el	9259 Mar 28 18:58	27°♑44'56	46°53'44
	9256 Aug 20 02:45	0°♌			9259 Mar 31 01:07	0°♊	
	9256 Sep 14 02:36	0°♍		greatest brilliancy	9259 May 08 09:49	28°♊42'33	-4.9m
asc. node	9256 Oct 08 12:45	29°♍33'56			9259 May 13 01:15	0°♋	
	9256 Oct 08 21:20	0°♎		retrograde	9259 May 18 04:58	0°♋31'06	
	9256 Nov 02 11:42	0°♏			9259 May 23 05:56	30°♌♊	
	9256 Nov 26 22:17	0°♐		evening set	9259 Jun 04 13:18	24°♊44'04	
morning set	9256 Dec 03 07:20	7°♐51'08		inferior conj	9259 Jun 07 21:52	22°♊41'17	8°05'21
	9256 Dec 21 06:07	0°♑		minimum elong	9259 Jun 08 07:23	22°♊26'36	8°03'35
max. Earth dist.	9257 Jan 07 10:26	21°♑14'37	1.72789 AU	min. Earth dist.	9259 Jun 08 01:13	22°♊36'07	0.27162 AU
				morning rise	9259 Jun 12 01:34	20°♊10'42	
superior conj	9257 Jan 09 07:58	23°♑35'32	0°43'41	direct	9259 Jun 28 14:49	14°♊53'53	
minimum elong	9257 Jan 09 16:41	24°♑02'31	0°43'35	greatest brilliancy	9259 Jul 08 09:01	16°♊40'42	-4.9m
	9257 Jan 14 12:08	0°♒		desc. node	9259 Jul 16 03:09	20°♊15'14	
desc. node	9257 Jan 28 05:30	17°♒00'54			9259 Jul 30 03:08	0°♋	
	9257 Feb 07 16:34	0°♓		morning max el	9259 Aug 17 10:45	16°♋34'39	46°22'10
evening rise	9257 Feb 16 22:39	11°♓30'10			9259 Aug 30 14:58	0°♌	
	9257 Mar 03 19:19	0°♐			9259 Sep 27 00:28	0°♍	
	9257 Mar 27 20:48	0°♑			9259 Oct 23 02:10	0°♎	
	9257 Apr 20 22:46	0°♒		asc. node	9259 Nov 06 01:16	16°♎25'52	
	9257 May 15 04:18	0°♋			9259 Nov 17 10:49	0°♏	
asc. node	9257 May 21 03:26	7°♋20'02			9259 Dec 12 07:59	0°♐	
	9257 Jun 08 17:42	0°♌			9260 Jan 05 21:07	0°♑	
	9257 Jul 03 21:31	0°♍			9260 Jan 30 04:47	0°♒	
	9257 Jul 30 05:22	0°♎		morning set	9260 Feb 12 05:54	16°♒10'48	
evening max el	9257 Aug 21 14:38	23°♎25'20	46°00'59		9260 Feb 23 08:34	0°♓	
	9257 Aug 28 12:26	0°♏		desc. node	9260 Feb 25 18:02	2°♓58'57	
desc. node	9257 Sep 09 23:45	10°♏39'53			9260 Mar 18 09:12	0°♐	
greatest brilliancy	9257 Sep 29 07:12	22°♏11'11	-4.7m	max. Earth dist.	9260 Mar 20 00:24	2°♐02'41	1.71605 AU
retrograde	9257 Oct 09 22:00	24°♏13'17					
evening set	9257 Oct 27 23:01	18°♏04'38		superior conj	9260 Mar 23 01:30	5°♐51'33	-0°58'35
inferior conj	9257 Oct 31 10:28	15°♏54'51	-8°34'12	minimum elong	9260 Mar 22 14:00	5°♐15'31	0°58'10
minimum elong	9257 Oct 31 07:42	15°♏59'12	8°33'53		9260 Apr 11 07:27	0°♑	
min. Earth dist.	9257 Oct 31 05:42	16°♏02'22	0.29134 AU	evening rise	9260 May 02 06:02	26°♑18'08	
morning rise	9257 Nov 03 16:28	13°♏53'38			9260 May 05 04:42	0°♒	
direct	9257 Nov 21 23:34	7°♏38'45			9260 May 29 03:05	0°♋	
greatest brilliancy	9257 Dec 02 05:35	9°♏33'44	-4.7m	asc. node	9260 Jun 17 15:02	24°♋18'55	
asc. node	9257 Dec 31 23:08	29°♏38'23			9260 Jun 22 04:54	0°♌	
	9258 Jan 01 08:44	0°♐			9260 Jul 16 12:32	0°♍	
morning max el	9258 Jan 10 03:46	8°♐16'17	45°53'52		9260 Aug 10 04:59	0°♎	
	9258 Jan 31 01:30	0°♑			9260 Sep 04 11:36	0°♏	
	9258 Feb 26 12:55	0°♒			9260 Sep 30 19:44	0°♐	
	9258 Mar 23 18:47	0°♓		desc. node	9260 Oct 07 10:47	7°♐14'55	
	9258 Apr 17 09:40	0°♐			9260 Oct 29 11:45	0°♑	
desc. node	9258 Apr 22 17:17	6°♐32'35		evening max el	9260 Oct 31 13:20	1°♑59'29	45°44'19
	9258 May 11 16:03	0°♑			9260 Dec 09 06:27	0°♒	
	9258 Jun 04 17:58	0°♒		greatest brilliancy	9260 Dec 09 19:50	0°♒11'24	-4.7m

retrograde	9260 Dec 19 07:22	1° \approx 49'54		superior conj	9263 Jun 07 15:19	22° Π 26'54	-1°17'01
	9260 Dec 28 22:08	30° \mathbb{R} 3		minimum elong	9263 Jun 08 01:16	22° Π 58'11	1°17'05
evening set	9261 Jan 04 04:31	27°300'40		max. Earth dist.	9263 Jun 09 16:24	25° Π 00'58	1.71414 AU
inferior conj	9261 Jan 09 12:21	23°348'17	-4°28'47		9263 Jun 13 15:42	0° \mathfrak{S}	
minimum elong	9261 Jan 09 21:12	23°334'29	4°26'09		9263 Jul 07 14:57	0° Ω	
min. Earth dist.	9261 Jan 10 07:35	23°318'17	0.28239 AU	asc. node	9263 Jul 16 03:06	10° Ω 36'35	
morning rise	9261 Jan 15 13:10	20°310'20		evening rise	9263 Jul 17 16:35	12° Ω 33'18	
asc. node	9261 Jan 28 10:39	15°344'07			9263 Jul 31 17:27	0° \mathbb{P}	
direct	9261 Jan 30 17:45	15°337'45			9263 Aug 25 00:07	0° $\underline{\mathfrak{L}}$	
greatest brilliancy	9261 Feb 10 21:34	17°355'13	-4.8m		9263 Sep 18 12:24	0° \mathbb{M}	
	9261 Mar 02 07:08	0° \approx			9263 Oct 13 08:53	0° \mathfrak{X}	
morning max el	9261 Mar 21 21:39	17° \approx 54'49	46°38'20	desc. node	9263 Nov 04 21:55	26° \mathfrak{X} 42'01	
	9261 Apr 02 13:00	0° \mathfrak{H}			9263 Nov 07 17:36	0°3	
	9261 Apr 29 07:40	0° \mathbb{Y}			9263 Dec 03 21:05	0° \approx	
desc. node	9261 May 20 05:43	24° \mathbb{Y} 40'17			9263 Dec 31 11:25	0° \mathfrak{H}	
	9261 May 24 16:23	0° \mathfrak{B}		evening max el	9264 Jan 12 11:36	12° \mathfrak{H} 07'34	46°13'53
	9261 Jun 18 09:56	0° Π			9264 Feb 01 14:38	0° \mathbb{Y}	
	9261 Jul 12 20:49	0° \mathfrak{S}		greatest brilliancy	9264 Feb 21 04:17	11° \mathbb{Y} 34'41	-4.8m
	9261 Aug 06 05:29	0° Ω		asc. node	9264 Feb 25 21:56	12° \mathbb{Y} 53'19	
	9261 Aug 30 13:53	0° \mathbb{P}		retrograde	9264 Mar 02 02:35	13° \mathbb{Y} 24'34	
asc. node	9261 Sep 10 02:05	12° \mathbb{P} 56'46		evening set	9264 Mar 17 07:37	8° \mathbb{Y} 51'10	
morning set	9261 Sep 23 08:49	29° \mathbb{P} 18'44		inferior conj	9264 Mar 22 18:37	5° \mathbb{Y} 36'13	6°06'16
	9261 Sep 23 22:12	0° $\underline{\mathfrak{L}}$		minimum elong	9264 Mar 22 07:41	5° \mathbb{Y} 53'03	6°03'38
	9261 Oct 18 06:10	0° \mathbb{M}		min. Earth dist.	9264 Mar 22 15:49	5° \mathbb{Y} 40'32	0.27168 AU
				morning rise	9264 Mar 27 07:41	2° \mathbb{Y} 52'15	
superior conj	9261 Oct 30 07:18	14° \mathbb{M} 51'40	1°24'59		9264 Apr 02 00:29	30° \mathfrak{R} 4	
minimum elong	9261 Oct 30 04:18	14° \mathbb{M} 42'23	1°25'10	direct	9264 Apr 12 13:15	27° \mathfrak{H} 44'27	
max. Earth dist.	9261 Oct 30 10:28	15° \mathbb{M} 01'25	1.73270 AU	greatest brilliancy	9264 Apr 22 10:21	29° \mathfrak{H} 35'45	-4.9m
	9261 Nov 11 13:57	0° \mathfrak{X}			9264 Apr 23 12:06	0° \mathbb{Y}	
	9261 Dec 05 22:15	0°3			9264 Jun 01 10:20	0° \mathfrak{B}	
evening rise	9261 Dec 06 00:09	0°305'52		morning max el	9264 Jun 02 02:20	0° \mathfrak{B} 40'11	46°58'37
	9261 Dec 30 07:31	0° \approx		desc. node	9264 Jun 16 17:39	16° \mathfrak{B} 00'53	
desc. node	9261 Dec 30 19:19	0° \approx 36'16			9264 Jun 29 08:49	0° Π	
	9262 Jan 23 17:37	0° \mathfrak{H}			9264 Jul 25 08:42	0° \mathfrak{S}	
	9262 Feb 17 04:22	0° \mathbb{Y}			9264 Aug 19 15:25	0° Ω	
	9262 Mar 13 16:55	0° \mathfrak{B}			9264 Sep 13 14:25	0° \mathbb{P}	
	9262 Apr 07 11:22	0° Π		asc. node	9264 Oct 07 14:38	29° \mathbb{P} 05'24	
asc. node	9262 Apr 22 17:57	18° Π 11'00			9264 Oct 08 08:36	0° $\underline{\mathfrak{L}}$	
	9262 May 02 20:29	0° \mathfrak{S}			9264 Nov 01 22:37	0° \mathbb{M}	
	9262 May 29 16:17	0° Ω			9264 Nov 26 09:02	0° \mathfrak{X}	
evening max el	9262 Jun 09 04:16	10° Ω 53'01	46°44'42	morning set	9264 Dec 01 00:36	5° \mathfrak{X} 43'26	
	9262 Jun 30 05:04	0° \mathbb{P}			9264 Dec 20 16:49	0°3	
greatest brilliancy	9262 Jul 18 13:02	11° \mathbb{P} 10'15	-4.8m	max. Earth dist.	9265 Jan 05 02:38	19°303'09	1.72818 AU
retrograde	9262 Jul 29 11:45	13° \mathbb{P} 24'17					
desc. node	9262 Aug 12 14:37	9° \mathbb{P} 27'28		superior conj	9265 Jan 06 23:51	21°323'03	0°46'37
evening set	9262 Aug 13 07:26	9° \mathbb{P} 05'00		minimum elong	9265 Jan 07 08:53	21°351'00	0°46'30
min. Earth dist.	9262 Aug 19 01:13	5° \mathbb{P} 41'29	0.27909 AU		9265 Jan 13 22:51	0° \approx	
inferior conj	9262 Aug 19 15:52	5° \mathbb{P} 18'50	-1°45'16	desc. node	9265 Jan 27 07:34	16° \approx 33'57	
minimum elong	9262 Aug 19 11:54	5° \mathbb{P} 24'57	1°44'12		9265 Feb 07 03:22	0° \mathfrak{H}	
morning rise	9262 Aug 25 17:00	1° \mathbb{P} 43'40		evening rise	9265 Feb 14 12:56	9° \mathfrak{H} 11'35	
	9262 Aug 29 04:17	30° \mathfrak{R} 0			9265 Mar 03 06:15	0° \mathbb{Y}	
direct	9262 Sep 09 16:41	27° Ω 22'04			9265 Mar 27 07:57	0° \mathfrak{B}	
greatest brilliancy	9262 Sep 19 10:29	29° Ω 05'28	-4.8m		9265 Apr 20 10:13	0° Π	
	9262 Sep 21 20:50	0° \mathbb{P}			9265 May 14 16:11	0° \mathfrak{S}	
morning max el	9262 Oct 28 12:23	27° \mathbb{P} 14'28	45°44'41	asc. node	9265 May 20 05:18	6° \mathfrak{S} 48'55	
	9262 Oct 31 08:56	0° $\underline{\mathfrak{L}}$			9265 Jun 08 06:15	0° Ω	
	9262 Nov 29 00:07	0° \mathbb{M}			9265 Jul 03 11:17	0° \mathbb{P}	
asc. node	9262 Dec 03 13:23	5° \mathbb{M} 03'21			9265 Jul 29 21:52	0° $\underline{\mathfrak{L}}$	
	9262 Dec 25 09:08	0° \mathfrak{X}		evening max el	9265 Aug 19 06:14	21° $\underline{\mathfrak{L}}$ 12'25	46°02'18
	9263 Jan 19 16:49	0°3			9265 Aug 28 14:04	0° \mathbb{M}	
	9263 Feb 13 10:18	0° \approx		desc. node	9265 Sep 09 01:47	9° \mathbb{M} 34'21	
	9263 Mar 09 19:09	0° \mathfrak{H}		greatest brilliancy	9265 Sep 26 23:03	20° \mathbb{M} 01'25	-4.7m
desc. node	9263 Mar 25 06:39	19° \mathfrak{H} 13'05		retrograde	9265 Oct 07 13:50	22° \mathbb{M} 03'38	
	9263 Apr 02 22:14	0° \mathbb{Y}		evening set	9265 Oct 25 13:18	15° \mathbb{M} 58'21	
	9263 Apr 26 21:22	0° \mathfrak{B}		inferior conj	9265 Oct 29 02:45	13° \mathbb{M} 45'22	-8°31'09
morning set	9263 Apr 28 05:31	1° \mathfrak{B} 40'52		minimum elong	9265 Oct 28 23:14	13° \mathbb{M} 50'54	8°30'48
	9263 May 20 18:29	0° Π		min. Earth dist.	9265 Oct 28 20:56	13° \mathbb{M} 54'32	0.29120 AU

morning rise	9265 Nov 01 09:16	11° \mathbb{M} 43'12		asc. node	9268 Jun 16 17:04	23° \mathfrak{S} 51'15	
direct	9265 Nov 19 15:42	5° \mathbb{M} 29'49			9268 Jun 21 15:53	0° \mathcal{O}	
greatest brilliancy	9265 Nov 29 20:25	7° \mathbb{M} 23'11	-4.7m		9268 Jul 15 23:50	0° \mathfrak{M}	
asc. node	9265 Dec 31 01:12	28° \mathbb{M} 44'36			9268 Aug 09 16:50	0° \mathfrak{L}	
	9266 Jan 01 10:06	0° \mathfrak{A}			9268 Sep 04 00:32	0° \mathbb{M}	
morning max el	9266 Jan 07 18:15	6° \mathfrak{A} 01'27	45°52'41		9268 Sep 30 10:57	0° \mathfrak{A}	
	9266 Jan 30 17:50	0° \mathfrak{Z}		desc. node	9268 Oct 06 12:41	6° \mathfrak{A} 36'28	
	9266 Feb 26 02:31	0° \approx		evening max el	9268 Oct 29 03:59	29° \mathfrak{A} 46'42	45°44'12
	9266 Mar 23 07:09	0° \mathfrak{H}			9268 Oct 29 09:33	0° \mathfrak{Z}	
	9266 Apr 16 21:22	0° \mathfrak{Y}		greatest brilliancy	9268 Dec 07 09:58	27° \mathfrak{Z} 58'04	-4.7m
desc. node	9266 Apr 21 19:11	6° \mathfrak{Y} 02'41		retrograde	9268 Dec 16 22:31	29° \mathfrak{Z} 37'25	
	9266 May 11 03:22	0° \mathfrak{B}		evening set	9269 Jan 01 22:13	24° \mathfrak{Z} 43'36	
	9266 Jun 04 05:02	0° \mathbb{I}		inferior conj	9269 Jan 07 03:34	21° \mathfrak{Z} 34'47	-4°46'34
	9266 Jun 28 05:22	0° \mathfrak{S}		minimum elong	9269 Jan 07 12:48	21° \mathfrak{Z} 20'25	4°43'55
morning set	9266 Jul 12 04:12	17° \mathfrak{S} 25'00		min. Earth dist.	9269 Jan 07 22:53	21° \mathfrak{Z} 04'43	0.28296 AU
	9266 Jul 22 06:29	0° \mathcal{O}		morning rise	9269 Jan 13 02:43	17° \mathfrak{Z} 59'23	
asc. node	9266 Aug 12 15:28	26° \mathcal{O} 35'20		asc. node	9269 Jan 27 12:41	13° \mathfrak{Z} 24'19	
	9266 Aug 15 09:25	0° \mathfrak{M}		direct	9269 Jan 28 09:31	13° \mathfrak{Z} 23'25	
				greatest brilliancy	9269 Feb 08 13:43	15° \mathfrak{Z} 41'38	-4.8m
superior conj	9266 Aug 19 21:16	5° \mathfrak{M} 34'33	0°17'29		9269 Mar 02 16:27	0° \approx	
minimum elong	9266 Aug 19 17:20	5° \mathfrak{M} 22'21	0°17'09	morning max el	9269 Mar 19 13:41	15° \approx 40'32	46°36'50
max. Earth dist.	9266 Aug 22 13:16	8° \mathfrak{M} 53'00	1.72576 AU		9269 Apr 02 07:07	0° \mathfrak{H}	
	9266 Sep 08 14:24	0° \mathfrak{L}			9269 Apr 28 22:06	0° \mathfrak{Y}	
evening rise	9266 Sep 26 05:31	21° \mathfrak{L} 46'27		desc. node	9269 May 19 07:37	24° \mathfrak{Y} 06'54	
	9266 Oct 02 21:41	0° \mathbb{M}			9269 May 24 05:12	0° \mathfrak{B}	
	9266 Oct 27 08:00	0° \mathfrak{A}			9269 Jun 17 21:52	0° \mathbb{I}	
	9266 Nov 20 22:34	0° \mathfrak{Z}			9269 Jul 12 08:09	0° \mathfrak{S}	
desc. node	9266 Dec 02 09:27	13° \mathfrak{Z} 52'40			9269 Aug 05 16:25	0° \mathcal{O}	
	9266 Dec 15 18:22	0° \approx			9269 Aug 30 00:32	0° \mathfrak{M}	
	9267 Jan 09 20:22	0° \mathfrak{H}		asc. node	9269 Sep 09 03:55	12° \mathfrak{M} 29'55	
	9267 Feb 04 07:28	0° \mathfrak{Y}		morning set	9269 Sep 21 01:26	27° \mathfrak{M} 09'42	
	9267 Mar 02 13:32	0° \mathfrak{B}			9269 Sep 23 08:41	0° \mathfrak{L}	
asc. node	9267 Mar 25 08:55	24° \mathfrak{B} 22'18			9269 Oct 17 16:33	0° \mathbb{M}	
evening max el	9267 Mar 26 07:23	25° \mathfrak{B} 18'57	46°53'02				
	9267 Mar 31 01:05	0° \mathbb{I}		superior conj	9269 Oct 28 00:57	12° \mathbb{M} 46'03	1°24'25
greatest brilliancy	9267 May 06 00:19	26° \mathbb{I} 19'52	-4.9m	minimum elong	9269 Oct 27 21:17	12° \mathbb{M} 34'43	1°24'35
retrograde	9267 May 15 17:44	28° \mathbb{I} 07'19		max. Earth dist.	9269 Oct 28 07:10	13° \mathbb{M} 05'14	1.73269 AU
evening set	9267 Jun 02 05:51	22° \mathbb{I} 15'30			9269 Nov 11 00:20	0° \mathfrak{A}	
inferior conj	9267 Jun 05 11:03	20° \mathbb{I} 17'51	8°16'22	evening rise	9269 Dec 03 16:57	27° \mathfrak{A} 57'38	
minimum elong	9267 Jun 05 20:01	20° \mathbb{I} 04'02	8°14'48		9269 Dec 05 08:43	0° \mathfrak{Z}	
min. Earth dist.	9267 Jun 05 14:44	20° \mathbb{I} 12'10	0.27158 AU	desc. node	9269 Dec 29 21:20	0° \approx 09'41	
morning rise	9267 Jun 09 10:13	17° \mathbb{I} 53'44			9269 Dec 29 18:11	0° \approx	
direct	9267 Jun 26 03:10	12° \mathbb{I} 30'14			9270 Jan 23 04:36	0° \mathfrak{H}	
greatest brilliancy	9267 Jul 05 22:27	14° \mathbb{I} 17'40	-4.9m		9270 Feb 16 15:47	0° \mathfrak{Y}	
desc. node	9267 Jul 15 05:17	18° \mathbb{I} 45'24			9270 Mar 13 04:57	0° \mathfrak{B}	
	9267 Jul 30 13:11	0° \mathfrak{S}			9270 Apr 07 00:22	0° \mathbb{I}	
morning max el	9267 Aug 14 23:57	14° \mathfrak{S} 13'04	46°23'49	asc. node	9270 Apr 21 19:53	17° \mathbb{I} 35'39	
	9267 Aug 30 09:25	0° \mathcal{O}			9270 May 02 11:15	0° \mathfrak{S}	
	9267 Sep 26 14:54	0° \mathfrak{M}			9270 May 29 11:15	0° \mathcal{O}	
	9267 Oct 22 14:48	0° \mathfrak{L}		evening max el	9270 Jun 06 19:54	8° \mathcal{O} 37'09	46°46'02
asc. node	9267 Nov 05 03:08	15° \mathfrak{L} 55'47			9270 Jun 30 19:53	0° \mathfrak{M}	
	9267 Nov 16 22:28	0° \mathbb{M}		greatest brilliancy	9270 Jul 16 04:19	8° \mathfrak{M} 54'04	-4.8m
	9267 Dec 11 19:04	0° \mathfrak{A}		retrograde	9270 Jul 27 03:35	11° \mathfrak{M} 08'16	
	9268 Jan 05 07:54	0° \mathfrak{Z}		evening set	9270 Aug 10 22:14	6° \mathfrak{M} 49'24	
	9268 Jan 29 15:26	0° \approx		desc. node	9270 Aug 11 16:33	6° \mathfrak{M} 24'07	
morning set	9268 Feb 09 19:59	13° \approx 52'25		min. Earth dist.	9270 Aug 16 16:12	3° \mathfrak{M} 25'33	0.27860 AU
	9268 Feb 22 19:11	0° \mathfrak{H}		inferior conj	9270 Aug 17 06:33	3° \mathfrak{M} 03'23	-1°23'44
desc. node	9268 Feb 24 19:57	2° \mathfrak{H} 31'52		minimum elong	9270 Aug 17 03:22	3° \mathfrak{M} 08'17	1°22'54
max. Earth dist.	9268 Mar 17 11:41	29° \mathfrak{H} 34'26	1.71643 AU		9270 Aug 22 09:01	30° \mathfrak{R} \mathcal{O}	
	9268 Mar 17 19:51	0° \mathfrak{Y}		morning rise	9270 Aug 23 09:14	29° \mathcal{O} 26'33	
				direct	9270 Sep 07 07:23	25° \mathcal{O} 07'20	
superior conj	9268 Mar 20 13:32	3° \mathfrak{Y} 25'35	-0°55'39	greatest brilliancy	9270 Sep 17 00:20	26° \mathcal{O} 50'31	-4.8m
minimum elong	9268 Mar 20 02:14	2° \mathfrak{Y} 50'13	0°55'13		9270 Sep 24 05:17	0° \mathfrak{M}	
	9268 Apr 10 18:08	0° \mathfrak{B}		morning max el	9270 Oct 26 04:10	25° \mathfrak{M} 04'17	45°45'15
evening rise	9268 Apr 29 17:12	23° \mathfrak{B} 48'53			9270 Oct 31 05:44	0° \mathfrak{L}	
	9268 May 04 15:26	0° \mathbb{I}			9270 Nov 28 15:02	0° \mathbb{M}	
	9268 May 28 13:53	0° \mathfrak{S}		asc. node	9270 Dec 02 15:26	4° \mathbb{M} 28'40	

	9270 Dec 24 21:55	0°♊			9273 Jul 29 14:40	0°♊	
	9271 Jan 19 04:35	0°♋		evening max el	9273 Aug 16 20:59	18°♊57'21	46°03'35
	9271 Feb 12 21:33	0°♌			9273 Aug 28 17:14	0°♌	
	9271 Mar 09 06:07	0°♍		desc. node	9273 Sep 08 03:44	8°♌26'55	
desc. node	9271 Mar 24 08:29	18°♍45'06		greatest brilliancy	9273 Sep 24 14:59	17°♌51'30	-4.8m
	9271 Apr 02 09:02	0°♎		retrograde	9273 Oct 05 05:31	19°♌54'00	
morning set	9271 Apr 25 16:05	29°♎09'47		evening set	9273 Oct 23 03:14	13°♌52'20	
	9271 Apr 26 08:05	0°♏		inferior conj	9273 Oct 26 18:59	11°♌35'55	-8°27'24
	9271 May 20 05:10	0°♐		minimum elong	9273 Oct 26 14:43	11°♌42'38	8°26'58
				min. Earth dist.	9273 Oct 26 12:25	11°♌46'17	0.29104 AU
superior conj	9271 Jun 05 02:46	19°♐58'38	-1°18'50	morning rise	9273 Oct 30 02:17	9°♌32'25	
minimum elong	9271 Jun 05 12:10	20°♐28'09	1°18'55	direct	9273 Nov 17 07:16	3°♌20'46	
max. Earth dist.	9271 Jun 07 02:55	22°♐29'49	1.71389 AU	greatest brilliancy	9273 Nov 27 11:45	5°♌13'18	-4.7m
	9271 Jun 13 02:23	0°♑		asc. node	9273 Dec 30 03:12	27°♌51'56	
	9271 Jul 07 01:37	0°♒			9274 Jan 01 10:07	0°♊	
evening rise	9271 Jul 15 05:44	10°♒11'35		morning max el	9274 Jan 05 08:24	3°♊46'01	45°51'38
asc. node	9271 Jul 15 05:07	10°♒09'40			9274 Jan 30 09:50	0°♋	
	9271 Jul 31 04:08	0°♓			9274 Feb 25 16:00	0°♌	
	9271 Aug 24 10:55	0°♈			9274 Mar 22 19:30	0°♍	
	9271 Sep 17 23:28	0°♉			9274 Apr 16 09:08	0°♎	
	9271 Oct 12 20:30	0°♊		desc. node	9274 Apr 20 21:11	5°♎32'51	
desc. node	9271 Nov 03 23:54	26°♊11'17			9274 May 10 14:46	0°♏	
	9271 Nov 07 06:15	0°♋			9274 Jun 03 16:11	0°♐	
	9271 Dec 03 11:43	0°♌			9274 Jun 27 16:19	0°♑	
	9271 Dec 31 06:39	0°♍		morning set	9274 Jul 09 17:39	15°♑03'25	
evening max el	9272 Jan 10 02:28	9°♍51'18	46°12'16		9274 Jul 21 17:17	0°♒	
	9272 Feb 02 07:09	0°♎		asc. node	9274 Aug 11 17:17	26°♒07'40	
greatest brilliancy	9272 Feb 18 17:42	9°♎12'32	-4.8m		9274 Aug 14 20:08	0°♓	
asc. node	9272 Feb 24 23:53	10°♎46'02					
retrograde	9272 Feb 28 15:26	11°♎01'32		superior conj	9274 Aug 17 12:17	3°♓19'02	0°14'01
evening set	9272 Mar 14 17:52	6°♏32'46		minimum elong	9274 Aug 17 09:06	3°♓09'10	0°13'42
inferior conj	9272 Mar 20 07:53	3°♏13'22	5°48'04	behind sun begin	9274 Aug 16 20:30	2°♓30'06	
minimum elong	9272 Mar 19 21:09	3°♏29'56	5°45'22	behind sun end	9274 Aug 17 21:41	3°♓48'15	
min. Earth dist.	9272 Mar 20 05:39	3°♏16'49	0.27178 AU	max. Earth dist.	9274 Aug 20 04:05	6°♓36'57	1.72536 AU
morning rise	9272 Mar 25 00:19	0°♏24'14			9274 Sep 08 01:07	0°♈	
	9272 Mar 25 17:30	30°♏♋		evening rise	9274 Sep 23 22:28	19°♈37'38	
direct	9272 Apr 10 02:54	25°♋21'28			9274 Oct 02 08:27	0°♉	
greatest brilliancy	9272 Apr 20 00:43	27°♋13'06	-4.9m		9274 Oct 26 18:56	0°♊	
	9272 Apr 26 04:52	0°♌			9274 Nov 20 09:47	0°♋	
morning max el	9272 May 30 15:16	28°♌15'33	46°58'45	desc. node	9274 Dec 01 11:31	13°♋24'19	
	9272 Jun 01 08:32	0°♍			9274 Dec 15 06:07	0°♌	
desc. node	9272 Jun 15 19:47	15°♍17'29			9275 Jan 09 08:59	0°♍	
	9272 Jun 29 00:48	0°♎			9275 Feb 03 21:34	0°♎	
	9272 Jul 24 22:19	0°♏			9275 Mar 02 06:34	0°♏	
	9272 Aug 19 03:47	0°♐		evening max el	9275 Mar 23 19:45	22°♏52'05	46°52'10
	9272 Sep 13 01:59	0°♑		asc. node	9275 Mar 24 10:51	23°♏29'56	
asc. node	9272 Oct 06 16:34	28°♑37'41			9275 Mar 31 02:40	0°♐	
	9272 Oct 07 19:38	0°♒		greatest brilliancy	9275 May 03 14:05	23°♐54'53	-4.9m
	9272 Nov 01 09:20	0°♓		retrograde	9275 May 13 06:36	25°♐42'00	
	9272 Nov 25 19:35	0°♊		evening set	9275 May 30 22:02	19°♐45'14	
morning set	9272 Nov 28 17:59	3°♊36'47		inferior conj	9275 Jun 02 24:00	17°♐52'39	8°26'34
	9272 Dec 20 03:20	0°♋		minimum elong	9275 Jun 03 08:20	17°♐39'49	8°25'13
max. Earth dist.	9273 Jan 02 18:05	16°♋49'55	1.72853 AU	min. Earth dist.	9275 Jun 03 03:48	17°♐46'47	0.27156 AU
				morning rise	9275 Jun 06 18:39	15°♐35'16	
superior conj	9273 Jan 04 15:54	19°♋11'37	0°49'26	direct	9275 Jun 23 15:28	10°♐04'41	
minimum elong	9273 Jan 05 01:12	19°♋40'23	0°49'21	greatest brilliancy	9275 Jul 03 11:30	11°♐52'52	-4.9m
	9273 Jan 13 09:26	0°♌		desc. node	9275 Jul 14 07:12	17°♐17'13	
desc. node	9273 Jan 26 09:31	16°♌07'01			9275 Jul 30 20:57	0°♑	
	9273 Feb 06 14:04	0°♍		morning max el	9275 Aug 12 13:49	11°♑52'07	46°25'33
evening rise	9273 Feb 12 03:09	6°♍53'14			9275 Aug 30 03:42	0°♒	
	9273 Mar 02 17:07	0°♎			9275 Sep 26 05:25	0°♓	
	9273 Mar 26 19:02	0°♏			9275 Oct 22 03:36	0°♈	
	9273 Apr 19 21:36	0°♐		asc. node	9275 Nov 04 05:08	15°♈25'29	
	9273 May 14 04:00	0°♑			9275 Nov 16 10:20	0°♉	
asc. node	9273 May 19 07:22	6°♑18'38			9275 Dec 11 06:23	0°♊	
	9273 Jun 07 18:46	0°♒			9276 Jan 04 18:55	0°♋	
	9273 Jul 03 01:08	0°♓			9276 Jan 29 02:19	0°♌	

morning set	9276 Feb 07 10:30	11° \approx 34'46		inferior conj	9278 Aug 14 21:00	0° \cap 45'38	-1°01'43
	9276 Feb 22 06:02	0° H		minimum elong	9278 Aug 14 18:39	0° \cap 49'16	1°01'09
desc. node	9276 Feb 23 21:50	2° H 03'56		min. Earth dist.	9278 Aug 14 07:07	1° \cap 07'06	0.27813 AU
max. Earth dist.	9276 Mar 15 01:26	27° H 13'15	1.71684 AU		9278 Aug 16 02:36	30° R Ω	
	9276 Mar 17 06:44	0° Y		morning rise	9278 Aug 21 01:04	27° Ω 07'10	
				direct	9278 Sep 04 22:04	22° Ω 50'26	
superior conj	9276 Mar 18 01:43	0° Y 59'23	-0°52'38	greatest brilliancy	9278 Sep 14 13:59	24° Ω 33'06	-4.8m
minimum elong	9276 Mar 17 14:43	0° Y 24'59	0°52'10		9278 Sep 25 18:40	0° \cap	
	9276 Apr 10 05:06	0° B		morning max el	9278 Oct 23 19:05	22° \cap 50'17	45°45'52
evening rise	9276 Apr 27 04:21	21° B 18'35			9278 Oct 31 02:25	0° $\underline{\Omega}$	
	9276 May 04 02:29	0° II			9278 Nov 28 06:13	0° M	
	9276 May 28 01:04	0° E		asc. node	9278 Dec 01 17:26	3° M 52'46	
asc. node	9276 Jun 15 19:00	23° E 22'03			9278 Dec 24 11:01	0° A	
	9276 Jun 21 03:15	0° Ω			9279 Jan 18 16:43	0° B	
	9276 Jul 15 11:32	0° \cap			9279 Feb 12 09:11	0° \approx	
	9276 Aug 09 05:08	0° $\underline{\Omega}$			9279 Mar 08 17:28	0° H	
	9276 Sep 03 13:57	0° M		desc. node	9279 Mar 23 10:30	18° H 16'26	
	9276 Sep 30 02:50	0° A			9279 Apr 01 20:12	0° Y	
desc. node	9276 Oct 05 14:42	5° A 56'47		morning set	9279 Apr 23 02:57	26° Y 38'42	
evening max el	9276 Oct 26 19:24	27° A 34'38	45°44'06		9279 Apr 25 19:08	0° B	
	9276 Oct 29 08:47	0° B			9279 May 19 16:08	0° II	
greatest brilliancy	9276 Dec 04 23:47	25° B 43'26	-4.7m				
retrograde	9276 Dec 14 13:49	27° B 23'44		superior conj	9279 Jun 02 14:33	17° II 30'33	-1°20'28
evening set	9276 Dec 30 16:01	22° B 25'30		minimum elong	9279 Jun 02 23:18	17° II 57'59	1°20'35
inferior conj	9277 Jan 04 18:45	19° B 20'10	-5°03'58	max. Earth dist.	9279 Jun 04 13:36	19° II 58'15	1.71363 AU
minimum elong	9277 Jan 05 04:17	19° B 05'19	5°01'18		9279 Jun 12 13:20	0° E	
min. Earth dist.	9277 Jan 05 13:47	18° B 50'32	0.28348 AU		9279 Jul 06 12:35	0° Ω	
morning rise	9277 Jan 10 16:00	15° B 47'36		evening rise	9279 Jul 12 18:55	7° Ω 48'54	
direct	9277 Jan 26 01:40	11° B 08'15		asc. node	9279 Jul 14 06:57	9° Ω 41'11	
asc. node	9277 Jan 26 14:32	11° B 08'35			9279 Jul 30 15:10	0° \cap	
greatest brilliancy	9277 Feb 06 05:08	13° B 26'17	-4.8m		9279 Aug 23 22:06	0° $\underline{\Omega}$	
	9277 Mar 02 23:33	0° \approx			9279 Sep 17 10:58	0° M	
morning max el	9277 Mar 17 05:52	13° \approx 25'54	46°35'21		9279 Oct 12 08:36	0° A	
	9277 Apr 02 01:06	0° H		desc. node	9279 Nov 03 01:57	25° A 39'24	
	9277 Apr 28 12:41	0° Y			9279 Nov 06 19:25	0° B	
desc. node	9277 May 18 09:41	23° Y 33'17			9279 Dec 03 02:57	0° \approx	
	9277 May 23 18:17	0° B			9279 Dec 31 02:56	0° H	
	9277 Jun 17 10:07	0° II		evening max el	9280 Jan 07 16:21	7° H 31'32	46°10'39
	9277 Jul 11 19:53	0° E			9280 Feb 03 06:11	0° Y	
	9277 Aug 05 03:47	0° Ω		greatest brilliancy	9280 Feb 16 07:30	6° Y 49'43	-4.8m
	9277 Aug 29 11:38	0° \cap		asc. node	9280 Feb 24 01:54	8° Y 32'29	
asc. node	9277 Sep 08 05:53	12° \cap 02'07		retrograde	9280 Feb 26 03:51	8° Y 37'35	
morning set	9277 Sep 18 17:42	24° \cap 58'14		evening set	9280 Mar 12 04:18	4° Y 12'54	
	9277 Sep 22 19:35	0° $\underline{\Omega}$		inferior conj	9280 Mar 17 21:10	0° Y 49'35	5°29'13
	9277 Oct 17 03:20	0° M		minimum elong	9280 Mar 17 10:42	1° Y 05'45	5°26'30
				min. Earth dist.	9280 Mar 17 19:52	0° Y 51'36	0.27188 AU
superior conj	9277 Oct 25 18:18	10° M 38'15	1°23'43		9280 Mar 19 05:20	30° R H	
minimum elong	9277 Oct 25 13:58	10° M 24'53	1°23'51	morning rise	9280 Mar 22 16:54	27° H 55'23	
max. Earth dist.	9277 Oct 26 04:50	11° M 10'45	1.73263 AU	direct	9280 Apr 07 16:02	22° H 57'18	
	9277 Nov 10 11:07	0° A		greatest brilliancy	9280 Apr 17 15:43	24° H 50'06	-4.9m
evening rise	9277 Dec 01 09:38	25° A 47'43			9280 Apr 27 21:34	0° Y	
	9277 Dec 04 19:38	0° B		morning max el	9280 May 28 03:36	25° Y 48'27	46°59'08
desc. node	9277 Dec 28 23:14	29° B 41'19			9280 Jun 01 06:13	0° B	
	9277 Dec 29 05:19	0° \approx		desc. node	9280 Jun 14 21:39	14° B 33'15	
	9278 Jan 22 16:02	0° H			9280 Jun 28 16:46	0° II	
	9278 Feb 16 03:36	0° Y			9280 Jul 24 12:02	0° E	
	9278 Mar 12 17:22	0° B			9280 Aug 18 16:17	0° Ω	
	9278 Apr 06 13:47	0° II			9280 Sep 12 13:45	0° \cap	
asc. node	9278 Apr 20 21:58	16° II 59'35		asc. node	9280 Oct 05 18:34	28° \cap 09'24	
	9278 May 02 02:35	0° E			9280 Oct 07 06:55	0° $\underline{\Omega}$	
	9278 May 29 07:13	0° Ω			9280 Oct 31 20:19	0° M	
evening max el	9278 Jun 04 11:47	6° Ω 20'35	46°47'03		9280 Nov 25 06:25	0° A	
	9278 Jul 01 16:51	0° \cap		morning set	9280 Nov 26 11:13	1° A 28'40	
greatest brilliancy	9278 Jul 13 19:47	6° \cap 36'13	-4.8m		9280 Dec 19 14:08	0° B	
retrograde	9278 Jul 24 18:54	8° \cap 49'48		max. Earth dist.	9280 Dec 31 10:28	14° B 38'48	1.72886 AU
evening set	9278 Aug 08 13:01	4° \cap 31'25					
desc. node	9278 Aug 10 18:31	3° \cap 15'31		superior conj	9281 Jan 02 07:53	16° B 59'12	0°52'12

minimum elong	9281 Jan 02 17:24	17°  28'38	0°52'07	greatest brilliancy	9283 Jul 01 00:01	9°  27'21	-4.9m
	9281 Jan 12 20:15	0° 		desc. node	9283 Jul 13 09:08	15°  52'02	
desc. node	9281 Jan 25 11:21	15°  38'58			9283 Jul 31 02:27	0° 	
	9281 Feb 06 01:00	0° 		morning max el	9283 Aug 10 04:25	9°  33'07	46°27'23
evening rise	9281 Feb 09 17:24	4°  34'21			9283 Aug 29 21:28	0° 	
	9281 Mar 02 04:14	0° 			9283 Sep 25 19:39	0° 	
	9281 Mar 26 06:24	0° 			9283 Oct 21 16:09	0° 	
	9281 Apr 19 09:16	0° 		asc. node	9283 Nov 03 07:05	14°  55'35	
	9281 May 13 16:04	0° 			9283 Nov 15 21:59	0° 	
asc. node	9281 May 18 09:19	5°  47'15			9283 Dec 10 17:32	0° 	
	9281 Jun 07 07:31	0° 			9284 Jan 04 05:48	0° 	
	9281 Jul 02 15:13	0° 			9284 Jan 28 13:06	0° 	
	9281 Jul 29 07:54	0° 		morning set	9284 Feb 05 01:04	9°  17'36	
evening max el	9281 Aug 14 11:20	16°  41'03	46°04'54		9284 Feb 21 16:48	0° 	
	9281 Aug 28 22:16	0° 		desc. node	9284 Feb 22 23:52	1°  36'44	
desc. node	9281 Sep 07 05:45	7°  17'38		max. Earth dist.	9284 Mar 12 14:30	24°  50'15	1.71722 AU
greatest brilliancy	9281 Sep 22 06:28	15°  40'49	-4.8m				
retrograde	9281 Oct 02 21:29	17°  44'25		superior conj	9284 Mar 15 13:47	28°  33'10	-0°49'30
evening set	9281 Oct 20 17:01	11°  46'22		minimum elong	9284 Mar 15 03:10	27°  59'59	0°49'01
inferior conj	9281 Oct 24 11:20	9°  26'20	-8°22'53		9284 Mar 16 17:32	0° 	
minimum elong	9281 Oct 24 06:22	9°  34'09	8°22'20		9284 Apr 09 15:56	0° 	
min. Earth dist.	9281 Oct 24 03:59	9°  37'54	0.29090 AU	evening rise	9284 Apr 24 15:25	18°  48'28	
morning rise	9281 Oct 27 19:47	7°  21'09			9284 May 03 13:25	0° 	
direct	9281 Nov 14 22:51	1°  11'23			9284 May 27 12:07	0° 	
greatest brilliancy	9281 Nov 25 03:44	3°  03'55	-4.7m	asc. node	9284 Jun 14 20:54	22°  53'02	
asc. node	9281 Dec 29 05:03	26°  59'32			9284 Jun 20 14:32	0° 	
	9282 Jan 01 09:15	0° 			9284 Jul 14 23:09	0° 	
morning max el	9282 Jan 02 23:11	1°  31'41	45°50'37		9284 Aug 08 17:19	0° 	
	9282 Jan 30 01:43	0° 			9284 Sep 03 03:15	0° 	
	9282 Feb 25 05:30	0° 			9284 Sep 29 18:41	0° 	
	9282 Mar 22 07:55	0° 		desc. node	9284 Oct 04 16:46	5°  17'43	
	9282 Apr 15 20:57	0° 		evening max el	9284 Oct 24 11:18	25°  24'46	45°44'05
desc. node	9282 Apr 19 23:08	5°  02'38			9284 Oct 29 08:39	0° 	
	9282 May 10 02:15	0° 		greatest brilliancy	9284 Dec 02 13:56	23°  30'43	-4.7m
	9282 Jun 03 03:25	0° 		retrograde	9284 Dec 12 05:08	25°  11'30	
	9282 Jun 27 03:21	0° 		evening set	9284 Dec 28 10:06	20°  09'04	
morning set	9282 Jul 07 07:13	12°  54'14		inferior conj	9285 Jan 02 10:09	17°  07'05	-5°20'44
	9282 Jul 21 04:08	0° 		minimum elong	9285 Jan 02 19:56	16°  51'50	5°18'04
asc. node	9282 Aug 10 19:17	25°  40'26		min. Earth dist.	9285 Jan 03 04:45	16°  38'06	0.28403 AU
	9282 Aug 14 06:52	0° 		morning rise	9285 Jan 08 05:19	13°  37'25	
				direct	9285 Jan 23 18:10	8°  54'47	
superior conj	9282 Aug 15 03:31	1°  04'05	0°10'32	asc. node	9285 Jan 25 16:36	8°  59'15	
minimum elong	9282 Aug 15 01:06	0°  56'36	0°10'16	greatest brilliancy	9285 Feb 03 20:25	11°  11'53	-4.8m
behind sun begin	9282 Aug 14 06:26	29°  58'38			9285 Mar 03 04:12	0° 	
behind sun end	9282 Aug 15 19:47	1°  54'34		morning max el	9285 Mar 14 21:38	11°  10'55	46°33'38
max. Earth dist.	9282 Aug 17 18:51	4°  02'38	1.72493 AU		9285 Apr 01 18:30	0° 	
	9282 Sep 07 11:48	0° 			9285 Apr 28 02:56	0° 	
evening rise	9282 Sep 21 15:45	17°  49'52		desc. node	9285 May 17 11:34	22°  09'50	
	9282 Oct 01 19:12	0° 			9285 May 23 07:04	0° 	
	9282 Oct 26 05:51	0° 			9285 Jun 16 22:05	0° 	
	9282 Nov 19 21:03	0° 			9285 Jul 11 07:20	0° 	
desc. node	9282 Nov 30 13:22	12°  55'10			9285 Aug 04 14:53	0° 	
	9282 Dec 14 17:57	0° 			9285 Aug 28 22:28	0° 	
	9283 Jan 08 21:44	0° 		asc. node	9285 Sep 07 07:53	11°  07'35'10	
	9283 Feb 03 11:52	0° 		morning set	9285 Sep 16 10:01	22°  07'47'43	
	9283 Mar 02 00:00	0° 			9285 Sep 22 06:12	0° 	
evening max el	9283 Mar 21 08:43	20°  46'56	46°51'20		9285 Oct 16 13:50	0° 	
asc. node	9283 Mar 23 12:56	22°  43'00					
	9283 Mar 31 05:43	0° 		superior conj	9285 Oct 23 11:52	8°  32'01	1°22'55
greatest brilliancy	9283 May 01 03:04	21°  28'57	-4.9m	minimum elong	9285 Oct 23 06:53	8°  16'40	1°23'01
retrograde	9283 May 10 19:53	23°  16'33		max. Earth dist.	9285 Oct 24 01:44	9°  14'46	1.73250 AU
evening set	9283 May 28 13:59	17°  14'51			9285 Nov 09 21:36	0° 	
inferior conj	9283 May 31 12:50	15°  27'06	8°35'51	evening rise	9285 Nov 29 02:36	23°  27'39'43	
minimum elong	9283 May 31 20:30	15° 15'18	8°34'40		9285 Dec 04 06:12	0°	
min. Earth dist.	9283 May 31 16:25	15° 21'35	0.27156 AU	desc. node	9285 Dec 28 01:11	29° 14'12	
morning rise	9283 Jun 04 03:02	13° 16'30			9285 Dec 28 16:06	0°	
direct	9283 Jun 21 04:21	7° 13'8'51			9286 Jan 22 03:09	0°	

	9286 Feb 15 15:11	0°♄		9288 Jul 24 01:24	0°♄	
	9286 Mar 12 05:37	0°♄		9288 Aug 18 04:29	0°♄	
	9286 Apr 06 03:06	0°♄		9288 Sep 12 01:12	0°♄	
asc. node	9286 Apr 19 23:53	16°♄23'23	asc. node	9288 Oct 04 20:27	27°♄41'38	
	9286 May 01 17:56	0°♄		9288 Oct 06 17:53	0°♄	
	9286 May 29 03:36	0°♄		9288 Oct 31 07:00	0°♄	
evening max el	9286 Jun 02 02:56	4°♄02'41 46°48'04	morning set	9288 Nov 24 04:16	29°♄20'57	
	9286 Jul 02 21:16	0°♄		9288 Nov 24 16:57	0°♄	
greatest brilliancy	9286 Jul 11 11:46	4°♄19'31 -4.8m		9288 Dec 19 00:36	0°♄	
retrograde	9286 Jul 22 09:40	6°♄31'41	max. Earth dist.	9288 Dec 29 04:13	12°♄32'53 1.72915 AU	
evening set	9286 Aug 06 03:56	2°♄13'42				
desc. node	9286 Aug 09 20:35	0°♄05'04	superior conj	9288 Dec 30 23:58	14°♄48'09 0°54'53	
	9286 Aug 09 23:55	30°♄♄	minimum elong	9288 Dec 31 09:38	15°♄18'04 0°54'48	
inferior conj	9286 Aug 12 11:21	28°♄28'27 -0°39'28		9289 Jan 12 06:45	0°♄	
minimum elong	9286 Aug 12 09:50	28°♄30'47 0°39'10	desc. node	9289 Jan 24 13:25	15°♄12'39	
min. Earth dist.	9286 Aug 11 22:14	28°♄48'45 0.27764 AU		9289 Feb 05 11:35	0°♄	
morning rise	9286 Aug 18 16:34	24°♄48'20	evening rise	9289 Feb 07 08:00	2°♄17'47	
direct	9286 Sep 02 12:20	20°♄34'06		9289 Mar 01 14:59	0°♄	
greatest brilliancy	9286 Sep 12 03:52	22°♄16'23 -4.8m		9289 Mar 25 17:23	0°♄	
	9286 Sep 26 20:34	0°♄		9289 Apr 18 20:34	0°♄	
morning max el	9286 Oct 21 09:06	20°♄34'57 45°46'39		9289 May 13 03:50	0°♄	
	9286 Oct 30 22:03	0°♄	asc. node	9289 May 17 11:11	5°♄16'34	
	9286 Nov 27 20:49	0°♄		9289 Jun 06 20:05	0°♄	
asc. node	9286 Nov 30 19:15	3°♄17'46		9289 Jul 02 05:16	0°♄	
	9286 Dec 23 23:38	0°♄		9289 Jul 29 01:21	0°♄	
	9287 Jan 18 04:22	0°♄	evening max el	9289 Aug 12 01:49	14°♄25'24 46°06'22	
	9287 Feb 11 20:21	0°♄		9289 Aug 29 05:22	0°♄	
	9287 Mar 08 04:24	0°♄	desc. node	9289 Sep 06 07:44	6°♄06'37	
desc. node	9287 Mar 22 12:27	17°♄48'47	greatest brilliancy	9289 Sep 19 21:12	13°♄29'19 -4.8m	
	9287 Apr 01 07:00	0°♄	retrograde	9289 Sep 30 13:40	15°♄34'46	
morning set	9287 Apr 20 13:35	24°♄07'47	evening set	9289 Oct 18 06:19	9°♄40'26	
	9287 Apr 25 05:53	0°♄	inferior conj	9289 Oct 22 03:24	7°♄16'30 -8°17'31	
	9287 May 19 02:52	0°♄	minimum elong	9289 Oct 21 21:46	7°♄25'22 8°16'53	
			min. Earth dist.	9289 Oct 21 18:58	7°♄29'45 0.29072 AU	
superior conj	9287 May 31 01:58	15°♄02'03 -1°21'57	morning rise	9289 Oct 25 13:17	5°♄09'25	
minimum elong	9287 May 31 09:57	15°♄27'06 1°22'06		9289 Nov 05 14:45	30°♄♄	
max. Earth dist.	9287 Jun 01 20:18	17°♄15'00 1.71339 AU	direct	9289 Nov 12 14:23	29°♄01'47	
	9287 Jun 12 00:02	0°♄		9289 Nov 19 20:21	0°♄	
	9287 Jul 05 23:17	0°♄	greatest brilliancy	9289 Nov 22 19:11	0°♄54'16 -4.7m	
evening rise	9287 Jul 10 07:31	5°♄25'11	asc. node	9289 Dec 28 07:09	26°♄09'16	
asc. node	9287 Jul 13 08:57	9°♄14'01	morning max el	9289 Dec 31 14:40	29°♄19'47 45°49'44	
	9287 Jul 30 01:55	0°♄		9290 Jan 01 07:11	0°♄	
	9287 Aug 23 08:59	0°♄		9290 Jan 29 17:05	0°♄	
	9287 Sep 16 22:11	0°♄		9290 Feb 24 18:36	0°♄	
	9287 Oct 11 20:25	0°♄		9290 Mar 21 19:56	0°♄	
desc. node	9287 Nov 02 03:50	25°♄07'54		9290 Apr 15 08:24	0°♄	
	9287 Nov 06 08:18	0°♄	desc. node	9290 Apr 19 01:01	4°♄33'21	
	9287 Dec 02 17:59	0°♄		9290 May 09 13:21	0°♄	
	9287 Dec 30 23:19	0°♄		9290 Jun 02 14:18	0°♄	
evening max el	9288 Jan 05 05:26	5°♄11'29 46°09'14		9290 Jun 26 14:04	0°♄	
	9288 Feb 04 12:50	0°♄	morning set	9290 Jul 04 20:35	10°♄20'10	
greatest brilliancy	9288 Feb 13 21:19	4°♄28'52 -4.8m		9290 Jul 20 14:46	0°♄	
asc. node	9288 Feb 23 03:54	6°♄15'43	asc. node	9290 Aug 09 21:17	25°♄13'47	
retrograde	9288 Feb 23 16:27	6°♄16'02				
evening set	9288 Mar 09 15:09	1°♄54'36	superior conj	9290 Aug 12 18:15	28°♄48'00 0°07'00	
	9288 Mar 12 22:32	30°♄♄	minimum elong	9290 Aug 12 16:39	28°♄43'02 0°06'45	
inferior conj	9288 Mar 15 10:39	28°♄27'57 5°09'47	behind sun begin	9290 Aug 11 18:35	27°♄34'30	
minimum elong	9288 Mar 15 00:31	28°♄43'35 5°07'06	behind sun end	9290 Aug 13 14:42	29°♄51'33	
min. Earth dist.	9288 Mar 15 10:18	28°♄28'30 0.27206 AU		9290 Aug 13 17:26	0°♄	
morning rise	9288 Mar 20 09:37	25°♄28'59	max. Earth dist.	9290 Aug 15 09:21	2°♄03'54 1.72456 AU	
direct	9288 Apr 05 05:10	20°♄34'58		9290 Sep 06 22:21	0°♄	
greatest brilliancy	9288 Apr 15 07:14	22°♄29'33 -4.9m	evening rise	9290 Sep 19 08:30	15°♄20'55	
	9288 Apr 29 01:02	0°♄		9290 Oct 01 05:48	0°♄	
morning max el	9288 May 25 16:22	23°♄23'27 46°59'11		9290 Oct 25 16:39	0°♄	
	9288 Jun 01 02:47	0°♄		9290 Nov 19 08:12	0°♄	
desc. node	9288 Jun 13 23:35	13°♄50'38	desc. node	9290 Nov 29 15:20	12°♄26'46	
	9288 Jun 28 08:14	0°♄		9290 Dec 14 05:41	0°♄	

	9291 Jan 08 10:26	0° H		asc. node	9293 Sep 06 09:42	11° H 07'43	
	9291 Feb 03 02:09	0° Y		morning set	9293 Sep 14 02:30	20° H 37'41	
	9291 Mar 01 17:35	0° B			9293 Sep 21 16:51	0° B	
evening max el	9291 Mar 18 22:49	18° B 05'31	46°50'38		9293 Oct 16 00:24	0° M	
asc. node	9291 Mar 22 14:53	21° B 43'33					
	9291 Mar 31 10:06	0° II		superior conj	9293 Oct 21 05:26	6° M 25'34	1°21'58
greatest brilliancy	9291 Apr 28 15:38	19° II 03'59	-4.9m	minimum elong	9293 Oct 20 23:52	6° M 08'23	1°22'04
retrograde	9291 May 08 09:38	20° II 52'27		max. Earth dist.	9293 Oct 21 20:55	7° M 13'17	1.73243 AU
evening set	9291 May 26 05:53	14° II 46'14			9293 Nov 09 08:12	0° X	
inferior conj	9291 May 29 01:49	13° II 02'51	8°44'03	evening rise	9293 Nov 26 19:23	21° X 30'38	
minimum elong	9291 May 29 08:46	12° II 52'11	8°43'03		9293 Dec 03 16:57	0° Z	
min. Earth dist.	9291 May 29 04:42	12° II 58'27	0.27153 AU	desc. node	9293 Dec 27 03:11	28° Z 46'39	
morning rise	9291 Jun 01 11:42	10° II 58'51			9293 Dec 28 03:05	0° \approx	
direct	9291 Jun 18 17:50	5° II 14'42			9294 Jan 21 14:28	0° H	
greatest brilliancy	9291 Jun 28 11:59	7° II 02'27	-4.9m		9294 Feb 15 02:59	0° Y	
desc. node	9291 Jul 12 11:14	14° II 31'10			9294 Mar 11 18:07	0° B	
	9291 Jul 31 05:41	0° G			9294 Apr 05 16:44	0° II	
morning max el	9291 Aug 07 19:15	7° G 15'22	46°28'53	asc. node	9294 Apr 19 01:48	15° II 46'28	
	9291 Aug 29 14:38	0° O			9294 May 01 09:42	0° G	
	9291 Sep 25 09:37	0° H			9294 May 29 00:52	0° O	
	9291 Oct 21 04:36	0° B		evening max el	9294 May 30 17:16	1° O 42'09	46°49'08
asc. node	9291 Nov 02 08:58	14° B 25'43			9294 Jul 04 14:38	0° H	
	9291 Nov 15 09:33	0° M		greatest brilliancy	9294 Jul 09 04:23	2° H 03'21	-4.8m
	9291 Dec 10 04:37	0° X		retrograde	9294 Jul 20 00:12	4° H 13'39	
	9292 Jan 03 16:37	0° Z		evening set	9294 Aug 03 19:09	29° O 55'44	
	9292 Jan 27 23:49	0° \approx			9294 Aug 03 16:01	30° R 0	
morning set	9292 Feb 02 15:33	7° \approx 00'34		desc. node	9294 Aug 08 22:29	26° O 53'54	
	9292 Feb 21 03:31	0° H		min. Earth dist.	9294 Aug 09 13:48	26° O 30'12	0.27714 AU
desc. node	9292 Feb 22 01:45	1° H 09'16		inferior conj	9294 Aug 10 01:53	26° O 11'29	-0°17'17
max. Earth dist.	9292 Mar 10 01:36	22° H 21'25	1.71758 AU	minimum elong	9294 Aug 10 01:13	26° O 12'31	0°17'15
				morning rise	9294 Aug 16 08:01	22° O 29'51	
superior conj	9292 Mar 13 01:55	26° H 07'26	-0°46'16	direct	9294 Aug 31 02:12	18° O 17'53	
minimum elong	9292 Mar 12 15:46	25° H 35'43	0°45'48	greatest brilliancy	9294 Sep 09 18:20	20° O 00'20	-4.8m
	9292 Mar 16 04:17	0° Y			9294 Sep 27 15:29	0° H	
	9292 Apr 09 02:43	0° B		morning max el	9294 Oct 18 22:28	18° H 17'43	45°47'24
evening rise	9292 Apr 22 02:40	16° B 19'09			9294 Oct 30 17:10	0° B	
	9292 May 03 00:15	0° II			9294 Nov 27 11:23	0° M	
	9292 May 26 23:04	0° G		asc. node	9294 Nov 29 21:20	2° M 43'13	
asc. node	9292 Jun 13 22:55	22° G 24'55			9294 Dec 23 12:25	0° X	
	9292 Jun 20 01:40	0° O			9295 Jan 17 16:18	0° Z	
	9292 Jul 14 10:38	0° H			9295 Feb 11 07:50	0° \approx	
	9292 Aug 08 05:27	0° B			9295 Mar 07 15:37	0° H	
	9292 Sep 02 16:38	0° M		desc. node	9295 Mar 21 14:18	17° H 19'54	
	9292 Sep 29 10:52	0° X			9295 Mar 31 18:04	0° Y	
desc. node	9292 Oct 03 18:38	4° X 37'30		morning set	9295 Apr 18 00:01	21° Y 35'26	
evening max el	9292 Oct 22 03:00	23° X 13'59	45°43'55		9295 Apr 24 16:52	0° B	
	9292 Oct 29 09:57	0° Z			9295 May 18 13:50	0° II	
greatest brilliancy	9292 Nov 30 04:38	21° Z 18'02	-4.7m				
retrograde	9292 Dec 09 19:54	22° Z 58'31		superior conj	9295 May 28 13:21	12° II 32'37	-1°23'17
evening set	9292 Dec 26 04:09	17° Z 52'01		minimum elong	9295 May 28 20:31	12° II 55'09	1°23'28
inferior conj	9292 Dec 31 01:27	14° Z 53'32	-5°36'55	max. Earth dist.	9295 May 29 23:56	14° II 21'17	1.71317 AU
minimum elong	9292 Dec 31 11:25	14° Z 37'58	5°34'17		9295 Jun 11 11:00	0° G	
min. Earth dist.	9292 Dec 31 19:48	14° Z 24'53	0.28454 AU		9295 Jul 05 10:15	0° O	
morning rise	9293 Jan 05 18:18	11° Z 26'46		evening rise	9295 Jul 07 20:06	3° O 00'29	
direct	9293 Jan 21 10:15	6° Z 40'53		asc. node	9295 Jul 12 10:56	8° O 46'00	
asc. node	9293 Jan 24 18:36	6° Z 54'05			9295 Jul 29 12:54	0° H	
greatest brilliancy	9293 Feb 01 11:35	8° Z 56'52	-4.8m		9295 Aug 22 20:07	0° B	
	9293 Mar 03 07:15	0° \approx			9295 Sep 16 09:38	0° M	
morning max el	9293 Mar 12 12:18	8° \approx 52'53	46°31'57		9295 Oct 11 08:29	0° X	
	9293 Apr 01 11:36	0° H		desc. node	9295 Nov 01 05:50	24° X 35'58	
	9293 Apr 27 17:04	0° Y			9295 Nov 05 21:33	0° Z	
desc. node	9293 May 16 13:29	22° Y 26'31			9295 Dec 02 09:34	0° \approx	
	9293 May 22 19:49	0° B			9295 Dec 30 20:57	0° H	
	9293 Jun 16 10:02	0° II		evening max el	9296 Jan 02 18:22	2° H 49'59	46°07'39
	9293 Jul 10 18:46	0° G			9296 Feb 06 11:23	0° Y	
	9293 Aug 04 01:57	0° O		greatest brilliancy	9296 Feb 11 10:43	2° Y 05'51	-4.8m
	9293 Aug 28 09:17	0° H		retrograde	9296 Feb 21 05:20	3° Y 52'54	

asc. node	9296 Feb 22 05:49	3° Υ 51'39	superior conj	9298 Aug 10 08:47	26° Ω 30'08	0°03'27
	9296 Mar 06 06:31	30° \Re	minimum elong	9298 Aug 10 08:02	26° Ω 27'46	0°03'13
evening set	9296 Mar 07 02:00	29° \Re 34'06	behind sun begin	9298 Aug 09 08:16	25° Ω 13'56	
inferior conj	9296 Mar 12 23:57	26° \Re 04'29	behind sun end	9298 Aug 11 07:47	27° Ω 41'36	
minimum elong	9296 Mar 12 14:14	26° \Re 19'28	max. Earth dist.	9298 Aug 13 01:55	29° Ω 52'26	1.72416 AU
min. Earth dist.	9296 Mar 13 00:29	26° \Re 03'41		9298 Aug 13 04:21	0° \mathbb{M}	
morning rise	9296 Mar 18 02:06	23° \Re 01'08		9298 Sep 06 09:16	0° $\underline{\Omega}$	
direct	9296 Apr 02 18:21	18° \Re 10'45	evening rise	9298 Sep 17 01:22	13° $\underline{\Omega}$ 11'12	
greatest brilliancy	9296 Apr 12 22:29	20° \Re 07'15		9298 Sep 30 16:46	0° \mathbb{M}	
	9296 Apr 29 21:47	0° Υ		9298 Oct 25 03:47	0° \Re	
morning max el	9296 May 23 05:51	20° Υ 59'05		9298 Nov 18 19:40	0° $\underline{\Omega}$	
	9296 May 31 23:08	0° $\underline{\Omega}$	desc. node	9298 Nov 28 17:25	11° $\underline{\Omega}$ 57'50	
desc. node	9296 Jun 13 01:43	13° $\underline{\Omega}$ 07'57		9298 Dec 13 17:44	0° \approx	
	9296 Jun 27 23:50	0° \mathbb{I}		9299 Jan 07 23:28	0° \Re	
	9296 Jul 23 14:59	0° $\underline{\Omega}$		9299 Feb 02 16:55	0° Υ	
	9296 Aug 17 16:56	0° Ω		9299 Mar 01 11:59	0° \Re	
	9296 Sep 11 12:56	0° \mathbb{M}	evening max el	9299 Mar 16 13:17	15° \Re 43'48	46°49'29
asc. node	9296 Oct 03 22:23	27° \mathbb{M} 13'08	asc. node	9299 Mar 21 16:49	20° \Re 47'38	
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	9296 Oct 30 17:57	0° \mathbb{M}	greatest brilliancy	9299 Apr 26 04:11	16° \mathbb{I} 37'06	-4.9m
morning set	9296 Nov 21 21:44	27° \mathbb{M} 13'41	retrograde	9299 May 05 23:06	18° \mathbb{I} 25'49	
	9296 Nov 24 03:45	0° \Re	evening set	9299 May 23 21:17	12° \mathbb{I} 15'53	
	9296 Dec 18 11:22	0° $\underline{\Omega}$	inferior conj	9299 May 26 14:34	10° \mathbb{I} 36'19	8°51'20
max. Earth dist.	9296 Dec 27 00:33	10° $\underline{\Omega}$ 34'00	minimum elong	9299 May 26 20:42	10° \mathbb{I} 26'53	8°50'31
			min. Earth dist.	9299 May 26 16:43	10° \mathbb{I} 33'01	0.27150 AU
superior conj	9296 Dec 28 16:21	12° $\underline{\Omega}$ 37'02	morning rise	9299 May 29 20:12	8° \mathbb{I} 38'34	
minimum elong	9296 Dec 29 02:07	13° $\underline{\Omega}$ 07'13	direct	9299 Jun 16 07:07	2° \mathbb{I} 48'26	
	9297 Jan 11 17:36	0° \approx	greatest brilliancy	9299 Jun 25 23:34	4° \mathbb{I} 34'58	-4.9m
desc. node	9297 Jan 23 15:20	14° \approx 44'43	desc. node	9299 Jul 11 13:08	13° \mathbb{I} 10'50	
evening rise	9297 Feb 04 22:41	0° \Re 00'19		9299 Jul 31 08:01	0° $\underline{\Omega}$	
	9297 Feb 04 22:35	0° \Re	morning max el	9299 Aug 05 09:19	4° $\underline{\Omega}$ 54'15	46°30'29
	9297 Mar 01 02:12	0° Υ		9299 Aug 29 07:52	0° Ω	
	9297 Mar 25 04:50	0° \Re		9299 Sep 24 23:46	0° \mathbb{M}	
	9297 Apr 18 08:20	0° \mathbb{I}		9299 Oct 20 17:14	0° $\underline{\Omega}$	
	9297 May 12 16:05	0° $\underline{\Omega}$	asc. node	9299 Nov 01 10:58	13° $\underline{\Omega}$ 55'28	
asc. node	9297 May 16 13:15	4° $\underline{\Omega}$ 45'07		9299 Nov 14 21:21	0° \mathbb{M}	
	9297 Jun 06 09:08	0° Ω		9299 Dec 09 15:54	0° \Re	
	9297 Jul 01 19:52	0° \mathbb{M}		9300 Jan 03 03:38	0° $\underline{\Omega}$	
	9297 Jul 28 19:39	0° $\underline{\Omega}$		9300 Jan 27 10:43	0° \approx	
evening max el	9297 Aug 09 17:15	12° $\underline{\Omega}$ 11'07	morning set	9300 Jan 31 06:43	4° \approx 45'03	
	9297 Aug 29 15:40	0° \mathbb{M}		9300 Feb 20 14:23	0° \Re	
desc. node	9297 Sep 05 09:42	4° \mathbb{M} 52'39	desc. node	9300 Feb 21 03:39	0° \Re 41'19	
greatest brilliancy	9297 Sep 17 11:54	11° \mathbb{M} 17'06	max. Earth dist.	9300 Mar 08 12:12	19° \Re 50'35	1.71799 AU
retrograde	9297 Sep 28 06:36	13° \mathbb{M} 24'36				
evening set	9297 Oct 15 19:39	7° \mathbb{M} 34'15	superior conj	9300 Mar 11 14:37	23° \Re 43'00	-0°43'01
inferior conj	9297 Oct 19 19:38	5° \mathbb{M} 06'10	minimum elong	9300 Mar 11 05:01	23° \Re 13'01	0°42'32
minimum elong	9297 Oct 19 13:21	5° \mathbb{M} 16'01		9300 Mar 16 15:12	0° Υ	
min. Earth dist.	9297 Oct 19 09:49	5° \mathbb{M} 21'34		9300 Apr 09 13:43	0° \Re	
morning rise	9297 Oct 23 07:10	2° \mathbb{M} 56'53	evening rise	9300 Apr 20 14:03	13° \Re 49'29	
	9297 Oct 28 15:53	30° \Re $\underline{\Omega}$		9300 May 03 11:22	0° \mathbb{I}	
direct	9297 Nov 10 06:28	26° $\underline{\Omega}$ 51'55		9300 May 27 10:20	0° $\underline{\Omega}$	
greatest brilliancy	9297 Nov 20 10:04	28° $\underline{\Omega}$ 43'42	asc. node	9300 Jun 14 00:52	21° $\underline{\Omega}$ 55'28	
	9297 Nov 23 15:03	0° \mathbb{M}		9300 Jun 20 13:10	0° Ω	
asc. node	9297 Dec 27 09:06	25° \mathbb{M} 19'04		9300 Jul 14 22:30	0° \mathbb{M}	
morning max el	9297 Dec 29 06:51	27° \mathbb{M} 09'12		9300 Aug 08 17:57	0° $\underline{\Omega}$	
	9298 Jan 01 04:30	0° \Re		9300 Sep 03 06:25	0° \mathbb{M}	
	9298 Jan 29 08:29	0° $\underline{\Omega}$		9300 Sep 30 03:37	0° \Re	
	9298 Feb 24 07:56	0° \approx	desc. node	9300 Oct 03 20:41	3° \Re 56'42	
	9298 Mar 21 08:19	0° \Re	evening max el	9300 Oct 20 18:00	21° \Re 00'57	45°43'54
	9298 Apr 14 20:17	0° Υ		9300 Oct 30 12:54	0° $\underline{\Omega}$	
desc. node	9298 Apr 18 03:01	4° Υ 03'02	greatest brilliancy	9300 Nov 28 20:06	19° $\underline{\Omega}$ 06'13	-4.7m
	9298 May 09 00:55	0° \Re	retrograde	9300 Dec 08 10:31	20° $\underline{\Omega}$ 45'59	
	9298 Jun 02 01:38	0° \mathbb{I}	evening set	9300 Dec 24 22:26	15° $\underline{\Omega}$ 35'21	
	9298 Jun 26 01:13	0° $\underline{\Omega}$	inferior conj	9300 Dec 29 17:01	12° $\underline{\Omega}$ 40'34	-5°52'26
morning set	9298 Jul 02 09:41	7° $\underline{\Omega}$ 56'29	minimum elong	9300 Dec 30 03:05	12° $\underline{\Omega}$ 24'48	5°49'53
	9298 Jul 20 01:46	0° Ω	min. Earth dist.	9300 Dec 30 11:20	12° $\underline{\Omega}$ 11'53	0.28501 AU
asc. node	9298 Aug 08 23:06	24° Ω 45'26	morning rise	9301 Jan 04 07:20	9° $\underline{\Omega}$ 16'52	






























































































































direct	9301 Jan 20 01:59	4° Z 27'30			9303 Jun 11 21:44	0° G	
asc. node	9301 Jan 24 20:28	4° Z 53'52			9303 Jul 05 20:59	0° Q	
greatest brilliancy	9301 Jan 31 03:16	6° Z 42'47	-4.8m	evening rise	9303 Jul 06 08:49	0° Q 36'55	
	9301 Mar 04 08:45	0° \approx		asc. node	9303 Jul 12 12:47	8° Q 18'13	
morning max el	9301 Mar 11 02:26	6° \approx 33'39	46°30'24		9303 Jul 29 23:44	0° P	
	9301 Apr 02 04:21	0° H			9303 Aug 23 07:08	0° Q	
	9301 Apr 28 07:04	0° Y			9303 Sep 16 21:01	0° M	
desc. node	9301 May 16 15:33	21° Y 53'40			9303 Oct 11 20:31	0° X	
	9301 May 23 08:33	0° B		desc. node	9303 Nov 01 07:53	24° X 04'25	
	9301 Jun 16 22:03	0° II			9303 Nov 06 10:45	0° Z	
	9301 Jul 11 06:20	0° G			9303 Dec 03 01:13	0° \approx	
	9301 Aug 04 13:12	0° Q			9303 Dec 31 19:09	0° H	
	9301 Aug 28 20:15	0° P		evening max el	9304 Jan 01 08:06	0° H 31'28	46°06'21
asc. node	9301 Sep 06 11:42	10° P 40'13		greatest brilliancy	9304 Feb 09 23:43	29° H 43'42	-4.8m
morning set	9301 Sep 12 18:33	18° P 25'44			9304 Feb 10 19:02	0° Y	
	9301 Sep 22 03:37	0° Q		retrograde	9304 Feb 19 18:55	1° Y 31'14	
	9301 Oct 16 11:04	0° M		asc. node	9304 Feb 22 07:51	1° Y 23'24	
					9304 Feb 28 10:39	30° R H	
superior conj	9301 Oct 19 22:49	4° M 18'16	1°20'55	evening set	9304 Mar 05 13:17	27° H 14'38	
minimum elong	9301 Oct 19 16:41	3° M 59'20	1°20'58	inferior conj	9304 Mar 11 13:23	23° H 42'18	4°29'13
max. Earth dist.	9301 Oct 20 14:41	5° M 07'10	1.73231 AU	minimum elong	9304 Mar 11 04:08	23° H 56'32	4°26'39
	9301 Nov 09 18:53	0° X		min. Earth dist.	9304 Mar 11 14:30	23° H 40'35	0.27246 AU
evening rise	9301 Nov 25 12:14	19° X 21'43		morning rise	9304 Mar 16 18:37	20° H 34'52	
	9301 Dec 04 03:46	0° Z		direct	9304 Apr 01 08:06	15° H 47'55	
desc. node	9301 Dec 27 05:06	28° Z 18'42		greatest brilliancy	9304 Apr 11 13:24	17° H 45'50	-4.9m
	9301 Dec 28 14:08	0° \approx			9304 May 01 12:41	0° Y	
	9302 Jan 22 01:49	0° H		morning max el	9304 May 21 20:36	18° Y 39'08	46°59'31
	9302 Feb 15 14:46	0° Y			9304 Jun 01 18:26	0° B	
	9302 Mar 12 06:34	0° B		desc. node	9304 Jun 13 03:34	12° B 26'13	
	9302 Apr 06 06:20	0° II			9304 Jun 28 14:47	0° II	
asc. node	9302 Apr 19 03:54	15° II 10'11			9304 Jul 24 04:02	0° G	
	9302 May 02 01:35	0° G			9304 Aug 18 04:56	0° Q	
evening max el	9302 May 29 06:37	29° G 19'13	46°49'55		9304 Sep 12 00:17	0° P	
	9302 May 29 22:52	0° Q		asc. node	9304 Oct 04 00:23	26° P 45'45	
greatest brilliancy	9302 Jul 07 20:46	29° Q 46'14	-4.8m		9304 Oct 06 16:05	0° Q	
	9302 Jul 08 11:32	0° P			9304 Oct 31 04:39	0° M	
retrograde	9302 Jul 18 14:21	1° P 54'58		morning set	9304 Nov 20 14:58	25° M 06'28	
	9302 Jul 28 08:21	30° R Q			9304 Nov 24 14:18	0° X	
evening set	9302 Aug 02 10:19	27° Q 36'26			9304 Dec 18 21:53	0° Z	
min. Earth dist.	9302 Aug 08 05:24	24° Q 10'26	0.27674 AU	max. Earth dist.	9304 Dec 25 21:12	8° Z 36'56	1.72977 AU
inferior conj	9302 Aug 08 16:13	23° Q 53'41	0°05'12				
minimum elong	9302 Aug 08 16:25	23° Q 53'23	0°04'58	superior conj	9304 Dec 27 08:31	10° Z 26'05	0°59'55
transit middle	9302 Aug 08 16:25	23° Q 53'23	0°04'58	minimum elong	9304 Dec 27 18:20	10° Z 56'25	0°59'52
transit begin	9302 Aug 08 12:32	23° Q 59'23			9305 Jan 12 04:08	0° \approx	
transit end	9302 Aug 08 20:17	23° Q 47'23		desc. node	9305 Jan 23 17:12	14° \approx 17'38	
desc. node	9302 Aug 09 00:28	23° Q 40'54		evening rise	9305 Feb 03 13:17	27° \approx 43'38	
morning rise	9302 Aug 14 23:07	20° Q 10'48			9305 Feb 05 09:16	0° H	
direct	9302 Aug 29 15:33	16° Q 00'28			9305 Mar 01 13:04	0° Y	
greatest brilliancy	9302 Sep 08 09:11	17° Q 43'53	-4.8m		9305 Mar 25 15:58	0° B	
	9302 Sep 29 05:49	0° P			9305 Apr 18 19:47	0° II	
morning max el	9302 Oct 17 12:06	16° P 00'36	45°48'22		9305 May 13 03:59	0° G	
	9302 Oct 31 11:51	0° Q		asc. node	9305 May 16 15:11	4° G 14'19	
	9302 Nov 28 01:47	0° M			9305 Jun 06 21:51	0° Q	
asc. node	9302 Nov 29 23:18	2° M 08'39			9305 Jul 02 10:11	0° P	
	9302 Dec 24 01:02	0° X			9305 Jul 29 13:53	0° Q	
	9303 Jan 18 04:04	0° Z		evening max el	9305 Aug 08 09:27	10° Q 00'00	46°09'24
	9303 Feb 11 19:08	0° \approx			9305 Aug 31 04:51	0° M	
	9303 Mar 08 02:39	0° H		desc. node	9305 Sep 05 11:44	3° M 37'46	
desc. node	9303 Mar 21 16:20	16° H 52'04		greatest brilliancy	9305 Sep 16 02:27	9° M 05'45	-4.8m
	9303 Apr 01 04:58	0° Y		retrograde	9305 Sep 26 23:26	11° M 15'00	
morning set	9303 Apr 16 10:54	19° Y 05'05		evening set	9305 Oct 14 08:45	5° M 29'02	
	9303 Apr 25 03:41	0° B		inferior conj	9305 Oct 18 11:43	2° M 56'28	-8°04'47
	9303 May 19 00:35	0° II		minimum elong	9305 Oct 18 04:50	3° M 07'14	8°03'54
				min. Earth dist.	9305 Oct 18 00:26	3° M 14'08	0.29026 AU
superior conj	9303 May 27 01:05	10° II 05'00	-1°24'26	morning rise	9305 Oct 22 01:06	0° M 44'34	
minimum elong	9303 May 27 07:24	10° II 24'50	1°24'38		9305 Oct 23 07:16	30° R Q	
max. Earth dist.	9303 May 28 04:20	11° II 30'37	1.71301 AU	direct	9305 Nov 08 22:49	24° Q 42'47	

greatest brilliancy	9305 Nov 19 00:24	26°♄33'10	-4.7m		9308 May 26 21:17	0°♄	
	9305 Nov 26 15:10	0°♍		asc. node	9308 Jun 13 02:44	21°♄26'49	
asc. node	9305 Dec 27 10:59	24°♍30'19			9308 Jun 20 00:22	0°♌	
morning max el	9305 Dec 27 23:02	24°♍59'28	45°47'52		9308 Jul 14 10:04	0°♍	
	9306 Jan 02 00:47	0°♎			9308 Aug 08 06:11	0°♎	
	9306 Jan 29 23:21	0°♏			9308 Sep 02 19:59	0°♍	
	9306 Feb 24 20:49	0°♐			9308 Sep 29 20:19	0°♎	
	9306 Mar 21 20:16	0°♑		desc. node	9308 Oct 02 22:45	3°♎16'31	
	9306 Apr 15 07:43	0°♒		evening max el	9308 Oct 18 08:09	18°♎46'54	45°43'56
desc. node	9306 Apr 18 04:58	3°♒33'55			9308 Oct 30 17:05	0°♏	
	9306 May 09 12:02	0°♓		greatest brilliancy	9308 Nov 26 11:32	16°♏55'24	-4.7m
	9306 Jun 02 12:32	0°♐		retrograde	9308 Dec 06 01:00	18°♏34'45	
	9306 Jun 26 11:56	0°♑		evening set	9308 Dec 22 16:43	13°♏19'35	
morning set	9306 Jun 30 22:52	5°♑34'14		inferior conj	9308 Dec 27 08:37	10°♏28'41	-6°07'21
	9306 Jul 20 12:21	0°♒		minimum elong	9308 Dec 27 18:43	10°♏12'51	6°04'52
				min. Earth dist.	9308 Dec 28 03:06	9°♏59'44	0.28553 AU
superior conj	9306 Aug 08 23:25	24°♒13'47	-0°00'11	morning rise	9309 Jan 01 20:18	7°♏08'21	
minimum elong	9306 Aug 08 23:30	24°♒14'04	0°00'22	direct	9309 Jan 17 17:26	2°♏14'54	
behind sun begin	9306 Aug 07 23:25	22°♒59'09		asc. node	9309 Jan 23 22:33	2°♏59'00	
behind sun end	9306 Aug 09 23:36	25°♒28'58		greatest brilliancy	9309 Jan 28 19:36	4°♏30'20	-4.8m
asc. node	9306 Aug 09 01:09	24°♒19'12			9309 Mar 04 08:49	0°♐	
max. Earth dist.	9306 Aug 11 20:02	27°♒47'00	1.72373 AU	morning max el	9309 Mar 08 16:36	4°♐14'54	46°28'46
	9306 Aug 13 14:51	0°♑			9309 Apr 01 20:39	0°♑	
	9306 Sep 06 19:44	0°♒			9309 Apr 27 20:48	0°♒	
evening rise	9306 Sep 15 18:20	11°♒03'07		desc. node	9309 May 15 17:26	21°♒20'51	
	9306 Oct 01 03:18	0°♓			9309 May 22 21:02	0°♓	
	9306 Oct 25 14:31	0°♎			9309 Jun 16 09:49	0°♐	
	9306 Nov 19 06:48	0°♏			9309 Jul 10 17:39	0°♑	
desc. node	9306 Nov 28 19:16	11°♏29'13			9309 Aug 04 00:11	0°♒	
	9306 Dec 14 05:31	0°♐			9309 Aug 28 07:00	0°♑	
	9307 Jan 08 12:16	0°♑		asc. node	9309 Sep 05 13:40	10°♑13'21	
	9307 Feb 03 07:30	0°♒		morning set	9309 Sep 10 10:36	16°♑14'18	
	9307 Mar 02 06:26	0°♓			9309 Sep 21 14:11	0°♒	
evening max el	9307 Mar 15 03:29	13°♓22'35	46°48'26		9309 Oct 15 21:33	0°♓	
asc. node	9307 Mar 21 18:54	19°♓52'09					
	9307 Apr 02 02:19	0°♐		superior conj	9309 Oct 17 16:21	2°♓12'01	1°19'45
greatest brilliancy	9307 Apr 24 17:21	14°♐12'23	-4.9m	minimum elong	9309 Oct 17 09:40	1°♓51'22	1°19'46
retrograde	9307 May 04 12:10	16°♐00'30		max. Earth dist.	9309 Oct 18 07:32	2°♓58'49	1.73217 AU
evening set	9307 May 22 12:30	9°♐47'33			9309 Nov 09 05:23	0°♎	
inferior conj	9307 May 25 03:24	8°♐11'21	8°57'44	evening rise	9309 Nov 23 05:21	17°♎14'15	
minimum elong	9307 May 25 08:41	8°♐03'12	8°57'03		9309 Dec 03 14:22	0°♏	
min. Earth dist.	9307 May 25 05:06	8°♐08'44	0.27146 AU	desc. node	9309 Dec 26 07:03	27°♏51'32	
morning rise	9307 May 28 04:56	6°♐19'27			9309 Dec 28 00:58	0°♐	
direct	9307 Jun 14 20:13	0°♐23'42			9310 Jan 21 13:01	0°♑	
greatest brilliancy	9307 Jun 24 11:38	2°♐09'12	-4.9m		9310 Feb 15 02:29	0°♒	
desc. node	9307 Jul 11 15:07	11°♐54'27			9310 Mar 11 19:04	0°♓	
	9307 Aug 01 08:30	0°♑			9310 Apr 05 20:05	0°♐	
morning max el	9307 Aug 03 22:37	2°♑32'16	46°32'04	asc. node	9310 Apr 18 05:48	14°♐33'01	
	9307 Aug 30 00:19	0°♒			9310 May 01 17:45	0°♑	
	9307 Sep 25 13:21	0°♓		evening max el	9310 May 26 19:40	26°♑55'38	46°50'56
	9307 Oct 21 05:22	0°♎			9310 May 29 21:46	0°♒	
asc. node	9307 Nov 01 12:55	13°♎26'22		greatest brilliancy	9310 Jul 05 12:42	27°♒28'35	-4.9m
	9307 Nov 15 08:41	0°♍		retrograde	9310 Jul 16 04:47	29°♒36'28	
	9307 Dec 10 02:48	0°♎		evening set	9310 Jul 31 01:35	25°♒16'41	
	9308 Jan 03 14:19	0°♏		inferior conj	9310 Aug 06 06:29	21°♒35'49	0°27'51
	9308 Jan 27 21:20	0°♐		minimum elong	9310 Aug 06 07:33	21°♒34'10	0°27'18
morning set	9308 Jan 29 21:39	2°♐29'41		min. Earth dist.	9310 Aug 05 20:48	21°♒50'48	0.27633 AU
desc. node	9308 Feb 21 05:42	0°♑14'37		desc. node	9310 Aug 08 02:33	20°♒27'58	
	9308 Feb 21 01:01	0°♑		morning rise	9310 Aug 12 14:01	17°♒52'11	
max. Earth dist.	9308 Mar 05 21:06	17°♑15'22	1.71840 AU	direct	9310 Aug 27 04:45	13°♒42'50	
				greatest brilliancy	9310 Sep 05 23:57	15°♒27'28	-4.8m
superior conj	9308 Mar 09 03:04	21°♑18'46	-0°39'39		9310 Sep 29 16:21	0°♑	
minimum elong	9308 Mar 08 18:04	20°♑50'40	0°39'10	morning max el	9310 Oct 15 02:39	13°♑45'57	45°49'24
	9308 Mar 16 01:50	0°♒			9310 Oct 31 05:57	0°♒	
	9308 Apr 09 00:25	0°♓			9310 Nov 27 15:55	0°♓	
evening rise	9308 Apr 18 01:13	11°♓20'10		asc. node	9310 Nov 29 01:08	1°♓34'13	
	9308 May 02 22:09	0°♐			9310 Dec 23 13:31	0°♎	

	9311 Jan 17 15:43	0°♁		desc. node	9313 Sep 04 13:43	2°♌19'12	
	9311 Feb 11 06:21	0°♊		greatest brilliancy	9313 Sep 13 17:38	6°♌53'53	-4.8m
	9311 Mar 07 13:39	0°♋		retrograde	9313 Sep 24 15:58	9°♌03'59	
desc. node	9311 Mar 20 18:16	16°♋24'01		evening set	9313 Oct 11 21:47	3°♌22'55	
	9311 Mar 31 15:52	0°♌		min. Earth dist.	9313 Oct 15 15:11	1°♌05'22	0.28995 AU
morning set	9311 Apr 13 21:32	16°♌33'49		inferior conj	9313 Oct 16 03:45	0°♌45'39	-7°57'22
	9311 Apr 24 14:33	0°♍		minimum elong	9313 Oct 15 20:21	0°♌57'17	7°56'22
	9311 May 18 11:27	0°♎			9313 Oct 17 08:55	30°♌♌	
				morning rise	9313 Oct 19 19:08	28°♌30'46	
superior conj	9311 May 24 12:15	7°♎35'10	-1°25'26	direct	9313 Nov 06 15:10	22°♌32'48	
minimum elong	9311 May 24 17:37	7°♎52'03	1°25'38	greatest brilliancy	9313 Nov 16 14:21	24°♌21'14	-4.7m
max. Earth dist.	9311 May 25 09:33	8°♎42'07	1.71288 AU		9313 Nov 27 23:38	0°♌	
	9311 Jun 11 08:34	0°♏		morning max el	9313 Dec 25 14:37	22°♌47'35	45°46'56
evening rise	9311 Jul 03 20:59	28°♏11'18		asc. node	9313 Dec 26 13:05	23°♌42'11	
	9311 Jul 05 07:50	0°♐			9314 Jan 01 20:43	0°♐	
asc. node	9311 Jul 11 14:47	7°♐50'35			9314 Jan 29 14:17	0°♑	
	9311 Jul 29 10:38	0°♑			9314 Feb 24 09:53	0°♒	
	9311 Aug 22 18:14	0°♒			9314 Mar 21 08:25	0°♓	
	9311 Sep 16 08:29	0°♓			9314 Apr 14 19:22	0°♑	
	9311 Oct 11 08:38	0°♑		desc. node	9314 Apr 17 06:51	3°♑03'50	
desc. node	9311 Oct 31 09:45	23°♑32'01			9314 May 08 23:23	0°♒	
	9311 Nov 06 00:08	0°♑			9314 Jun 01 23:39	0°♒	
	9311 Dec 02 17:10	0°♒			9314 Jun 25 22:55	0°♓	
evening max el	9311 Dec 29 22:53	28°♒15'41	46°05'05	morning set	9314 Jun 28 12:02	3°♓11'05	
	9311 Dec 31 18:17	0°♓			9314 Jul 19 23:15	0°♑	
greatest brilliancy	9312 Feb 07 12:26	27°♓21'40	-4.8m				
retrograde	9312 Feb 17 08:48	29°♓09'48		superior conj	9314 Aug 06 13:50	21°♑55'34	-0°03'48
asc. node	9312 Feb 21 09:50	28°♓49'52		minimum elong	9314 Aug 06 14:46	21°♑58'29	0°03'57
evening set	9312 Mar 03 00:59	24°♓55'16		behind sun begin	9314 Aug 05 15:06	20°♑44'54	
inferior conj	9312 Mar 09 02:54	21°♓20'20	4°08'18	behind sun end	9314 Aug 07 14:26	23°♑12'04	
minimum elong	9312 Mar 08 18:12	21°♓33'42	4°05'51	asc. node	9314 Aug 08 03:06	23°♑51'26	
min. Earth dist.	9312 Mar 09 04:23	21°♓18'03	0.27270 AU	max. Earth dist.	9314 Aug 09 13:30	25°♑38'21	1.72332 AU
morning rise	9312 Mar 14 11:06	18°♓08'57			9314 Aug 13 01:43	0°♑	
direct	9312 Mar 29 22:26	13°♓25'27			9314 Sep 06 06:35	0°♒	
greatest brilliancy	9312 Apr 09 03:53	15°♓23'58	-4.9m	evening rise	9314 Sep 13 10:54	8°♒52'32	
	9312 May 01 23:54	0°♑			9314 Sep 30 14:13	0°♓	
morning max el	9312 May 19 11:49	16°♑19'58	46°59'19		9314 Oct 25 01:37	0°♑	
	9312 Jun 01 13:25	0°♒			9314 Nov 18 18:18	0°♑	
desc. node	9312 Jun 12 05:32	11°♒44'37		desc. node	9314 Nov 27 21:15	11°♒00'00	
	9312 Jun 28 05:49	0°♒			9314 Dec 13 17:41	0°♒	
	9312 Jul 23 17:16	0°♓			9315 Jan 08 01:30	0°♓	
	9312 Aug 17 17:09	0°♑			9315 Feb 02 22:38	0°♑	
	9312 Sep 11 11:50	0°♑			9315 Mar 02 01:46	0°♒	
asc. node	9312 Oct 03 02:15	26°♑17'25		evening max el	9315 Mar 12 17:11	10°♒59'13	46°47'19
	9312 Oct 06 03:12	0°♒		asc. node	9315 Mar 20 20:50	18°♒54'13	
	9312 Oct 30 15:30	0°♓			9315 Apr 02 15:02	0°♒	
morning set	9312 Nov 18 08:16	22°♓58'59		greatest brilliancy	9315 Apr 22 07:11	11°♒47'50	-4.9m
	9312 Nov 24 01:01	0°♑		retrograde	9315 May 02 00:50	13°♒34'55	
	9312 Dec 18 08:33	0°♑		evening set	9315 May 20 03:28	7°♒19'40	
max. Earth dist.	9312 Dec 23 16:51	6°♒36'15	1.73001 AU	inferior conj	9315 May 22 16:27	5°♒46'15	9°02'59
				minimum elong	9315 May 22 20:50	5°♒39'28	9°02'26
superior conj	9312 Dec 25 00:57	8°♒15'27	1°02'18	min. Earth dist.	9315 May 22 18:00	5°♒43'51	0.27141 AU
minimum elong	9312 Dec 25 10:44	8°♒45'40	1°02'16	morning rise	9315 May 25 14:15	3°♒59'42	
	9313 Jan 11 14:52	0°♒			9315 Jun 02 09:06	30°♒♒	
desc. node	9313 Jan 22 19:16	13°♒50'35		direct	9315 Jun 12 08:59	27°♒58'42	
evening rise	9313 Feb 01 04:10	25°♒27'24		greatest brilliancy	9315 Jun 22 00:26	29°♒43'50	-4.9m
	9313 Feb 04 20:07	0°♓			9315 Jun 22 18:20	0°♒	
	9313 Mar 01 00:07	0°♑		desc. node	9315 Jul 10 17:12	10°♒40'00	
	9313 Mar 25 03:16	0°♒			9315 Aug 01 08:09	0°♓	
	9313 Apr 18 07:26	0°♒		morning max el	9315 Aug 01 11:16	0°♓07'44	46°33'34
	9313 May 12 16:11	0°♓			9315 Aug 29 16:48	0°♑	
asc. node	9313 May 15 17:06	3°♓42'39			9315 Sep 25 03:12	0°♑	
	9313 Jun 06 10:58	0°♑			9315 Oct 20 17:52	0°♒	
	9313 Jul 02 01:03	0°♑		asc. node	9315 Oct 31 14:48	12°♒55'55	
	9313 Jul 29 09:06	0°♒			9315 Nov 14 20:23	0°♓	
evening max el	9313 Aug 06 02:04	7°♒48'35	46°10'54		9315 Dec 09 14:03	0°♑	
	9313 Aug 31 23:26	0°♓			9316 Jan 03 01:20	0°♑	

	9316 Jan 27 08:15	0°≈		minimum elong	9318 Aug 03 22:35	19°Ω13'58	0°49'39
morning set	9316 Jan 27 12:38	0°≈13'35		min. Earth dist.	9318 Aug 03 11:51	19°Ω30'31	0.27593 AU
desc. node	9316 Feb 20 07:35	29°≈46'26		desc. node	9318 Aug 07 04:26	17°Ω15'28	
	9316 Feb 20 11:56	0°✕		morning rise	9318 Aug 10 04:40	15°Ω33'04	
max. Earth dist.	9316 Mar 03 07:36	14°✕44'10	1.71885 AU	direct	9318 Aug 24 18:13	11°Ω24'16	
				greatest brilliancy	9318 Sep 03 14:12	13°Ω09'53	-4.8m
superior conj	9316 Mar 06 15:43	18°✕54'13	-0°36'14		9318 Sep 30 00:14	0°♐	
minimum elong	9316 Mar 06 07:21	18°✕28'08	0°35'46	morning max el	9318 Oct 12 17:56	11°♐32'40	45°50'28
	9316 Mar 15 12:49	0°♑			9318 Oct 30 23:45	0°♑	
	9316 Apr 08 11:27	0°♑			9318 Nov 27 06:04	0°♐	
evening rise	9316 Apr 15 12:43	8°♑50'52		asc. node	9318 Nov 28 03:14	1°♐00'12	
	9316 May 02 09:17	0°♐			9318 Dec 23 02:07	0°♑	
	9316 May 26 08:34	0°♑			9319 Jan 17 03:32	0°♑	
asc. node	9316 Jun 12 04:48	20°♑57'51			9319 Feb 10 17:45	0°≈	
	9316 Jun 19 11:52	0°Ω			9319 Mar 07 00:48	0°✕	
	9316 Jul 13 21:57	0°♐		desc. node	9319 Mar 19 20:08	15°✕55'18	
	9316 Aug 07 18:47	0°♑			9319 Mar 31 02:53	0°♑	
	9316 Sep 02 10:02	0°♐		morning set	9319 Apr 11 08:17	14°♑02'40	
	9316 Sep 29 13:49	0°♑			9319 Apr 24 01:32	0°♑	
desc. node	9316 Oct 02 00:36	2°♑34'09			9319 May 17 22:25	0°♐	
evening max el	9316 Oct 15 22:10	16°♑31'25	45°44'02				
	9316 Oct 30 23:55	0°♑		superior conj	9319 May 21 23:24	5°♐04'56	-1°26'15
greatest brilliancy	9316 Nov 24 02:38	14°♑43'13	-4.7m	minimum elong	9319 May 22 03:47	5°♐18'42	1°26'29
retrograde	9316 Dec 03 15:56	16°♑22'52		max. Earth dist.	9319 May 22 18:06	6°♐03'41	1.71280 AU
evening set	9316 Dec 20 11:04	11°♑02'51			9319 Jun 10 19:32	0°♑	
inferior conj	9316 Dec 25 00:19	8°♑16'01	-6°21'34	evening rise	9319 Jul 01 09:10	25°♑45'12	
minimum elong	9316 Dec 25 10:25	8°♑00'11	6°19'10		9319 Jul 04 18:49	0°Ω	
min. Earth dist.	9316 Dec 25 18:51	7°♑46'58	0.28604 AU	asc. node	9319 Jul 10 16:45	7°Ω22'29	
morning rise	9316 Dec 30 09:17	4°♑59'28			9319 Jul 28 21:42	0°♐	
direct	9317 Jan 15 08:53	0°♑01'30			9319 Aug 22 05:28	0°♑	
asc. node	9317 Jan 23 00:31	1°♑07'32			9319 Sep 15 20:04	0°♐	
greatest brilliancy	9317 Jan 26 12:12	2°♑17'38	-4.8m		9319 Oct 10 20:54	0°♑	
	9317 Mar 04 08:06	0°≈		desc. node	9319 Oct 30 11:47	22°♑59'45	
morning max el	9317 Mar 06 07:24	1°≈57'07	46°27'10		9319 Nov 05 13:41	0°♑	
	9317 Apr 01 12:56	0°✕			9319 Dec 02 09:31	0°≈	
	9317 Apr 27 10:40	0°♑		evening max el	9319 Dec 27 14:17	26°≈01'07	46°03'40
desc. node	9317 May 14 19:22	20°♑47'28			9319 Dec 31 18:43	0°✕	
	9317 May 22 09:44	0°♑		greatest brilliancy	9320 Feb 05 01:23	24°✕59'30	-4.8m
	9317 Jun 15 21:50	0°♐		retrograde	9320 Feb 14 22:25	26°✕47'39	
	9317 Jul 10 05:12	0°♑		asc. node	9320 Feb 20 11:46	26°✕10'04	
	9317 Aug 03 11:24	0°Ω		evening set	9320 Feb 29 12:55	22°✕35'17	
	9317 Aug 27 17:57	0°♐		inferior conj	9320 Mar 06 16:22	18°✕57'55	3°46'52
asc. node	9317 Sep 04 15:30	9°♐45'23		minimum elong	9320 Mar 06 08:16	19°✕10'22	3°44'35
morning set	9317 Sep 08 02:47	14°♐02'31		min. Earth dist.	9320 Mar 06 18:17	18°✕54'57	0.27292 AU
	9317 Sep 21 00:58	0°♑		morning rise	9320 Mar 12 03:22	15°✕42'37	
				direct	9320 Mar 27 12:56	11°✕02'47	
superior conj	9317 Oct 15 09:53	0°♐04'57	1°18'28	greatest brilliancy	9320 Apr 06 18:11	13°✕01'28	-4.9m
minimum elong	9317 Oct 15 02:41	29°♑42'44	1°18'28		9320 May 02 08:15	0°♑	
	9317 Oct 15 08:17	0°♐		morning max el	9320 May 17 02:18	13°♑58'54	46°59'01
max. Earth dist.	9317 Oct 16 01:24	0°♐52'48	1.73209 AU		9320 Jun 01 07:56	0°♑	
	9317 Nov 08 16:10	0°♑		desc. node	9320 Jun 11 07:38	11°♑03'44	
evening rise	9317 Nov 20 22:27	15°♑05'55			9320 Jun 27 20:38	0°♐	
	9317 Dec 03 01:17	0°♑			9320 Jul 23 06:24	0°♑	
desc. node	9317 Dec 25 09:03	27°♑23'37			9320 Aug 17 05:19	0°Ω	
	9317 Dec 27 12:07	0°≈			9320 Sep 10 23:22	0°♐	
	9318 Jan 21 00:30	0°✕		asc. node	9320 Oct 02 04:12	25°♐49'19	
	9318 Feb 14 14:30	0°♑			9320 Oct 05 14:19	0°♑	
	9318 Mar 11 07:53	0°♑			9320 Oct 30 02:19	0°♐	
asc. node	9318 Apr 05 10:13	0°♐		morning set	9320 Nov 16 01:43	20°♐52'03	
	9318 Apr 17 07:45	13°♐54'57			9320 Nov 23 11:41	0°♑	
	9318 May 01 10:30	0°♑			9320 Dec 17 19:11	0°♑	
evening max el	9318 May 24 09:32	24°♑33'19	46°51'53	max. Earth dist.	9320 Dec 21 11:28	4°♑32'37	1.73025 AU
	9318 May 29 22:03	0°Ω					
greatest brilliancy	9318 Jul 03 04:05	25°Ω09'21	-4.9m	superior conj	9320 Dec 22 17:34	6°♑05'34	1°04'34
retrograde	9318 Jul 13 19:40	27°Ω17'03		minimum elong	9320 Dec 23 03:14	6°♑35'27	1°04'33
evening set	9318 Jul 28 16:58	22°Ω55'41			9321 Jan 11 01:35	0°≈	
inferior conj	9318 Aug 03 20:39	19°Ω16'56	0°50'29	desc. node	9321 Jan 21 21:09	13°≈23'03	

evening rise	9321 Jan 29 19:02	23° \approx 11'04		greatest brilliancy	9323 Jun 19 13:39	27° \mathcal{B} 18'46	-4.9m
	9321 Feb 04 07:00	0° \mathcal{H}			9323 Jun 25 16:28	0° Π	
	9321 Feb 28 11:12	0° \mathcal{Y}		desc. node	9323 Jul 09 19:05	9° Π 27'28	
	9321 Mar 24 14:36	0° \mathcal{B}		morning max el	9323 Jul 29 23:40	27° Π 42'42	46°35'12
	9321 Apr 17 19:07	0° Π			9323 Aug 01 06:39	0° \mathcal{G}	
	9321 May 12 04:24	0° \mathcal{G}			9323 Aug 29 08:46	0° \mathcal{Q}	
asc. node	9321 May 14 19:09	3° \mathcal{G} 11'27			9323 Sep 24 16:38	0° \mathcal{M}	
	9321 Jun 06 00:07	0° \mathcal{Q}			9323 Oct 20 06:00	0° \mathcal{L}	
	9321 Jul 01 16:03	0° \mathcal{M}		asc. node	9323 Oct 30 16:48	12° \mathcal{L} 26'45	
	9321 Jul 29 04:47	0° \mathcal{L}			9323 Nov 14 07:45	0° \mathcal{M}	
evening max el	9321 Aug 03 18:08	5° \mathcal{L} 35'48	46°12'19		9323 Dec 09 00:59	0° \mathcal{X}	
	9321 Sep 02 00:42	0° \mathcal{M}			9324 Jan 02 12:03	0° \mathcal{Z}	
desc. node	9321 Sep 03 15:40	0° \mathcal{M} 58'10		morning set	9324 Jan 25 03:57	27° \mathcal{Z} 59'26	
greatest brilliancy	9321 Sep 11 09:27	4° \mathcal{M} 42'45	-4.8m		9324 Jan 26 18:52	0° \approx	
retrograde	9321 Sep 22 07:57	6° \mathcal{M} 52'54		desc. node	9324 Feb 19 09:28	29° \approx 19'19	
evening set	9321 Oct 09 10:40	1° \mathcal{M} 17'07			9324 Feb 19 22:32	0° \mathcal{H}	
	9321 Oct 11 13:26	30° \mathcal{R} \mathcal{L}		max. Earth dist.	9324 Feb 29 21:14	12° \mathcal{H} 23'54	1.71930 AU
inferior conj	9321 Oct 13 19:44	28° \mathcal{L} 35'03	-7°49'10				
minimum elong	9321 Oct 13 11:49	28° \mathcal{L} 47'30	7°48'03	superior conj	9324 Mar 04 04:39	16° \mathcal{H} 31'41	-0°32'46
min. Earth dist.	9321 Oct 13 06:17	28° \mathcal{L} 56'11	0.28959 AU	minimum elong	9324 Mar 03 21:00	16° \mathcal{H} 07'47	0°32'20
morning rise	9321 Oct 17 13:13	26° \mathcal{L} 16'53			9324 Mar 14 23:26	0° \mathcal{Y}	
direct	9321 Nov 04 07:09	20° \mathcal{L} 23'04			9324 Apr 07 22:10	0° \mathcal{B}	
greatest brilliancy	9321 Nov 14 04:40	22° \mathcal{L} 09'53	-4.7m	evening rise	9324 Apr 13 00:27	6° \mathcal{B} 23'26	
	9321 Nov 28 22:36	0° \mathcal{M}			9324 May 01 20:08	0° Π	
morning max el	9321 Dec 23 05:12	20° \mathcal{M} 33'45	45°46'08		9324 May 25 19:35	0° \mathcal{G}	
asc. node	9321 Dec 25 15:01	22° \mathcal{M} 54'54		asc. node	9324 Jun 11 06:42	20° \mathcal{G} 29'08	
	9322 Jan 01 15:50	0° \mathcal{X}			9324 Jun 18 23:07	0° \mathcal{Q}	
	9322 Jan 29 04:50	0° \mathcal{Z}			9324 Jul 13 09:36	0° \mathcal{M}	
	9322 Feb 23 22:42	0° \approx			9324 Aug 07 07:10	0° \mathcal{L}	
	9322 Mar 20 20:24	0° \mathcal{H}			9324 Sep 01 23:57	0° \mathcal{M}	
	9322 Apr 14 06:54	0° \mathcal{Y}			9324 Sep 29 07:23	0° \mathcal{X}	
desc. node	9322 Apr 16 08:51	2° \mathcal{Y} 34'28		desc. node	9324 Oct 01 02:39	1° \mathcal{X} 52'40	
	9322 May 08 10:37	0° \mathcal{B}		evening max el	9324 Oct 13 12:17	14° \mathcal{X} 17'07	45°44'18
	9322 Jun 01 10:40	0° Π			9324 Oct 31 08:54	0° \mathcal{Z}	
	9322 Jun 25 09:46	0° \mathcal{G}		greatest brilliancy	9324 Nov 21 16:59	12° \mathcal{Z} 31'07	-4.7m
morning set	9322 Jun 26 00:48	0° \mathcal{G} 47'01		retrograde	9324 Dec 01 07:16	14° \mathcal{Z} 11'50	
	9322 Jul 19 09:59	0° \mathcal{Q}		evening set	9324 Dec 18 05:20	8° \mathcal{Z} 46'45	
				inferior conj	9324 Dec 22 15:53	6° \mathcal{Z} 04'02	-6°35'10
superior conj	9322 Aug 04 03:58	19° \mathcal{Q} 37'03	-0°07'25	minimum elong	9324 Dec 23 01:55	5° \mathcal{Z} 48'19	6°32'53
minimum elong	9322 Aug 04 05:46	19° \mathcal{Q} 42'41	0°07'32	min. Earth dist.	9324 Dec 23 10:10	5° \mathcal{Z} 35'25	0.28653 AU
behind sun begin	9322 Aug 03 08:03	18° \mathcal{Q} 35'07		morning rise	9324 Dec 27 22:03	2° \mathcal{Z} 51'40	
behind sun end	9322 Aug 05 03:29	20° \mathcal{Q} 50'13			9325 Jan 02 14:51	30° \mathcal{R} \mathcal{X}	
asc. node	9322 Aug 07 04:54	23° \mathcal{Q} 23'51		direct	9325 Jan 13 00:34	27° \mathcal{X} 48'45	
max. Earth dist.	9322 Aug 07 06:15	23° \mathcal{Q} 28'04	1.72287 AU	asc. node	9325 Jan 22 02:25	29° \mathcal{X} 20'49	
	9322 Aug 12 12:23	0° \mathcal{M}			9325 Jan 23 22:42	0° \mathcal{Z}	
	9322 Sep 05 17:15	0° \mathcal{L}		greatest brilliancy	9325 Jan 24 04:27	0° \mathcal{Z} 05'32	-4.8m
evening rise	9322 Sep 11 03:19	6° \mathcal{L} 41'58		morning max el	9325 Mar 03 23:05	29° \mathcal{Z} 42'45	46°25'45
	9322 Sep 30 00:57	0° \mathcal{M}			9325 Mar 04 06:00	0° \approx	
	9322 Oct 24 12:34	0° \mathcal{X}			9325 Apr 01 04:30	0° \mathcal{H}	
	9322 Nov 18 05:37	0° \mathcal{Z}			9325 Apr 26 23:59	0° \mathcal{Y}	
desc. node	9322 Nov 26 23:17	10° \mathcal{Z} 31'31		desc. node	9325 May 13 21:24	20° \mathcal{Y} 15'49	
	9322 Dec 13 05:39	0° \approx			9325 May 21 21:57	0° \mathcal{B}	
	9323 Jan 07 14:34	0° \mathcal{H}			9325 Jun 15 09:27	0° Π	
	9323 Feb 02 13:41	0° \mathcal{Y}			9325 Jul 09 16:25	0° \mathcal{G}	
	9323 Mar 01 21:24	0° \mathcal{B}			9325 Aug 02 22:18	0° \mathcal{Q}	
evening max el	9323 Mar 10 05:40	8° \mathcal{B} 33'24	46°45'59		9325 Aug 27 04:36	0° \mathcal{M}	
asc. node	9323 Mar 19 22:47	17° \mathcal{B} 55'28		asc. node	9325 Sep 03 17:30	9° \mathcal{M} 18'45	
	9323 Apr 03 07:52	0° Π		morning set	9325 Sep 05 18:34	11° \mathcal{M} 50'20	
greatest brilliancy	9323 Apr 19 20:52	9° Π 23'02	-4.9m		9325 Sep 20 11:28	0° \mathcal{L}	
retrograde	9323 Apr 29 13:02	11° Π 09'07					
evening set	9323 May 17 17:39	4° Π 52'09		superior conj	9325 Oct 13 03:03	27° \mathcal{L} 57'39	1°17'03
inferior conj	9323 May 20 05:14	3° Π 20'51	9°07'08	minimum elong	9325 Oct 12 19:23	27° \mathcal{L} 34'00	1°17'01
minimum elong	9323 May 20 08:40	3° Π 15'33	9°06'43	max. Earth dist.	9325 Oct 13 20:54	28° \mathcal{L} 52'44	1.73196 AU
min. Earth dist.	9323 May 20 06:53	3° Π 18'18	0.27140 AU		9325 Oct 14 18:42	0° \mathcal{M}	
morning rise	9323 May 22 23:42	1° Π 39'10			9325 Nov 08 02:37	0° \mathcal{X}	
	9323 May 25 20:16	30° \mathcal{R} \mathcal{B}		evening rise	9325 Nov 18 15:27	12° \mathcal{X} 58'16	
direct	9323 Jun 09 21:07	25° \mathcal{B} 33'05			9325 Dec 02 11:53	0° \mathcal{Z}	

desc. node	9325 Dec 24 10:56	26°  56'14		9328 Aug 16 17:07	0° 	
	9325 Dec 26 22:58	0° 		9328 Sep 10 10:35	0° 	
	9326 Jan 20 11:43	0° 		asc. node	9328 Oct 01 06:11	25°  22'06
	9326 Feb 14 02:14	0° 			9328 Oct 05 01:10	0° 
	9326 Mar 10 20:23	0° 			9328 Oct 29 12:56	0° 
	9326 Apr 05 00:02	0° 		morning set	9328 Nov 13 19:05	18°  45'28
asc. node	9326 Apr 16 09:51	13°  18'22			9328 Nov 22 22:10	0° 
	9326 May 01 03:03	0° 			9328 Dec 17 05:39	0° 
evening max el	9326 May 22 00:15	22°  14'35	46°52'44	max. Earth dist.	9328 Dec 19 04:13	2°  23'44 1.73049 AU
	9326 May 29 22:58	0° 				
greatest brilliancy	9326 Jun 30 18:51	22°  50'36	-4.9m	superior conj	9328 Dec 20 10:11	3°  56'18 1°06'44
retrograde	9326 Jul 11 10:45	24°  58'29		minimum elong	9328 Dec 20 19:43	4°  25'43 1°06'45
evening set	9326 Jul 26 08:31	20°  53'22			9329 Jan 10 12:08	0° 
inferior conj	9326 Aug 01 10:45	16°  58'45	1°13'08	desc. node	9329 Jan 20 23:02	12°  56'03
minimum elong	9326 Aug 01 13:33	16°  54'28	1°12'02	evening rise	9329 Jan 27 09:50	20°  55'13
min. Earth dist.	9326 Aug 01 02:32	17°  51'24	0.27559 AU		9329 Feb 03 17:43	0° 
desc. node	9326 Aug 06 06:26	14°  50'28			9329 Feb 27 22:09	0° 
morning rise	9326 Aug 07 19:06	13°  51'56			9329 Mar 24 01:50	0° 
direct	9326 Aug 22 08:18	9°  52'27			9329 Apr 17 06:43	0° 
greatest brilliancy	9326 Sep 01 04:01	10°  52'28	-4.8m		9329 May 11 16:33	0° 
	9326 Sep 30 05:28	0° 		asc. node	9329 May 13 21:03	2°  54'00
morning max el	9326 Oct 10 09:39	9°  51'09	45°51'28		9329 Jun 05 13:13	0° 
	9326 Oct 30 16:52	0° 			9329 Jul 01 07:03	0° 
	9326 Nov 26 19:46	0° 			9329 Jul 29 00:48	0° 
asc. node	9326 Nov 27 05:10	0°  26'48		evening max el	9329 Aug 01 09:26	3°  21'48 46°13'49
	9326 Dec 22 14:19	0° 		desc. node	9329 Sep 02 17:42	29°  35'35
	9327 Jan 16 14:59	0° 			9329 Sep 03 11:49	0° 
	9327 Feb 10 04:48	0° 		greatest brilliancy	9329 Sep 09 01:41	2°  33'02 -4.8m
	9327 Mar 06 11:39	0° 		retrograde	9329 Sep 19 23:46	4°  43'08
desc. node	9327 Mar 18 22:08	15°  27'51			9329 Oct 05 14:49	30°  5'49
	9327 Mar 30 13:38	0° 		evening set	9329 Oct 06 23:44	29°  51'30
morning set	9327 Apr 08 19:18	11°  53'20		inferior conj	9329 Oct 11 11:58	26°  52'42 -7°40'25
	9327 Apr 23 12:12	0° 		minimum elong	9329 Oct 11 03:35	26°  58'54 7°39'08
	9327 May 17 09:02	0° 		min. Earth dist.	9329 Oct 10 21:55	26°  54'49 0.28926 AU
				morning rise	9329 Oct 15 07:40	24°  54'04
superior conj	9327 May 19 10:52	2°  56'41 -1°26'53		direct	9329 Nov 01 22:59	18°  54'24
minimum elong	9327 May 19 14:15	2°  47'18 1°27'08		greatest brilliancy	9329 Nov 11 19:55	20°  50'17 -4.7m
max. Earth dist.	9327 May 20 04:36	3°  52'26 1.71266 AU			9329 Nov 29 15:11	0° 
	9327 Jun 10 06:07	0° 		morning max el	9329 Dec 20 19:21	18°  51'09 45°45'18
evening rise	9327 Jun 28 21:35	23°  52'08		asc. node	9329 Dec 24 16:54	22°  51'08'29
	9327 Jul 04 05:25	0° 			9330 Jan 01 10:20	0° 
asc. node	9327 Jul 09 18:37	6°  55'09			9330 Jan 28 19:10	0° 
	9327 Jul 28 08:24	0° 			9330 Feb 23 11:24	0° 
	9327 Aug 21 16:24	0° 			9330 Mar 20 08:19	0° 
	9327 Sep 15 07:23	0° 			9330 Apr 13 18:22	0° 
	9327 Oct 10 08:56	0° 		desc. node	9330 Apr 15 10:48	2°  50'05
desc. node	9327 Oct 29 13:48	22°  51'28'01			9330 May 07 21:49	0° 
	9327 Nov 05 03:07	0° 			9330 May 31 21:41	0° 
	9327 Dec 02 01:54	0° 		morning set	9330 Jun 23 13:27	28°  52'25
evening max el	9327 Dec 25 05:29	23°  54'53	46°02'16		9330 Jun 24 20:39	0° 
	9327 Dec 31 20:05	0° 			9330 Jul 18 20:45	0° 
greatest brilliancy	9328 Feb 02 14:50	22°  58'56	-4.8m			
retrograde	9328 Feb 12 11:37	24°  56'23		superior conj	9330 Aug 01 18:14	17°  58'55 -0°11'00
asc. node	9328 Feb 19 13:48	23°  56'25		minimum elong	9330 Aug 01 20:54	17°  58'14 0°11'06
evening set	9328 Feb 27 01:09	20°  56'02		behind sun begin	9330 Aug 01 03:02	16°  58'31'36
inferior conj	9328 Mar 04 05:52	16°  56'28	3°25'11	behind sun end	9330 Aug 02 14:47	18°  58'22'51
minimum elong	9328 Mar 03 22:27	16°  56'47'56	3°23'03	max. Earth dist.	9330 Aug 04 20:59	21°  58'11'24 1.72237 AU
min. Earth dist.	9328 Mar 04 08:30	16°  56'32'25	0.27315 AU	asc. node	9330 Aug 06 06:56	22°  58'56'57
morning rise	9328 Mar 09 19:28	13°  56'17'17			9330 Aug 11 23:03	0° 
direct	9328 Mar 25 03:15	8°  56'41'03			9330 Sep 05 03:53	0° 
greatest brilliancy	9328 Apr 04 08:49	10°  56'39'55	-4.9m	evening rise	9330 Sep 08 19:57	4°  56'32'12
	9328 May 02 13:59	0° 			9330 Sep 29 11:40	0° 
morning max el	9328 May 14 15:58	11°  56'36'20	46°58'50		9330 Oct 23 23:30	0° 
	9328 Jun 01 01:44	0° 			9330 Nov 17 17:01	0° 
desc. node	9328 Jun 10 09:27	10° 58'23'13		desc. node	9330 Nov 26 01:09	10° 58'02'19
	9328 Jun 27 10:59	0°			9330 Dec 12 17:46	0°
	9328 Jul 22 19:08	0°			9331 Jan 07 03:51	0°




































































































































	9331 Feb 02 05:05	0°Υ		9333 Jul 09 03:58	0°Ϣ	
	9331 Mar 01 17:48	0°Ϡ		9333 Aug 02 09:33	0°Ω	
evening max el	9331 Mar 07 17:46	6°Ϡ06'24 46°44'45		9333 Aug 26 15:37	0°ϯ	
asc. node	9331 Mar 19 00:52	16°Ϡ55'12	asc. node	9333 Sep 02 19:27	8°ϯ50'56	
	9331 Apr 04 06:49	0°Π	morning set	9333 Sep 03 10:18	9°ϯ36'48	
greatest brilliancy	9331 Apr 17 10:12	6°Π57'30 -4.9m		9333 Sep 19 22:19	0°Ω	
retrograde	9331 Apr 27 01:29	8°Π43'20				
evening set	9331 May 15 07:19	2°Π25'02	superior conj	9333 Oct 10 20:17	25°Ω49'23 1°15'32	
inferior conj	9331 May 17 18:05	0°Π55'08 9°10'18	minimum elong	9333 Oct 10 12:11	25°Ω24'24 1°15'27	
minimum elong	9331 May 17 20:32	0°Π51'22 9°09'57	max. Earth dist.	9333 Oct 11 17:17	26°Ω54'10 1.73179 AU	
min. Earth dist.	9331 May 17 19:41	0°Π52'41 0.27141 AU		9333 Oct 14 05:30	0°ϯ	
	9331 May 19 05:56	30°Ϡ		9333 Nov 07 13:26	0°Ϡ	
morning rise	9331 May 20 09:45	29°Ϡ17'44	evening rise	9333 Nov 16 08:43	10°Ϡ50'27	
direct	9331 Jun 07 09:23	23°Ϡ06'55		9333 Dec 01 22:49	0°Ϡ	
greatest brilliancy	9331 Jun 17 02:58	24°Ϡ53'29 -4.9m	desc. node	9333 Dec 23 12:56	26°Ϡ28'18	
	9331 Jun 27 11:07	0°Π		9333 Dec 26 10:07	0°≈	
desc. node	9331 Jul 08 21:05	8°Π16'45		9334 Jan 19 23:16	0°Ϡ	
morning max el	9331 Jul 27 12:51	25°Π19'00 46°36'55		9334 Feb 13 14:21	0°Υ	
	9331 Aug 01 04:29	0°Ϣ		9334 Mar 10 09:23	0°Ϡ	
	9331 Aug 29 00:39	0°Ω		9334 Apr 04 14:30	0°Π	
	9331 Sep 24 06:06	0°ϯ	asc. node	9334 Apr 15 11:42	12°Π39'13	
	9331 Oct 19 18:10	0°Ω		9334 Apr 30 20:32	0°Ϣ	
asc. node	9331 Oct 29 18:44	11°Ω57'05	evening max el	9334 May 19 15:29	19°Ϣ55'25 46°53'30	
	9331 Nov 13 19:12	0°ϯ		9334 May 30 02:02	0°Ω	
	9331 Dec 08 12:02	0°Ϡ	greatest brilliancy	9334 Jun 28 09:40	20°Ω30'00 -4.9m	
	9332 Jan 01 22:55	0°Ϡ	retrograde	9334 Jul 09 01:39	22°Ω37'34	
morning set	9332 Jan 22 19:29	25°Ϡ45'24	evening set	9334 Jul 24 00:07	18°Ω12'49	
	9332 Jan 26 05:42	0°≈	min. Earth dist.	9334 Jul 29 16:55	14°Ω50'15 0.27522 AU	
desc. node	9332 Feb 18 11:33	28°≈52'03	inferior conj	9334 Jul 30 00:39	14°Ω38'22 1°35'54	
	9332 Feb 19 09:23	0°Ϡ	minimum elong	9334 Jul 30 04:17	14°Ω32'46 1°34'31	
max. Earth dist.	9332 Feb 27 12:25	10°Ϡ07'40 1.71976 AU	morning rise	9334 Aug 05 09:05	10°Ω54'47	
			desc. node	9334 Aug 05 08:30	10°Ω55'34	
superior conj	9332 Mar 01 17:34	14°Ϡ08'16 -0°29'16	direct	9334 Aug 19 22:31	6°Ω46'42	
minimum elong	9332 Mar 01 10:40	13°Ϡ46'44 0°28'49	greatest brilliancy	9334 Aug 29 17:13	8°Ω32'24 -4.8m	
	9332 Mar 14 10:20	0°Υ		9334 Sep 30 09:30	0°ϯ	
	9332 Apr 07 09:09	0°Ϡ	morning max el	9334 Oct 08 00:46	7°ϯ06'42 45°52'30	
evening rise	9332 Apr 10 12:08	3°Ϡ55'06		9334 Oct 30 10:07	0°Ω	
	9332 May 01 07:15	0°Π	asc. node	9334 Nov 26 07:01	29°Ω52'06	
	9332 May 25 06:53	0°Ϣ		9334 Nov 26 09:46	0°ϯ	
asc. node	9332 Jun 10 08:37	19°Ϣ59'34		9334 Dec 22 02:51	0°Ϡ	
	9332 Jun 18 10:41	0°Ω		9335 Jan 16 02:45	0°Ϡ	
	9332 Jul 12 21:36	0°ϯ		9335 Feb 09 16:10	0°≈	
	9332 Aug 06 19:58	0°Ω		9335 Mar 05 22:49	0°Ϡ	
	9332 Sep 01 14:19	0°ϯ	desc. node	9335 Mar 18 00:05	14°Ϡ59'16	
	9332 Sep 29 01:39	0°Ϡ		9335 Mar 30 00:44	0°Υ	
desc. node	9332 Sep 30 04:42	1°Ϡ09'52	morning set	9335 Apr 06 06:25	9°Υ03'14	
evening max el	9332 Oct 11 03:24	12°Ϡ04'46 45°44'46		9335 Apr 22 23:17	0°Ϡ	
	9332 Oct 31 21:19	0°Ϡ				
greatest brilliancy	9332 Nov 19 07:01	10°Ϡ18'49 -4.7m	superior conj	9335 May 16 22:01	0°Π06'00 -1°27'22	
retrograde	9332 Nov 28 23:12	12°Ϡ01'03	minimum elong	9335 May 17 00:19	0°Π13'15 1°27'37	
evening set	9332 Dec 15 23:50	6°Ϡ31'03		9335 May 16 20:06	0°Π	
inferior conj	9332 Dec 20 07:43	3°Ϡ52'12 -6°48'02	max. Earth dist.	9335 May 17 12:23	0°Π51'09 1.71259 AU	
minimum elong	9332 Dec 20 17:38	3°Ϡ36'43 6°45'52		9335 Jun 09 17:12	0°Ϣ	
min. Earth dist.	9332 Dec 21 01:14	3°Ϡ24'50 0.28702 AU	evening rise	9335 Jun 26 09:16	20°Ϣ52'46	
morning rise	9332 Dec 25 11:02	0°Ϡ44'14		9335 Jul 03 16:32	0°Ω	
	9332 Dec 26 18:25	30°Ϡ	asc. node	9335 Jul 08 20:37	6°Ω26'47	
direct	9333 Jan 10 17:05	25°Ϡ36'24		9335 Jul 27 19:37	0°ϯ	
asc. node	9333 Jan 21 04:29	27°Ϡ38'02		9335 Aug 21 03:50	0°Ω	
greatest brilliancy	9333 Jan 21 20:19	27°Ϡ53'02 -4.8m		9335 Sep 14 19:13	0°ϯ	
	9333 Jan 26 12:17	0°Ϡ		9335 Oct 09 21:32	0°Ϡ	
morning max el	9333 Mar 01 15:28	27°Ϡ29'31 46°24'01	desc. node	9335 Oct 28 15:40	21°Ϡ54'18	
	9333 Mar 04 03:23	0°≈		9335 Nov 04 17:08	0°Ϡ	
	9333 Mar 31 20:12	0°Ϡ		9335 Dec 01 19:04	0°≈	
	9333 Apr 26 13:36	0°Υ	evening max el	9335 Dec 22 20:01	21°≈30'10 46°01'00	
desc. node	9333 May 12 23:17	19°Υ42'30		9335 Dec 31 23:20	0°Ϡ	
	9333 May 21 10:32	0°Ϡ	greatest brilliancy	9336 Jan 31 05:05	20°Ϡ19'02 -4.8m	
	9333 Jun 14 21:25	0°Π	retrograde	9336 Feb 10 00:41	22°Ϡ05'16	

asc. node	9336 Feb 18 15:47	20° X 35'32		minimum elong	9338 Jul 30 11:55	15° Ω 10'54	0°14'39
evening set	9336 Feb 24 13:54	17° X 56'32		behind sun begin	9338 Jul 30 01:39	14° Ω 38'58	
inferior conj	9336 Mar 01 19:41	14° X 15'21	3°03'24	behind sun end	9338 Jul 30 22:10	15° Ω 42'51	
minimum elong	9336 Mar 01 12:58	14° X 25'44	3°01'27	max. Earth dist.	9338 Aug 02 09:36	18° Ω 47'44	1.72196 AU
min. Earth dist.	9336 Mar 01 23:17	14° X 09'46	0.27338 AU	asc. node	9338 Aug 05 08:53	22° Ω 29'27	
morning rise	9336 Mar 07 11:41	10° X 52'22			9338 Aug 11 09:52	0° M	
direct	9336 Mar 22 17:12	6° X 19'32			9338 Sep 04 14:42	0° Ω	
greatest brilliancy	9336 Apr 02 00:08	8° X 19'06	-4.9m	evening rise	9338 Sep 06 12:15	2° Ω 20'48	
	9336 May 02 18:01	0° Y			9338 Sep 28 22:34	0° M	
morning max el	9336 May 12 04:46	9° Y 10'48	46°58'21		9338 Oct 23 10:39	0° X	
	9336 May 31 19:28	0° X			9338 Nov 17 04:36	0° Z	
desc. node	9336 Jun 09 11:29	9° Z 42'40		desc. node	9338 Nov 25 03:10	9° Z 33'03	
	9336 Jun 27 01:35	0° II			9338 Dec 12 06:05	0° \approx	
	9336 Jul 22 08:14	0° G			9339 Jan 06 17:22	0° X	
	9336 Aug 16 05:20	0° Ω			9339 Feb 01 20:49	0° Y	
	9336 Sep 09 22:13	0° M			9339 Mar 01 14:58	0° X	
asc. node	9336 Sep 30 08:04	24° M 53'22		evening max el	9339 Mar 05 06:33	3° X 41'13	46°43'42
	9336 Oct 04 12:23	0° Ω		asc. node	9339 Mar 18 02:48	15° X 53'08	
	9336 Oct 28 23:54	0° M			9339 Apr 05 14:30	0° II	
morning set	9336 Nov 11 12:11	16° M 36'56		greatest brilliancy	9339 Apr 14 23:04	4° II 31'53	-4.9m
	9336 Nov 22 09:01	0° X		retrograde	9339 Apr 24 14:39	6° II 18'20	
	9336 Dec 16 16:29	0° Z		evening set	9339 May 12 20:35	29° X 59'21	
max. Earth dist.	9336 Dec 16 19:59	0° Z 10'47	1.73071 AU		9339 May 12 20:08	30° R X	
				inferior conj	9339 May 15 07:04	28° X 30'03	9°12'26
superior conj	9336 Dec 18 02:53	1° Z 46'11	1°08'48	minimum elong	9339 May 15 08:32	28° X 27'47	9°12'08
minimum elong	9336 Dec 18 12:13	2° Z 15'00	1°08'50	min. Earth dist.	9339 May 15 08:11	28° X 28'19	0.27139 AU
	9337 Jan 09 23:02	0° \approx		morning rise	9339 May 17 20:30	26° X 56'12	
desc. node	9337 Jan 20 01:06	12° \approx 28'36		direct	9339 Jun 04 22:09	20° X 41'35	
evening rise	9337 Jan 25 00:53	18° \approx 39'14		greatest brilliancy	9339 Jun 14 15:45	22° X 28'32	-4.9m
	9337 Feb 03 04:45	0° X			9339 Jun 28 16:06	0° II	
	9337 Feb 27 09:21	0° Y		desc. node	9339 Jul 07 23:09	7° II 08'48	
	9337 Mar 23 13:17	0° X		morning max el	9339 Jul 25 02:57	22° II 58'12	46°38'27
	9337 Apr 16 18:32	0° II			9339 Aug 01 01:18	0° G	
	9337 May 11 04:59	0° G			9339 Aug 28 16:08	0° Ω	
asc. node	9337 May 12 23:00	2° G 07'53			9339 Sep 23 19:23	0° M	
	9337 Jun 05 02:43	0° Ω			9339 Oct 19 06:18	0° Ω	
	9337 Jun 30 22:39	0° M		asc. node	9339 Oct 28 20:38	11° Ω 27'22	
	9337 Jul 28 22:05	0° Ω			9339 Nov 13 06:38	0° M	
evening max el	9337 Jul 29 23:46	1° Ω 03'50	46°15'13		9339 Dec 07 23:04	0° X	
desc. node	9337 Sep 01 19:41	28° Ω 08'18			9340 Jan 01 09:45	0° Z	
	9337 Sep 05 20:23	0° M		morning set	9340 Jan 20 10:52	23° Z 31'12	
greatest brilliancy	9337 Sep 06 17:39	0° M 20'57	-4.8m		9340 Jan 25 16:27	0° \approx	
retrograde	9337 Sep 17 15:22	2° M 31'18		desc. node	9340 Feb 17 13:23	28° \approx 24'20	
	9337 Sep 28 22:10	30° R Ω			9340 Feb 18 20:08	0° X	
evening set	9337 Oct 04 12:26	27° Ω 05'40		max. Earth dist.	9340 Feb 25 04:07	7° X 53'22	1.72018 AU
min. Earth dist.	9337 Oct 08 13:26	24° Ω 37'04	0.28891 AU				
inferior conj	9337 Oct 09 03:54	24° Ω 14'19	-7°30'49	superior conj	9340 Feb 28 06:21	11° X 44'48	-0°25'41
minimum elong	9337 Oct 08 19:06	24° Ω 28'10	7°29'23	minimum elong	9340 Feb 28 00:14	11° X 25'44	0°25'16
morning rise	9337 Oct 13 01:58	21° Ω 49'05			9340 Mar 13 21:08	0° Y	
direct	9337 Oct 30 14:02	16° Ω 03'34			9340 Apr 06 20:02	0° X	
greatest brilliancy	9337 Nov 09 11:20	17° Ω 49'17	-4.7m	evening rise	9340 Apr 07 23:55	1° X 27'24	
	9337 Nov 30 04:07	0° M			9340 Apr 30 18:14	0° II	
morning max el	9337 Dec 18 09:22	16° M 03'10	45°44'41		9340 May 24 18:01	0° G	
asc. node	9337 Dec 23 19:02	21° M 22'23		asc. node	9340 Jun 09 10:40	19° G 31'03	
	9338 Jan 01 04:43	0° X			9340 Jun 17 22:02	0° Ω	
	9338 Jan 28 09:36	0° Z			9340 Jul 12 09:22	0° M	
	9338 Feb 23 00:15	0° \approx			9340 Aug 06 08:34	0° Ω	
	9338 Mar 19 20:21	0° X			9340 Sep 01 04:37	0° M	
	9338 Apr 13 05:56	0° Y			9340 Sep 28 20:15	0° X	
desc. node	9338 Apr 14 12:41	1° Y 35'12		desc. node	9340 Sep 29 06:35	0° X 26'28	
	9338 May 07 09:04	0° X		evening max el	9340 Oct 08 19:15	9° X 54'30	45°45'01
	9338 May 31 08:44	0° II			9340 Nov 01 13:57	0° Z	
morning set	9338 Jun 21 02:13	25° II 57'52		greatest brilliancy	9340 Nov 16 20:58	8° Z 06'31	-4.7m
	9338 Jun 24 07:34	0° G		retrograde	9340 Nov 26 15:03	9° Z 49'55	
	9338 Jul 18 07:37	0° Ω		evening set	9340 Dec 13 18:13	4° Z 15'19	
				inferior conj	9340 Dec 17 23:22	1° Z 40'12	-7°00'22
superior conj	9338 Jul 30 08:23	14° Ω 59'56	-0°14'36	minimum elong	9340 Dec 18 09:06	1° Z 24'59	6°58'19

min. Earth dist.	9340 Dec 18 15:53	1° Z 14'22	0.28749 AU	evening rise	9343 Jun 23 20:52	18° Z 25'25	
	9340 Dec 20 15:52	30° R X			9343 Jul 03 03:16	0° Q	
morning rise	9340 Dec 22 23:41	28° X 36'41		asc. node	9343 Jul 07 22:35	5° Q 59'25	
direct	9341 Jan 08 09:40	23° X 24'09			9343 Jul 27 06:27	0° M	
greatest brilliancy	9341 Jan 19 11:20	25° X 39'41	-4.8m		9343 Aug 20 14:51	0° Q	
asc. node	9341 Jan 20 06:26	25° X 58'45			9343 Sep 14 06:37	0° M	
	9341 Jan 28 02:33	0° Z			9343 Oct 09 09:39	0° X	
morning max el	9341 Feb 27 07:35	25° Z 16'11	46°22'18	desc. node	9343 Oct 27 17:44	21° X 22'30	
	9341 Mar 03 23:51	0° \approx			9343 Nov 04 06:46	0° Z	
	9341 Mar 31 11:27	0° H			9343 Dec 01 12:05	0° \approx	
	9341 Apr 26 02:52	0° Y		evening max el	9343 Dec 20 09:39	19° \approx 12'32	45°59'33
desc. node	9341 May 12 01:14	19° Y 10'20			9344 Jan 01 03:51	0° H	
	9341 May 20 22:47	0° B		greatest brilliancy	9344 Jan 28 19:32	18° H 00'08	-4.8m
	9341 Jun 14 09:03	0° II		retrograde	9344 Feb 07 13:25	19° H 45'06	
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	9341 Aug 26 02:14	0° M		inferior conj	9344 Feb 28 09:26	11° H 55'03	2°41'05
morning set	9341 Sep 01 02:24	7° M 25'30		minimum elong	9344 Feb 28 03:28	12° H 04'17	2°39'23
asc. node	9341 Sep 01 21:17	8° M 23'52		min. Earth dist.	9344 Feb 28 14:20	11° H 47'27	0.27368 AU
	9341 Sep 19 08:49	0° Q		morning rise	9344 Mar 05 03:42	8° H 28'31	
				direct	9344 Mar 20 06:45	3° H 58'29	
superior conj	9341 Oct 08 13:40	23° Q 42'39	1°13'54	greatest brilliancy	9344 Mar 30 16:01	5° H 59'39	-4.9m
minimum elong	9341 Oct 08 05:12	23° Q 16'29	1°13'48		9344 May 02 20:07	0° Y	
max. Earth dist.	9341 Oct 09 14:42	24° Q 59'53	1.73166 AU	morning max el	9344 May 09 17:25	6° Y 45'41	46°58'00
	9341 Oct 13 15:57	0° M			9344 May 31 12:28	0° B	
	9341 Nov 06 23:56	0° X		desc. node	9344 Jun 08 13:33	9° B 03'39	
evening rise	9341 Nov 14 02:00	8° X 43'27			9344 Jun 26 15:38	0° II	
	9341 Dec 01 09:28	0° Z			9344 Jul 21 20:50	0° Q	
desc. node	9341 Dec 22 14:56	26° Z 01'08			9344 Aug 15 17:05	0° Q	
	9341 Dec 25 21:02	0° \approx			9344 Sep 09 09:25	0° M	
	9342 Jan 19 10:35	0° H		asc. node	9344 Sep 29 10:01	24° M 26'12	
	9342 Feb 13 02:16	0° Y			9344 Oct 03 23:11	0° Q	
	9342 Mar 09 22:11	0° B			9344 Oct 28 10:26	0° M	
	9342 Apr 04 04:47	0° II		morning set	9344 Nov 09 05:39	14° M 30'49	
asc. node	9342 Apr 14 13:42	12° II 01'03			9344 Nov 21 19:24	0° X	
	9342 Apr 30 14:01	0° Q		max. Earth dist.	9344 Dec 14 14:09	28° X 06'41	1.73096 AU
evening max el	9342 May 17 06:42	17° Q 37'09	46°54'10				
	9342 May 30 06:19	0° Q		superior conj	9344 Dec 15 19:58	29° X 38'43	1°10'45
greatest brilliancy	9342 Jun 26 01:11	18° Q 11'26	-4.9m	minimum elong	9344 Dec 16 05:02	0° Z 06'44	1°10'47
retrograde	9342 Jul 06 16:21	20° Q 17'46			9344 Dec 16 02:52	0° Z	
evening set	9342 Jul 21 16:00	15° Q 51'30			9345 Jan 09 09:31	0° \approx	
inferior conj	9342 Jul 27 14:37	12° Q 19'23	1°58'33	desc. node	9345 Jan 19 02:59	12° \approx 01'51	
minimum elong	9342 Jul 27 19:05	12° Q 12'29	1°56'54	evening rise	9345 Jan 22 16:14	16° \approx 25'28	
min. Earth dist.	9342 Jul 27 07:33	12° Q 30'15	0.27482 AU		9345 Feb 02 15:25	0° H	
morning rise	9342 Aug 02 22:50	8° Q 36'08			9345 Feb 26 20:15	0° Y	
desc. node	9342 Aug 04 10:25	7° Q 50'32			9345 Mar 23 00:29	0° B	
direct	9342 Aug 17 12:38	4° Q 28'32			9345 Apr 16 06:08	0° II	
greatest brilliancy	9342 Aug 27 06:27	6° Q 13'40	-4.8m		9345 May 10 17:13	0° Q	
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morning max el	9342 Oct 05 15:00	4° M 51'30	45°53'36		9345 Jun 04 16:02	0° Q	
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asc. node	9342 Nov 25 09:06	29° Q 19'40		evening max el	9345 Jul 27 13:51	28° M 46'20	46°16'46
	9342 Nov 25 23:10	0° M			9345 Jul 28 19:43	0° Q	
	9342 Dec 21 14:55	0° X		desc. node	9345 Aug 31 21:38	26° Q 39'08	
	9343 Jan 15 14:08	0° Z		greatest brilliancy	9345 Sep 04 09:18	28° Q 09'31	-4.8m
	9343 Feb 09 03:12	0° \approx			9345 Sep 11 01:33	0° M	
	9343 Mar 05 09:40	0° H		retrograde	9345 Sep 15 07:22	0° M 20'50	
desc. node	9343 Mar 17 01:58	14° H 31'30			9345 Sep 19 11:23	30° R Q	
	9343 Mar 29 11:29	0° Y		evening set	9345 Oct 02 01:08	24° Q 59'53	
morning set	9343 Apr 03 17:20	6° Y 33'37		min. Earth dist.	9345 Oct 06 04:54	22° Q 27'38	0.28852 AU
	9343 Apr 22 10:00	0° B		inferior conj	9345 Oct 06 19:53	22° Q 04'08	-7°20'28
				minimum elong	9345 Oct 06 10:42	22° Q 18'32	7°18'55
superior conj	9343 May 14 09:04	27° B 36'18	-1°27'40	morning rise	9345 Oct 10 20:27	19° Q 35'20	
minimum elong	9343 May 14 10:17	27° B 40'05	1°27'55	direct	9345 Oct 28 05:03	13° Q 53'50	
max. Earth dist.	9343 May 14 17:33	28° B 02'58	1.71252 AU	greatest brilliancy	9345 Nov 07 02:51	15° Q 39'47	-4.7m
	9343 May 16 06:47	0° II			9345 Nov 30 13:02	0° M	
	9343 Jun 09 03:53	0° Q		morning max el	9345 Dec 16 00:13	13° M 50'39	45°44'15




































































































































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	9345 Dec 31 22:08	0° \mathbb{A}		9348 Aug 05 21:22	0° \mathbb{A}	
	9346 Jan 27 23:26	0° \mathbb{B}		9348 Aug 31 19:13	0° \mathbb{M}	
	9346 Feb 22 12:38	0° \approx		desc. node	9348 Sep 28 08:39	29° \mathbb{M} 42'47
	9346 Mar 19 08:03	0° \mathbb{H}			9348 Sep 28 15:27	0° \mathbb{A}
	9346 Apr 12 17:14	0° \mathbb{Y}		evening max el	9348 Oct 06 11:17	7° \mathbb{A} 44'31 45°45'27
desc. node	9346 Apr 13 14:42	1° \mathbb{Y} 06'29			9348 Nov 02 12:32	0° \mathbb{B}
	9346 May 06 20:07	0° \mathbb{B}		greatest brilliancy	9348 Nov 14 11:36	5° \mathbb{B} 55'14 -4.7m
	9346 May 30 19:37	0° \mathbb{II}		retrograde	9348 Nov 24 06:46	7° \mathbb{B} 39'00
morning set	9346 Jun 18 14:27	23° \mathbb{II} 32'05		evening set	9348 Dec 11 12:44	2° \mathbb{B} 00'11
	9346 Jun 23 18:20	0° \mathbb{B}			9348 Dec 14 19:11	30° \mathbb{R} \mathbb{A}
	9346 Jul 17 18:16	0° \mathbb{Q}		inferior conj	9348 Dec 15 15:11	29° \mathbb{A} 28'41 -7°12'01
				minimum elong	9348 Dec 16 00:39	29° \mathbb{A} 13'50 7°10'07
superior conj	9346 Jul 27 22:09	12° \mathbb{Q} 40'19 -0°18'12		min. Earth dist.	9348 Dec 16 06:46	29° \mathbb{A} 04'16 0.28789 AU
minimum elong	9346 Jul 28 02:31	12° \mathbb{Q} 53'56 0°18'13		morning rise	9348 Dec 20 12:22	26° \mathbb{A} 29'32
max. Earth dist.	9346 Jul 30 22:00	16° \mathbb{Q} 24'03 1.72152 AU		direct	9349 Jan 06 02:15	21° \mathbb{A} 12'31
asc. node	9346 Aug 04 10:43	22° \mathbb{Q} 02'13		greatest brilliancy	9349 Jan 17 02:08	23° \mathbb{A} 26'18 -4.8m
	9346 Aug 10 20:27	0° \mathbb{M}		asc. node	9349 Jan 19 08:22	24° \mathbb{A} 23'05
evening rise	9346 Sep 04 04:28	0° \mathbb{A} 09'53			9349 Jan 29 05:04	0° \mathbb{B}
	9346 Sep 04 01:17	0° \mathbb{A}		morning max el	9349 Feb 24 23:14	23° \mathbb{B} 01'57 46°20'42
	9346 Sep 28 09:15	0° \mathbb{M}			9349 Mar 03 19:36	0° \approx
	9346 Oct 22 21:35	0° \mathbb{A}			9349 Mar 31 02:26	0° \mathbb{H}
	9346 Nov 16 15:57	0° \mathbb{B}			9349 Apr 25 15:59	0° \mathbb{Y}
desc. node	9346 Nov 24 05:11	9° \mathbb{B} 04'33		desc. node	9349 May 11 03:16	18° \mathbb{Y} 38'38
	9346 Dec 11 18:09	0° \approx			9349 May 20 10:59	0° \mathbb{B}
	9347 Jan 06 06:39	0° \mathbb{H}			9349 Jun 13 20:43	0° \mathbb{II}
	9347 Feb 01 12:29	0° \mathbb{Y}			9349 Jul 08 02:29	0° \mathbb{B}
	9347 Mar 01 12:37	0° \mathbb{B}			9349 Aug 01 07:28	0° \mathbb{Q}
evening max el	9347 Mar 02 20:04	1° \mathbb{B} 18'45 46°42'22			9349 Aug 25 13:06	0° \mathbb{M}
asc. node	9347 Mar 17 04:46	14° \mathbb{B} 50'06		morning set	9349 Aug 29 18:03	5° \mathbb{M} 12'05
	9347 Apr 07 13:16	0° \mathbb{II}		asc. node	9349 Aug 31 23:19	7° \mathbb{M} 56'45
greatest brilliancy	9347 Apr 12 11:08	2° \mathbb{II} 05'28 -4.9m			9349 Sep 18 19:32	0° \mathbb{A}
retrograde	9347 Apr 22 04:01	3° \mathbb{II} 52'55				
	9347 May 06 02:15	30° \mathbb{R} \mathbb{B}		superior conj	9349 Oct 06 06:38	21° \mathbb{A} 33'58 1°12'09
evening set	9347 May 10 08:54	27° \mathbb{B} 34'11		minimum elong	9349 Oct 05 21:51	21° \mathbb{A} 06'49 1°12'01
inferior conj	9347 May 12 19:48	26° \mathbb{B} 04'20 9°13'21		max. Earth dist.	9349 Oct 07 10:58	23° \mathbb{A} 01'25 1.73144 AU
minimum elong	9347 May 12 20:17	26° \mathbb{B} 03'35 9°13'07			9349 Oct 13 02:37	0° \mathbb{M}
min. Earth dist.	9347 May 12 20:12	26° \mathbb{B} 03'43 0.27143 AU			9349 Nov 06 10:38	0° \mathbb{A}
morning rise	9347 May 15 07:42	24° \mathbb{B} 32'58		evening rise	9349 Nov 11 19:00	6° \mathbb{A} 35'05
direct	9347 Jun 02 11:16	18° \mathbb{B} 15'40			9349 Nov 30 20:18	0° \mathbb{B}
greatest brilliancy	9347 Jun 12 03:58	20° \mathbb{B} 02'20 -4.9m		desc. node	9349 Dec 21 16:48	25° \mathbb{B} 32'59
	9347 Jun 29 13:22	0° \mathbb{II}			9349 Dec 25 08:09	0° \approx
desc. node	9347 Jul 07 01:02	6° \mathbb{II} 01'54			9350 Jan 18 22:06	0° \mathbb{H}
morning max el	9347 Jul 22 17:31	20° \mathbb{II} 38'17 46°40'00			9350 Feb 12 14:22	0° \mathbb{Y}
	9347 Jul 31 21:31	0° \mathbb{B}			9350 Mar 09 11:10	0° \mathbb{B}
	9347 Aug 28 07:23	0° \mathbb{Q}			9350 Apr 03 19:20	0° \mathbb{II}
	9347 Sep 23 08:30	0° \mathbb{M}		asc. node	9350 Apr 13 15:47	11° \mathbb{II} 22'34
	9347 Oct 18 18:15	0° \mathbb{A}			9350 Apr 30 07:59	0° \mathbb{B}
asc. node	9347 Oct 27 22:39	10° \mathbb{A} 58'26		evening max el	9350 May 14 21:02	15° \mathbb{B} 16'16 46°54'37
	9347 Nov 12 17:55	0° \mathbb{M}			9350 May 30 12:47	0° \mathbb{Q}
	9347 Dec 07 09:59	0° \mathbb{A}		greatest brilliancy	9350 Jun 23 17:03	15° \mathbb{Q} 52'32 -4.9m
	9347 Dec 31 20:28	0° \mathbb{B}		retrograde	9350 Jul 04 06:23	17° \mathbb{Q} 56'58
morning set	9348 Jan 18 02:49	21° \mathbb{B} 19'09		evening set	9350 Jul 19 07:56	13° \mathbb{Q} 28'56
	9348 Jan 25 03:05	0° \approx		inferior conj	9350 Jul 25 04:30	9° \mathbb{Q} 59'25 2°21'00
desc. node	9348 Feb 16 15:19	27° \mathbb{A} 57'20		minimum elong	9350 Jul 25 09:47	9° \mathbb{Q} 51'17 2°19'06
	9348 Feb 18 06:44	0° \mathbb{H}		min. Earth dist.	9350 Jul 24 22:26	10° \mathbb{Q} 08'48 0.27451 AU
max. Earth dist.	9348 Feb 22 19:36	5° \mathbb{H} 38'56 1.72058 AU		morning rise	9350 Jul 31 12:15	6° \mathbb{Q} 16'31
				desc. node	9350 Aug 03 12:24	4° \mathbb{Q} 47'58
superior conj	9348 Feb 25 19:43	9° \mathbb{H} 23'39 -0°22'06		direct	9350 Aug 15 02:13	2° \mathbb{Q} 09'07
minimum elong	9348 Feb 25 14:26	9° \mathbb{H} 07'10 0°21'43		greatest brilliancy	9350 Aug 24 20:11	3° \mathbb{Q} 54'05 -4.8m
	9348 Mar 13 07:48	0° \mathbb{Y}			9350 Sep 30 12:11	0° \mathbb{M}
evening rise	9348 Apr 05 12:06	29° \mathbb{Y} 01'19		morning max el	9350 Oct 03 04:31	2° \mathbb{M} 33'11 45°54'43
	9348 Apr 06 06:50	0° \mathbb{B}			9350 Oct 29 18:56	0° \mathbb{A}
	9348 Apr 30 05:12	0° \mathbb{II}		asc. node	9350 Nov 24 11:02	28° \mathbb{A} 45'53
	9348 May 24 05:10	0° \mathbb{B}			9350 Nov 25 12:47	0° \mathbb{M}
asc. node	9348 Jun 08 12:34	19° \mathbb{B} 01'50			9350 Dec 21 03:13	0° \mathbb{A}
	9348 Jun 17 09:29	0° \mathbb{Q}			9351 Jan 15 01:45	0° \mathbb{B}

	9351 Feb 08 14:26	0°♊		retrograde	9353 Sep 12 23:50	28°♊09'30	
	9351 Mar 04 20:44	0°♋		evening set	9353 Sep 29 13:52	22°♊52'58	
desc. node	9351 Mar 16 03:57	14°♋03'24		inferior conj	9353 Oct 04 11:49	19°♊52'52	-7°09'28
	9351 Mar 28 22:28	0°♌		minimum elong	9353 Oct 04 02:19	20°♊07'45	7°07'47
morning set	9351 Apr 01 04:31	4°♌04'04		min. Earth dist.	9353 Oct 03 20:03	20°♊17'33	0.28817 AU
	9351 Apr 21 20:56	0°♍		morning rise	9353 Oct 08 15:00	17°♊20'33	
				direct	9353 Oct 25 20:28	11°♊43'01	
superior conj	9351 May 11 20:34	25°♍07'20	-1°27'46	greatest brilliancy	9353 Nov 04 18:02	13°♊28'55	-4.7m
minimum elong	9351 May 11 20:42	25°♍07'43	1°28'02		9353 Nov 30 19:57	0°♌	
max. Earth dist.	9351 May 11 21:07	25°♍09'02	1.71245 AU	morning max el	9353 Dec 13 16:03	11°♌39'20	45°43'41
	9351 May 15 17:41	0°♍		asc. node	9353 Dec 21 22:50	19°♌52'24	
	9351 Jun 08 14:46	0°♎			9353 Dec 31 15:40	0°♏	
evening rise	9351 Jun 21 08:46	15°♎58'18			9354 Jan 27 13:37	0°♐	
	9351 Jul 02 14:12	0°♏			9354 Feb 22 01:24	0°♑	
asc. node	9351 Jul 07 00:26	5°♏31'06			9354 Mar 18 20:05	0°♒	
	9351 Jul 26 17:32	0°♐			9354 Apr 12 04:50	0°♓	
	9351 Aug 20 02:11	0°♑		desc. node	9354 Apr 12 16:38	0°♓36'32	
	9351 Sep 13 18:24	0°♒			9354 May 06 07:28	0°♐	
	9351 Oct 08 22:16	0°♓			9354 May 30 06:48	0°♑	
desc. node	9351 Oct 26 19:43	20°♓48'57		morning set	9354 Jun 16 02:40	21°♑05'13	
	9351 Nov 03 21:00	0°♐			9354 Jun 23 05:24	0°♒	
	9351 Dec 01 05:58	0°♑			9354 Jul 17 05:14	0°♓	
evening max el	9351 Dec 17 22:49	16°♑52'49	45°58'22				
	9352 Jan 01 11:01	0°♒		superior conj	9354 Jul 25 11:56	10°♓19'40	-0°21'46
greatest brilliancy	9352 Jan 26 09:44	15°♒40'07	-4.8m	minimum elong	9354 Jul 25 17:08	10°♓35'53	0°21'47
retrograde	9352 Feb 05 02:27	17°♒24'27		max. Earth dist.	9354 Jul 28 11:15	14°♓01'52	1.72108 AU
asc. node	9352 Feb 16 19:46	14°♒40'56		asc. node	9354 Aug 03 12:45	21°♓34'40	
evening set	9352 Feb 19 15:49	13°♒16'49			9354 Aug 10 07:20	0°♑	
inferior conj	9352 Feb 25 23:13	9°♒33'58	2°18'39	evening rise	9354 Sep 01 20:49	27°♑58'25	
minimum elong	9352 Feb 25 18:02	9°♒42'00	2°17'10		9354 Sep 03 12:09	0°♒	
min. Earth dist.	9352 Feb 26 05:22	9°♒24'28	0.27399 AU		9354 Sep 27 20:14	0°♓	
morning rise	9352 Mar 02 19:38	6°♒04'21			9354 Oct 22 08:50	0°♐	
direct	9352 Mar 17 20:19	1°♒36'28			9354 Nov 16 03:41	0°♑	
greatest brilliancy	9352 Mar 28 08:04	3°♒39'42	-4.9m	desc. node	9354 Nov 23 07:02	8°♑34'23	
	9352 May 02 21:13	0°♓			9354 Dec 11 06:40	0°♒	
morning max el	9352 May 07 07:06	4°♓22'21	46°57'42		9355 Jan 05 20:30	0°♓	
	9352 May 31 05:24	0°♐			9355 Feb 01 04:53	0°♑	
desc. node	9352 Jun 07 15:21	8°♐23'27		evening max el	9355 Feb 28 10:32	28°♑57'34	46°41'09
	9352 Jun 26 05:47	0°♑			9355 Mar 01 11:41	0°♒	
	9352 Jul 21 09:37	0°♒		asc. node	9355 Mar 16 06:50	13°♒44'30	
	9352 Aug 15 05:04	0°♓		greatest brilliancy	9355 Apr 09 23:08	29°♒38'08	-4.9m
	9352 Sep 08 20:52	0°♑			9355 Apr 11 01:08	0°♑	
asc. node	9352 Sep 28 11:59	23°♑58'06		retrograde	9355 Apr 19 17:29	1°♑26'21	
	9352 Oct 03 10:18	0°♒			9355 Apr 28 01:45	30°♒♐	
	9352 Oct 27 21:20	0°♓		evening set	9355 May 07 20:38	25°♒09'05	
morning set	9352 Nov 06 22:47	12°♓22'24		inferior conj	9355 May 10 08:31	23°♒37'40	9°13'21
	9352 Nov 21 06:12	0°♐		minimum elong	9355 May 10 08:00	23°♒38'28	9°13'07
max. Earth dist.	9352 Dec 12 09:07	26°♐03'41	1.73119 AU	min. Earth dist.	9355 May 10 08:01	23°♒38'27	0.27141 AU
				morning rise	9355 May 12 19:25	22°♒07'50	
superior conj	9352 Dec 13 12:42	27°♐28'51	1°12'35	direct	9355 May 31 00:36	15°♒49'07	
minimum elong	9352 Dec 13 21:28	27°♐55'56	1°12'40	greatest brilliancy	9355 Jun 09 15:46	17°♒34'48	-4.9m
	9352 Dec 15 13:40	0°♑			9355 Jun 30 05:33	0°♑	
	9353 Jan 08 20:25	0°♒		desc. node	9355 Jul 06 03:04	4°♑56'20	
desc. node	9353 Jan 18 04:53	11°♒33'53		morning max el	9355 Jul 20 07:55	18°♑17'10	46°41'25
evening rise	9353 Jan 20 07:18	14°♒09'48			9355 Jul 31 17:22	0°♒	
	9353 Feb 02 02:28	0°♓			9355 Aug 27 22:40	0°♓	
	9353 Feb 26 07:32	0°♑			9355 Sep 22 21:44	0°♑	
	9353 Mar 22 12:03	0°♒			9355 Oct 18 06:22	0°♒	
	9353 Apr 15 18:08	0°♑		asc. node	9355 Oct 27 00:33	10°♒28'34	
	9353 May 10 05:52	0°♒			9355 Nov 12 05:23	0°♓	
asc. node	9353 May 11 02:56	1°♒03'59			9355 Dec 06 21:06	0°♐	
	9353 Jun 04 05:47	0°♓			9355 Dec 31 07:25	0°♑	
	9353 Jun 30 06:13	0°♑		morning set	9356 Jan 15 18:38	19°♑06'00	
evening max el	9353 Jul 25 04:42	26°♑29'55	46°18'26		9356 Jan 24 13:58	0°♒	
	9353 Jul 28 18:34	0°♒		desc. node	9356 Feb 15 17:21	27°♒29'43	
desc. node	9353 Aug 30 23:40	25°♒06'12			9356 Feb 17 17:40	0°♓	
greatest brilliancy	9353 Sep 02 00:17	25°♒56'29	-4.8m	max. Earth dist.	9356 Feb 20 07:56	3°♓13'49	1.72102 AU

superior conj	9356 Feb 23 08:51	7°  00'53	-0°18'28			9358 Aug 09 14:49	30° 	
minimum elong	9356 Feb 23 04:26	6°  47'06	0°18'07	direct		9358 Aug 12 15:09	29°  49'12	
	9356 Mar 12 18:48	0° 				9358 Aug 15 16:31	0° 	
evening rise	9356 Apr 02 23:54	26°  33'08		greatest brilliancy		9358 Aug 22 10:17	1°  034'46	-4.8m
	9356 Apr 05 17:55	0° 				9358 Sep 30 11:49	0° 	
	9356 Apr 29 16:24	0° 		morning max el		9358 Sep 30 17:48	0°  14'23	45°55'59
	9356 May 23 16:33	0° 				9358 Oct 29 10:57	0° 	
asc. node	9356 Jun 07 14:29	18°  32'01		asc. node		9358 Nov 23 12:53	28°  12'33	
	9356 Jun 16 21:09	0° 				9358 Nov 25 02:09	0° 	
	9356 Jul 11 09:27	0° 				9358 Dec 20 15:18	0° 	
	9356 Aug 05 10:26	0° 				9359 Jan 14 13:09	0° 	
	9356 Aug 31 10:10	0° 				9359 Feb 08 01:30	0° 	
desc. node	9356 Sep 27 10:39	28°  15'53				9359 Mar 04 07:39	0° 	
	9356 Sep 28 11:23	0° 		desc. node		9359 Mar 15 05:52	13°  13'32	
evening max el	9356 Oct 04 03:00	5°  33'18	45°45'54			9359 Mar 28 09:19	0° 	
	9356 Nov 03 20:10	0° 		morning set		9359 Mar 29 15:46	1°  13'12	
greatest brilliancy	9356 Nov 12 02:46	3°  44'26	-4.7m			9359 Apr 21 07:45	0° 	
retrograde	9356 Nov 21 21:57	5°  28'07						
	9356 Dec 08 21:19	30°  13'16		superior conj		9359 May 09 07:46	22°  37'36	-1°27'43
evening set	9356 Dec 09 07:15	29°  45'19		minimum elong		9359 May 09 06:47	22°  34'33	1°27'57
inferior conj	9356 Dec 13 07:06	27°  17'22	-7°22'51	max. Earth dist.		9359 May 08 23:43	22°  12'18	1.71249 AU
minimum elong	9356 Dec 13 16:15	27°  03'00	7°21'06			9359 May 15 04:30	0° 	
min. Earth dist.	9356 Dec 13 21:57	26°  54'03	0.28829 AU			9359 Jun 08 01:37	0° 	
morning rise	9356 Dec 18 01:04	24°  22'31		evening rise		9359 Jun 18 20:04	13°  029'32	
direct	9357 Jan 03 18:36	19°  01'04				9359 Jul 02 01:05	0° 	
greatest brilliancy	9357 Jan 14 17:17	21°  13'16	-4.8m	asc. node		9359 Jul 06 02:28	5°  03'29	
asc. node	9357 Jan 18 10:25	22°  50'41				9359 Jul 26 04:31	0° 	
	9357 Jan 30 00:29	0° 				9359 Aug 19 13:22	0° 	
morning max el	9357 Feb 22 13:58	20°  34'59	46°18'53			9359 Sep 13 06:01	0° 	
	9357 Mar 03 14:57	0° 				9359 Oct 08 10:44	0° 	
	9357 Mar 30 17:26	0° 		desc. node		9359 Oct 25 21:36	20°  15'36	
	9357 Apr 25 05:15	0° 				9359 Nov 03 11:09	0° 	
desc. node	9357 May 10 05:06	18°  05'48				9359 Nov 30 23:59	0° 	
	9357 May 19 23:20	0° 		evening max el		9359 Dec 15 12:34	14°  35'38	45°57'19
	9357 Jun 13 08:30	0° 				9360 Jan 01 20:17	0° 	
	9357 Jul 07 13:52	0° 		greatest brilliancy		9360 Jan 23 23:34	13°  11'13	-4.8m
	9357 Jul 31 18:32	0° 		retrograde		9360 Feb 02 16:12	15°  05'39	
	9357 Aug 24 23:58	0° 		asc. node		9360 Feb 15 21:43	11°  13'31	
morning set	9357 Aug 27 09:37	2°  58'19		evening set		9360 Feb 17 05:20	10°  15'44	
asc. node	9357 Aug 31 01:14	7°  29'13		inferior conj		9360 Feb 23 13:12	7°  14'33	1°56'13
	9357 Sep 18 06:16	0° 		minimum elong		9360 Feb 23 08:49	7°  12'20	1°54'58
				min. Earth dist.		9360 Feb 23 20:18	7°  03'35	0.27434 AU
superior conj	9357 Oct 03 23:43	19°  25'31	1°10'18	morning rise		9360 Feb 29 11:38	3°  14'19	
minimum elong	9357 Oct 03 14:39	18°  57'32	1°10'07			9360 Mar 09 11:26	30° 	
max. Earth dist.	9357 Oct 05 05:31	20°  57'29	1.73121 AU	direct		9360 Mar 15 10:27	29°  16'10	
	9357 Oct 12 13:18	0° 				9360 Mar 21 13:51	0° 	
	9357 Nov 05 21:20	0° 		greatest brilliancy		9360 Mar 25 23:58	1°  21'15	-4.9m
evening rise	9357 Nov 09 12:12	4°  27'19				9360 May 02 20:42	0° 	
	9357 Nov 30 07:08	0° 		morning max el		9360 May 04 21:48	2°  02'42	46°57'08
desc. node	9357 Dec 20 18:48	25°  30'51				9360 May 30 21:45	0° 	
	9357 Dec 24 19:15	0° 		desc. node		9360 Jun 06 17:23	7°  45'02	
	9358 Jan 18 09:39	0° 				9360 Jun 25 19:36	0° 	
	9358 Feb 12 02:33	0° 				9360 Jul 20 22:10	0° 	
	9358 Mar 09 00:20	0° 				9360 Aug 14 16:50	0° 	
	9358 Apr 03 10:11	0° 				9360 Sep 08 08:06	0° 	
asc. node	9358 Apr 12 17:38	10°  14'23		asc. node		9360 Sep 27 13:52	23°  13'31	
	9358 Apr 30 02:35	0° 				9360 Oct 02 21:08	0° 	
evening max el	9358 May 12 10:26	12°  52'24	46°55'06			9360 Oct 27 07:55	0° 	
	9358 May 30 22:01	0° 		morning set		9360 Nov 04 15:55	10°  14'59	
greatest brilliancy	9358 Jun 21 09:15	13°  33'22	-4.9m			9360 Nov 20 16:40	0° 	
retrograde	9358 Jul 01 20:02	15°  35'42		max. Earth dist.		9360 Dec 10 05:36	24°  06'24	1.73139 AU
evening set	9358 Jul 16 23:54	11°  05'28						
inferior conj	9358 Jul 22 18:19	7°  39'08	2°43'18	superior conj		9360 Dec 11 05:37	25°  20'31	1°14'19
minimum elong	9358 Jul 23 00:21	7°  29'47	2°41'12	minimum elong		9360 Dec 11 14:03	25°  14'34	1°14'25
min. Earth dist.	9358 Jul 22 13:30	7°  46'34	0.27416 AU			9360 Dec 15 00:09	0° 	
morning rise	9358 Jul 29 01:19	3°  56'51				9361 Jan 08 07:00	0° 	
desc. node	9358 Aug 02 14:27	1°  49'12		desc. node		9361 Jan 17 06:56	11°  07'26	

evening rise	9361 Jan 17 22:45	11° \approx 56'18			9363 Sep 22 10:27	0° \mathbb{M}	
	9361 Feb 01 13:12	0° \mathbb{H}			9363 Oct 17 18:03	0° $\underline{\mathbb{L}}$	
	9361 Feb 25 18:28	0° \mathbb{Y}		asc. node	9363 Oct 26 02:27	9° $\underline{\mathbb{L}}$ 59'56	
	9361 Mar 21 23:16	0° \mathbb{B}			9363 Nov 11 16:29	0° \mathbb{M}	
	9361 Apr 15 05:47	0° \mathbb{II}			9363 Dec 06 07:51	0° \mathbb{X}	
	9361 May 09 18:12	0° \mathbb{G}			9363 Dec 30 17:58	0° \mathbb{Z}	
asc. node	9361 May 10 04:55	0° \mathbb{G} 32'30		morning set	9364 Jan 13 10:34	16° \mathbb{Z} 54'24	
	9361 Jun 03 19:19	0° Ω			9364 Jan 24 00:28	0° \approx	
	9361 Jun 29 22:15	0° \mathbb{M}		desc. node	9364 Feb 14 19:12	27° \approx 02'46	
evening max el	9361 Jul 22 20:34	24° \mathbb{M} 16'41	46°20'01		9364 Feb 17 04:11	0° \mathbb{H}	
	9361 Jul 28 18:09	0° $\underline{\mathbb{L}}$		max. Earth dist.	9364 Feb 17 19:25	0° \mathbb{H} 47'26	1.72146 AU
desc. node	9361 Aug 30 01:38	23° $\underline{\mathbb{L}}$ 30'27					
greatest brilliancy	9361 Aug 30 15:07	23° $\underline{\mathbb{L}}$ 43'44	-4.8m	superior conj	9364 Feb 20 22:16	4° \mathbb{H} 40'24	-0°14'51
retrograde	9361 Sep 10 16:35	25° $\underline{\mathbb{L}}$ 58'25		minimum elong	9364 Feb 20 18:43	4° \mathbb{H} 29'21	0°14'31
evening set	9361 Sep 27 02:34	20° $\underline{\mathbb{L}}$ 46'26		behind sun begin	9364 Feb 20 07:48	3° \mathbb{H} 55'21	
min. Earth dist.	9361 Oct 01 10:55	18° $\underline{\mathbb{L}}$ 08'06	0.28775 AU	behind sun end	9364 Feb 21 05:38	5° \mathbb{H} 03'20	
inferior conj	9361 Oct 02 03:38	17° $\underline{\mathbb{L}}$ 41'59	-6°57'48		9364 Mar 12 05:24	0° \mathbb{Y}	
minimum elong	9361 Oct 01 17:53	17° $\underline{\mathbb{L}}$ 57'13	6°55'58	evening rise	9364 Mar 31 11:59	24° \mathbb{Y} 07'05	
morning rise	9361 Oct 06 09:31	15° $\underline{\mathbb{L}}$ 06'03			9364 Apr 05 04:39	0° \mathbb{B}	
direct	9361 Oct 23 12:08	9° $\underline{\mathbb{L}}$ 32'50			9364 Apr 29 03:16	0° \mathbb{II}	
greatest brilliancy	9361 Nov 02 08:30	11° $\underline{\mathbb{L}}$ 18'05	-4.7m		9364 May 23 03:35	0° \mathbb{G}	
	9361 Dec 01 00:14	0° \mathbb{M}		asc. node	9364 Jun 06 16:32	18° \mathbb{G} 03'43	
morning max el	9361 Dec 11 08:17	9° \mathbb{M} 30'18	45°43'10		9364 Jun 16 08:27	0° Ω	
asc. node	9361 Dec 21 00:57	19° \mathbb{M} 09'29			9364 Jul 10 21:15	0° \mathbb{M}	
	9361 Dec 31 08:22	0° \mathbb{X}			9364 Aug 04 23:11	0° $\underline{\mathbb{L}}$	
	9362 Jan 27 03:13	0° \mathbb{Z}			9364 Aug 31 00:54	0° \mathbb{M}	
	9362 Feb 21 13:39	0° \approx		desc. node	9364 Sep 26 12:33	28° \mathbb{M} 13'05	
	9362 Mar 18 07:38	0° \mathbb{H}			9364 Sep 28 07:34	0° \mathbb{X}	
desc. node	9362 Apr 11 18:30	0° \mathbb{Y} 07'47		evening max el	9364 Oct 01 17:59	3° \mathbb{X} 21'12	45°46'14
	9362 Apr 11 15:59	0° \mathbb{Y}			9364 Nov 05 18:38	0° \mathbb{Z}	
	9362 May 05 18:21	0° \mathbb{B}		greatest brilliancy	9364 Nov 09 18:20	1° \mathbb{Z} 34'53	-4.7m
	9362 May 29 17:32	0° \mathbb{II}		retrograde	9364 Nov 19 12:55	3° \mathbb{Z} 18'22	
morning set	9362 Jun 13 15:08	18° \mathbb{II} 40'32			9364 Dec 02 13:39	30° \mathbb{R} \mathbb{X}	
	9362 Jun 22 16:02	0° \mathbb{G}		evening set	9364 Dec 07 01:44	27° \mathbb{X} 31'34	
	9362 Jul 16 15:47	0° Ω		inferior conj	9364 Dec 10 23:07	25° \mathbb{X} 07'12	-7°33'03
				minimum elong	9364 Dec 11 07:53	24° \mathbb{X} 53'25	7°31'27
superior conj	9362 Jul 23 01:37	7° Ω 59'54	-0°25'19	min. Earth dist.	9364 Dec 11 13:31	24° \mathbb{X} 44'33	0.28867 AU
minimum elong	9362 Jul 23 07:38	8° Ω 18'39	0°25'17	morning rise	9364 Dec 15 13:49	22° \mathbb{X} 16'47	
max. Earth dist.	9362 Jul 26 02:23	11° Ω 46'42	1.72069 AU	direct	9365 Jan 01 10:35	16° \mathbb{X} 50'38	
asc. node	9362 Aug 02 14:42	21° Ω 08'01		greatest brilliancy	9365 Jan 12 09:05	19° \mathbb{X} 02'01	-4.8m
	9362 Aug 09 17:51	0° \mathbb{M}		asc. node	9365 Jan 17 12:21	21° \mathbb{X} 22'10	
evening rise	9362 Aug 30 12:55	25° \mathbb{M} 47'12			9365 Jan 30 14:25	0° \mathbb{Z}	
	9362 Sep 02 22:40	0° $\underline{\mathbb{L}}$		morning max el	9365 Feb 20 04:13	18° \mathbb{Z} 27'47	46°17'12
	9362 Sep 27 06:53	0° \mathbb{M}			9365 Mar 03 09:25	0° \approx	
	9362 Oct 21 19:44	0° \mathbb{X}			9365 Mar 30 07:55	0° \mathbb{H}	
	9362 Nov 15 15:03	0° \mathbb{Z}			9365 Apr 24 18:06	0° \mathbb{Y}	
desc. node	9362 Nov 22 09:04	8° \mathbb{Z} 05'53		desc. node	9365 May 09 07:07	17° \mathbb{Y} 34'33	
	9362 Dec 10 18:50	0° \approx			9365 May 19 11:21	0° \mathbb{B}	
	9363 Jan 05 10:02	0° \mathbb{H}			9365 Jun 12 19:59	0° \mathbb{II}	
	9363 Jan 31 21:07	0° \mathbb{Y}			9365 Jul 07 00:57	0° \mathbb{G}	
evening max el	9363 Feb 26 01:21	26° \mathbb{Y} 38'39	46°39'46		9365 Jul 31 05:21	0° Ω	
	9363 Mar 01 11:14	0° \mathbb{B}			9365 Aug 24 10:33	0° \mathbb{M}	
asc. node	9363 Mar 15 08:45	12° \mathbb{B} 38'13		morning set	9365 Aug 25 01:23	0° \mathbb{M} 45'51	
greatest brilliancy	9363 Apr 07 11:42	27° \mathbb{B} 13'04	-4.9m	asc. node	9365 Aug 30 03:05	7° \mathbb{M} 02'21	
retrograde	9363 Apr 17 06:42	29° \mathbb{B} 01'20			9365 Sep 17 16:44	0° $\underline{\mathbb{L}}$	
evening set	9363 May 05 07:57	22° \mathbb{B} 46'49					
inferior conj	9363 May 07 21:23	21° \mathbb{B} 12'54	9°12'24	superior conj	9365 Oct 01 16:59	17° $\underline{\mathbb{L}}$ 18'31	1°08'21
minimum elong	9363 May 07 19:53	21° \mathbb{B} 15'14	9°12'08	minimum elong	9365 Oct 01 07:41	16° $\underline{\mathbb{L}}$ 49'49	1°08'08
min. Earth dist.	9363 May 07 20:12	21° \mathbb{B} 14'44	0.27136 AU	max. Earth dist.	9365 Oct 02 23:19	18° $\underline{\mathbb{L}}$ 52'10	1.73100 AU
morning rise	9363 May 10 07:51	19° \mathbb{B} 43'35			9365 Oct 11 23:43	0° \mathbb{M}	
direct	9363 May 28 13:58	13° \mathbb{B} 24'35			9365 Nov 05 07:49	0° \mathbb{X}	
greatest brilliancy	9363 Jun 07 03:53	15° \mathbb{B} 09'15	-4.9m	evening rise	9365 Nov 07 05:36	2° \mathbb{X} 20'50	
	9363 Jun 30 16:52	0° \mathbb{II}			9365 Nov 29 17:48	0° \mathbb{Z}	
desc. node	9363 Jul 05 05:05	3° \mathbb{II} 54'06		desc. node	9365 Dec 19 20:48	24° \mathbb{Z} 38'04	
morning max el	9363 Jul 17 21:34	15° \mathbb{II} 55'41	46°42'46		9365 Dec 24 06:13	0° \approx	
	9363 Jul 31 12:03	0° \mathbb{G}			9366 Jan 17 21:03	0° \mathbb{H}	
	9363 Aug 27 13:13	0° Ω			9366 Feb 11 14:36	0° \mathbb{Y}	

	9366 Mar 08 13:22	0°♄		9368 Aug 14 04:42	0°♏	
	9366 Apr 03 01:00	0°♁		9368 Sep 07 19:28	0°♎	
asc. node	9366 Apr 11 19:39	10°♁03'15	asc. node	9368 Sep 26 15:49	23°♎02'38	
	9366 Apr 29 21:28	0°♄		9368 Oct 02 08:09	0°♎	
evening max el	9366 May 09 23:17	10°♄27'43 46°55'30		9368 Oct 26 18:42	0°♎	
	9366 May 31 10:14	0°♏	morning set	9368 Nov 02 09:12	8°♎07'25	
greatest brilliancy	9366 Jun 19 01:11	11°♏14'06 -4.9m		9368 Nov 20 03:20	0°♄	
retrograde	9366 Jun 29 09:41	13°♏14'55	max. Earth dist.	9368 Dec 08 02:59	22°♄11'17 1.73156 AU	
evening set	9366 Jul 14 15:58	8°♏41'50				
inferior conj	9366 Jul 20 08:07	5°♏19'04 3°05'29	superior conj	9368 Dec 08 22:44	23°♄12'13 1°15'56	
minimum elong	9366 Jul 20 14:54	5°♏08'35 3°03'09	minimum elong	9368 Dec 09 06:46	23°♄37'00 1°16'03	
min. Earth dist.	9366 Jul 20 04:38	5°♏24'26 0.27387 AU		9368 Dec 14 10:50	0°♄	
morning rise	9366 Jul 26 14:11	1°♏37'53		9369 Jan 07 17:47	0°♄	
	9366 Jul 29 22:13	30°♎♄	evening rise	9369 Jan 15 14:19	9°♄42'34	
desc. node	9366 Aug 01 16:23	28°♄55'39	desc. node	9369 Jan 16 08:48	10°♄39'41	
direct	9366 Aug 10 03:55	27°♄29'14		9369 Feb 01 00:10	0°♄	
greatest brilliancy	9366 Aug 20 00:41	29°♄16'01 -4.8m		9369 Feb 25 05:41	0°♄	
	9366 Aug 21 23:35	0°♏		9369 Mar 21 10:49	0°♄	
morning max el	9366 Sep 28 07:39	27°♏57'13 45°57'26		9369 Apr 14 17:48	0°♁	
	9366 Sep 30 10:16	0°♎	asc. node	9369 May 09 06:57	0°♄00'03	
	9366 Oct 29 02:33	0°♎		9369 May 09 06:56	0°♄	
asc. node	9366 Nov 22 14:59	27°♎40'30		9369 Jun 03 09:18	0°♏	
	9366 Nov 24 15:16	0°♎		9369 Jun 29 14:55	0°♎	
	9366 Dec 20 03:15	0°♄	evening max el	9369 Jul 20 12:53	22°♎03'30 46°21'35	
	9367 Jan 14 00:31	0°♄		9369 Jul 28 19:22	0°♎	
	9367 Feb 07 12:34	0°♄	greatest brilliancy	9369 Aug 28 06:08	21°♎29'57 -4.8m	
	9367 Mar 03 18:33	0°♄	desc. node	9369 Aug 29 03:37	21°♎50'01	
desc. node	9367 Mar 14 07:47	13°♄07'42	retrograde	9369 Sep 08 09:03	23°♎45'39	
morning set	9367 Mar 27 03:05	29°♄06'37	evening set	9369 Sep 24 15:14	18°♎38'24	
	9367 Mar 27 20:09	0°♄	min. Earth dist.	9369 Sep 29 01:41	15°♎57'02 0.28730 AU	
	9367 Apr 20 18:33	0°♄	inferior conj	9369 Sep 29 19:17	15°♎29'33 -6°45'20	
max. Earth dist.	9367 May 06 05:44	19°♄26'26 1.71256 AU	minimum elong	9369 Sep 29 09:22	15°♎45'03 6°43'24	
			morning rise	9369 Oct 04 03:54	12°♎49'49	
superior conj	9367 May 06 18:53	20°♄07'46 -1°27'29	direct	9369 Oct 21 03:58	7°♎21'13	
minimum elong	9367 May 06 16:49	20°♄01'15 1°27'42	greatest brilliancy	9369 Oct 30 22:31	9°♎05'18 -4.7m	
	9367 May 14 15:18	0°♁		9369 Dec 01 03:18	0°♎	
	9367 Jun 07 12:27	0°♄	morning max el	9369 Dec 09 00:02	7°♎19'06 45°42'47	
evening rise	9367 Jun 16 07:23	11°♄00'46	asc. node	9369 Dec 20 02:49	18°♎25'30	
	9367 Jul 01 12:01	0°♏		9369 Dec 31 01:07	0°♄	
asc. node	9367 Jul 05 04:24	4°♏35'27		9370 Jan 26 17:00	0°♄	
	9367 Jul 25 15:35	0°♎		9370 Feb 21 02:11	0°♄	
	9367 Aug 19 00:40	0°♎		9370 Mar 17 19:31	0°♄	
	9367 Sep 12 17:45	0°♎	desc. node	9370 Apr 10 20:32	29°♄38'24	
	9367 Oct 07 23:20	0°♄		9370 Apr 11 03:30	0°♄	
desc. node	9367 Oct 24 23:42	19°♄42'35		9370 May 05 05:40	0°♄	
	9367 Nov 03 01:30	0°♄		9370 May 29 04:42	0°♁	
	9367 Nov 30 18:34	0°♄	morning set	9370 Jun 11 03:08	16°♁12'58	
evening max el	9367 Dec 13 03:01	12°♄20'05 45°56'11		9370 Jun 22 03:05	0°♄	
	9368 Jan 02 09:06	0°♄		9370 Jul 16 02:44	0°♏	
greatest brilliancy	9368 Jan 21 12:44	11°♄01'08 -4.8m				
retrograde	9368 Jan 31 06:10	12°♄46'05	superior conj	9370 Jul 20 14:53	5°♏37'28 -0°28'52	
evening set	9368 Feb 14 19:00	8°♄37'43	minimum elong	9370 Jul 20 21:40	5°♏58'37 0°28'48	
asc. node	9368 Feb 14 23:40	8°♄31'28	max. Earth dist.	9370 Jul 23 18:52	9°♏34'21 1.72026 AU	
inferior conj	9368 Feb 21 03:03	4°♄54'14 1°33'24	asc. node	9370 Aug 01 16:31	20°♏39'45	
minimum elong	9368 Feb 20 23:30	4°♄59'43 1°32'26		9370 Aug 09 04:44	0°♎	
min. Earth dist.	9368 Feb 21 10:50	4°♄42'14 0.27472 AU	evening rise	9370 Aug 28 04:43	23°♎33'48	
morning rise	9368 Feb 27 03:23	1°♄19'41		9370 Sep 02 09:37	0°♎	
	9368 Feb 29 17:09	30°♎♄		9370 Sep 26 17:58	0°♎	
direct	9368 Mar 13 01:06	26°♄55'06		9370 Oct 21 07:06	0°♄	
greatest brilliancy	9368 Mar 23 15:21	29°♄01'26 -4.9m		9370 Nov 15 02:54	0°♄	
	9368 Mar 25 24:00	0°♄	desc. node	9370 Nov 21 11:05	7°♄35'55	
morning max el	9368 May 02 13:03	29°♄43'55 46°56'33		9370 Dec 10 07:28	0°♄	
	9368 May 02 19:26	0°♄		9371 Jan 05 00:06	0°♄	
	9368 May 30 13:58	0°♄		9371 Jan 31 14:03	0°♄	
desc. node	9368 Jun 05 19:27	7°♄06'36	evening max el	9371 Feb 23 15:19	24°♄16'30 46°38'15	
	9368 Jun 25 09:26	0°♁		9371 Mar 01 12:25	0°♄	
	9368 Jul 20 10:47	0°♄	asc. node	9371 Mar 14 10:44	11°♄29'06	

greatest brilliancy	9371 Apr 05 00:38	24°  47'07	-4.9m	asc. node	9373 Aug 29 05:07	6°  34'48	
retrograde	9371 Apr 14 19:13	26°  34'47			9373 Sep 17 03:36	0°  ♁	
evening set	9371 May 02 18:36	20°  24'05					
inferior conj	9371 May 05 10:14	18°  46'41	9°10'18	superior conj	9373 Sep 29 09:53	15°  09'08	1°06'16
minimum elong	9371 May 05 07:45	18°  50'31	9°09'59	minimum elong	9373 Sep 29 00:24	14°  03'53	1°06'02
min. Earth dist.	9371 May 05 08:45	18°  49'00	0.27135 AU	max. Earth dist.	9373 Sep 30 16:01	16°  04'10	1.73078 AU
morning rise	9371 May 07 20:57	17°  16'49			9373 Oct 11 10:31	0°  ♁	
direct	9371 May 26 02:57	10°  58'26		evening rise	9373 Nov 04 22:46	0°  ♁12'37	
greatest brilliancy	9371 Jun 04 16:45	12°  42'45	-4.9m		9373 Nov 04 18:40	0°  ♁	
	9371 Jul 01 01:57	0°  ♁			9373 Nov 29 04:49	0°  ♁	
desc. node	9371 Jul 04 06:59	2°  51'24		desc. node	9373 Dec 18 22:40	24°  09'20	
morning max el	9371 Jul 15 10:10	13°  29'42	46°44'04		9373 Dec 23 17:33	0°  ♁	
	9371 Jul 31 06:52	0°  ♁			9374 Jan 17 08:51	0°  ♁	
	9371 Aug 27 04:08	0°  ♁			9374 Feb 11 03:03	0°  ♁	
	9371 Sep 21 23:34	0°  ♁			9374 Mar 08 02:49	0°  ♁	
	9371 Oct 17 06:10	0°  ♁			9374 Apr 02 16:16	0°  ♁	
asc. node	9371 Oct 25 04:29	9°  03'00		asc. node	9374 Apr 10 21:44	9°  02'30	
	9371 Nov 11 04:01	0°  ♁			9374 Apr 29 17:04	0°  ♁	
	9371 Dec 05 19:02	0°  ♁		evening max el	9374 May 07 12:18	8°  03'05	46°56'01
	9371 Dec 30 04:59	0°  ♁			9374 Jun 01 02:48	0°  ♁	
morning set	9372 Jan 11 02:40	14°  04'54		greatest brilliancy	9374 Jun 16 16:23	8°  05'42	-4.9m
	9372 Jan 23 11:23	0°  ♁		retrograde	9374 Jun 26 23:48	10°  05'40	
desc. node	9372 Feb 13 21:09	26°  03'51		evening set	9374 Jul 12 08:14	6°  05'30	
max. Earth dist.	9372 Feb 15 07:51	28°  02'48	1.72187 AU	inferior conj	9374 Jul 17 21:58	2°  05'31	3°27'14
	9372 Feb 16 15:06	0°  ♁		minimum elong	9374 Jul 18 05:27	2°  05'59	3°24'43
				min. Earth dist.	9374 Jul 17 19:28	3°  02'22	0.27364 AU
superior conj	9372 Feb 18 12:03	2°  08'52	-0°11'13		9374 Jul 22 21:13	30°  08'52	
minimum elong	9372 Feb 18 09:23	2°  11'33	0°10'55	morning rise	9374 Jul 24 02:57	29°  08'51	
behind sun begin	9372 Feb 17 15:02	1°  14'27		desc. node	9374 Jul 31 18:22	26°  07'00	
behind sun end	9372 Feb 19 03:43	3°  08'39		direct	9374 Aug 07 17:02	25°  08'40	
	9372 Mar 11 16:24	0°  ♁		greatest brilliancy	9374 Aug 17 14:57	26°  06'38	-4.8m
evening rise	9372 Mar 29 00:26	21°  04'10			9374 Aug 24 12:12	0°  ♁	
	9372 Apr 04 15:45	0°  ♁		morning max el	9374 Sep 25 22:31	25°  04'42	45°58'45
	9372 Apr 28 14:31	0°  ♁			9374 Sep 30 08:08	0°  ♁	
	9372 May 22 15:02	0°  ♁			9374 Oct 28 18:11	0°  ♁	
asc. node	9372 Jun 05 18:25	17°  03'27		asc. node	9374 Nov 21 16:51	27°  07'10	
	9372 Jun 15 20:14	0°  ♁			9374 Nov 24 04:33	0°  ♁	
	9372 Jul 10 09:36	0°  ♁			9374 Dec 19 15:22	0°  ♁	
	9372 Aug 04 12:33	0°  ♁			9375 Jan 13 12:02	0°  ♁	
	9372 Aug 30 16:24	0°  ♁			9375 Feb 06 23:47	0°  ♁	
desc. node	9372 Sep 25 14:39	27°  02'39			9375 Mar 03 05:38	0°  ♁	
	9372 Sep 28 05:06	0°  ♁		desc. node	9375 Mar 13 09:47	12°  03'34	
evening max el	9372 Sep 29 07:58	1°  05'07	45°46'44	morning set	9375 Mar 24 14:30	26°  03'54	
greatest brilliancy	9372 Nov 07 09:37	29°  23'32	-4.7m		9375 Mar 27 07:10	0°  ♁	
	9372 Nov 09 08:41	0°  ♁			9375 Apr 20 05:30	0°  ♁	
retrograde	9372 Nov 17 04:00	1°  07'19		max. Earth dist.	9375 May 03 13:48	16°  04'29	1.71259 AU
	9372 Nov 24 17:03	30°  07'19					
evening set	9372 Dec 04 20:03	25°  07'18		superior conj	9375 May 04 06:07	17°  07'46	-1°27'03
inferior conj	9372 Dec 08 15:04	22°  07'53	-7°42'34	minimum elong	9375 May 04 02:58	17°  07'51	1°27'16
minimum elong	9372 Dec 08 23:24	22°  07'26	7°41'07		9375 May 14 02:13	0°  ♁	
min. Earth dist.	9372 Dec 09 05:06	22°  07'33	0.28905 AU		9375 Jun 06 23:22	0°  ♁	
morning rise	9372 Dec 13 02:32	20°  09'45		evening rise	9375 Jun 13 18:58	8°  03'35	
direct	9372 Dec 30 02:12	14°  07'38			9375 Jun 30 22:59	0°  ♁	
greatest brilliancy	9373 Jan 10 01:21	16°  07'57	-4.8m	asc. node	9375 Jul 04 06:17	4°  07'08	
asc. node	9373 Jan 16 14:18	19°  07'55			9375 Jul 25 02:40	0°  ♁	
	9373 Jan 31 01:23	0°  ♁			9375 Aug 18 12:00	0°  ♁	
morning max el	9373 Feb 17 18:42	16°  09'52	46°15'45		9375 Sep 12 05:35	0°  ♁	
	9373 Mar 03 03:52	0°  ♁			9375 Oct 07 12:07	0°  ♁	
	9373 Mar 29 22:36	0°  ♁		desc. node	9375 Oct 24 01:39	19°  08'39	
	9373 Apr 24 07:12	0°  ♁			9375 Nov 02 16:10	0°  ♁	
desc. node	9373 May 08 09:07	17°  02'30			9375 Nov 30 13:47	0°  ♁	
	9373 May 18 23:36	0°  ♁		evening max el	9375 Dec 10 18:14	10°  06'17	45°55'10
	9373 Jun 12 07:43	0°  ♁			9376 Jan 03 02:21	0°  ♁	
	9373 Jul 06 12:21	0°  ♁		greatest brilliancy	9376 Jan 19 01:55	8°  04'21	-4.8m
	9373 Jul 30 16:30	0°  ♁		retrograde	9376 Jan 28 20:18	10°  03'37	
morning set	9373 Aug 22 16:46	28°  03'05		evening set	9376 Feb 12 09:03	6°  03'51	
	9373 Aug 23 21:32	0°  ♁		asc. node	9376 Feb 14 01:42	5°  03'29	

inferior conj	9376 Feb 18 16:59	2° X 34'07	1°10'34	asc. node	9378 Jul 31 18:35	20° Ω 13'00	
minimum elong	9376 Feb 18 14:17	2° X 38'17	1°09'53		9378 Aug 08 15:23	0° M	
min. Earth dist.	9376 Feb 19 01:13	2° X 21'24	0.27509 AU	evening rise	9378 Aug 25 20:35	21° M 21'24	
	9376 Feb 22 22:44	30° R			9378 Sep 01 20:15	0° Ω	
morning rise	9376 Feb 24 19:00	28° \approx 57'24			9378 Sep 26 04:42	0° M	
direct	9376 Mar 10 16:09	24° \approx 34'29			9378 Oct 20 18:07	0° X	
greatest brilliancy	9376 Mar 21 06:16	26° \approx 41'10	-4.9m		9378 Nov 14 14:24	0° Z	
	9376 Mar 28 05:00	0° X		desc. node	9378 Nov 20 12:57	7° Z 06'34	
morning max el	9376 Apr 30 04:21	27° X 25'21	46°55'50		9378 Dec 09 19:50	0° \approx	
	9376 May 02 17:17	0° Y			9379 Jan 04 14:00	0° X	
	9376 May 30 05:55	0° B			9379 Jan 31 07:03	0° Y	
desc. node	9376 Jun 04 21:15	6° B 27'48		evening max el	9379 Feb 21 04:24	21° Y 53'01	46°36'44
	9376 Jun 24 23:06	0° II			9379 Mar 01 14:39	0° B	
	9376 Jul 19 23:15	0° G		asc. node	9379 Mar 13 12:48	10° B 19'04	
	9376 Aug 13 16:25	0° Ω		greatest brilliancy	9379 Apr 02 13:58	22° B 22'29	-4.9m
	9376 Sep 07 06:41	0° M		retrograde	9379 Apr 12 07:25	24° B 09'23	
asc. node	9376 Sep 25 17:48	22° M 35'13		evening set	9379 Apr 30 04:39	18° B 03'20	
	9376 Oct 01 19:02	0° Ω		inferior conj	9379 May 02 23:08	16° B 21'37	9°07'04
	9376 Oct 26 05:22	0° M		minimum elong	9379 May 02 19:40	16° B 26'58	9°06'42
morning set	9376 Oct 31 02:35	6° M 00'27		min. Earth dist.	9379 May 02 21:33	16° B 24'02	0.27134 AU
	9376 Nov 19 13:56	0° X		morning rise	9379 May 05 10:41	14° B 50'19	
max. Earth dist.	9376 Dec 05 22:55	20° X 11'55	1.73172 AU	direct	9379 May 23 15:27	8° B 33'13	
				greatest brilliancy	9379 Jun 02 06:10	10° B 17'53	-4.9m
superior conj	9376 Dec 06 15:52	21° X 04'13	1°17'26		9379 Jul 01 08:06	0° II	
minimum elong	9376 Dec 06 23:26	21° X 27'34	1°17'35	desc. node	9379 Jul 03 09:02	1° II 51'37	
	9376 Dec 13 21:27	0° Z		morning max el	9379 Jul 12 22:16	11° II 03'14	46°45'23
	9377 Jan 07 04:30	0° \approx			9379 Jul 31 00:49	0° G	
evening rise	9377 Jan 13 05:45	7° \approx 28'44			9379 Aug 26 18:30	0° Ω	
desc. node	9377 Jan 15 10:45	10° \approx 12'27			9379 Sep 21 12:12	0° M	
	9377 Jan 31 11:03	0° X			9379 Oct 16 17:50	0° Ω	
	9377 Feb 24 16:48	0° Y		asc. node	9379 Oct 24 06:22	9° Ω 01'39	
	9377 Mar 20 22:17	0° B			9379 Nov 10 15:05	0° M	
	9377 Apr 14 05:46	0° II			9379 Dec 05 05:45	0° X	
asc. node	9377 May 08 08:50	29° II 27'18			9379 Dec 29 15:32	0° Z	
	9377 May 08 19:38	0° G		morning set	9380 Jan 08 18:55	12° Z 31'12	
	9377 Jun 02 23:17	0° Ω			9380 Jan 22 21:54	0° \approx	
	9377 Jun 29 07:41	0° M		desc. node	9380 Feb 12 23:11	26° \approx 08'19	
evening max el	9377 Jul 18 05:19	19° M 51'13	46°23'11	max. Earth dist.	9380 Feb 12 22:13	26° \approx 05'18	1.72236 AU
	9377 Jul 28 21:35	0° Ω					
greatest brilliancy	9377 Aug 25 21:51	19° Ω 18'11	-4.8m	superior conj	9380 Feb 16 01:49	0° X 00'27	-0°07'34
desc. node	9377 Aug 28 05:39	20° Ω 07'19		minimum elong	9380 Feb 16 00:02	29° \approx 54'53	0°07'19
retrograde	9377 Sep 06 01:20	21° Ω 34'08		behind sun begin	9380 Feb 15 01:54	28° \approx 46'01	
evening set	9377 Sep 22 04:14	16° Ω 31'47		behind sun end	9380 Feb 16 22:10	1° X 03'45	
min. Earth dist.	9377 Sep 26 16:50	13° Ω 47'12	0.28683 AU		9380 Feb 16 01:41	0° X	
inferior conj	9377 Sep 27 11:08	13° Ω 18'36	-6°32'23		9380 Mar 11 03:04	0° Y	
minimum elong	9377 Sep 27 01:06	13° Ω 34'18	6°30'21	evening rise	9380 Mar 26 12:44	19° Y 15'43	
morning rise	9377 Oct 01 22:25	10° Ω 34'59			9380 Apr 04 02:32	0° B	
direct	9377 Oct 18 20:02	5° Ω 11'16			9380 Apr 28 01:27	0° II	
greatest brilliancy	9377 Oct 28 12:44	6° Ω 53'55	-4.7m		9380 May 22 02:10	0° G	
	9377 Dec 01 04:29	0° M		asc. node	9380 Jun 04 20:22	17° G 04'25	
morning max el	9377 Dec 06 15:05	5° M 07'06	45°42'15		9380 Jun 15 07:43	0° Ω	
asc. node	9377 Dec 19 04:46	17° M 43'10			9380 Jul 09 21:40	0° M	
	9377 Dec 30 17:17	0° X			9380 Aug 04 01:39	0° Ω	
	9378 Jan 26 06:28	0° Z			9380 Aug 30 07:44	0° M	
	9378 Feb 20 14:26	0° \approx		desc. node	9380 Sep 24 16:38	26° M 40'32	
	9378 Mar 17 07:07	0° X		evening max el	9380 Sep 26 22:04	28° M 50'38	45°47'29
desc. node	9378 Apr 09 22:28	29° X 09'32			9380 Sep 28 02:55	0° X	
	9378 Apr 10 14:45	0° Y		greatest brilliancy	9380 Nov 05 00:30	27° X 13'33	-4.7m
	9378 May 04 16:42	0° B		retrograde	9380 Nov 14 19:43	28° X 58'29	
	9378 May 28 15:36	0° II		evening set	9380 Dec 02 14:22	23° X 03'17	
morning set	9378 Jun 08 14:58	13° II 45'42		inferior conj	9380 Dec 06 07:12	20° X 46'00	-7°51'13
	9378 Jun 21 13:53	0° G		minimum elong	9380 Dec 06 15:04	20° X 33'38	7°49'55
	9378 Jul 15 13:26	0° Ω		min. Earth dist.	9380 Dec 06 20:34	20° X 25'00	0.28939 AU
				morning rise	9380 Dec 10 15:33	18° X 04'56	
superior conj	9378 Jul 18 04:12	3° Ω 15'52	-0°32'21	direct	9380 Dec 27 18:03	12° X 28'32	
minimum elong	9378 Jul 18 11:43	3° Ω 39'19	0°32'17	greatest brilliancy	9381 Jan 07 17:42	14° X 40'12	-4.8m
max. Earth dist.	9378 Jul 21 10:11	7° Ω 19'07	1.71979 AU	asc. node	9381 Jan 15 16:22	18° X 33'06	

	9381 Jan 31 08:37	0°☾			9383 Aug 17 23:13	0°♊	
morning max el	9381 Feb 15 09:55	13°☾55'31 46°14'08			9383 Sep 11 17:18	0°♋	
	9381 Mar 02 21:20	0°♌			9383 Oct 07 00:49	0°♍	
	9381 Mar 29 12:42	0°♎	desc. node		9383 Oct 23 03:32	18°♍34'49	
	9381 Apr 23 19:52	0°♏			9383 Nov 02 06:51	0°☾	
desc. node	9381 May 07 10:58	16°♏31'05			9383 Nov 30 09:23	0°♌	
	9381 May 18 11:30	0°♐	evening max el		9383 Dec 08 09:48	7°♌54'01 45°54'12	
	9381 Jun 11 19:07	0°♑			9384 Jan 04 01:11	0°♎	
	9381 Jul 05 23:24	0°☾	greatest brilliancy		9384 Jan 16 15:49	6°♎23'33 -4.8m	
	9381 Jul 30 03:18	0°♒	retrograde		9384 Jan 26 10:20	8°♎08'20	
morning set	9381 Aug 20 07:54	26°♒16'16	evening set		9384 Feb 09 23:30	3°♎59'15	
	9381 Aug 23 08:09	0°♓	asc. node		9384 Feb 13 03:41	2°♎10'40	
asc. node	9381 Aug 28 07:01	6°♓07'57	inferior conj		9384 Feb 16 07:05	0°♎15'27 0°47'52	
	9381 Sep 16 14:06	0°♊	minimum elong		9384 Feb 16 05:14	0°♎18'18 0°47'28	
			min. Earth dist.		9384 Feb 16 15:53	0°♎01'52 0.27543 AU	
superior conj	9381 Sep 27 02:40	13°♊00'26 1°04'05			9384 Feb 16 17:05	30°♎	
minimum elong	9381 Sep 26 17:04	12°♊30'47 1°03'49	morning rise		9384 Feb 22 10:32	26°♌36'39	
max. Earth dist.	9381 Sep 28 08:59	14°♊34'05 1.73055 AU	direct		9384 Mar 08 07:13	22°♌15'32	
	9381 Oct 10 20:59	0°♋	greatest brilliancy		9384 Mar 18 21:06	24°♌22'05 -4.9m	
evening rise	9381 Nov 02 16:06	28°♋05'59			9384 Mar 29 14:57	0°♎	
	9381 Nov 04 05:10	0°♌	morning max el		9384 Apr 27 18:45	25°♎05'32 46°54'56	
	9381 Nov 28 15:28	0°☾			9384 May 02 13:58	0°♏	
desc. node	9381 Dec 18 00:41	23°☾42'18			9384 May 29 21:21	0°♐	
	9381 Dec 23 04:29	0°♌	desc. node		9384 Jun 03 23:19	5°♐50'49	
	9382 Jan 16 20:15	0°♎			9384 Jun 24 12:29	0°♑	
	9382 Feb 10 15:08	0°♏			9384 Jul 19 11:34	0°☾	
	9382 Mar 07 16:00	0°♐			9384 Aug 13 04:04	0°♒	
	9382 Apr 02 07:27	0°♑			9384 Sep 06 17:51	0°♓	
asc. node	9382 Apr 09 23:35	8°♑42'42	asc. node		9384 Sep 24 19:39	22°♓07'33	
	9382 Apr 29 13:06	0°☾			9384 Oct 01 05:51	0°♊	
evening max el	9382 May 05 02:00	5°☾40'39 46°56'22			9384 Oct 25 15:59	0°♋	
	9382 Jun 02 01:07	0°♒	morning set		9384 Oct 28 19:34	3°♋52'27	
greatest brilliancy	9382 Jun 14 06:48	6°♒32'14 -4.9m			9384 Nov 19 00:28	0°♌	
retrograde	9382 Jun 24 14:05	8°♒32'32	max. Earth dist.		9384 Dec 03 17:12	18°♌07'44 1.73185 AU	
evening set	9382 Jul 10 00:19	3°♒52'22					
inferior conj	9382 Jul 15 11:26	0°♒37'18 3°48'48	superior conj		9384 Dec 04 08:49	18°♌55'57 1°18'49	
minimum elong	9382 Jul 15 19:35	0°♒24'47 3°46'08	minimum elong		9384 Dec 04 15:54	19°♌17'47 1°19'00	
min. Earth dist.	9382 Jul 15 09:35	0°♒40'08 0.27341 AU			9384 Dec 13 08:01	0°☾	
	9382 Jul 16 11:44	30°♓			9385 Jan 06 15:10	0°♌	
morning rise	9382 Jul 21 15:08	26°☾59'58	evening rise		9385 Jan 10 21:08	5°♌14'55	
desc. node	9382 Jul 30 20:25	23°☾23'10	desc. node		9385 Jan 14 12:45	9°♌45'32	
direct	9382 Aug 05 06:21	22°☾47'33			9385 Jan 30 21:52	0°♎	
greatest brilliancy	9382 Aug 15 04:19	24°☾36'11 -4.8m			9385 Feb 24 03:51	0°♏	
	9382 Aug 26 02:28	0°♒			9385 Mar 20 09:40	0°♐	
morning max el	9382 Sep 23 13:39	23°♒27'24 46°00'09			9385 Apr 13 17:37	0°♑	
	9382 Sep 30 04:57	0°♓	asc. node		9385 May 07 10:49	28°♑55'17	
	9382 Oct 28 09:18	0°♊			9385 May 08 08:15	0°☾	
asc. node	9382 Nov 20 18:46	26°♊34'58			9385 Jun 02 13:17	0°♒	
	9382 Nov 23 17:25	0°♋			9385 Jun 29 00:48	0°♓	
	9382 Dec 19 03:08	0°♌	evening max el		9385 Jul 15 20:47	17°♓36'08 46°24'31	
	9383 Jan 12 23:13	0°☾			9385 Jul 29 01:37	0°♊	
	9383 Feb 06 10:39	0°♌	greatest brilliancy		9385 Aug 23 14:03	17°♊05'50 -4.8m	
	9383 Mar 02 16:21	0°♎	desc. node		9385 Aug 27 07:36	18°♊19'38	
desc. node	9383 Mar 12 11:41	12°♎12'13	retrograde		9385 Sep 03 16:56	19°♊21'12	
morning set	9383 Mar 22 02:22	24°♎11'42	evening set		9385 Sep 19 17:01	14°♊23'44	
	9383 Mar 26 17:49	0°♏	min. Earth dist.		9385 Sep 24 08:08	11°♊35'26 0.28634 AU	
	9383 Apr 19 16:09	0°♐	inferior conj		9385 Sep 25 02:41	11°♊06'24 -6°18'41	
max. Earth dist.	9383 Apr 30 23:04	14°♐11'07 1.71271 AU	minimum elong		9385 Sep 24 16:35	11°♊22'13 6°16'33	
			morning rise		9385 Sep 29 16:40	8°♊18'44	
superior conj	9383 May 01 17:19	15°♐08'30 -1°26'28	direct		9385 Oct 16 11:22	3°♊00'01	
minimum elong	9383 May 01 13:09	14°♐55'22 1°26'39	greatest brilliancy		9385 Oct 26 03:11	4°♊41'40 -4.7m	
	9383 May 13 12:54	0°♑			9385 Dec 01 04:37	0°♋	
	9383 Jun 06 10:07	0°☾	morning max el		9385 Dec 04 04:57	2°♋51'42 45°41'53	
evening rise	9383 Jun 11 06:09	6°☾03'38	asc. node		9385 Dec 18 06:53	17°♋01'28	
	9383 Jun 30 09:48	0°♒			9385 Dec 30 09:17	0°♌	
asc. node	9383 Jul 03 08:18	3°♒39'42			9386 Jan 25 19:52	0°☾	
	9383 Jul 24 13:37	0°♓			9386 Feb 20 02:40	0°♌	

	9386 Mar 16 18:44	0° H		evening max el	9388 Sep 24 12:45	26° M 36'53	45°48'06
desc. node	9386 Apr 09 00:19	28° H 40'19			9388 Sep 28 01:59	0° A	
	9386 Apr 10 02:00	0° Y		greatest brilliancy	9388 Nov 02 14:43	25° A 01'41	-4.7m
	9386 May 04 03:44	0° B		retrograde	9388 Nov 12 11:48	26° A 48'18	
	9386 May 28 02:29	0° II		evening set	9388 Nov 30 08:27	20° A 48'59	
morning set	9386 Jun 06 03:06	11° II 19'20		inferior conj	9388 Dec 03 23:13	18° A 34'56	-7°59'12
	9386 Jun 21 00:39	0° E		minimum elong	9388 Dec 04 06:34	18° A 23'25	7°58'04
	9386 Jul 15 00:08	0° O		min. Earth dist.	9388 Dec 04 11:33	18° A 15'35	0.28977 AU
				morning rise	9388 Dec 08 04:29	15° A 58'41	
superior conj	9386 Jul 15 17:41	0° O 54'46	-0°35'46	direct	9388 Dec 25 10:14	10° A 17'04	
minimum elong	9386 Jul 16 01:52	1° O 20'21	0°35'41	greatest brilliancy	9389 Jan 05 09:30	12° A 28'36	-4.8m
max. Earth dist.	9386 Jul 19 00:25	5° O 00'27	1.71937 AU	asc. node	9389 Jan 14 18:16	17° A 12'05	
asc. node	9386 Jul 30 20:29	19° O 45'38			9389 Jan 31 14:13	0° B	
	9386 Aug 08 02:04	0° M		morning max el	9389 Feb 13 01:57	11° B 42'06	46°12'34
evening rise	9386 Aug 23 12:15	19° M 08'05			9389 Mar 02 14:53	0° \approx	
	9386 Sep 01 07:00	0° A			9389 Mar 29 03:03	0° H	
	9386 Sep 25 15:37	0° M			9389 Apr 23 08:49	0° Y	
	9386 Oct 20 05:19	0° A		desc. node	9389 May 06 12:58	15° Y 59'15	
	9386 Nov 14 02:08	0° B			9389 May 17 23:40	0° B	
desc. node	9386 Nov 19 14:59	6° B 37'02			9389 Jun 11 06:48	0° II	
	9386 Dec 09 08:29	0° \approx			9389 Jul 05 10:44	0° E	
	9387 Jan 04 04:16	0° H			9389 Jul 29 14:22	0° O	
	9387 Jan 31 00:39	0° Y		morning set	9389 Aug 17 23:24	24° O 01'45	
evening max el	9387 Feb 18 16:41	19° Y 27'05	46°35'17		9389 Aug 22 19:02	0° M	
	9387 Mar 01 18:46	0° B		asc. node	9389 Aug 27 08:53	5° M 40'10	
asc. node	9387 Mar 12 14:43	9° B 06'07			9389 Sep 16 00:51	0° A	
greatest brilliancy	9387 Mar 31 03:18	19° B 57'16	-4.9m				
retrograde	9387 Apr 09 19:49	21° B 43'44		superior conj	9389 Sep 24 19:41	10° A 51'37	1°01'50
evening set	9387 Apr 27 14:14	15° B 42'44		minimum elong	9389 Sep 24 10:01	10° A 21'44	1°01'31
inferior conj	9387 Apr 30 12:01	13° B 56'11	9°02'55	max. Earth dist.	9389 Sep 26 04:31	12° A 33'01	1.73034 AU
minimum elong	9387 Apr 30 07:36	14° B 03'00	9°02'26		9389 Oct 10 07:42	0° M	
min. Earth dist.	9387 Apr 30 10:27	13° B 58'36	0.27131 AU	evening rise	9389 Oct 31 09:40	25° M 59'12	
morning rise	9387 May 03 00:56	12° B 22'50			9389 Nov 03 15:57	0° A	
direct	9387 May 21 03:37	6° B 07'27			9389 Nov 28 02:29	0° B	
greatest brilliancy	9387 May 30 19:44	7° B 53'01	-4.9m	desc. node	9389 Dec 17 02:39	23° B 13'55	
	9387 Jul 01 12:18	0° II			9389 Dec 22 15:51	0° \approx	
desc. node	9387 Jul 02 11:02	0° II 52'59			9390 Jan 16 08:06	0° H	
morning max el	9387 Jul 10 10:48	8° II 37'41	46°46'50		9390 Feb 10 03:42	0° Y	
	9387 Jul 30 18:23	0° E			9390 Mar 07 05:42	0° B	
	9387 Aug 26 08:47	0° O			9390 Apr 01 23:18	0° II	
	9387 Sep 21 00:55	0° M		asc. node	9390 Apr 09 01:36	8° II 01'09	
	9387 Oct 16 05:40	0° A			9390 Apr 29 10:16	0° E	
asc. node	9387 Oct 23 08:17	8° A 32'26		evening max el	9390 May 02 16:32	3° E 19'11	46°56'41
	9387 Nov 10 02:24	0° M			9390 Jun 03 08:56	0° O	
	9387 Dec 04 16:45	0° A		greatest brilliancy	9390 Jun 11 21:04	4° O 09'27	-4.9m
	9387 Dec 29 02:22	0° B		retrograde	9390 Jun 22 04:33	6° O 09'41	
morning set	9388 Jan 06 10:57	10° B 19'02		evening set	9390 Jul 07 16:36	1° O 25'57	
	9388 Jan 22 08:42	0° \approx			9390 Jul 10 03:46	30° R E	
max. Earth dist.	9388 Feb 10 14:50	23° \approx 54'03	1.72282 AU	inferior conj	9390 Jul 13 00:52	28° E 14'46	4°10'10
desc. node	9388 Feb 12 01:00	25° \approx 40'15		minimum elong	9390 Jul 13 09:38	28° E 01'20	4°07'22
				min. Earth dist.	9390 Jul 12 23:24	28° E 17'02	0.27315 AU
superior conj	9388 Feb 13 15:25	27° \approx 39'45	-0°03'55	morning rise	9390 Jul 19 03:01	24° E 39'58	
minimum elong	9388 Feb 13 14:31	27° \approx 36'55	0°03'41	desc. node	9390 Jul 29 22:19	20° E 43'57	
behind sun begin	9388 Feb 12 14:30	26° \approx 22'16		direct	9390 Aug 02 20:04	20° E 25'26	
behind sun end	9388 Feb 14 14:31	28° \approx 51'35		greatest brilliancy	9390 Aug 12 17:01	22° E 13'50	-4.8m
	9388 Feb 15 12:31	0° H			9390 Aug 27 05:47	0° O	
	9388 Mar 10 14:01	0° Y		morning max el	9390 Sep 21 04:48	21° O 12'20	46°01'38
evening rise	9388 Mar 24 01:05	16° Y 49'49			9390 Sep 30 01:20	0° M	
	9388 Apr 03 13:36	0° B			9390 Oct 28 00:26	0° A	
	9388 Apr 27 12:39	0° II		asc. node	9390 Nov 19 20:51	26° A 02'45	
	9388 May 21 13:34	0° E			9390 Nov 23 06:27	0° M	
asc. node	9388 Jun 03 22:24	16° E 34'55			9390 Dec 18 15:09	0° A	
	9388 Jun 14 19:26	0° O			9391 Jan 12 10:43	0° B	
	9388 Jul 09 09:57	0° M			9391 Feb 05 21:55	0° \approx	
	9388 Aug 03 15:01	0° A			9391 Mar 02 03:29	0° H	
	9388 Aug 29 23:29	0° M		desc. node	9391 Mar 11 13:36	11° H 43'37	
desc. node	9388 Sep 23 18:31	25° M 52'41		morning set	9391 Mar 19 14:04	21° H 43'52	

	9391 Mar 26 04:53	0° Υ		min. Earth dist.	9393 Sep 21 23:53	9° Ω 22'50	0.28582 AU
	9391 Apr 19 03:11	0° \mathcal{B}		inferior conj	9393 Sep 22 18:21	8° Ω 53'56	-6°04'24
max. Earth dist.	9391 Apr 28 07:18	11° \mathcal{B} 31'26	1.71279 AU	minimum elong	9393 Sep 22 08:15	9° Ω 09'44	6°02'11
				morning rise	9393 Sep 27 10:59	6° Ω 02'14	
superior conj	9391 Apr 29 04:19	12° \mathcal{B} 37'26	-1°25'42	direct	9393 Oct 14 02:12	0° Ω 48'21	
minimum elong	9391 Apr 28 23:07	12° \mathcal{B} 21'08	1°25'50	greatest brilliancy	9393 Oct 23 18:19	2° Ω 29'45	-4.7m
	9391 May 12 23:57	0° Π			9393 Dec 01 03:46	0° \mathcal{M}	
	9391 Jun 05 21:12	0° \mathcal{E}		morning max el	9393 Dec 01 18:43	0° \mathcal{M} 35'48	45°41'46
evening rise	9391 Jun 08 17:07	3° \mathcal{E} 32'52		asc. node	9393 Dec 17 08:43	16° \mathcal{M} 19'24	
	9391 Jun 29 20:58	0° Ω			9393 Dec 30 01:03	0° \mathcal{X}	
asc. node	9391 Jul 02 10:13	3° Ω 10'48			9394 Jan 25 09:12	0° \mathcal{Z}	
	9391 Jul 24 00:55	0° \mathcal{M}			9394 Feb 19 14:53	0° \approx	
	9391 Aug 17 10:46	0° Ω			9394 Mar 16 06:24	0° \mathcal{H}	
	9391 Sep 11 05:22	0° \mathcal{M}		desc. node	9394 Apr 08 02:22	28° \mathcal{H} 11'21	
	9391 Oct 06 13:52	0° \mathcal{X}			9394 Apr 09 13:23	0° Υ	
desc. node	9391 Oct 22 05:38	18° \mathcal{X} 00'44			9394 May 03 14:57	0° \mathcal{B}	
	9391 Nov 01 21:59	0° \mathcal{Z}			9394 May 27 13:35	0° Π	
	9391 Nov 30 05:52	0° \approx		morning set	9394 Jun 03 14:37	8° Π 50'16	
evening max el	9391 Dec 06 00:54	5° \approx 40'01	45°53'03		9394 Jun 20 11:38	0° \mathcal{E}	
	9392 Jan 05 09:36	0° \mathcal{H}					
greatest brilliancy	9392 Jan 14 06:11	4° \mathcal{H} 05'33	-4.8m	superior conj	9394 Jul 13 06:38	28° \mathcal{E} 31'25	-0°39'11
retrograde	9392 Jan 23 23:48	5° \mathcal{H} 49'10		minimum elong	9394 Jul 13 15:28	28° \mathcal{E} 59'00	0°39'03
evening set	9392 Feb 07 14:09	1° \mathcal{H} 39'30			9394 Jul 14 11:01	0° Ω	
	9392 Feb 10 12:07	30° \mathcal{R} \approx		max. Earth dist.	9394 Jul 16 11:23	2° Ω 30'59	1.71890 AU
asc. node	9392 Feb 12 05:36	28° \approx 57'13		asc. node	9394 Jul 29 22:21	19° Ω 17'35	
inferior conj	9392 Feb 13 21:14	27° \approx 56'00	0°25'08		9394 Aug 07 12:55	0° \mathcal{M}	
minimum elong	9392 Feb 13 20:15	27° \approx 57'30	0°25'00	evening rise	9394 Aug 21 03:35	16° \mathcal{M} 53'15	
min. Earth dist.	9392 Feb 14 06:55	27° \approx 40'58	0.27584 AU		9394 Aug 31 17:53	0° Ω	
morning rise	9392 Feb 20 01:52	24° \approx 15'05			9394 Sep 25 02:39	0° \mathcal{M}	
direct	9392 Mar 05 21:53	19° \approx 55'34			9394 Oct 19 16:38	0° \mathcal{X}	
greatest brilliancy	9392 Mar 16 12:31	22° \approx 02'20	-4.9m		9394 Nov 13 13:57	0° \mathcal{Z}	
	9392 Mar 30 15:48	0° \mathcal{H}		desc. node	9394 Nov 18 16:58	6° \mathcal{Z} 07'14	
morning max el	9392 Apr 25 08:22	22° \mathcal{H} 42'15	46°54'02		9394 Dec 08 21:12	0° \approx	
	9392 May 02 10:30	0° Υ			9395 Jan 03 18:38	0° \mathcal{H}	
	9392 May 29 12:59	0° \mathcal{B}			9395 Jan 30 18:32	0° Υ	
desc. node	9392 Jun 03 01:19	5° \mathcal{B} 12'47		evening max el	9395 Feb 16 05:10	17° Υ 02'14	46°33'49
	9392 Jun 24 02:07	0° Π			9395 Mar 02 00:40	0° \mathcal{B}	
	9392 Jul 19 00:08	0° \mathcal{E}		asc. node	9395 Mar 11 16:43	7° \mathcal{B} 51'34	
	9392 Aug 12 15:57	0° Ω		greatest brilliancy	9395 Mar 28 16:01	17° \mathcal{B} 31'42	-4.9m
	9392 Sep 06 05:15	0° \mathcal{M}		retrograde	9395 Apr 07 08:34	19° \mathcal{B} 18'34	
asc. node	9392 Sep 23 21:38	21° \mathcal{M} 39'29		evening set	9395 Apr 24 23:24	13° \mathcal{B} 22'47	
	9392 Sep 30 16:54	0° Ω		inferior conj	9395 Apr 28 00:57	11° \mathcal{B} 30'50	8°57'36
	9392 Oct 25 02:49	0° \mathcal{M}		minimum elong	9395 Apr 27 19:37	11° \mathcal{B} 39'02	8°57'00
morning set	9392 Oct 26 12:51	1° \mathcal{M} 44'42		min. Earth dist.	9395 Apr 27 23:12	11° \mathcal{B} 33'32	0.27137 AU
	9392 Nov 18 11:13	0° \mathcal{X}		morning rise	9395 Apr 30 15:50	9° \mathcal{B} 54'39	
max. Earth dist.	9392 Dec 01 11:05	16° \mathcal{X} 01'49	1.73196 AU	direct	9395 May 18 16:14	3° \mathcal{B} 41'34	
				greatest brilliancy	9395 May 28 09:19	5° \mathcal{B} 28'06	-4.9m
superior conj	9392 Dec 02 02:19	16° \mathcal{X} 48'46	1°20'05	desc. node	9395 Jul 01 12:56	29° \mathcal{B} 55'03	
minimum elong	9392 Dec 02 08:52	17° \mathcal{X} 08'59	1°20'16		9395 Jul 01 15:01	0° Π	
	9392 Dec 12 18:46	0° \mathcal{Z}		morning max el	9395 Jul 08 00:27	6° Π 14'25	46°48'07
	9393 Jan 06 02:01	0° \approx			9395 Jul 30 11:45	0° \mathcal{E}	
evening rise	9393 Jan 08 13:00	3° \approx 02'06			9395 Aug 25 23:01	0° Ω	
desc. node	9393 Jan 13 14:38	9° \approx 17'37			9395 Sep 20 13:36	0° \mathcal{M}	
	9393 Jan 30 08:55	0° \mathcal{H}			9395 Oct 15 17:26	0° Ω	
	9393 Feb 23 15:11	0° Υ		asc. node	9395 Oct 22 10:18	8° Ω 03'41	
	9393 Mar 19 21:23	0° \mathcal{B}			9395 Nov 09 13:37	0° \mathcal{M}	
	9393 Apr 13 05:52	0° Π			9395 Dec 04 03:38	0° \mathcal{X}	
asc. node	9393 May 06 12:51	28° Π 22'09			9395 Dec 28 13:05	0° \mathcal{Z}	
	9393 May 07 21:17	0° \mathcal{E}		morning set	9396 Jan 04 03:26	8° \mathcal{Z} 08'37	
	9393 Jun 02 03:47	0° Ω			9396 Jan 21 19:22	0° \approx	
	9393 Jun 28 18:36	0° \mathcal{M}		max. Earth dist.	9396 Feb 08 09:01	21° \approx 48'11	1.72321 AU
evening max el	9393 Jul 13 11:20	15° \mathcal{M} 17'51	46°26'02				
	9393 Jul 29 07:57	0° Ω		superior conj	9396 Feb 11 05:37	25° \approx 21'23	-0°00'16
greatest brilliancy	9393 Aug 21 06:37	14° Ω 53'15	-4.8m	minimum elong	9396 Feb 11 05:34	25° \approx 21'17	0°00'04
desc. node	9393 Aug 26 09:34	16° Ω 27'31		behind sun begin	9396 Feb 10 06:03	24° \approx 08'06	
retrograde	9393 Sep 01 08:25	17° Ω 07'57		behind sun end	9396 Feb 12 05:06	26° \approx 34'28	
evening set	9393 Sep 17 05:59	12° Ω 14'59		desc. node	9396 Feb 11 03:01	25° \approx 13'17	

	9396 Feb 14 23:12	0° H			9398 Aug 28 01:07	0° Ω	
	9396 Mar 10 00:46	0° Y		morning max el	9398 Sep 18 19:34	18° Ω 57'07	46°02'51
evening rise	9396 Mar 21 14:07	14° Y 26'43			9398 Sep 29 20:44	0° M	
	9396 Apr 03 00:28	0° B			9398 Oct 27 15:05	0° Ω	
	9396 Apr 26 23:41	0° II		asc. node	9398 Nov 18 22:42	25° Ω 30'46	
	9396 May 21 00:52	0° E			9398 Nov 22 19:07	0° M	
asc. node	9396 Jun 03 00:17	16° E 05'13			9398 Dec 18 02:49	0° A	
	9396 Jun 14 07:07	0° Ω			9399 Jan 11 21:51	0° B	
	9396 Jul 08 22:16	0° M			9399 Feb 05 08:47	0° \approx	
	9396 Aug 03 04:29	0° Ω			9399 Mar 01 14:13	0° H	
	9396 Aug 29 15:29	0° M		desc. node	9399 Mar 10 15:35	11° H 16'27	
evening max el	9396 Sep 22 04:17	24° M 25'23	45°48'58	morning set	9399 Mar 17 01:59	19° H 17'56	
desc. node	9396 Sep 22 20:38	25° M 04'50			9399 Mar 25 15:33	0° Y	
	9396 Sep 28 02:02	0° A			9399 Apr 18 13:50	0° B	
greatest brilliancy	9396 Oct 31 04:46	22° A 50'14	-4.7m	max. Earth dist.	9399 Apr 25 13:01	8° B 45'06	1.71285 AU
retrograde	9396 Nov 10 04:11	24° A 38'36					
evening set	9396 Nov 28 02:28	18° A 35'32		superior conj	9399 Apr 26 15:39	10° B 08'47	-1°24'46
inferior conj	9396 Dec 01 15:14	16° A 24'26	-8°06'37	minimum elong	9399 Apr 26 09:30	9° B 49'27	1°24'52
minimum elong	9396 Dec 01 22:02	16° A 13'46	8°05'35		9399 May 12 10:35	0° II	
min. Earth dist.	9396 Dec 02 02:15	16° A 07'10	0.29007 AU		9399 Jun 05 07:52	0° E	
morning rise	9396 Dec 05 17:28	13° A 52'53		evening rise	9399 Jun 06 04:21	1° E 04'13	
direct	9396 Dec 23 02:48	8° A 06'25			9399 Jun 29 07:41	0° Ω	
greatest brilliancy	9397 Jan 03 00:36	10° A 16'57	-4.8m	asc. node	9399 Jul 01 12:07	2° Ω 43'18	
asc. node	9397 Jan 13 20:15	15° A 54'26			9399 Jul 23 11:46	0° M	
	9397 Jan 31 17:36	0° B			9399 Aug 16 21:56	0° Ω	
morning max el	9397 Feb 10 18:33	9° B 31'04	46°11'05		9399 Sep 10 17:06	0° M	
	9397 Mar 02 07:44	0° \approx			9399 Oct 06 02:42	0° A	
	9397 Mar 28 16:55	0° H		desc. node	9399 Oct 21 07:35	17° A 26'54	
	9397 Apr 22 21:20	0° Y			9399 Nov 01 13:02	0° B	
desc. node	9397 May 05 14:57	15° Y 28'29			9399 Nov 30 02:46	0° \approx	
	9397 May 17 11:27	0° B		evening max el	9399 Dec 03 15:12	3° \approx 24'55	45°52'02
	9397 Jun 10 18:08	0° II			9400 Jan 07 09:02	0° H	
	9397 Jul 04 21:46	0° E		greatest brilliancy	9400 Jan 11 21:04	1° H 49'11	-4.8m
	9397 Jul 29 01:12	0° Ω		retrograde	9400 Jan 21 12:59	3° H 31'25	
morning set	9397 Aug 15 14:30	21° Ω 46'37			9400 Feb 03 22:50	30° R \approx	
	9397 Aug 22 05:43	0° M		evening set	9400 Feb 05 05:01	29° \approx 20'41	
asc. node	9397 Aug 26 10:55	5° M 13'27		inferior conj	9400 Feb 11 11:27	25° \approx 38'02	0°02'24
	9397 Sep 15 11:25	0° Ω		minimum elong	9400 Feb 11 11:21	25° \approx 38'11	0°02'35
				transit middle	9400 Feb 11 11:21	25° \approx 38'11	0°02'35
superior conj	9397 Sep 22 12:10	8° Ω 41'36	0°59'26	transit begin	9400 Feb 11 07:20	25° \approx 44'24	
minimum elong	9397 Sep 22 02:29	8° Ω 11'41	0°59'06	transit end	9400 Feb 11 15:21	25° \approx 31'57	
max. Earth dist.	9397 Sep 24 00:18	10° Ω 33'16	1.73009 AU	asc. node	9400 Feb 11 07:39	25° \approx 43'55	
	9397 Oct 09 18:12	0° M		min. Earth dist.	9400 Feb 11 22:20	25° \approx 21'07	0.27624 AU
evening rise	9397 Oct 29 02:50	23° M 51'52		morning rise	9400 Feb 17 17:04	21° \approx 55'12	
	9397 Nov 03 02:31	0° A		direct	9400 Mar 04 12:06	17° \approx 36'52	
	9397 Nov 27 13:14	0° B		greatest brilliancy	9400 Mar 15 04:28	19° \approx 44'37	-4.9m
desc. node	9397 Dec 16 04:31	22° B 46'04			9400 Apr 01 09:28	0° H	
	9397 Dec 22 02:56	0° \approx		morning max el	9400 Apr 23 21:36	20° H 19'19	46°53'10
	9398 Jan 15 19:41	0° H			9400 May 03 05:55	0° Y	
	9398 Feb 09 16:00	0° Y			9400 May 30 03:57	0° B	
	9398 Mar 06 19:08	0° B		desc. node	9400 Jun 03 03:08	4° B 35'50	
	9398 Apr 01 14:56	0° II			9400 Jun 24 15:12	0° II	
asc. node	9398 Apr 08 03:41	7° II 20'45			9400 Jul 19 12:11	0° E	
	9398 Apr 29 07:36	0° E			9400 Aug 13 03:20	0° Ω	
evening max el	9398 Apr 30 07:34	1° E 00'35	46°56'57		9400 Sep 06 16:10	0° M	
	9398 Jun 05 06:29	0° Ω		asc. node	9400 Sep 23 23:34	21° M 12'37	
greatest brilliancy	9398 Jun 09 11:42	1° Ω 49'03	-4.9m		9400 Oct 01 03:31	0° Ω	
retrograde	9398 Jun 19 19:02	3° Ω 48'35		morning set	9400 Oct 25 06:00	29° Ω 37'35	
	9398 Jul 03 14:02	30° R E			9400 Oct 25 13:17	0° M	
evening set	9398 Jul 05 09:12	29° E 01'24			9400 Nov 18 21:38	0° A	
inferior conj	9398 Jul 10 14:30	25° E 54'04	4°30'57	max. Earth dist.	9400 Nov 30 03:48	13° A 53'11	1.73211 AU
minimum elong	9398 Jul 10 23:48	25° E 39'47	4°28'02				
min. Earth dist.	9398 Jul 10 13:21	25° E 55'49	0.27295 AU	superior conj	9400 Nov 30 19:38	14° A 42'01	1°21'14
morning rise	9398 Jul 16 14:48	22° E 21'51		minimum elong	9400 Dec 01 01:36	15° A 00'27	1°21'26
desc. node	9398 Jul 29 00:21	18° E 12'12			9400 Dec 13 05:13	0° B	
direct	9398 Jul 31 10:02	18° E 05'14			9401 Jan 06 12:34	0° \approx	
greatest brilliancy	9398 Aug 10 05:46	19° E 52'50	-4.8m	evening rise	9401 Jan 07 04:38	0° \approx 49'33	

desc. node	9401 Jan 13 16:35	8° \approx 50'53			9403 Jul 31 04:33	0° \ominus		
	9401 Jan 30 19:39	0° H			9403 Aug 26 12:56	0° Ω		
	9401 Feb 24 02:12	0° Υ			9403 Sep 21 02:04	0° M		
	9401 Mar 20 08:47	0° B			9403 Oct 16 05:03	0° $\underline{\text{A}}$		
	9401 Apr 13 17:47	0° II		asc. node	9403 Oct 22 12:09	7° $\underline{\text{A}}$ 34'49		
asc. node	9401 May 06 14:43	27° II 49'32			9403 Nov 10 00:41	0° M		
	9401 May 08 10:02	0° \ominus			9403 Dec 04 14:24	0° X		
	9401 Jun 02 18:03	0° Ω			9403 Dec 28 23:43	0° Z		
	9401 Jun 29 12:22	0° M		morning set	9404 Jan 02 20:03	5° Z 58'54		
evening max el	9401 Jul 12 01:29	12° M 59'46 46°27'38			9404 Jan 22 05:59	0° \approx		
	9401 Jul 30 16:06	0° $\underline{\text{A}}$		max. Earth dist.	9404 Feb 07 02:09	19° \approx 39'05 1.72365 AU		
greatest brilliancy	9401 Aug 19 22:52	12° $\underline{\text{A}}$ 41'29 -4.8m						
desc. node	9401 Aug 26 11:38	14° $\underline{\text{A}}$ 32'36		superior conj	9404 Feb 09 19:39	23° \approx 02'35 0°03'24		
retrograde	9401 Aug 30 24:00	14° $\underline{\text{A}}$ 56'13		minimum elong	9404 Feb 09 20:31	23° \approx 05'16 0°03'34		
evening set	9401 Sep 15 19:04	10° $\underline{\text{A}}$ 07'10		behind sun begin	9404 Feb 08 20:36	21° \approx 50'56		
min. Earth dist.	9401 Sep 20 15:42	7° $\underline{\text{A}}$ 11'31 0.28534 AU		behind sun end	9404 Feb 10 20:26	24° \approx 19'36		
inferior conj	9401 Sep 21 10:03	6° $\underline{\text{A}}$ 42'48 -5°49'26		desc. node	9404 Feb 11 05:01	24° \approx 46'17		
minimum elong	9401 Sep 21 00:01	6° $\underline{\text{A}}$ 58'31 5°47'10			9404 Feb 15 09:54	0° H		
morning rise	9401 Sep 26 05:23	3° $\underline{\text{A}}$ 47'14			9404 Mar 10 11:35	0° Υ		
	9401 Oct 04 08:42	30° R M		evening rise	9404 Mar 20 02:48	12° Υ 02'21		
direct	9401 Oct 12 16:49	28° M 37'46			9404 Apr 03 11:25	0° B		
	9401 Oct 21 09:25	0° $\underline{\text{A}}$			9404 Apr 27 10:47	0° II		
greatest brilliancy	9401 Oct 22 09:48	0° $\underline{\text{A}}$ 19'32 -4.7m			9404 May 21 12:11	0° \ominus		
morning max el	9401 Nov 30 09:09	28° $\underline{\text{A}}$ 22'25 45°41'34		asc. node	9404 Jun 03 02:14	15° \ominus 35'41		
	9401 Dec 02 01:35	0° M			9404 Jun 14 18:50	0° Ω		
asc. node	9401 Dec 17 10:42	15° M 39'03			9404 Jul 09 10:38	0° M		
	9401 Dec 30 16:19	0° X			9404 Aug 03 18:05	0° $\underline{\text{A}}$		
	9402 Jan 25 22:13	0° Z			9404 Aug 30 07:47	0° M		
	9402 Feb 20 02:52	0° \approx		evening max el	9404 Sep 20 20:42	22° M 15'58 45°49'49		
	9402 Mar 16 17:49	0° H		desc. node	9404 Sep 22 22:36	24° M 15'44		
desc. node	9402 Apr 08 04:17	27° H 42'46			9404 Sep 29 03:21	0° X		
	9402 Apr 10 00:29	0° Υ		greatest brilliancy	9404 Oct 29 19:07	20° X 39'20 -4.7m		
	9402 May 04 01:52	0° B		retrograde	9404 Nov 08 20:29	22° X 28'58		
	9402 May 28 00:23	0° II		evening set	9404 Nov 26 20:24	16° X 22'48		
morning set	9402 Jun 02 01:59	6° II 21'33		inferior conj	9404 Nov 30 07:21	14° X 14'13 -8°13'10		
	9402 Jun 20 22:19	0° \ominus		minimum elong	9404 Nov 30 13:33	14° X 04'29 8°12'17		
				min. Earth dist.	9404 Nov 30 16:54	13° X 59'14 0.29032 AU		
superior conj	9402 Jul 11 19:35	26° \ominus 08'44 -0°42'30		morning rise	9404 Dec 04 06:38	11° X 47'04		
minimum elong	9402 Jul 12 05:01	26° \ominus 38'10 0°42'23		direct	9404 Dec 21 19:38	5° X 56'19		
	9402 Jul 14 21:39	0° Ω		greatest brilliancy	9405 Jan 01 15:10	8° X 04'57 -4.8m		
max. Earth dist.	9402 Jul 14 20:20	29° \ominus 55'53 1.71847 AU		asc. node	9405 Jan 13 22:18	14° X 39'22		
asc. node	9402 Jul 30 00:24	18° Ω 50'54			9405 Feb 01 19:26	0° Z		
	9402 Aug 07 23:31	0° M		morning max el	9405 Feb 09 10:41	7° Z 18'54 46°09'24		
evening rise	9402 Aug 19 18:59	14° M 39'25			9405 Mar 03 00:22	0° \approx		
	9402 Sep 01 04:31	0° $\underline{\text{A}}$			9405 Mar 29 06:49	0° H		
	9402 Sep 25 13:24	0° M			9405 Apr 23 10:00	0° Υ		
	9402 Oct 20 03:42	0° X		desc. node	9405 May 05 16:49	14° Υ 56'44		
	9402 Nov 14 01:35	0° Z			9405 May 17 23:25	0° B		
desc. node	9402 Nov 18 18:52	5° Z 37'45			9405 Jun 11 05:39	0° II		
	9402 Dec 09 09:50	0° \approx			9405 Jul 05 08:58	0° \ominus		
	9403 Jan 04 09:04	0° H			9405 Jul 29 12:11	0° Ω		
	9403 Jan 31 12:51	0° Υ		morning set	9405 Aug 14 05:33	19° Ω 30'54		
evening max el	9403 Feb 14 18:41	14° Υ 40'15 46°32'24			9405 Aug 22 16:31	0° M		
	9403 Mar 03 08:55	0° B		asc. node	9405 Aug 26 12:49	4° M 45'56		
asc. node	9403 Mar 11 18:45	6° B 34'46			9405 Sep 15 22:07	0° $\underline{\text{A}}$		
greatest brilliancy	9403 Mar 27 04:08	15° B 05'33 -4.9m						
retrograde	9403 Apr 05 21:46	16° B 53'24		superior conj	9405 Sep 21 04:41	6° $\underline{\text{A}}$ 31'16 0°56'57		
evening set	9403 Apr 23 08:09	11° B 03'12		minimum elong	9405 Sep 20 19:04	6° $\underline{\text{A}}$ 01'32 0°56'36		
inferior conj	9403 Apr 26 13:45	9° B 05'25 8°51'13		max. Earth dist.	9405 Sep 22 20:43	8° $\underline{\text{A}}$ 34'58 1.72982 AU		
minimum elong	9403 Apr 26 07:35	9° B 14'54 8°50'29			9405 Oct 10 04:53	0° M		
min. Earth dist.	9403 Apr 26 11:30	9° B 08'53 0.27139 AU		evening rise	9405 Oct 27 20:12	21° M 44'30		
morning rise	9403 Apr 29 07:00	7° B 25'53			9405 Nov 03 13:17	0° X		
direct	9403 May 17 05:16	1° B 15'52			9405 Nov 28 00:11	0° Z		
greatest brilliancy	9403 May 26 22:12	3° B 02'45 -4.9m		desc. node	9405 Dec 16 06:34	22° Z 18'16		
desc. node	9403 Jul 01 15:00	28° B 59'19			9405 Dec 22 14:13	0° \approx		
	9403 Jul 02 16:05	0° II			9406 Jan 16 07:28	0° H		
morning max el	9403 Jul 06 14:53	3° II 53'41 46°49'19			9406 Feb 10 04:32	0° Υ		

	9406 Mar 07 08:57	0°♄		9408 Aug 12 15:08	0°♌	
	9406 Apr 02 07:12	0°♊		9408 Sep 06 03:31	0°♎	
asc. node	9406 Apr 08 05:31	6°♊38'05	asc. node	9408 Sep 23 01:28	20°♎44'15	
evening max el	9406 Apr 28 22:11	28°♊39'26 46°56'56		9408 Sep 30 14:34	0°♌	
	9406 Apr 30 06:19	0°♌	morning set	9408 Oct 22 22:57	27°♌28'35	
greatest brilliancy	9406 Jun 08 02:51	29°♌27'23 -4.9m		9408 Oct 25 00:09	0°♍	
	9406 Jun 09 16:59	0°♌		9408 Nov 18 08:25	0°♎	
retrograde	9406 Jun 18 08:51	1°♌25'14	max. Earth dist.	9408 Nov 27 21:58	11°♎47'58 1.73225 AU	
	9406 Jun 26 16:44	30°♌♌				
evening set	9406 Jul 04 01:43	26°♌34'42	superior conj	9408 Nov 28 12:57	12°♎34'10 1°22'15	
inferior conj	9406 Jul 09 03:55	23°♌31'30 4°51'21	minimum elong	9408 Nov 28 18:20	12°♎50'47 1°22'29	
minimum elong	9406 Jul 09 13:41	23°♌16'27 4°48'23		9408 Dec 12 16:01	0°♏	
min. Earth dist.	9406 Jul 09 03:26	23°♌32'13 0.27271 AU	evening rise	9409 Jan 04 20:29	28°♏36'40	
morning rise	9406 Jul 15 02:02	20°♌01'58		9409 Jan 05 23:30	0°♏	
desc. node	9406 Jul 29 02:22	15°♌44'07	desc. node	9409 Jan 12 18:36	8°♏23'11	
direct	9406 Jul 29 23:24	15°♌43'12		9409 Jan 30 06:47	0°♐	
greatest brilliancy	9406 Aug 08 18:39	17°♌30'15 -4.8m		9409 Feb 23 13:36	0°♑	
	9406 Aug 29 16:04	0°♌		9409 Mar 19 20:32	0°♒	
morning max el	9406 Sep 17 09:12	16°♌38'00 46°04'15		9409 Apr 13 06:04	0°♊	
	9406 Sep 30 15:54	0°♎	asc. node	9409 May 05 16:44	27°♊16'23	
	9406 Oct 28 05:48	0°♌		9409 May 07 23:10	0°♌	
asc. node	9406 Nov 19 00:38	24°♌58'24		9409 Jun 02 08:50	0°♌	
	9406 Nov 23 07:57	0°♍		9409 Jun 29 07:04	0°♎	
	9406 Dec 18 14:42	0°♎	evening max el	9409 Jul 09 15:48	10°♎40'42 46°29'04	
	9407 Jan 12 09:14	0°♏		9409 Jul 31 04:06	0°♌	
	9407 Feb 05 19:54	0°♏	greatest brilliancy	9409 Aug 17 14:29	10°♌26'59 -4.8m	
	9407 Mar 02 01:12	0°♐	desc. node	9409 Aug 25 13:34	12°♌31'13	
desc. node	9407 Mar 10 17:30	10°♐48'17	retrograde	9409 Aug 28 15:47	12°♌42'27	
morning set	9407 Mar 15 14:15	16°♐52'17	evening set	9409 Sep 13 08:03	7°♌56'54	
	9407 Mar 26 02:29	0°♑	min. Earth dist.	9409 Sep 18 07:12	4°♌58'09 0.28486 AU	
	9407 Apr 19 00:46	0°♒	inferior conj	9409 Sep 19 01:33	4°♌29'31 -5°33'49	
max. Earth dist.	9407 Apr 23 16:57	5°♒52'15 1.71303 AU	minimum elong	9409 Sep 18 15:37	4°♌45'02 5°31'29	
			morning rise	9409 Sep 23 23:35	1°♌30'19	
superior conj	9407 Apr 25 03:03	7°♒39'23 -1°23'38		9409 Sep 26 18:09	30°♌♎	
minimum elong	9407 Apr 24 20:01	7°♒17'16 1°23'44	direct	9409 Oct 10 07:22	26°♎24'58	
	9407 May 12 21:35	0°♊	greatest brilliancy	9409 Oct 20 01:06	28°♎07'21 -4.7m	
evening rise	9407 Jun 04 15:12	28°♊33'03		9409 Oct 24 17:03	0°♌	
	9407 Jun 05 18:56	0°♌	morning max el	9409 Nov 28 00:19	26°♌09'38 45°41'33	
	9407 Jun 29 18:50	0°♌		9409 Dec 01 23:03	0°♍	
asc. node	9407 Jul 01 14:09	2°♌14'53	asc. node	9409 Dec 16 12:48	14°♍58'23	
	9407 Jul 23 23:04	0°♎		9409 Dec 30 07:43	0°♎	
	9407 Aug 17 09:31	0°♌		9410 Jan 25 11:28	0°♏	
	9407 Sep 11 05:17	0°♍		9410 Feb 19 15:05	0°♏	
	9407 Oct 06 16:00	0°♎		9410 Mar 16 05:31	0°♐	
desc. node	9407 Oct 21 09:29	16°♎51'39	desc. node	9410 Apr 07 06:09	27°♐13'07	
	9407 Nov 02 04:41	0°♏		9410 Apr 09 11:53	0°♑	
	9407 Dec 01 00:51	0°♏		9410 May 03 13:04	0°♒	
evening max el	9407 Dec 02 04:57	1°♏07'37 45°51'07		9410 May 27 11:26	0°♊	
greatest brilliancy	9408 Jan 10 12:04	29°♏32'25 -4.8m	morning set	9410 May 30 13:42	3°♊53'02	
	9408 Jan 11 23:03	0°♐		9410 Jun 20 09:16	0°♌	
retrograde	9408 Jan 20 02:22	1°♐13'42				
	9408 Jan 27 22:59	30°♐♐	superior conj	9410 Jul 09 08:43	23°♌45'42 -0°45'44	
evening set	9408 Feb 03 20:14	27°♐01'15	minimum elong	9410 Jul 09 18:41	24°♌16'50 0°45'37	
inferior conj	9408 Feb 10 01:53	23°♐19'54 -0°20'05	max. Earth dist.	9410 Jul 12 07:11	27°♌25'53 1.71809 AU	
minimum elong	9408 Feb 10 02:38	23°♐18'44 0°19'37		9410 Jul 14 08:32	0°♌	
min. Earth dist.	9408 Feb 10 14:04	23°♐01'00 0.27665 AU	asc. node	9410 Jul 29 02:18	18°♌22'55	
asc. node	9408 Feb 11 09:37	22°♐30'42		9410 Aug 07 10:25	0°♎	
morning rise	9408 Feb 16 08:18	19°♐35'38	evening rise	9410 Aug 17 10:26	12°♎24'47	
direct	9408 Mar 02 02:22	15°♐17'50		9410 Aug 31 15:29	0°♌	
greatest brilliancy	9408 Mar 12 21:01	17°♐27'21 -4.9m		9410 Sep 25 00:32	0°♍	
	9408 Apr 01 22:52	0°♐		9410 Oct 19 15:08	0°♎	
morning max el	9408 Apr 21 11:09	17°♐56'28 46°52'16		9410 Nov 13 13:36	0°♏	
	9408 May 03 01:04	0°♑	desc. node	9410 Nov 17 20:54	5°♏07'39	
	9408 May 29 19:02	0°♒		9410 Dec 08 22:52	0°♏	
desc. node	9408 Jun 02 05:15	3°♒59'00		9411 Jan 03 23:59	0°♐	
	9408 Jun 24 04:35	0°♊		9411 Jan 31 07:56	0°♑	
	9408 Jul 19 00:36	0°♌	evening max el	9411 Feb 12 09:07	12°♑20'01 46°30'57	

	9411 Mar 03 20:29	0°♄		morning set	9413 Aug 11 20:43	17°♏15'31	
asc. node	9411 Mar 10 20:40	5°♄14'39			9413 Aug 22 03:18	0°♎	
greatest brilliancy	9411 Mar 24 16:03	12°♄38'48	-4.9m	asc. node	9413 Aug 25 14:41	4°♎18'25	
retrograde	9411 Apr 03 11:18	14°♄27'41			9413 Sep 15 08:46	0°♎	
evening set	9411 Apr 20 16:48	8°♄43'35					
inferior conj	9411 Apr 24 02:38	6°♄39'31	8°43'54	superior conj	9413 Sep 18 21:21	4°♎21'30	0°54'24
minimum elong	9411 Apr 23 19:39	6°♄50'14	8°43'00	minimum elong	9413 Sep 18 11:51	3°♎52'07	0°54'01
min. Earth dist.	9411 Apr 23 23:41	6°♄44'03	0.27139 AU	max. Earth dist.	9413 Sep 20 16:56	6°♎36'15	1.72952 AU
morning rise	9411 Apr 26 22:32	4°♄56'07			9413 Oct 09 15:30	0°♎	
	9411 May 07 06:24	30°♋♎		evening rise	9413 Oct 25 13:40	19°♎37'38	
direct	9411 May 14 18:45	28°♎49'56			9413 Nov 02 23:59	0°♎	
	9411 May 22 13:25	0°♄			9413 Nov 27 11:07	0°♄	
greatest brilliancy	9411 May 24 10:46	0°♄36'28	-4.9m	desc. node	9413 Dec 15 08:32	21°♄50'15	
desc. node	9411 Jun 30 16:58	28°♄04'02			9413 Dec 22 01:30	0°♎	
	9411 Jul 02 16:09	0°♎			9414 Jan 15 19:16	0°♋	
morning max el	9411 Jul 04 05:34	1°♎33'07	46°50'30		9414 Feb 09 17:07	0°♎	
	9411 Jul 30 21:10	0°♄			9414 Mar 06 22:50	0°♄	
	9411 Aug 26 02:53	0°♏			9414 Apr 01 23:40	0°♎	
	9411 Sep 20 14:38	0°♎		asc. node	9414 Apr 07 07:35	5°♎55'50	
	9411 Oct 15 16:49	0°♎		evening max el	9414 Apr 26 11:43	26°♎15'45	46°56'50
asc. node	9411 Oct 21 14:07	7°♎05'41			9414 Apr 30 05:57	0°♄	
	9411 Nov 09 11:58	0°♎		greatest brilliancy	9414 Jun 05 18:14	27°♄05'58	-4.9m
	9411 Dec 04 01:23	0°♎		retrograde	9414 Jun 15 21:56	29°♄01'51	
	9411 Dec 28 10:33	0°♄		evening set	9414 Jul 01 18:14	24°♄07'39	
morning set	9411 Dec 31 12:38	3°♄48'34		inferior conj	9414 Jul 06 17:14	21°♄08'55	5°11'20
	9412 Jan 21 16:47	0°♎		minimum elong	9414 Jul 07 03:24	20°♄53'14	5°08'19
max. Earth dist.	9412 Feb 04 17:58	17°♎25'31	1.72405 AU	min. Earth dist.	9414 Jul 06 17:43	21°♄08'10	0.27252 AU
				morning rise	9414 Jul 12 12:53	17°♄42'19	
superior conj	9412 Feb 07 09:47	20°♎43'42	0°07'00	direct	9414 Jul 27 12:13	13°♄20'51	
minimum elong	9412 Feb 07 11:30	20°♎49'02	0°07'08	desc. node	9414 Jul 28 04:17	13°♄21'23	
behind sun begin	9412 Feb 06 13:29	19°♎40'37		greatest brilliancy	9414 Aug 06 08:03	15°♄08'06	-4.8m
behind sun end	9412 Feb 08 09:31	21°♎57'27			9414 Aug 30 03:09	0°♏	
desc. node	9412 Feb 10 06:50	24°♎18'14		morning max el	9414 Sep 14 22:15	14°♏17'30	46°05'51
	9412 Feb 14 20:45	0°♋			9414 Sep 30 10:24	0°♎	
	9412 Mar 09 22:33	0°♎			9414 Oct 27 20:10	0°♎	
evening rise	9412 Mar 17 15:35	9°♎37'55		asc. node	9414 Nov 18 02:42	24°♎27'04	
	9412 Apr 02 22:30	0°♄			9414 Nov 22 20:32	0°♎	
	9412 Apr 26 22:03	0°♎			9414 Dec 18 02:23	0°♎	
	9412 May 20 23:42	0°♄			9415 Jan 11 20:27	0°♄	
asc. node	9412 Jun 02 04:17	15°♄05'57			9415 Feb 05 06:52	0°♎	
	9412 Jun 14 06:43	0°♏			9415 Mar 01 12:03	0°♋	
	9412 Jul 08 23:09	0°♎		desc. node	9415 Mar 09 19:25	10°♋20'28	
	9412 Aug 03 07:50	0°♎		morning set	9415 Mar 13 02:20	14°♋26'29	
	9412 Aug 30 00:26	0°♎			9415 Mar 25 13:16	0°♎	
evening max el	9412 Sep 18 12:59	20°♎05'57	45°50'31		9415 Apr 18 11:33	0°♄	
desc. node	9412 Sep 22 00:31	23°♎25'30		max. Earth dist.	9415 Apr 20 21:01	3°♄00'25	1.71321 AU
	9412 Sep 29 06:11	0°♎					
greatest brilliancy	9412 Oct 27 10:00	18°♎28'49	-4.7m	superior conj	9415 Apr 22 14:16	5°♄10'01	-1°22'22
retrograde	9412 Nov 06 12:22	20°♎19'00		minimum elong	9415 Apr 22 06:24	4°♄45'18	1°22'24
evening set	9412 Nov 24 14:10	14°♎10'20			9415 May 12 08:23	0°♎	
inferior conj	9412 Nov 27 23:31	12°♎03'55	-8°19'02	evening rise	9415 Jun 02 01:58	26°♎02'17	
minimum elong	9412 Nov 28 05:04	11°♎55'11	8°18'17		9415 Jun 05 05:47	0°♄	
min. Earth dist.	9412 Nov 28 07:47	11°♎50'54	0.29055 AU		9415 Jun 29 05:47	0°♏	
morning rise	9412 Dec 01 19:56	9°♎40'52		asc. node	9415 Jun 30 16:02	1°♏46'40	
direct	9412 Dec 19 12:23	3°♎46'11			9415 Jul 23 10:11	0°♎	
greatest brilliancy	9412 Dec 30 05:54	5°♎52'49	-4.8m		9415 Aug 16 20:57	0°♎	
asc. node	9413 Jan 13 00:12	13°♎25'58			9415 Sep 10 17:18	0°♎	
	9413 Feb 01 20:04	0°♄			9415 Oct 06 05:09	0°♎	
morning max el	9413 Feb 07 02:04	5°♄04'42	46°07'46	desc. node	9415 Oct 20 11:36	16°♎17'32	
	9413 Mar 02 16:44	0°♎			9415 Nov 01 20:16	0°♄	
	9413 Mar 28 20:36	0°♋		evening max el	9415 Nov 29 18:24	28°♄50'40	45°50'16
	9413 Apr 22 22:34	0°♎			9415 Nov 30 23:29	0°♎	
desc. node	9413 May 04 18:50	14°♎25'37		greatest brilliancy	9416 Jan 08 02:18	27°♎15'40	-4.8m
	9413 May 17 11:19	0°♄		retrograde	9416 Jan 17 16:04	28°♎56'53	
	9413 Jun 10 17:08	0°♎		evening set	9416 Feb 01 11:32	24°♎42'06	
	9413 Jul 04 20:10	0°♄		inferior conj	9416 Feb 07 16:14	21°♎02'18	-0°42'27
	9413 Jul 28 23:09	0°♏		minimum elong	9416 Feb 07 17:51	20°♎59'48	0°41'44

min. Earth dist.	9416 Feb 08 05:28	20° \approx 41'47	0.27714 AU	asc. node	9418 Jul 28 04:10	17° Ω 55'42	
asc. node	9416 Feb 10 11:33	19° \approx 18'38			9418 Aug 06 21:00	0° Π	
morning rise	9416 Feb 13 23:21	17° \approx 17'06		evening rise	9418 Aug 15 01:25	10° Π 09'36	
direct	9416 Feb 28 16:48	12° \approx 59'11			9418 Aug 31 02:08	0° Ω	
greatest brilliancy	9416 Mar 10 13:34	15° \approx 10'42	-4.8m		9418 Sep 24 11:20	0° Π	
	9416 Apr 02 08:38	0° X			9418 Oct 19 02:16	0° X	
morning max el	9416 Apr 19 01:35	15° X 36'24	46°51'20		9418 Nov 13 01:21	0° Z	
	9416 May 02 19:32	0° Υ		desc. node	9418 Nov 16 22:51	4° Z 38'10	
	9416 May 29 09:44	0° Z			9418 Dec 08 11:39	0° \approx	
desc. node	9416 Jun 01 07:12	3° Z 22'38			9419 Jan 03 14:43	0° X	
	9416 Jun 23 17:36	0° Π			9419 Jan 31 03:06	0° Υ	
	9416 Jul 18 12:40	0° Z		evening max el	9419 Feb 09 23:53	10° Υ 02'00	46°29'28
	9416 Aug 12 02:35	0° Ω			9419 Mar 04 11:15	0° Z	
	9416 Sep 05 14:33	0° Π		asc. node	9419 Mar 09 22:41	3° Z 53'15	
asc. node	9416 Sep 22 03:26	20° Π 17'01		greatest brilliancy	9419 Mar 22 04:00	10° Z 13'28	-4.9m
	9416 Sep 30 01:19	0° Ω		retrograde	9419 Apr 01 00:31	12° Z 02'55	
morning set	9416 Oct 20 15:53	25° Ω 20'21		evening set	9419 Apr 18 01:18	6° Z 25'23	
	9416 Oct 24 10:43	0° Π		inferior conj	9419 Apr 21 15:29	4° Z 14'42	8°35'39
	9416 Nov 17 18:54	0° X		minimum elong	9419 Apr 21 07:47	4° Z 26'33	8°34'35
max. Earth dist.	9416 Nov 25 17:45	9° X 48'41	1.73235 AU	min. Earth dist.	9419 Apr 21 11:55	4° Z 20'11	0.27141 AU
				morning rise	9419 Apr 24 14:17	2° Z 26'56	
superior conj	9416 Nov 26 06:21	10° X 27'33	1°23'09		9419 Apr 28 23:39	30° R Υ	
minimum elong	9416 Nov 26 11:08	10° X 42'16	1°23'24	direct	9419 May 12 08:25	26° Υ 25'11	
	9416 Dec 12 02:30	0° Z		greatest brilliancy	9419 May 21 23:20	28° Υ 11'01	-4.9m
evening rise	9417 Jan 02 12:31	26° Z 25'29			9419 May 26 07:57	0° Z	
	9417 Jan 05 10:05	0° \approx		desc. node	9419 Jun 29 18:52	27° Z 10'19	
desc. node	9417 Jan 11 20:27	7° \approx 56'02		morning max el	9419 Jul 01 19:27	29° Z 11'11	46°51'27
	9417 Jan 29 17:35	0° X			9419 Jul 02 14:54	0° Π	
	9417 Feb 23 00:43	0° Υ			9419 Jul 30 13:17	0° Z	
	9417 Mar 19 08:04	0° Z			9419 Aug 25 16:28	0° Ω	
	9417 Apr 12 18:09	0° Π			9419 Sep 20 02:53	0° Π	
asc. node	9417 May 04 18:45	26° Π 43'41			9419 Oct 15 04:16	0° Ω	
	9417 May 07 12:10	0° Z		asc. node	9419 Oct 20 16:07	6° Ω 37'34	
	9417 Jun 01 23:32	0° Ω			9419 Nov 08 22:55	0° Π	
	9417 Jun 29 01:57	0° Π			9419 Dec 03 12:03	0° X	
evening max el	9417 Jul 07 06:42	8° Π 24'00	46°30'41		9419 Dec 27 21:05	0° Z	
	9417 Jul 31 19:43	0° Ω		morning set	9419 Dec 29 05:13	1° Z 39'05	
greatest brilliancy	9417 Aug 15 05:25	8° Ω 12'27	-4.8m		9420 Jan 21 03:19	0° \approx	
desc. node	9417 Aug 24 15:32	10° Ω 25'51		max. Earth dist.	9420 Feb 02 07:53	15° \approx 07'06	1.72442 AU
retrograde	9417 Aug 26 07:54	10° Ω 29'13					
evening set	9417 Sep 10 21:03	5° Ω 46'53		superior conj	9420 Feb 05 00:11	18° \approx 26'39	0°10'34
min. Earth dist.	9417 Sep 15 22:17	2° Ω 45'32	0.28437 AU	minimum elong	9420 Feb 05 02:44	18° \approx 34'33	0°10'41
inferior conj	9417 Sep 16 16:52	2° Ω 16'37	-5°17'33	behind sun begin	9420 Feb 04 08:23	17° \approx 37'37	
minimum elong	9417 Sep 16 07:07	2° Ω 31'47	5°15'12	behind sun end	9420 Feb 05 21:04	19° \approx 31'29	
	9417 Sep 20 10:02	30° R Π		desc. node	9420 Feb 09 08:48	23° \approx 51'34	
morning rise	9417 Sep 21 17:39	29° Π 13'56			9420 Feb 14 07:19	0° X	
direct	9417 Oct 07 22:15	24° Π 12'37			9420 Mar 09 09:11	0° Υ	
greatest brilliancy	9417 Oct 17 15:51	25° Π 55'17	-4.7m	evening rise	9420 Mar 15 04:38	7° Υ 15'22	
	9417 Oct 26 14:01	0° Ω			9420 Apr 02 09:16	0° Z	
morning max el	9417 Nov 25 16:08	23° Ω 59'26	45°41'37		9420 Apr 26 08:59	0° Π	
	9417 Dec 01 19:23	0° Π			9420 May 20 10:56	0° Z	
asc. node	9417 Dec 15 14:36	14° Π 18'24		asc. node	9420 Jun 01 06:08	14° Z 36'30	
	9417 Dec 29 22:31	0° X			9420 Jun 13 18:22	0° Ω	
	9418 Jan 25 00:13	0° Z			9420 Jul 08 11:31	0° Π	
	9418 Feb 19 02:53	0° \approx			9420 Aug 02 21:32	0° Ω	
	9418 Mar 15 16:49	0° X			9420 Aug 29 17:13	0° Π	
desc. node	9418 Apr 06 08:10	26° X 45'02		evening max el	9420 Sep 16 04:21	17° Π 54'02	45°51'22
	9418 Apr 08 22:56	0° Υ		desc. node	9420 Sep 21 02:37	22° Π 35'15	
	9418 May 02 23:58	0° Z			9420 Sep 29 10:31	0° X	
	9418 May 26 22:12	0° Π		greatest brilliancy	9420 Oct 25 01:23	16° X 19'17	-4.7m
morning set	9418 May 28 00:56	1° Π 23'53		retrograde	9420 Nov 04 03:45	18° X 09'36	
	9418 Jun 19 19:57	0° Z		evening set	9420 Nov 22 07:42	11° X 58'44	
				inferior conj	9420 Nov 25 15:39	9° X 54'14	-8°24'16
superior conj	9418 Jul 06 21:15	21° Z 21'32	-0°48'57	minimum elong	9420 Nov 25 20:31	9° X 46'34	8°23'37
minimum elong	9418 Jul 07 07:41	21° Z 54'09	0°48'49	min. Earth dist.	9420 Nov 25 22:55	9° X 42'48	0.29075 AU
max. Earth dist.	9418 Jul 09 19:19	25° Z 00'37	1.71769 AU	morning rise	9420 Nov 29 09:19	7° X 35'03	
	9418 Jul 13 19:09	0° Ω		direct	9420 Dec 17 04:41	1° X 36'35	

greatest brilliancy	9420 Dec 27 21:01	3° ♁ 41'40	-4.8m		9423 Aug 16 08:22	0° ♁	
asc. node	9421 Jan 12 02:12	12° ♁ 15'19			9423 Sep 10 05:21	0° ♁	
	9421 Feb 01 19:20	0° ♁			9423 Oct 05 18:26	0° ♁	
morning max el	9421 Feb 04 16:31	2° ♁ 48'47	46°06'13	desc. node	9423 Oct 19 13:30	15° ♁ 42'27	
	9421 Mar 02 08:37	0° ♁			9423 Nov 01 12:12	0° ♁	
	9421 Mar 28 10:02	0° ♁		evening max el	9423 Nov 27 08:32	26° ♁ 35'20	45°49'33
	9421 Apr 22 10:50	0° ♁			9423 Nov 30 23:14	0° ♁	
desc. node	9421 May 03 20:46	13° ♁ 55'04		greatest brilliancy	9424 Jan 05 16:10	24° ♁ 58'38	-4.8m
	9421 May 16 22:55	0° ♁		retrograde	9424 Jan 15 06:29	26° ♁ 40'17	
	9421 Jun 10 04:20	0° ♁		evening set	9424 Jan 30 03:09	22° ♁ 22'56	
	9421 Jul 04 07:06	0° ♁		inferior conj	9424 Feb 05 06:41	18° ♁ 44'45	-1°04'41
	9421 Jul 28 09:54	0° ♁		minimum elong	9424 Feb 05 09:08	18° ♁ 40'58	1°03'41
morning set	9421 Aug 09 11:42	15° ♁ 00'01		min. Earth dist.	9424 Feb 05 20:34	18° ♁ 23'15	0.27764 AU
	9421 Aug 21 13:54	0° ♁		asc. node	9424 Feb 09 13:36	16° ♁ 08'08	
asc. node	9421 Aug 24 16:43	3° ♁ 51'53		morning rise	9424 Feb 11 14:20	14° ♁ 59'04	
	9421 Sep 14 19:16	0° ♁		direct	9424 Feb 26 07:46	10° ♁ 40'43	
				greatest brilliancy	9424 Mar 08 05:38	12° ♁ 53'39	-4.8m
superior conj	9421 Sep 16 13:44	2° ♁ 11'16	0°51'44		9424 Apr 02 15:48	0° ♁	
minimum elong	9421 Sep 16 04:24	1° ♁ 42'25	0°51'21	morning max el	9424 Apr 16 16:57	13° ♁ 18'32	46°50'16
max. Earth dist.	9421 Sep 18 10:52	4° ♁ 30'48	1.72920 AU		9424 May 02 13:39	0° ♁	
	9421 Oct 09 01:59	0° ♁			9424 May 29 00:22	0° ♁	
evening rise	9421 Oct 23 06:50	17° ♁ 30'17		desc. node	9424 May 31 09:02	2° ♁ 45'48	
	9421 Nov 02 10:34	0° ♁			9424 Jun 23 06:39	0° ♁	
	9421 Nov 26 21:55	0° ♁			9424 Jul 18 00:47	0° ♁	
desc. node	9421 Dec 14 10:23	21° ♁ 22'18			9424 Aug 11 14:05	0° ♁	
	9421 Dec 21 12:40	0° ♁			9424 Sep 05 01:38	0° ♁	
	9422 Jan 15 06:59	0° ♁		asc. node	9424 Sep 21 05:22	19° ♁ 49'32	
	9422 Feb 09 05:41	0° ♁			9424 Sep 29 12:07	0° ♁	
	9422 Mar 06 12:46	0° ♁		morning set	9424 Oct 18 09:00	23° ♁ 12'28	
	9422 Apr 01 16:19	0° ♁			9424 Oct 23 21:23	0° ♁	
asc. node	9422 Apr 06 09:38	5° ♁ 13'26			9424 Nov 17 05:31	0° ♁	
evening max el	9422 Apr 24 00:24	23° ♁ 50'29	46°56'51				
	9422 Apr 30 06:28	0° ♁		superior conj	9424 Nov 23 23:50	8° ♁ 20'38	1°23'57
greatest brilliancy	9422 Jun 03 09:42	24° ♁ 45'31	-4.9m	minimum elong	9424 Nov 24 03:58	8° ♁ 33'21	1°24'11
retrograde	9422 Jun 13 11:05	26° ♁ 39'48		max. Earth dist.	9424 Nov 23 14:34	7° ♁ 52'03	1.73248 AU
evening set	9422 Jun 29 10:58	21° ♁ 41'27			9424 Dec 11 13:10	0° ♁	
inferior conj	9422 Jul 04 06:46	18° ♁ 47'29	5°30'39	evening rise	9424 Dec 31 04:33	24° ♁ 13'43	
minimum elong	9422 Jul 04 17:15	18° ♁ 31'18	5°27'37		9425 Jan 04 20:53	0° ♁	
min. Earth dist.	9422 Jul 04 08:15	18° ♁ 45'12	0.27235 AU	desc. node	9425 Jan 10 22:26	7° ♁ 28'42	
morning rise	9422 Jul 09 23:45	15° ♁ 24'17			9425 Jan 29 04:36	0° ♁	
direct	9422 Jul 25 00:54	10° ♁ 59'27			9425 Feb 22 12:03	0° ♁	
desc. node	9422 Jul 27 06:18	11° ♁ 05'14			9425 Mar 18 19:50	0° ♁	
greatest brilliancy	9422 Aug 03 22:01	12° ♁ 47'31	-4.8m		9425 Apr 12 06:31	0° ♁	
	9422 Aug 30 10:59	0° ♁		asc. node	9425 May 03 20:36	26° ♁ 09'40	
morning max el	9422 Sep 12 11:36	11° ♁ 58'00	46°07'21		9425 May 07 01:30	0° ♁	
	9422 Sep 30 04:18	0° ♁			9425 Jun 01 14:43	0° ♁	
	9422 Oct 27 10:19	0° ♁			9425 Jun 28 21:41	0° ♁	
asc. node	9422 Nov 17 04:32	23° ♁ 55'16		evening max el	9425 Jul 04 22:39	6° ♁ 09'13	46°32'21
	9422 Nov 22 09:00	0° ♁			9425 Aug 01 17:10	0° ♁	
	9422 Dec 17 13:59	0° ♁		greatest brilliancy	9425 Aug 12 20:30	5° ♁ 57'43	-4.8m
	9423 Jan 11 07:36	0° ♁		desc. node	9425 Aug 23 17:35	8° ♁ 15'29	
	9423 Feb 04 17:47	0° ♁		retrograde	9425 Aug 24 00:22	8° ♁ 15'35	
	9423 Feb 28 22:51	0° ♁		evening set	9425 Sep 08 10:24	3° ♁ 36'31	
desc. node	9423 Mar 08 21:23	9° ♁ 52'57		min. Earth dist.	9425 Sep 13 13:13	0° ♁ 33'02	0.28383 AU
morning set	9423 Mar 10 14:31	12° ♁ 01'07		inferior conj	9425 Sep 14 08:17	0° ♁ 03'25	-5°00'46
	9423 Mar 25 00:03	0° ♁		minimum elong	9425 Sep 13 22:47	0° ♁ 18'11	4°58'25
	9423 Apr 17 22:21	0° ♁			9425 Sep 14 10:29	30° ♁	
max. Earth dist.	9423 Apr 18 02:44	0° ♁ 13'47	1.71341 AU	morning rise	9425 Sep 19 11:44	26° ♁ 57'23	
				direct	9425 Oct 05 13:40	22° ♁ 00'17	
superior conj	9423 Apr 20 01:35	2° ♁ 40'53	-1°20'56	greatest brilliancy	9425 Oct 15 06:03	23° ♁ 42'24	-4.7m
minimum elong	9423 Apr 19 16:56	2° ♁ 13'42	1°20'54		9425 Oct 27 20:31	0° ♁	
	9423 May 11 19:13	0° ♁		morning max el	9425 Nov 23 08:03	21° ♁ 49'11	45°41'32
evening rise	9423 May 30 12:56	23° ♁ 32'14			9425 Dec 01 15:13	0° ♁	
	9423 Jun 04 16:38	0° ♁		asc. node	9425 Dec 14 16:37	13° ♁ 38'49	
	9423 Jun 28 16:41	0° ♁			9425 Dec 29 13:21	0° ♁	
asc. node	9423 Jun 29 17:57	1° ♁ 18'41			9426 Jan 24 13:10	0° ♁	
	9423 Jul 22 21:14	0° ♁			9426 Feb 18 14:56	0° ♁	

	9426 Mar 15 04:25	0° H			9428 Aug 29 10:51	0° M	
desc. node	9426 Apr 05 10:05	26° H 15'43		evening max el	9428 Sep 13 19:00	15° M 39'05	45°52'17
	9426 Apr 08 10:16	0° Y		desc. node	9428 Sep 20 04:33	21° M 42'24	
	9426 May 02 11:08	0° B			9428 Sep 29 17:29	0° A	
morning set	9426 May 25 12:06	28° B 53'34		greatest brilliancy	9428 Oct 22 17:07	14° A 09'10	-4.7m
	9426 May 26 09:16	0° II		retrograde	9428 Nov 01 19:16	15° A 59'43	
	9426 Jun 19 06:56	0° E		evening set	9428 Nov 20 01:04	9° A 46'59	
				inferior conj	9428 Nov 23 07:57	7° A 44'07	-8°28'40
superior conj	9426 Jul 04 09:40	18° E 55'54	-0°52'05	minimum elong	9428 Nov 23 12:07	7° A 37'33	8°28'07
minimum elong	9426 Jul 04 20:28	19° E 29'44	0°51'57	min. Earth dist.	9428 Nov 23 14:24	7° A 33'57	0.29089 AU
max. Earth dist.	9426 Jul 07 08:44	22° E 38'14	1.71730 AU	morning rise	9428 Nov 26 23:05	5° A 28'35	
	9426 Jul 13 06:06	0° O			9428 Dec 09 13:24	30° R M	
asc. node	9426 Jul 27 06:13	17° O 28'03		direct	9428 Dec 14 20:38	29° M 26'32	
	9426 Aug 06 07:57	0° N			9428 Dec 20 06:57	0° A	
evening rise	9426 Aug 12 16:19	7° N 53'03		greatest brilliancy	9428 Dec 25 12:41	1° A 30'45	-4.8m
	9426 Aug 30 13:07	0° L		asc. node	9429 Jan 11 04:14	11° A 06'06	
	9426 Sep 23 22:27	0° M			9429 Feb 01 17:53	0° Z	
	9426 Oct 18 13:42	0° A		morning max el	9429 Feb 02 06:38	0° Z 31'22	46°04'44
	9426 Nov 12 13:24	0° Z			9429 Mar 02 00:30	0° \approx	
desc. node	9426 Nov 16 00:46	4° Z 07'40			9429 Mar 27 23:41	0° H	
	9426 Dec 08 00:51	0° \approx			9429 Apr 21 23:25	0° Y	
	9427 Jan 03 06:02	0° H		desc. node	9429 May 02 22:39	13° Y 23'10	
	9427 Jan 30 23:20	0° Y			9429 May 16 10:54	0° B	
evening max el	9427 Feb 07 14:27	7° Y 42'13	46°27'47		9429 Jun 09 15:56	0° II	
	9427 Mar 05 07:56	0° B			9429 Jul 03 18:27	0° E	
asc. node	9427 Mar 09 00:43	2° B 27'40			9429 Jul 27 21:01	0° O	
greatest brilliancy	9427 Mar 19 16:37	7° B 47'37	-4.9m	morning set	9429 Aug 07 02:17	12° O 42'03	
retrograde	9427 Mar 29 13:17	9° B 36'48			9429 Aug 21 00:52	0° N	
evening set	9427 Apr 15 09:46	4° B 06'16		asc. node	9429 Aug 23 18:36	3° N 23'44	
inferior conj	9427 Apr 19 04:23	1° B 48'50	8°26'21				
minimum elong	9427 Apr 18 20:01	2° B 01'43	8°25'07	superior conj	9429 Sep 14 05:55	29° N 59'19	0°48'58
min. Earth dist.	9427 Apr 19 00:32	1° B 54'44	0.27141 AU	minimum elong	9429 Sep 13 20:49	29° N 31'10	0°48'35
morning rise	9427 Apr 22 06:17	29° Y 56'13			9429 Sep 14 06:08	0° L	
	9427 Apr 22 03:45	30° R Y		max. Earth dist.	9429 Sep 16 02:59	2° L 18'40	1.72889 AU
direct	9427 May 09 21:46	23° Y 59'25			9429 Oct 08 12:51	0° M	
greatest brilliancy	9427 May 19 12:21	25° Y 44'48	-4.9m	evening rise	9429 Oct 21 00:03	15° M 21'59	
	9427 May 28 09:57	0° B			9429 Nov 01 21:31	0° A	
desc. node	9427 Jun 28 20:58	26° B 17'00			9429 Nov 26 09:04	0° Z	
morning max el	9427 Jun 29 08:15	26° B 45'15	46°52'20	desc. node	9429 Dec 13 12:27	20° Z 54'03	
	9427 Jul 02 13:11	0° II			9429 Dec 21 00:08	0° \approx	
	9427 Jul 30 05:31	0° E			9430 Jan 14 18:59	0° H	
	9427 Aug 25 06:18	0° O			9430 Feb 08 18:32	0° Y	
	9427 Sep 19 15:28	0° N			9430 Mar 06 03:06	0° B	
	9427 Oct 14 16:03	0° L			9430 Apr 01 09:38	0° II	
asc. node	9427 Oct 19 17:58	6° L 07'58		asc. node	9430 Apr 05 11:28	4° II 28'56	
	9427 Nov 08 10:11	0° M		evening max el	9430 Apr 21 12:41	21° II 23'07	46°56'37
	9427 Dec 02 23:01	0° A			9430 Apr 30 08:50	0° E	
morning set	9427 Dec 26 22:10	29° A 29'53		greatest brilliancy	9430 Jun 01 00:33	22° E 22'31	-4.9m
	9427 Dec 27 07:56	0° Z		retrograde	9430 Jun 11 00:18	24° E 15'52	
	9428 Jan 20 14:10	0° \approx		evening set	9430 Jun 27 03:33	19° E 12'49	
max. Earth dist.	9428 Jan 30 21:59	12° \approx 48'13	1.72486 AU	inferior conj	9430 Jul 01 20:02	16° E 23'56	5°49'27
				minimum elong	9430 Jul 02 06:48	16° E 07'21	5°46'26
superior conj	9428 Feb 02 14:57	16° \approx 09'44	0°14'06	min. Earth dist.	9430 Jul 01 22:23	16° E 20'18	0.27223 AU
minimum elong	9428 Feb 02 18:17	16° \approx 20'06	0°14'10	morning rise	9430 Jul 07 10:10	13° E 04'43	
behind sun begin	9428 Feb 02 06:45	15° \approx 44'20		direct	9430 Jul 22 13:22	8° E 35'46	
behind sun end	9428 Feb 03 05:49	16° \approx 55'53		desc. node	9430 Jul 26 08:19	8° E 52'26	
desc. node	9428 Feb 08 10:49	23° \approx 23'59		greatest brilliancy	9430 Aug 01 11:43	10° E 24'56	-4.8m
	9428 Feb 13 18:15	0° H			9430 Aug 30 17:05	0° O	
	9428 Mar 08 20:14	0° Y		morning max el	9430 Sep 10 01:24	9° O 38'20	46°08'58
evening rise	9428 Mar 12 17:46	4° Y 51'52			9430 Sep 29 22:09	0° N	
	9428 Apr 01 20:27	0° B			9430 Oct 27 00:36	0° L	
	9428 Apr 25 20:23	0° II		asc. node	9430 Nov 16 06:29	23° L 23'06	
	9428 May 19 22:36	0° E			9430 Nov 21 21:40	0° M	
asc. node	9428 May 31 08:07	14° E 06'05			9430 Dec 17 01:49	0° A	
	9428 Jun 13 06:29	0° O			9431 Jan 10 18:57	0° Z	
	9428 Jul 08 00:22	0° N			9431 Feb 04 04:51	0° \approx	
	9428 Aug 02 11:49	0° L			9431 Feb 28 09:48	0° H	

desc. node	9431 Mar 07 23:17	9° K 24'49			9433 Sep 08 10:43	30° R M	
morning set	9431 Mar 08 03:20	9° K 37'24		min. Earth dist.	9433 Sep 11 04:10	28° M 19'40	0.28332 AU
	9431 Mar 24 10:57	0° Y		inferior conj	9433 Sep 11 23:29	27° M 49'39	-4°43'17
max. Earth dist.	9431 Apr 15 12:50	27° Y 40'27	1.71368 AU	minimum elong	9433 Sep 11 14:18	28° M 03'55	4°40'58
	9431 Apr 17 09:16	0° B		morning rise	9433 Sep 17 05:33	24° M 40'09	
				direct	9433 Oct 03 05:06	19° M 47'28	
superior conj	9431 Apr 17 13:09	0° B 12'11	-1°19'19	greatest brilliancy	9433 Oct 12 19:57	21° M 28'39	-4.7m
minimum elong	9431 Apr 17 03:48	29° Y 42'49	1°19'16		9433 Oct 28 18:36	0° A	
	9431 May 11 06:11	0° II		morning max el	9433 Nov 20 23:12	19° A 37'02	45°41'30
evening rise	9431 May 27 23:54	21° II 01'32			9433 Dec 01 10:27	0° M	
	9431 Jun 04 03:40	0° B		asc. node	9433 Dec 13 18:41	12° M 59'54	
	9431 Jun 28 03:49	0° Q			9433 Dec 29 03:54	0° X	
asc. node	9431 Jun 28 19:59	0° Q 50'18			9434 Jan 24 01:53	0° Z	
	9431 Jul 22 08:35	0° M			9434 Feb 18 02:47	0° \approx	
	9431 Aug 15 20:04	0° A			9434 Mar 14 15:48	0° K	
	9431 Sep 09 17:43	0° M		desc. node	9434 Apr 04 11:58	25° K 46'55	
	9431 Oct 05 08:04	0° X			9434 Apr 07 21:22	0° Y	
desc. node	9431 Oct 18 15:27	15° X 06'31			9434 May 01 22:03	0° B	
	9431 Nov 01 04:39	0° Z		morning set	9434 May 22 23:36	26° B 25'15	
evening max el	9431 Nov 24 23:29	24° Z 21'30	45°48'55		9434 May 25 20:02	0° II	
	9431 Dec 01 00:27	0° \approx			9434 Jun 18 17:36	0° B	
greatest brilliancy	9432 Jan 03 05:52	22° \approx 41'16	-4.8m				
retrograde	9432 Jan 12 21:09	24° \approx 23'22		superior conj	9434 Jul 01 22:27	16° B 32'26	-0°55'04
evening set	9432 Jan 27 19:00	20° \approx 03'34		minimum elong	9434 Jul 02 09:34	17° B 07'12	0°54'57
inferior conj	9432 Feb 02 21:07	16° \approx 27'03	-1°26'46	max. Earth dist.	9434 Jul 04 23:40	20° B 21'32	1.71691 AU
minimum elong	9432 Feb 03 00:23	16° \approx 22'00	1°25'30		9434 Jul 12 16:43	0° Q	
min. Earth dist.	9432 Feb 03 11:24	16° \approx 04'57	0.27809 AU	asc. node	9434 Jul 26 08:06	17° Q 00'54	
asc. node	9432 Feb 08 15:32	12° \approx 59'50			9434 Aug 05 18:35	0° M	
morning rise	9432 Feb 09 05:05	12° \approx 41'11		evening rise	9434 Aug 10 07:19	5° M 37'41	
direct	9432 Feb 23 23:08	8° \approx 22'24			9434 Aug 29 23:49	0° A	
greatest brilliancy	9432 Mar 05 20:58	10° \approx 35'50	-4.8m		9434 Sep 23 09:21	0° M	
	9432 Apr 02 20:44	0° K			9434 Oct 18 00:58	0° X	
morning max el	9432 Apr 14 08:34	11° K 01'42	46°49'14		9434 Nov 12 01:20	0° Z	
	9432 May 02 07:16	0° Y		desc. node	9434 Nov 15 02:49	3° Z 38'04	
	9432 May 28 14:46	0° B			9434 Dec 07 13:57	0° \approx	
desc. node	9432 May 30 11:08	2° B 10'11			9435 Jan 02 21:20	0° K	
	9432 Jun 22 19:34	0° II			9435 Jan 30 19:58	0° Y	
	9432 Jul 17 12:53	0° B		evening max el	9435 Feb 05 04:01	5° Y 20'48	46°26'08
	9432 Aug 11 01:38	0° Q			9435 Mar 06 11:40	0° B	
	9432 Sep 04 12:48	0° M		asc. node	9435 Mar 08 02:37	0° B 59'41	
asc. node	9432 Sep 20 07:15	19° M 21'34		greatest brilliancy	9435 Mar 17 05:54	5° B 23'26	-4.9m
	9432 Sep 28 23:01	0° A		retrograde	9435 Mar 27 01:42	7° B 11'45	
morning set	9432 Oct 16 01:45	21° A 03'13		evening set	9435 Apr 12 18:13	1° B 48'19	
	9432 Oct 23 08:06	0° M			9435 Apr 15 18:04	30° R Y	
	9432 Nov 16 16:09	0° X		inferior conj	9435 Apr 16 17:19	29° Y 24'08	8°16'08
				minimum elong	9435 Apr 16 08:20	29° Y 38'01	8°14'44
superior conj	9432 Nov 21 17:03	6° X 12'49	1°24'36	min. Earth dist.	9435 Apr 16 13:38	29° Y 29'49	0.27138 AU
minimum elong	9432 Nov 21 20:29	6° X 23'25	1°24'52	morning rise	9435 Apr 19 22:27	27° Y 26'30	
max. Earth dist.	9432 Nov 21 11:36	5° X 56'01	1.73255 AU	direct	9435 May 07 10:27	21° Y 34'40	
	9432 Dec 10 23:51	0° Z		greatest brilliancy	9435 May 17 02:02	23° Y 20'23	-4.9m
evening rise	9432 Dec 28 20:29	22° Z 01'33			9435 May 29 18:43	0° B	
	9433 Jan 04 07:42	0° \approx		morning max el	9435 Jun 26 20:23	24° B 18'49	46°53'25
desc. node	9433 Jan 10 00:26	7° \approx 01'23		desc. node	9435 Jun 27 22:54	25° B 25'34	
	9433 Jan 28 15:38	0° K			9435 Jul 02 10:08	0° II	
	9433 Feb 21 23:22	0° Y			9435 Jul 29 20:58	0° B	
	9433 Mar 18 07:31	0° B			9435 Aug 24 19:32	0° Q	
	9433 Apr 11 18:45	0° II			9435 Sep 19 03:30	0° M	
asc. node	9433 May 02 22:40	25° II 36'43			9435 Oct 14 03:22	0° A	
	9433 May 06 14:43	0° B		asc. node	9435 Oct 18 19:56	5° A 39'59	
	9433 Jun 01 05:53	0° Q			9435 Nov 07 21:04	0° M	
	9433 Jun 28 17:51	0° M			9435 Dec 02 09:40	0° X	
evening max el	9433 Jul 02 14:46	3° M 55'10	46°33'41	morning set	9435 Dec 24 14:51	27° X 20'44	
	9433 Aug 02 22:51	0° A			9435 Dec 26 18:28	0° Z	
greatest brilliancy	9433 Aug 10 11:58	3° A 43'14	-4.8m		9436 Jan 20 00:42	0° \approx	
retrograde	9433 Aug 21 16:26	6° A 01'12		max. Earth dist.	9436 Jan 28 12:57	10° \approx 33'04	1.72529 AU
desc. node	9433 Aug 22 19:31	5° A 59'40					
evening set	9433 Sep 05 23:45	1° A 25'33		superior conj	9436 Jan 31 05:30	13° \approx 53'17	0°17'36

minimum elong	9436 Jan 31 09:36	14°06'02	0°17'39	desc. node	9438 Jul 25 10:16	6°05'47	
desc. node	9436 Feb 07 12:39	22°56'50		greatest brilliancy	9438 Jul 30 00:51	8°02'46	-4.8m
	9436 Feb 13 04:51	0°			9438 Aug 30 20:43	0°	
	9436 Mar 08 06:56	0°		morning max el	9438 Sep 07 16:15	7°22'21	46°10'44
evening rise	9436 Mar 10 06:49	2°29'23			9438 Sep 29 15:08	0°	
	9436 Apr 01 07:18	0°			9438 Oct 26 14:16	0°	
	9436 Apr 25 07:26	0°		asc. node	9438 Nov 15 08:33	22°52'46	
	9436 May 19 09:56	0°			9438 Nov 21 09:49	0°	
asc. node	9436 May 30 10:08	13°36'58			9438 Dec 16 13:11	0°	
	9436 Jun 12 18:13	0°			9439 Jan 10 05:55	0°	
	9436 Jul 07 12:48	0°			9439 Feb 03 15:37	0°	
	9436 Aug 02 01:40	0°			9439 Feb 27 20:29	0°	
	9436 Aug 29 04:16	0°		morning set	9439 Mar 05 16:03	7°14'15	
evening max el	9436 Sep 11 09:04	13°24'14	45°53'11	desc. node	9439 Mar 07 01:15	8°57'37	
desc. node	9436 Sep 19 06:30	20°50'06			9439 Mar 23 21:37	0°	
	9436 Sep 30 02:18	0°		max. Earth dist.	9439 Apr 12 23:41	25°10'17	1.71391 AU
greatest brilliancy	9436 Oct 20 08:23	11°59'51	-4.7m				
retrograde	9436 Oct 30 11:00	13°51'17		superior conj	9439 Apr 15 00:23	27°43'11	-1°17'33
evening set	9436 Nov 17 18:05	7°36'51		minimum elong	9439 Apr 14 14:26	27°11'57	1°17'27
inferior conj	9436 Nov 21 00:14	5°35'13	-8°32'13		9439 Apr 16 19:58	0°	
minimum elong	9436 Nov 21 03:39	5°29'49	8°31'46		9439 May 10 16:54	0°	
min. Earth dist.	9436 Nov 21 05:51	5°26'22	0.29109 AU	evening rise	9439 May 25 10:38	18°30'57	
morning rise	9436 Nov 24 13:09	3°23'02			9439 Jun 03 14:26	0°	
	9436 Nov 30 19:37	30°		asc. node	9439 Jun 27 21:52	0°22'16	
direct	9436 Dec 12 12:22	27°17'27			9439 Jun 27 14:43	0°	
greatest brilliancy	9436 Dec 23 04:46	29°21'27	-4.8m		9439 Jul 21 19:41	0°	
	9436 Dec 24 19:55	0°			9439 Aug 15 07:32	0°	
asc. node	9437 Jan 10 06:07	9°59'22			9439 Sep 09 05:50	0°	
morning max el	9437 Jan 30 21:26	28°16'36	46°03'19		9439 Oct 04 21:28	0°	
	9437 Feb 01 15:11	0°		desc. node	9439 Oct 17 17:34	14°31'52	
	9437 Mar 01 15:49	0°			9439 Oct 31 20:58	0°	
	9437 Mar 27 12:51	0°		evening max el	9439 Nov 22 15:12	22°10'52	45°48'18
	9437 Apr 21 11:33	0°			9439 Dec 01 02:28	0°	
desc. node	9437 May 02 00:43	12°53'09		greatest brilliancy	9439 Dec 31 19:46	20°25'46	-4.8m
	9437 May 15 22:27	0°		retrograde	9440 Jan 10 11:46	22°07'54	
	9437 Jun 09 03:07	0°		evening set	9440 Jan 25 11:13	17°45'41	
	9437 Jul 03 05:22	0°		inferior conj	9440 Jan 31 11:45	14°10'48	-1°48'25
	9437 Jul 27 07:43	0°		minimum elong	9440 Jan 31 15:48	14°04'32	1°46'55
morning set	9437 Aug 04 17:02	10°25'48		min. Earth dist.	9440 Feb 01 02:18	13°48'15	0.27860 AU
	9437 Aug 20 11:22	0°		morning rise	9440 Feb 06 19:48	10°24'48	
asc. node	9437 Aug 22 20:30	2°57'07		asc. node	9440 Feb 07 17:30	9°55'54	
				direct	9440 Feb 21 14:54	6°05'37	
superior conj	9437 Sep 11 22:23	27°49'40	0°46'10	greatest brilliancy	9440 Mar 03 12:09	8°18'44	-4.8m
minimum elong	9437 Sep 11 13:34	27°22'22	0°45'45		9440 Apr 02 23:43	0°	
	9437 Sep 13 16:31	0°		morning max el	9440 Apr 12 00:04	8°44'57	46°47'55
max. Earth dist.	9437 Sep 13 19:22	0°08'48	1.72855 AU		9440 May 02 00:27	0°	
	9437 Oct 07 23:13	0°			9440 May 28 04:57	0°	
evening rise	9437 Oct 18 17:40	13°16'24		desc. node	9440 May 29 13:05	1°34'34	
	9437 Nov 01 08:01	0°			9440 Jun 22 08:19	0°	
	9437 Nov 25 19:48	0°			9440 Jul 17 00:47	0°	
desc. node	9437 Dec 12 14:24	20°26'38			9440 Aug 10 12:59	0°	
	9437 Dec 20 11:16	0°			9440 Sep 03 23:47	0°	
	9438 Jan 14 06:42	0°		asc. node	9440 Sep 19 09:14	18°54'29	
	9438 Feb 08 07:10	0°			9440 Sep 28 09:45	0°	
	9438 Mar 05 17:16	0°		morning set	9440 Oct 13 18:46	18°55'14	
	9438 Apr 01 02:58	0°			9440 Oct 22 18:39	0°	
asc. node	9438 Apr 04 13:33	3°45'31			9440 Nov 16 02:38	0°	
evening max el	9438 Apr 19 01:34	18°58'25	46°56'32				
	9438 Apr 30 12:19	0°		superior conj	9440 Nov 19 10:41	4°06'51	1°25'08
greatest brilliancy	9438 May 29 14:46	19°59'52	-4.9m	minimum elong	9440 Nov 19 13:26	4°15'20	1°25'25
retrograde	9438 Jun 08 14:03	21°53'05		max. Earth dist.	9440 Nov 19 08:13	3°59'13	1.73256 AU
evening set	9438 Jun 24 20:11	16°44'59			9440 Dec 10 10:21	0°	
inferior conj	9438 Jun 29 09:15	14°01'15	6°07'38	evening rise	9440 Dec 26 12:49	19°51'17	
minimum elong	9438 Jun 29 20:13	13°44'25	6°04'40		9441 Jan 03 18:20	0°	
min. Earth dist.	9438 Jun 29 12:06	13°56'54	0.27211 AU	desc. node	9441 Jan 09 02:18	6°34'14	
morning rise	9438 Jul 04 20:22	10°46'33			9441 Jan 28 02:32	0°	
direct	9438 Jul 20 02:14	6°12'56			9441 Feb 21 10:36	0°	

	9441 Mar 17 19:11	0°♄		9443 Aug 24 09:03	0°♋	
	9441 Apr 11 07:05	0°♊		9443 Sep 18 15:50	0°♎	
asc. node	9441 May 02 00:38	25°♊03'07		9443 Oct 13 14:58	0°♌	
	9441 May 06 04:07	0°♌	asc. node	9443 Oct 17 21:56	5°♌11'13	
	9441 May 31 21:23	0°♋		9443 Nov 07 08:13	0°♍	
evening max el	9441 Jun 28 14:49	0°♎		9443 Dec 01 20:33	0°♏	
	9441 Jun 30 06:29	1°♎39'43 46°35'07	morning set	9443 Dec 22 07:38	25°♏11'06	
	9441 Aug 04 18:44	0°♌		9443 Dec 26 05:16	0°♐	
greatest brilliancy	9441 Aug 08 04:07	1°♌29'15 -4.8m		9444 Jan 19 11:29	0°♑	
retrograde	9441 Aug 19 08:03	3°♌46'23	max. Earth dist.	9444 Jan 26 05:50	8°♑23'09 1.72567 AU	
desc. node	9441 Aug 21 21:31	3°♌38'29				
	9441 Sep 02 03:09	30°♋♎	superior conj	9444 Jan 28 20:24	11°♑37'09 0°21'03	
evening set	9441 Sep 03 13:15	29°♎14'08	minimum elong	9444 Jan 29 01:15	11°♑52'12 0°21'04	
min. Earth dist.	9441 Sep 08 19:26	26°♎05'34 0.28276 AU	desc. node	9444 Feb 06 14:39	22°♑29'32	
inferior conj	9441 Sep 09 14:38	25°♎35'40 -4°25'25		9444 Feb 12 15:40	0°♒	
minimum elong	9441 Sep 09 05:51	25°♎49'22 4°23'08	evening rise	9444 Mar 07 20:24	0°♑07'58	
morning rise	9441 Sep 14 23:11	22°♎22'39		9444 Mar 07 17:50	0°♑	
direct	9441 Sep 30 20:14	17°♎34'32		9444 Mar 31 18:21	0°♄	
greatest brilliancy	9441 Oct 10 10:03	19°♎14'48 -4.7m		9444 Apr 24 18:42	0°♊	
	9441 Oct 29 10:55	0°♌		9444 May 18 21:32	0°♌	
morning max el	9441 Nov 18 13:34	17°♌22'59 45°41'40	asc. node	9444 May 29 12:01	13°♌06'28	
	9441 Dec 01 05:05	0°♍		9444 Jun 12 06:17	0°♋	
asc. node	9441 Dec 12 20:31	12°♍20'49		9444 Jul 07 01:42	0°♎	
	9441 Dec 28 18:12	0°♏		9444 Aug 01 16:11	0°♌	
	9442 Jan 23 14:28	0°♐		9444 Aug 28 22:42	0°♍	
	9442 Feb 17 14:33	0°♑	evening max el	9444 Sep 08 23:28	11°♍08'45 45°54'17	
	9442 Mar 14 03:09	0°♒	desc. node	9444 Sep 18 08:36	19°♍55'31	
desc. node	9442 Apr 03 14:01	25°♒18'38		9444 Sep 30 15:10	0°♏	
	9442 Apr 07 08:30	0°♑	greatest brilliancy	9444 Oct 17 23:06	9°♏48'25 -4.7m	
	9442 May 01 09:03	0°♄	retrograde	9444 Oct 28 03:07	11°♏41'28	
morning set	9442 May 20 10:38	23°♄54'56	evening set	9444 Nov 15 10:45	5°♏25'37	
	9442 May 25 06:57	0°♊	inferior conj	9444 Nov 18 16:26	3°♏24'52 -8°35'09	
	9442 Jun 18 04:28	0°♌	minimum elong	9444 Nov 18 19:06	3°♏20'41 8°34'46	
			min. Earth dist.	9444 Nov 18 20:58	3°♏17'44 0.29122 AU	
superior conj	9442 Jun 29 10:42	14°♌06'36 -0°58'00	morning rise	9444 Nov 22 03:23	1°♏15'51	
minimum elong	9442 Jun 29 22:01	14°♌42'04 0°57'54		9444 Nov 24 06:50	30°♋♍	
max. Earth dist.	9442 Jul 02 11:00	17°♌52'54 1.71650 AU	direct	9444 Dec 10 04:10	25°♍06'56	
	9442 Jul 12 03:33	0°♋	greatest brilliancy	9444 Dec 20 20:32	27°♍10'49 -4.8m	
asc. node	9442 Jul 25 09:59	16°♋33'08		9444 Dec 27 01:22	0°♏	
	9442 Aug 05 05:24	0°♎	asc. node	9445 Jan 09 08:09	8°♏53'32	
evening rise	9442 Aug 07 21:42	3°♎19'43	morning max el	9445 Jan 28 13:07	26°♏03'15 46°02'00	
	9442 Aug 29 10:42	0°♌		9445 Feb 01 12:07	0°♐	
	9442 Sep 22 20:24	0°♍		9445 Mar 01 07:13	0°♑	
	9442 Oct 17 12:24	0°♏		9445 Mar 27 02:12	0°♒	
	9442 Nov 11 13:27	0°♐		9445 Apr 20 23:53	0°♑	
desc. node	9442 Nov 14 04:45	3°♐07'38	desc. node	9445 May 01 02:36	12°♑21'54	
	9442 Dec 07 03:15	0°♑		9445 May 15 10:13	0°♄	
	9443 Jan 02 12:56	0°♒		9445 Jun 08 14:32	0°♊	
	9443 Jan 30 17:20	0°♑		9445 Jul 02 16:33	0°♌	
evening max el	9443 Feb 02 17:00	2°♑58'05 46°24'36		9445 Jul 26 18:43	0°♋	
asc. node	9443 Mar 07 04:40	29°♑29'01	morning set	9445 Aug 02 07:39	8°♋07'57	
	9443 Mar 08 03:15	0°♄		9445 Aug 19 22:15	0°♎	
greatest brilliancy	9443 Mar 14 19:25	2°♄59'49 -4.9m	asc. node	9445 Aug 21 22:31	2°♎29'40	
retrograde	9443 Mar 24 14:07	4°♄47'27				
	9443 Apr 09 06:18	30°♋♑	superior conj	9445 Sep 09 14:26	25°♎37'17 0°43'14	
evening set	9443 Apr 10 02:51	29°♑30'37	minimum elong	9445 Sep 09 05:57	25°♎11'00 0°42'49	
inferior conj	9443 Apr 14 06:29	26°♑59'57 8°05'02	max. Earth dist.	9445 Sep 11 11:29	27°♎56'42 1.72827 AU	
minimum elong	9443 Apr 13 20:57	27°♑14'41 8°03'26		9445 Sep 13 03:21	0°♌	
min. Earth dist.	9443 Apr 14 03:08	27°♑05'08 0.27143 AU		9445 Oct 07 10:04	0°♍	
morning rise	9443 Apr 17 15:00	24°♑57'09	evening rise	9445 Oct 16 10:53	11°♍08'11	
direct	9443 May 04 23:06	19°♑10'00		9445 Oct 31 18:57	0°♏	
greatest brilliancy	9443 May 14 16:29	20°♑56'50 -4.9m		9445 Nov 25 06:58	0°♐	
	9443 May 30 18:21	0°♄	desc. node	9445 Dec 11 16:16	19°♐57'39	
morning max el	9443 Jun 24 08:51	21°♄52'17 46°54'14		9445 Dec 19 22:49	0°♑	
desc. node	9443 Jun 27 00:49	24°♄34'10		9446 Jan 13 18:51	0°♒	
	9443 Jul 02 06:42	0°♊		9446 Feb 07 20:16	0°♑	
	9443 Jul 29 12:35	0°♌		9446 Mar 05 07:59	0°♄	

	9446 Mar 31 21:04	0°♈			9448 Oct 22 05:25	0°♈	
asc. node	9446 Apr 03 15:35	3°♈00'22			9448 Nov 15 13:22	0°♈	
evening max el	9446 Apr 16 15:37	16°♈35'52	46°56'28				
	9446 Apr 30 18:01	0°♈		superior conj	9448 Nov 17 04:13	1°♈59'49	1°25'34
greatest brilliancy	9446 May 27 04:33	17°♈36'14	-4.9m	minimum elong	9448 Nov 17 06:16	2°♈06'07	1°25'50
retrograde	9446 Jun 06 04:16	19°♈29'41		max. Earth dist.	9448 Nov 17 02:58	1°♈55'57	1.73262 AU
evening set	9446 Jun 22 12:59	14°♈16'32			9448 Dec 09 21:08	0°♈	
inferior conj	9446 Jun 26 22:33	11°♈37'54	6°25'06	evening rise	9448 Dec 24 04:52	17°♈39'13	
minimum elong	9446 Jun 27 09:38	11°♈20'54	6°22'13		9449 Jan 03 05:17	0°♈	
min. Earth dist.	9446 Jun 27 01:28	11°♈33'27	0.27202 AU	desc. node	9449 Jan 08 04:17	6°♈06'32	
morning rise	9446 Jul 02 06:25	8°♈28'02			9449 Jan 27 13:42	0°♈	
direct	9446 Jul 17 15:43	3°♈49'39			9449 Feb 20 22:06	0°♈	
desc. node	9446 Jul 24 12:16	4°♈43'34			9449 Mar 17 07:08	0°♈	
greatest brilliancy	9446 Jul 27 13:25	5°♈39'16	-4.8m		9449 Apr 10 19:41	0°♈	
	9446 Aug 30 23:09	0°♈		asc. node	9449 May 01 02:30	24°♈28'19	
morning max el	9446 Sep 05 07:33	5°♈06'27	46°12'12		9449 May 05 17:51	0°♈	
	9446 Sep 29 08:12	0°♈			9449 May 31 13:21	0°♈	
	9446 Oct 26 04:17	0°♈		evening max el	9449 Jun 27 21:31	29°♈21'51	46°36'31
asc. node	9446 Nov 14 10:22	22°♈20'24			9449 Jun 28 12:48	0°♈	
	9446 Nov 20 22:23	0°♈		greatest brilliancy	9449 Aug 05 20:47	29°♈15'20	-4.8m
	9446 Dec 16 00:58	0°♈			9449 Aug 07 22:44	0°♈	
	9447 Jan 09 17:15	0°♈		retrograde	9449 Aug 16 23:19	1°♈31'13	
	9447 Feb 03 02:44	0°♈		desc. node	9449 Aug 20 23:33	1°♈11'49	
	9447 Feb 27 07:30	0°♈			9449 Aug 25 15:41	30°♈	
morning set	9447 Mar 03 04:50	4°♈50'20		evening set	9449 Sep 01 02:56	27°♈02'04	
desc. node	9447 Mar 06 03:12	8°♈29'26		min. Earth dist.	9449 Sep 06 11:07	23°♈50'42	0.28220 AU
	9447 Mar 23 08:38	0°♈		inferior conj	9449 Sep 07 05:50	23°♈21'31	-4°07'01
max. Earth dist.	9447 Apr 10 09:07	22°♈34'41	1.71414 AU	minimum elong	9449 Sep 06 21:29	23°♈34'33	4°04'48
				morning rise	9449 Sep 12 16:45	20°♈04'59	
superior conj	9447 Apr 12 11:43	25°♈13'27	-1°15'38	direct	9449 Sep 28 10:46	15°♈21'21	
minimum elong	9447 Apr 12 01:15	24°♈40'37	1°15'29	greatest brilliancy	9449 Oct 08 00:39	17°♈01'14	-4.7m
	9447 Apr 16 06:59	0°♈			9449 Oct 29 23:06	0°♈	
	9447 May 10 03:57	0°♈		morning max el	9449 Nov 16 03:18	15°♈07'07	45°41'48
evening rise	9447 May 22 21:31	15°♈59'46			9449 Nov 30 23:19	0°♈	
	9447 Jun 03 01:31	0°♈		asc. node	9449 Dec 11 22:32	11°♈42'21	
asc. node	9447 Jun 26 23:48	29°♈53'32			9449 Dec 28 08:30	0°♈	
	9447 Jun 27 01:53	0°♈			9450 Jan 23 03:10	0°♈	
	9447 Jul 21 07:03	0°♈			9450 Feb 17 02:29	0°♈	
	9447 Aug 14 19:17	0°♈			9450 Mar 13 14:40	0°♈	
	9447 Sep 08 18:19	0°♈		desc. node	9450 Apr 02 15:54	24°♈49'27	
	9447 Oct 04 11:22	0°♈			9450 Apr 06 19:45	0°♈	
desc. node	9447 Oct 16 19:26	13°♈55'01			9450 Apr 30 20:07	0°♈	
	9447 Oct 31 14:06	0°♈		morning set	9450 May 17 21:27	21°♈23'42	
evening max el	9447 Nov 20 06:52	19°♈58'45	45°47'36		9450 May 24 17:55	0°♈	
	9447 Dec 01 06:47	0°♈			9450 Jun 17 15:23	0°♈	
greatest brilliancy	9447 Dec 29 10:14	18°♈09'36	-4.8m				
retrograde	9448 Jan 08 01:56	19°♈50'58		superior conj	9450 Jun 26 22:55	11°♈40'29	-1°00'50
evening set	9448 Jan 23 03:32	15°♈26'25		minimum elong	9450 Jun 27 10:23	12°♈16'23	1°00'44
inferior conj	9448 Jan 29 02:20	11°♈53'26	-2°09'51	max. Earth dist.	9450 Jun 29 19:46	15°♈16'02	1.71611 AU
minimum elong	9448 Jan 29 07:08	11°♈45'59	2°08'09		9450 Jul 11 14:26	0°♈	
min. Earth dist.	9448 Jan 29 17:23	11°♈30'03	0.27907 AU	asc. node	9450 Jul 24 12:02	16°♈05'41	
morning rise	9448 Feb 04 10:11	8°♈07'19			9450 Aug 04 16:17	0°♈	
asc. node	9448 Feb 06 19:31	6°♈53'49		evening rise	9450 Aug 05 12:03	1°♈01'23	
direct	9448 Feb 19 06:17	3°♈47'48			9450 Aug 28 21:37	0°♈	
greatest brilliancy	9448 Mar 01 03:22	6°♈00'32	-4.8m		9450 Sep 22 07:30	0°♈	
	9448 Apr 03 01:37	0°♈			9450 Oct 16 23:52	0°♈	
morning max el	9448 Apr 09 14:34	6°♈24'50	46°46'33		9450 Nov 11 01:38	0°♈	
	9448 May 01 17:33	0°♈		desc. node	9450 Nov 13 06:40	2°♈37'01	
	9448 May 27 19:14	0°♈			9450 Dec 06 16:42	0°♈	
desc. node	9448 May 28 14:55	0°♈58'04			9451 Jan 02 04:54	0°♈	
	9448 Jun 21 21:13	0°♈			9451 Jan 30 15:44	0°♈	
	9448 Jul 16 12:52	0°♈		evening max el	9451 Jan 31 05:42	0°♈34'24	46°22'57
	9448 Aug 10 00:32	0°♈		asc. node	9451 Mar 06 06:40	27°♈54'05	
	9448 Sep 03 10:57	0°♈			9451 Mar 10 19:30	0°♈	
asc. node	9448 Sep 18 11:09	18°♈26'36		greatest brilliancy	9451 Mar 12 08:25	0°♈34'45	-4.9m
	9448 Sep 27 20:39	0°♈		retrograde	9451 Mar 22 02:36	2°♈22'21	
morning set	9448 Oct 11 11:46	16°♈46'36			9451 Apr 01 22:51	30°♈	

evening set	9451 Apr 07 11:15	27° Υ 11'44		minimum elong	9453 Sep 06 22:11	23° Υ 00'01	0°39'49
inferior conj	9451 Apr 11 19:26	24° Υ 34'50	7°52'55	max. Earth dist.	9453 Sep 09 05:46	25° Υ 52'07	1.72795 AU
minimum elong	9451 Apr 11 09:25	24° Υ 50'16	7°51'07		9453 Sep 12 13:53	0° Ω	
min. Earth dist.	9451 Apr 11 16:23	24° Υ 39'31	0.27148 AU		9453 Oct 06 20:36	0° \mathbb{M}	
morning rise	9451 Apr 15 07:30	22° Υ 26'50		evening rise	9453 Oct 14 04:11	9° \mathbb{M} 01'11	
direct	9451 May 02 11:36	16° Υ 44'20			9453 Oct 31 05:36	0° \mathcal{X}	
greatest brilliancy	9451 May 12 06:44	18° Υ 32'39	-4.9m		9453 Nov 24 17:49	0° \mathcal{Z}	
	9451 May 31 11:57	0° \mathcal{X}		desc. node	9453 Dec 10 18:19	19° \mathcal{Z} 30'12	
morning max el	9451 Jun 21 22:00	19° \mathcal{X} 27'29	46°55'09		9453 Dec 19 10:03	0° \approx	
desc. node	9451 Jun 26 02:54	23° \mathcal{X} 44'07			9454 Jan 13 06:42	0° \mathcal{H}	
	9451 Jul 02 02:36	0° \mathbb{I}			9454 Feb 07 09:05	0° Υ	
	9451 Jul 29 03:53	0° \mathcal{E}			9454 Mar 04 22:32	0° \mathcal{B}	
	9451 Aug 23 22:21	0° Ω			9454 Mar 31 15:19	0° \mathbb{I}	
	9451 Sep 18 04:01	0° \mathbb{M}		asc. node	9454 Apr 02 17:25	2° \mathbb{I} 14'47	
	9451 Oct 13 02:26	0° Ω		evening max el	9454 Apr 14 06:17	14° \mathbb{I} 15'30	46°56'01
asc. node	9451 Oct 16 23:46	4° Ω 42'20			9454 May 01 01:51	0° \mathcal{E}	
	9451 Nov 06 19:13	0° \mathbb{M}		greatest brilliancy	9454 May 24 18:07	15° \mathcal{E} 12'14	-4.9m
	9451 Dec 01 07:18	0° \mathcal{X}		retrograde	9454 Jun 03 18:07	17° \mathcal{E} 05'28	
morning set	9451 Dec 20 00:39	23° \mathcal{X} 02'40		evening set	9454 Jun 20 05:36	11° \mathcal{E} 47'28	
	9451 Dec 25 15:55	0° \mathcal{Z}		inferior conj	9454 Jun 24 11:31	9° \mathcal{E} 13'56	6°42'06
	9452 Jan 18 22:08	0° \approx		minimum elong	9454 Jun 24 22:38	8° \mathcal{E} 56'53	6°39'18
max. Earth dist.	9452 Jan 24 00:41	6° \approx 19'41	1.72611 AU	min. Earth dist.	9454 Jun 24 14:27	9° \mathcal{E} 09'26	0.27191 AU
				morning rise	9454 Jun 29 15:51	6° \mathcal{E} 09'09	
superior conj	9452 Jan 26 11:22	9° \approx 21'37	0°24'27	direct	9454 Jul 15 05:09	1° \mathcal{E} 25'59	
minimum elong	9452 Jan 26 16:55	9° \approx 38'50	0°24'27	desc. node	9454 Jul 23 14:16	2° \mathcal{E} 45'52	
desc. node	9452 Feb 05 16:38	22° \approx 02'30		greatest brilliancy	9454 Jul 25 01:25	3° \mathcal{E} 14'51	-4.8m
	9452 Feb 12 02:25	0° \mathcal{H}			9454 Aug 30 23:57	0° Ω	
evening rise	9452 Mar 05 09:52	27° \mathcal{H} 46'30		morning max el	9454 Sep 02 22:12	2° Ω 49'28	46°13'49
	9452 Mar 07 04:42	0° Υ			9454 Sep 29 00:35	0° \mathbb{M}	
	9452 Mar 31 05:23	0° \mathcal{B}			9454 Oct 25 17:46	0° Ω	
	9452 Apr 24 05:58	0° \mathbb{I}		asc. node	9454 Nov 13 12:20	21° Ω 49'51	
	9452 May 18 09:05	0° \mathcal{E}			9454 Nov 20 10:29	0° \mathbb{M}	
asc. node	9452 May 28 14:00	12° \mathcal{E} 36'30			9454 Dec 15 12:18	0° \mathcal{X}	
	9452 Jun 11 18:17	0° Ω			9455 Jan 09 04:10	0° \mathcal{Z}	
	9452 Jul 06 14:31	0° \mathbb{M}			9455 Feb 02 13:26	0° \approx	
	9452 Aug 01 06:40	0° Ω			9455 Feb 26 18:06	0° \mathcal{H}	
	9452 Aug 28 17:22	0° \mathbb{M}		morning set	9455 Feb 28 18:11	2° \mathcal{H} 29'32	
evening max el	9452 Sep 06 14:53	8° \mathbb{M} 56'23	45°55'29	desc. node	9455 Mar 05 05:05	8° \mathcal{H} 02'18	
desc. node	9452 Sep 17 10:30	19° \mathbb{M} 00'03			9455 Mar 22 19:14	0° Υ	
	9452 Oct 01 08:01	0° \mathcal{X}		max. Earth dist.	9455 Apr 07 17:20	19° Υ 56'39	1.71442 AU
greatest brilliancy	9452 Oct 15 13:21	7° \mathcal{X} 37'22	-4.7m				
retrograde	9452 Oct 25 19:43	9° \mathcal{X} 32'33		superior conj	9455 Apr 09 23:26	22° Υ 46'21	-1°13'35
evening set	9452 Nov 13 03:10	3° \mathcal{X} 15'44		minimum elong	9455 Apr 09 12:33	22° Υ 12'13	1°13'23
inferior conj	9452 Nov 16 08:41	1° \mathcal{X} 15'23	-8°37'19		9455 Apr 15 17:37	0° \mathcal{B}	
minimum elong	9452 Nov 16 10:35	1° \mathcal{X} 12'23	8°36'59		9455 May 09 14:38	0° \mathbb{I}	
min. Earth dist.	9452 Nov 16 11:47	1° \mathcal{X} 10'30	0.29132 AU	evening rise	9455 May 20 08:24	13° \mathbb{I} 29'33	
	9452 Nov 18 08:51	30° \mathbb{M}			9455 Jun 02 12:17	0° \mathcal{E}	
morning rise	9452 Nov 19 17:59	29° \mathbb{M} 09'06		asc. node	9455 Jun 26 01:49	29° \mathcal{E} 25'54	
direct	9452 Dec 07 20:30	22° \mathbb{M} 57'31			9455 Jun 26 12:47	0° Ω	
greatest brilliancy	9452 Dec 18 11:45	25° \mathbb{M} 00'42	-4.7m		9455 Jul 20 18:11	0° \mathbb{M}	
	9452 Dec 28 11:24	0° \mathcal{X}			9455 Aug 14 06:47	0° Ω	
asc. node	9453 Jan 08 10:09	7° \mathcal{X} 50'18			9455 Sep 08 06:32	0° \mathbb{M}	
morning max el	9453 Jan 26 05:32	23° \mathcal{X} 52'48	46°00'37		9455 Oct 04 01:02	0° \mathcal{X}	
	9453 Feb 01 07:59	0° \mathcal{Z}		desc. node	9455 Oct 15 21:24	13° \mathcal{X} 19'17	
	9453 Feb 28 22:06	0° \approx			9455 Oct 31 07:10	0° \mathcal{Z}	
	9453 Mar 26 15:13	0° \mathcal{H}		evening max el	9455 Nov 17 21:55	17° \mathcal{Z} 46'25	45°46'59
	9453 Apr 20 12:00	0° Υ			9455 Dec 01 12:26	0° \approx	
desc. node	9453 Apr 30 04:29	11° Υ 51'13		greatest brilliancy	9455 Dec 27 01:22	15° \approx 55'53	-4.8m
	9453 May 14 21:49	0° \mathcal{B}		retrograde	9456 Jan 05 15:44	17° \approx 36'06	
	9453 Jun 08 01:48	0° \mathbb{I}		evening set	9456 Jan 20 20:12	13° \approx 08'56	
	9453 Jul 02 03:32	0° \mathcal{E}		inferior conj	9456 Jan 26 17:10	9° \approx 38'13	-2°30'58
	9453 Jul 26 05:29	0° Ω		minimum elong	9456 Jan 26 22:41	9° \approx 29'38	2°29'03
morning set	9453 Jul 30 22:00	5° Ω 49'55		min. Earth dist.	9456 Jan 27 08:59	9° \approx 13'35	0.27954 AU
	9453 Aug 19 08:52	0° \mathbb{M}		morning rise	9456 Feb 02 00:33	5° \approx 52'09	
asc. node	9453 Aug 21 00:23	2° \mathbb{M} 02'33		asc. node	9456 Feb 05 21:29	3° \approx 57'52	
				direct	9456 Feb 16 21:26	1° \approx 32'00	
superior conj	9453 Sep 07 06:17	23° \mathbb{M} 25'07	0°40'14	greatest brilliancy	9456 Feb 27 19:17	3° \approx 44'57	-4.8m

	9456 Apr 03 01:35	0°♂		desc. node	9458 Nov 12 08:43	2°♂07'14	
morning max el	9456 Apr 07 04:21	4°♂04'23 46°45'18			9458 Dec 06 06:04	0°♂	
	9456 May 01 09:48	0°♂			9459 Jan 01 20:52	0°♂	
	9456 May 27 08:54	0°♂		evening max el	9459 Jan 28 18:54	28°♂12'55 46°21'28	
desc. node	9456 May 27 17:01	0°♂24'02			9459 Jan 30 14:48	0°♂	
	9456 Jun 21 09:38	0°♂		asc. node	9459 Mar 05 08:35	26°♂16'24	
	9456 Jul 16 00:34	0°♂		greatest brilliancy	9459 Mar 09 20:53	28°♂10'03 -4.9m	
	9456 Aug 09 11:45	0°♂		retrograde	9459 Mar 19 15:38	29°♂58'22	
	9456 Sep 02 21:49	0°♂		evening set	9459 Apr 04 19:49	24°♂53'29	
asc. node	9456 Sep 17 13:02	17°♂59'32		inferior conj	9459 Apr 09 08:26	22°♂10'31 7°39'49	
	9456 Sep 27 07:16	0°♂		minimum elong	9459 Apr 08 22:02	22°♂26'30 7°37'51	
morning set	9456 Oct 09 04:28	14°♂37'55		min. Earth dist.	9459 Apr 09 05:26	22°♂15'07 0.27155 AU	
	9456 Oct 21 15:52	0°♂		morning rise	9459 Apr 13 00:09	19°♂57'21	
				direct	9459 Apr 30 00:44	14°♂19'27	
superior conj	9456 Nov 14 21:41	29°♂53'41 1°25'52		greatest brilliancy	9459 May 09 20:44	16°♂08'57 -4.9m	
minimum elong	9456 Nov 14 23:00	29°♂57'45 1°26'08			9459 Jun 01 00:49	0°♂	
	9456 Nov 14 23:44	0°♂		morning max el	9459 Jun 19 12:12	17°♂05'59 46°56'06	
max. Earth dist.	9456 Nov 14 20:38	29°♂50'26 1.73263 AU		desc. node	9459 Jun 25 04:49	22°♂55'09	
	9456 Dec 09 07:34	0°♂			9459 Jul 01 21:41	0°♂	
evening rise	9456 Dec 21 21:03	15°♂28'48			9459 Jul 28 18:45	0°♂	
	9457 Jan 02 15:53	0°♂			9459 Aug 23 11:20	0°♂	
desc. node	9457 Jan 07 06:15	5°♂39'50			9459 Sep 17 15:56	0°♂	
	9457 Jan 27 00:34	0°♂		asc. node	9459 Oct 12 13:42	0°♂	
	9457 Feb 20 09:16	0°♂			9459 Oct 16 01:45	4°♂14'25	
	9457 Mar 16 18:44	0°♂			9459 Nov 06 06:06	0°♂	
	9457 Apr 10 07:57	0°♂			9459 Nov 30 17:59	0°♂	
asc. node	9457 Apr 30 04:35	23°♂55'20		morning set	9459 Dec 17 17:38	20°♂54'24	
	9457 May 05 07:16	0°♂			9459 Dec 25 02:30	0°♂	
	9457 May 31 05:07	0°♂			9460 Jan 18 08:43	0°♂	
evening max el	9457 Jun 25 11:36	27°♂02'42 46°37'42		max. Earth dist.	9460 Jan 21 19:48	4°♂17'21 1.72648 AU	
	9457 Jun 28 11:12	0°♂					
greatest brilliancy	9457 Aug 03 13:19	27°♂01'47 -4.8m		superior conj	9460 Jan 24 02:20	7°♂06'23 0°27'49	
retrograde	9457 Aug 14 14:16	29°♂16'39		minimum elong	9460 Jan 24 08:32	7°♂25'37 0°27'47	
desc. node	9457 Aug 20 01:28	28°♂40'32		desc. node	9460 Feb 04 18:27	21°♂35'11	
evening set	9457 Aug 29 16:39	24°♂50'00			9460 Feb 11 13:03	0°♂	
min. Earth dist.	9457 Sep 04 03:02	21°♂35'49 0.28168 AU		evening rise	9460 Mar 02 23:28	25°♂25'46	
inferior conj	9457 Sep 04 20:58	21°♂07'53 -3°48'00			9460 Mar 06 15:29	0°♂	
minimum elong	9457 Sep 04 13:06	21°♂20'09 3°45'54			9460 Mar 30 16:22	0°♂	
morning rise	9457 Sep 10 10:10	17°♂47'58			9460 Apr 23 17:11	0°♂	
direct	9457 Sep 26 00:52	13°♂08'19			9460 May 17 20:37	0°♂	
greatest brilliancy	9457 Oct 05 15:57	14°♂48'47 -4.7m		asc. node	9460 May 27 16:00	12°♂06'36	
	9457 Oct 30 07:48	0°♂			9460 Jun 11 06:18	0°♂	
morning max el	9457 Nov 13 17:09	12°♂52'05 45°42'08			9460 Jul 06 03:23	0°♂	
	9457 Nov 30 16:50	0°♂			9460 Jul 31 21:16	0°♂	
asc. node	9457 Dec 11 00:35	11°♂05'07			9460 Aug 28 12:30	0°♂	
	9457 Dec 27 22:19	0°♂		evening max el	9460 Sep 04 07:01	6°♂45'56 45°56'38	
	9458 Jan 22 15:28	0°♂		desc. node	9460 Sep 16 12:29	18°♂03'43	
	9458 Feb 16 14:02	0°♂			9460 Oct 02 06:53	0°♂	
	9458 Mar 13 01:50	0°♂		greatest brilliancy	9460 Oct 13 03:28	5°♂26'18 -4.7m	
desc. node	9458 Apr 01 17:46	24°♂21'12		retrograde	9460 Oct 23 12:24	7°♂23'27	
	9458 Apr 06 06:41	0°♂		evening set	9460 Nov 10 19:16	1°♂06'22	
	9458 Apr 30 06:54	0°♂			9460 Nov 12 14:18	30°♂	
morning set	9458 May 15 08:32	18°♂54'08		inferior conj	9460 Nov 14 00:55	29°♂05'46 -8°38'41	
	9458 May 24 04:36	0°♂		minimum elong	9460 Nov 14 02:04	29°♂03'57 8°38'24	
	9458 Jun 17 01:59	0°♂		min. Earth dist.	9460 Nov 14 02:22	29°♂03'29 0.29141 AU	
				morning rise	9460 Nov 17 08:52	27°♂01'40	
superior conj	9458 Jun 24 11:27	9°♂16'15 -1°03'32		direct	9460 Dec 05 13:15	20°♂48'07	
minimum elong	9458 Jun 24 22:57	9°♂52'19 1°03'27		greatest brilliancy	9460 Dec 16 02:29	22°♂49'50 -4.7m	
max. Earth dist.	9458 Jun 27 03:42	12°♂37'30 1.71574 AU			9460 Dec 29 11:36	0°♂	
	9458 Jul 11 01:01	0°♂		asc. node	9461 Jan 07 12:03	6°♂48'05	
asc. node	9458 Jul 23 13:54	15°♂38'36		morning max el	9461 Jan 23 22:04	21°♂42'27 45°59'12	
evening rise	9458 Aug 03 02:32	28°♂44'24			9461 Feb 01 03:23	0°♂	
	9458 Aug 04 02:52	0°♂			9461 Feb 28 12:53	0°♂	
	9458 Aug 28 08:17	0°♂			9461 Mar 26 04:13	0°♂	
	9458 Sep 21 18:23	0°♂			9461 Apr 20 00:07	0°♂	
	9458 Oct 16 11:11	0°♂		desc. node	9461 Apr 29 06:33	11°♂20'59	
	9458 Nov 10 13:41	0°♂			9461 May 14 09:27	0°♂	

	9461 Jun 07 13:08	0°♂		greatest brilliancy	9463 Dec 24 16:30	13°♂41'14	-4.8m
	9461 Jul 01 14:38	0°♂		retrograde	9464 Jan 03 05:24	15°♂20'34	
	9461 Jul 25 16:23	0°♂		evening set	9464 Jan 18 12:58	10°♂50'12	
morning set	9461 Jul 28 12:22	3°♂31'27		inferior conj	9464 Jan 24 08:02	7°♂22'07	-2°51'36
	9461 Aug 18 19:37	0°♂		minimum elong	9464 Jan 24 14:13	7°♂12'29	2°49'30
asc. node	9461 Aug 20 02:17	1°♂35'08		min. Earth dist.	9464 Jan 25 00:45	6°♂56'05	0.28006 AU
				morning rise	9464 Jan 30 14:48	3°♂36'27	
superior conj	9461 Sep 04 22:09	21°♂12'28	0°37'09	asc. node	9464 Feb 04 23:25	1°♂05'15	
minimum elong	9461 Sep 04 14:30	20°♂48'46	0°36'44		9464 Feb 08 10:20	30°♂	
max. Earth dist.	9461 Sep 07 01:41	23°♂52'04	1.72760 AU	direct	9464 Feb 14 12:18	29°♂15'03	
	9461 Sep 12 00:33	0°♂			9464 Feb 20 18:12	0°♂	
	9461 Oct 06 07:17	0°♂		greatest brilliancy	9464 Feb 25 11:45	1°♂28'58	-4.8m
evening rise	9461 Oct 11 21:37	6°♂54'03			9464 Apr 03 01:04	0°♂	
	9461 Oct 30 16:24	0°♂		morning max el	9464 Apr 04 17:58	1°♂42'03	46°43'57
	9461 Nov 24 04:52	0°♂			9464 May 01 02:19	0°♂	
desc. node	9461 Dec 09 20:17	19°♂01'47		desc. node	9464 May 26 18:56	29°♂48'06	
	9461 Dec 18 21:32	0°♂			9464 May 26 22:57	0°♂	
	9462 Jan 12 18:51	0°♂			9464 Jun 20 22:27	0°♂	
	9462 Feb 06 22:17	0°♂			9464 Jul 15 12:38	0°♂	
	9462 Mar 04 13:31	0°♂			9464 Aug 08 23:20	0°♂	
	9462 Mar 31 10:18	0°♂			9464 Sep 02 09:04	0°♂	
asc. node	9462 Apr 01 19:31	1°♂28'38		asc. node	9464 Sep 16 15:02	17°♂31'35	
evening max el	9462 Apr 11 20:53	11°♂54'21	46°55'36		9464 Sep 26 18:17	0°♂	
	9462 May 01 12:47	0°♂		morning set	9464 Oct 06 21:03	12°♂27'29	
greatest brilliancy	9462 May 22 08:04	12°♂48'20	-4.9m		9464 Oct 21 02:43	0°♂	
retrograde	9462 Jun 01 07:38	14°♂40'42					
evening set	9462 Jun 17 22:21	9°♂18'03		superior conj	9464 Nov 12 15:15	27°♂46'33	1°26'01
inferior conj	9462 Jun 22 00:35	6°♂49'35	6°58'14	minimum elong	9464 Nov 12 15:51	27°♂48'23	1°26'18
minimum elong	9462 Jun 22 11:39	6°♂32'35	6°55'35	max. Earth dist.	9464 Nov 12 13:37	27°♂41'28	1.73263 AU
min. Earth dist.	9462 Jun 22 03:36	6°♂44'56	0.27181 AU		9464 Nov 14 10:33	0°♂	
morning rise	9462 Jun 27 01:07	3°♂49'55			9464 Dec 08 18:25	0°♂	
	9462 Jul 05 20:56	30°♂		evening rise	9464 Dec 19 13:27	13°♂17'53	
direct	9462 Jul 12 18:32	29°♂01'57			9465 Jan 02 02:53	0°♂	
	9462 Jul 19 21:06	0°♂		desc. node	9465 Jan 06 08:07	5°♂11'38	
greatest brilliancy	9462 Jul 22 13:42	0°♂49'55	-4.8m		9465 Jan 26 11:49	0°♂	
desc. node	9462 Jul 22 16:13	0°♂52'08			9465 Feb 19 20:52	0°♂	
	9462 Aug 30 23:55	0°♂			9465 Mar 16 06:49	0°♂	
morning max el	9462 Aug 31 12:08	0°♂29'48	46°15'24		9465 Apr 09 20:47	0°♂	
	9462 Sep 28 16:58	0°♂		asc. node	9465 Apr 29 06:32	23°♂20'05	
	9462 Oct 25 07:25	0°♂			9465 May 04 21:21	0°♂	
asc. node	9462 Nov 12 14:22	21°♂18'46			9465 May 30 21:45	0°♂	
	9462 Nov 19 22:48	0°♂		evening max el	9465 Jun 23 01:17	24°♂40'50	46°39'08
	9462 Dec 14 23:53	0°♂			9465 Jun 28 11:17	0°♂	
	9463 Jan 08 15:22	0°♂		greatest brilliancy	9465 Aug 01 05:15	24°♂45'45	-4.8m
	9463 Feb 02 00:27	0°♂		retrograde	9465 Aug 12 05:14	27°♂00'27	
morning set	9463 Feb 26 07:24	0°♂07'12		desc. node	9465 Aug 19 03:28	26°♂02'20	
	9463 Feb 26 05:05	0°♂		evening set	9465 Aug 27 06:23	22°♂35'39	
desc. node	9463 Mar 04 07:03	7°♂34'19		inferior conj	9465 Sep 02 11:57	18°♂52'23	-3°28'35
	9463 Mar 22 06:12	0°♂		minimum elong	9465 Sep 02 04:37	19°♂03'48	3°26'34
max. Earth dist.	9463 Apr 04 22:20	17°♂07'27	1.71469 AU	min. Earth dist.	9465 Sep 01 18:41	19°♂19'15	0.28117 AU
				morning rise	9465 Sep 08 03:23	15°♂29'27	
superior conj	9463 Apr 07 10:59	20°♂17'36	-1°11'22	direct	9465 Sep 23 14:50	10°♂53'14	
minimum elong	9463 Apr 06 23:47	19°♂42'28	1°11'08	greatest brilliancy	9465 Oct 03 07:17	12°♂34'46	-4.8m
	9463 Apr 15 04:37	0°♂			9465 Oct 30 14:39	0°♂	
	9463 May 09 01:39	0°♂		morning max el	9465 Nov 11 07:39	10°♂37'13	45°42'34
evening rise	9463 May 17 19:02	10°♂57'30			9465 Nov 30 10:27	0°♂	
	9463 Jun 01 23:23	0°♂		asc. node	9465 Dec 10 02:23	10°♂26'18	
asc. node	9463 Jun 25 03:41	28°♂56'43			9465 Dec 27 12:27	0°♂	
	9463 Jun 26 00:02	0°♂			9466 Jan 22 04:07	0°♂	
	9463 Jul 20 05:41	0°♂			9466 Feb 16 01:56	0°♂	
	9463 Aug 13 18:43	0°♂			9466 Mar 12 13:20	0°♂	
	9463 Sep 07 19:14	0°♂		desc. node	9466 Mar 31 19:50	23°♂52'29	
	9463 Oct 03 15:15	0°♂			9466 Apr 05 17:58	0°♂	
desc. node	9463 Oct 14 23:30	12°♂42'27			9466 Apr 29 18:04	0°♂	
	9463 Oct 31 01:02	0°♂		morning set	9466 May 12 19:19	16°♂22'21	
evening max el	9463 Nov 15 11:59	15°♂30'41	45°46'26		9466 May 23 15:41	0°♂	
	9463 Dec 01 20:59	0°♂			9466 Jun 16 13:03	0°♂	

superior conj	9466 Jun 21 23:26	6°♄48'51	-1°06'08	direct	9468 Dec 03 06:01	18°♊38'17	
minimum elong	9466 Jun 22 10:56	7°♄24'52	1°06'05	greatest brilliancy	9468 Dec 13 16:48	20°♊37'57	-4.7m
max. Earth dist.	9466 Jun 24 10:35	9°♄54'11	1.71541 AU		9468 Dec 30 05:35	0°♊	
	9466 Jul 10 12:02	0°♊		asc. node	9469 Jan 06 14:06	5°♊47'16	
asc. node	9466 Jul 22 15:48	15°♊10'15		morning max el	9469 Jan 21 13:44	19°♊29'42	45°57'46
evening rise	9466 Jul 31 16:28	26°♊24'23			9469 Jan 31 22:22	0°♊	
	9466 Aug 03 13:53	0°♊			9469 Feb 28 03:36	0°♊	
	9466 Aug 27 19:23	0°♊			9469 Mar 25 17:14	0°♊	
	9466 Sep 21 05:42	0°♊			9469 Apr 19 12:15	0°♊	
	9466 Oct 15 22:57	0°♊		desc. node	9469 Apr 28 08:26	10°♊50'11	
	9466 Nov 10 02:13	0°♊			9469 May 13 21:04	0°♊	
desc. node	9466 Nov 11 10:39	1°♊35'44			9469 Jun 07 00:24	0°♊	
	9466 Dec 05 19:58	0°♊			9469 Jul 01 01:39	0°♊	
	9467 Jan 01 13:33	0°♊			9469 Jul 25 03:14	0°♊	
evening max el	9467 Jan 26 09:07	25°♊53'17	46°20'06	morning set	9469 Jul 26 02:52	1°♊13'33	
	9467 Jan 30 15:18	0°♊			9469 Aug 18 06:21	0°♊	
asc. node	9467 Mar 04 10:38	24°♊34'41		asc. node	9469 Aug 19 04:19	1°♊08'10	
greatest brilliancy	9467 Mar 07 08:54	25°♊44'33	-4.8m				
retrograde	9467 Mar 17 05:12	27°♊34'02		superior conj	9469 Sep 02 13:57	18°♊59'34	0°34'01
evening set	9467 Apr 02 04:40	22°♊34'46		minimum elong	9469 Sep 02 06:48	18°♊37'27	0°33'36
inferior conj	9467 Apr 06 21:32	19°♊45'47	7°26'00	max. Earth dist.	9469 Sep 04 21:28	21°♊51'32	1.72726 AU
minimum elong	9467 Apr 06 10:49	20°♊02'14	7°23'53		9469 Sep 11 11:14	0°♊	
min. Earth dist.	9467 Apr 06 18:13	19°♊50'53	0.27162 AU		9469 Oct 05 17:59	0°♊	
morning rise	9467 Apr 10 16:55	17°♊27'30		evening rise	9469 Oct 09 14:49	4°♊46'09	
direct	9467 Apr 27 14:28	11°♊54'29			9469 Oct 30 03:12	0°♊	
greatest brilliancy	9467 May 07 10:14	13°♊44'17	-4.9m		9469 Nov 23 15:55	0°♊	
	9467 Jun 01 10:38	0°♊		desc. node	9469 Dec 08 22:09	18°♊33'09	
morning max el	9467 Jun 17 02:53	14°♊44'55	46°56'41		9469 Dec 18 09:01	0°♊	
desc. node	9467 Jun 24 06:46	22°♊06'13			9470 Jan 12 07:01	0°♊	
	9467 Jul 01 16:37	0°♊			9470 Feb 06 11:32	0°♊	
	9467 Jul 28 09:48	0°♊			9470 Mar 04 04:40	0°♊	
	9467 Aug 23 00:35	0°♊			9470 Mar 31 05:43	0°♊	
	9467 Sep 17 04:09	0°♊		asc. node	9470 Mar 31 21:32	0°♊41'48	
	9467 Oct 12 01:15	0°♊		evening max el	9470 Apr 09 10:47	9°♊31'38	46°55'09
asc. node	9467 Oct 15 03:45	3°♊45'38			9470 May 02 03:09	0°♊	
	9467 Nov 05 17:15	0°♊		greatest brilliancy	9470 May 19 22:44	10°♊26'00	-4.9m
	9467 Nov 30 04:55	0°♊		retrograde	9470 May 29 20:48	12°♊16'56	
morning set	9467 Dec 15 10:35	18°♊45'14		evening set	9470 Jun 15 15:18	6°♊49'46	
	9467 Dec 24 13:21	0°♊		inferior conj	9470 Jun 19 13:51	4°♊26'28	7°13'34
	9468 Jan 17 19:34	0°♊		minimum elong	9470 Jun 20 00:45	4°♊09'42	7°11'04
max. Earth dist.	9468 Jan 19 13:38	2°♊10'15	1.72681 AU	min. Earth dist.	9470 Jun 19 17:10	4°♊21'21	0.27168 AU
				morning rise	9470 Jun 24 10:22	1°♊32'08	
superior conj	9468 Jan 21 17:26	4°♊50'44	0°31'07		9470 Jun 27 07:44	30°♊	
minimum elong	9468 Jan 22 00:14	5°♊11'50	0°31'05	direct	9470 Jul 10 07:36	26°♊39'08	
desc. node	9468 Feb 03 20:29	21°♊07'42		greatest brilliancy	9470 Jul 20 02:33	28°♊26'40	-4.8m
	9468 Feb 10 23:57	0°♊		desc. node	9470 Jul 21 18:14	29°♊04'01	
evening rise	9468 Feb 29 13:14	23°♊04'55			9470 Jul 23 22:05	0°♊	
	9468 Mar 06 02:29	0°♊		morning max el	9470 Aug 29 01:10	28°♊08'36	46°16'56
	9468 Mar 30 03:31	0°♊			9470 Aug 30 22:27	0°♊	
	9468 Apr 23 04:33	0°♊			9470 Sep 28 08:48	0°♊	
	9468 May 17 08:17	0°♊			9470 Oct 24 20:45	0°♊	
asc. node	9468 May 26 17:53	11°♊35'52		asc. node	9470 Nov 11 16:11	20°♊47'45	
	9468 Jun 10 18:30	0°♊			9470 Nov 19 10:52	0°♊	
	9468 Jul 05 16:32	0°♊			9470 Dec 14 11:16	0°♊	
	9468 Jul 31 12:19	0°♊			9471 Jan 08 02:22	0°♊	
	9468 Aug 28 08:33	0°♊			9471 Feb 01 11:16	0°♊	
evening max el	9468 Sep 01 23:27	4°♊35'20	45°57'46	morning set	9471 Feb 23 20:38	27°♊45'40	
desc. node	9468 Sep 15 14:36	17°♊05'38			9471 Feb 25 15:50	0°♊	
	9468 Oct 03 15:35	0°♊		desc. node	9471 Mar 03 09:01	7°♊06'58	
greatest brilliancy	9468 Oct 10 18:06	3°♊15'03	-4.7m		9471 Mar 21 16:57	0°♊	
retrograde	9468 Oct 21 04:48	5°♊13'23		max. Earth dist.	9471 Apr 02 03:45	14°♊20'18	1.71503 AU
	9468 Nov 06 16:40	30°♊					
evening set	9468 Nov 08 11:01	28°♊56'57		superior conj	9471 Apr 04 22:36	17°♊49'48	-1°09'02
inferior conj	9468 Nov 11 17:06	26°♊55'29	-8°39'23	minimum elong	9471 Apr 04 11:10	17°♊13'58	1°08'45
minimum elong	9468 Nov 11 17:27	26°♊54'54	8°39'07		9471 Apr 14 15:23	0°♊	
min. Earth dist.	9468 Nov 11 16:55	26°♊55'46	0.29144 AU		9471 May 08 12:28	0°♊	
morning rise	9468 Nov 14 23:56	24°♊53'02		evening rise	9471 May 15 05:46	8°♊26'29	

	9471 Jun 01 10:15	0°☿		asc. node	9473 Dec 09 04:27	9°♊50'07
asc. node	9471 Jun 24 05:39	28°☿28'42			9473 Dec 27 01:55	0°♊
	9471 Jun 25 11:00	0°♊			9474 Jan 21 16:15	0°♊
	9471 Jul 19 16:52	0°♊			9474 Feb 15 13:25	0°♊
	9471 Aug 13 06:19	0°♊			9474 Mar 12 00:27	0°♊
	9471 Sep 07 07:36	0°♊		desc. node	9474 Mar 30 21:42	23°♊24'21
	9471 Oct 03 05:15	0°♊			9474 Apr 05 04:52	0°♊
desc. node	9471 Oct 14 01:23	12°♊05'44			9474 Apr 29 04:49	0°♊
	9471 Oct 30 18:59	0°♊		morning set	9474 May 10 05:59	13°♊51'30
evening max el	9471 Nov 13 01:35	13°♊14'46	45°45'53		9474 May 23 02:23	0°♊
	9471 Dec 02 08:05	0°♊			9474 Jun 15 23:42	0°☿
greatest brilliancy	9471 Dec 22 07:31	11°♊27'29	-4.8m			
retrograde	9471 Dec 31 19:33	13°♊06'29		superior conj	9474 Jun 19 11:16	4°☿22'07 -1°08'37
evening set	9472 Jan 16 05:55	8°♊32'26		minimum elong	9474 Jun 19 22:39	4°☿57'47 1°08'36
inferior conj	9472 Jan 21 23:01	5°♊07'18	-3°11'47	max. Earth dist.	9474 Jun 21 19:47	7°☿19'17 1.71513 AU
minimum elong	9472 Jan 22 05:50	4°♊56'41	3°09'32		9474 Jul 09 22:40	0°♊
min. Earth dist.	9472 Jan 22 16:33	4°♊40'00	0.28060 AU	asc. node	9474 Jul 21 17:51	14°♊43'30
morning rise	9472 Jan 28 05:00	1°♊22'32		evening rise	9474 Jul 29 06:24	24°♊05'25
	9472 Jan 30 21:08	30°♊			9474 Aug 03 00:31	0°♊
asc. node	9472 Feb 04 01:28	28°♊18'39			9474 Aug 27 06:06	0°♊
direct	9472 Feb 12 03:10	26°♊59'18			9474 Sep 20 16:37	0°♊
greatest brilliancy	9472 Feb 23 04:32	29°♊14'43	-4.8m		9474 Oct 15 10:17	0°♊
	9472 Feb 25 00:04	0°♊			9474 Nov 09 14:18	0°♊
morning max el	9472 Apr 02 08:10	29°♊22'18	46°42'35	desc. node	9474 Nov 10 12:36	1°♊05'45
	9472 Apr 02 23:10	0°♊			9474 Dec 05 09:29	0°♊
	9472 Apr 30 18:10	0°♊			9475 Jan 01 06:02	0°♊
desc. node	9472 May 25 20:48	29°♊13'25		evening max el	9475 Jan 24 00:01	23°♊36'43 46°18'30
	9472 May 26 12:29	0°♊			9475 Jan 30 16:34	0°♊
	9472 Jun 20 10:49	0°♊		asc. node	9475 Mar 03 12:37	22°♊49'51
	9472 Jul 15 00:18	0°☿		greatest brilliancy	9475 Mar 04 21:00	23°♊20'10 -4.8m
	9472 Aug 08 10:31	0°♊		retrograde	9475 Mar 14 18:43	25°♊10'19
	9472 Sep 01 19:53	0°♊		evening set	9475 Mar 30 13:40	20°♊16'50
asc. node	9472 Sep 15 16:56	17°♊04'44		inferior conj	9475 Apr 04 10:34	17°♊21'51 7°11'19
	9472 Sep 26 04:50	0°♊		minimum elong	9475 Apr 03 23:40	17°♊38'37 7°09'02
morning set	9472 Oct 04 13:58	10°♊19'25		min. Earth dist.	9475 Apr 04 06:57	17°♊27'24 0.27169 AU
	9472 Oct 20 13:08	0°♊		morning rise	9475 Apr 08 09:38	14°♊58'15
				direct	9475 Apr 25 04:22	9°♊30'30
superior conj	9472 Nov 10 09:05	25°♊41'30	1°26'05	greatest brilliancy	9475 May 04 23:23	11°♊19'59 -4.9m
minimum elong	9472 Nov 10 08:58	25°♊41'08	1°26'20		9475 Jun 01 17:26	0°♊
max. Earth dist.	9472 Nov 10 08:07	25°♊38'30	1.73268 AU	morning max el	9475 Jun 14 17:09	12°♊23'50 46°57'10
	9472 Nov 13 20:56	0°♊		desc. node	9475 Jun 23 08:51	21°♊19'25
	9472 Dec 08 04:54	0°♊			9475 Jul 01 10:41	0°♊
evening rise	9472 Dec 17 06:03	11°♊08'48			9475 Jul 28 00:17	0°☿
	9473 Jan 01 13:32	0°♊			9475 Aug 22 13:23	0°♊
desc. node	9473 Jan 05 10:09	4°♊45'01			9475 Sep 16 15:57	0°♊
	9473 Jan 25 22:43	0°♊			9475 Oct 11 12:26	0°♊
	9473 Feb 19 08:07	0°♊		asc. node	9475 Oct 14 05:34	3°♊17'27
	9473 Mar 15 18:33	0°♊			9475 Nov 05 04:02	0°♊
	9473 Apr 09 09:17	0°♊			9475 Nov 29 15:28	0°♊
asc. node	9473 Apr 28 08:26	22°♊45'43		morning set	9475 Dec 13 03:56	16°♊38'35
	9473 May 04 11:11	0°☿			9475 Dec 23 23:48	0°♊
	9473 May 30 14:17	0°♊			9476 Jan 17 06:01	0°♊
evening max el	9473 Jun 20 15:30	22°♊21'31	46°40'33	max. Earth dist.	9476 Jan 17 07:06	0°♊03'23 1.72716 AU
	9473 Jun 28 12:05	0°♊				
greatest brilliancy	9473 Jul 29 20:48	22°♊30'25	-4.8m	superior conj	9476 Jan 19 08:57	2°♊37'44 0°34'20
retrograde	9473 Aug 09 20:50	24°♊45'37		minimum elong	9476 Jan 19 16:18	3°♊00'30 0°34'17
desc. node	9473 Aug 18 05:32	23°♊20'33		desc. node	9476 Feb 02 22:27	20°♊41'12
evening set	9473 Aug 24 20:20	20°♊22'16			9476 Feb 10 10:30	0°♊
min. Earth dist.	9473 Aug 30 10:03	17°♊04'16	0.28064 AU	evening rise	9476 Feb 27 03:08	20°♊45'31
inferior conj	9473 Aug 31 02:55	16°♊38'07	-3°08'43		9476 Mar 05 13:11	0°♊
minimum elong	9473 Aug 30 20:10	16°♊48'35	3°06'51		9476 Mar 29 14:26	0°♊
morning rise	9473 Sep 05 20:33	13°♊12'35			9476 Apr 22 15:43	0°♊
direct	9473 Sep 21 05:02	8°♊39'30			9476 May 16 19:47	0°☿
greatest brilliancy	9473 Sep 30 22:08	10°♊21'50	-4.8m	asc. node	9476 May 25 19:53	11°☿06'04
	9473 Oct 30 18:39	0°♊			9476 Jun 10 06:33	0°♊
morning max el	9473 Nov 08 22:58	8°♊26'02	45°43'05		9476 Jul 05 05:33	0°♊
	9473 Nov 30 03:05	0°♊			9476 Jul 31 03:21	0°♊

	9476 Aug 28 05:01	0°♌			9479 Jan 31 22:06	0°♏	
evening max el	9476 Aug 30 15:26	2°♌24'07	45°58'53	morning set	9479 Feb 21 10:20	25°♏25'36	
desc. node	9476 Sep 14 16:29	16°♌06'26			9479 Feb 25 02:35	0°♏	
	9476 Oct 05 16:19	0°♏		desc. node	9479 Mar 02 10:53	6°♏39'23	
greatest brilliancy	9476 Oct 08 09:29	1°♏05'16	-4.7m		9479 Mar 21 03:42	0°♏	
retrograde	9476 Oct 18 20:47	3°♏04'00		max. Earth dist.	9479 Mar 30 13:29	11°♏46'46	1.71538 AU
	9476 Oct 31 08:07	30°♌					
evening set	9476 Nov 06 02:30	26°♌48'52		superior conj	9479 Apr 02 10:37	15°♏23'23	-1°06'35
inferior conj	9476 Nov 09 09:17	24°♌46'06	-8°39'27	minimum elong	9479 Apr 01 23:01	14°♏47'03	1°06'15
minimum elong	9476 Nov 09 08:52	24°♌46'46	8°39'11		9479 Apr 14 02:09	0°♏	
min. Earth dist.	9476 Nov 09 07:46	24°♌48'30	0.29138 AU		9479 May 07 23:18	0°♏	
morning rise	9476 Nov 12 15:19	22°♌44'45		evening rise	9479 May 12 16:48	5°♏56'23	
direct	9476 Nov 30 22:31	16°♌29'28			9479 May 31 21:12	0°♏	
greatest brilliancy	9476 Dec 11 07:13	18°♌27'04	-4.7m	asc. node	9479 Jun 23 07:39	28°♏00'21	
	9476 Dec 30 18:25	0°♏			9479 Jun 24 22:08	0°♏	
asc. node	9477 Jan 05 16:05	4°♏48'46			9479 Jul 19 04:16	0°♏	
morning max el	9477 Jan 19 04:29	17°♏15'44	45°56'30		9479 Aug 12 18:09	0°♏	
	9477 Jan 31 16:27	0°♏			9479 Sep 06 20:17	0°♌	
	9477 Feb 27 17:48	0°♏			9479 Oct 02 19:40	0°♏	
	9477 Mar 25 05:52	0°♏		desc. node	9479 Oct 13 03:22	11°♏28'18	
	9477 Apr 19 00:07	0°♏			9479 Oct 30 13:41	0°♏	
desc. node	9477 Apr 27 10:20	10°♏20'07		evening max el	9479 Nov 10 15:18	10°♏58'38	45°45'33
	9477 May 13 08:31	0°♏			9479 Dec 02 23:28	0°♏	
	9477 Jun 06 11:33	0°♏		greatest brilliancy	9479 Dec 19 21:56	9°♏12'32	-4.8m
	9477 Jun 30 12:34	0°♏		retrograde	9479 Dec 29 10:10	10°♏51'51	
morning set	9477 Jul 23 16:54	28°♏54'24		evening set	9480 Jan 13 22:56	6°♏13'46	
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	9477 Aug 17 16:58	0°♏		minimum elong	9480 Jan 19 21:19	2°♏40'14	3°29'21
asc. node	9477 Aug 18 06:10	0°♏40'56		min. Earth dist.	9480 Jan 20 07:59	2°♏23'38	0.28113 AU
					9480 Jan 24 06:35	30°♌	
superior conj	9477 Aug 31 05:24	16°♏45'58	0°30'48	morning rise	9480 Jan 25 18:57	29°♏08'24	
minimum elong	9477 Aug 30 22:49	16°♏25'34	0°30'23	asc. node	9480 Feb 03 03:25	25°♏36'25	
max. Earth dist.	9477 Sep 02 15:58	19°♏47'24	1.72688 AU	direct	9480 Feb 09 18:13	24°♏42'48	
	9477 Sep 10 21:49	0°♏		greatest brilliancy	9480 Feb 20 20:55	26°♏59'35	-4.8m
	9477 Oct 05 04:35	0°♌			9480 Feb 27 03:57	0°♏	
evening rise	9477 Oct 07 07:51	2°♌38'02		morning max el	9480 Mar 30 23:18	27°♏04'43	46°41'25
	9477 Oct 29 13:55	0°♏			9480 Apr 02 20:33	0°♏	
	9477 Nov 23 02:53	0°♏			9480 Apr 30 09:49	0°♏	
desc. node	9477 Dec 08 00:13	18°♏05'23		desc. node	9480 May 24 22:54	28°♏39'22	
	9477 Dec 17 20:24	0°♏			9480 May 26 01:59	0°♏	
	9478 Jan 11 19:05	0°♏			9480 Jun 19 23:14	0°♏	
	9478 Feb 06 00:42	0°♏			9480 Jul 14 12:05	0°♏	
	9478 Mar 03 19:50	0°♏			9480 Aug 07 21:54	0°♏	
asc. node	9478 Mar 30 23:23	29°♏54'12			9480 Sep 01 06:58	0°♏	
	9478 Mar 31 01:36	0°♏		asc. node	9480 Sep 14 18:50	16°♏36'56	
evening max el	9478 Apr 06 23:26	7°♏05'58	46°54'25		9480 Sep 25 15:41	0°♏	
	9478 May 02 22:34	0°♏		morning set	9480 Oct 02 06:23	8°♏08'49	
greatest brilliancy	9478 May 17 13:24	8°♏02'59	-4.9m		9480 Oct 19 23:50	0°♌	
retrograde	9478 May 27 09:21	9°♏52'19					
evening set	9478 Jun 13 07:59	4°♏20'18		superior conj	9480 Nov 08 02:25	23°♌34'00	1°26'00
inferior conj	9478 Jun 17 02:53	2°♏02'21	7°28'11	minimum elong	9480 Nov 08 01:34	23°♌31'21	1°26'15
minimum elong	9478 Jun 17 13:33	1°♏45'56	7°25'50	max. Earth dist.	9480 Nov 08 03:45	23°♌38'06	1.73269 AU
min. Earth dist.	9478 Jun 17 06:46	1°♏56'23	0.27163 AU		9480 Nov 13 07:36	0°♏	
	9478 Jun 20 11:20	30°♌			9480 Dec 07 15:39	0°♏	
morning rise	9478 Jun 21 19:13	29°♏13'40		evening rise	9480 Dec 14 22:22	8°♏58'02	
direct	9478 Jul 07 20:03	24°♏14'58			9481 Jan 01 00:29	0°♏	
greatest brilliancy	9478 Jul 17 15:46	26°♏02'48	-4.8m	desc. node	9481 Jan 04 12:04	4°♏17'08	
desc. node	9478 Jul 20 20:14	27°♏19'05			9481 Jan 25 09:55	0°♏	
	9478 Jul 26 01:45	0°♏			9481 Feb 18 19:40	0°♏	
morning max el	9478 Aug 26 13:42	25°♏45'20	46°18'37		9481 Mar 15 06:36	0°♏	
	9478 Aug 30 20:20	0°♏			9481 Apr 08 22:06	0°♏	
	9478 Sep 28 00:30	0°♏		asc. node	9481 Apr 27 10:30	22°♏11'10	
	9478 Oct 24 10:02	0°♏			9481 May 04 01:20	0°♏	
asc. node	9478 Nov 10 18:12	20°♏17'14			9481 May 30 07:19	0°♏	
	9478 Nov 18 22:56	0°♌		evening max el	9481 Jun 18 06:24	20°♏03'27	46°41'51
	9478 Dec 13 22:39	0°♏			9481 Jun 28 14:28	0°♏	
	9479 Jan 07 13:23	0°♏		greatest brilliancy	9481 Jul 27 11:50	20°♏13'31	-4.8m

retrograde	9481 Aug 07 12:41	22° \mathbb{M} 29'23		minimum elong	9484 Jan 17 08:09	0° \approx 47'20	0°37'26
desc. node	9481 Aug 17 07:25	20° \mathbb{M} 32'48		desc. node	9484 Feb 02 00:16	20° \approx 12'59	
evening set	9481 Aug 22 10:22	18° \mathbb{M} 07'17			9484 Feb 09 21:26	0° \mathbb{H}	
min. Earth dist.	9481 Aug 28 01:03	14° \mathbb{M} 48'06	0.28017 AU	evening rise	9484 Feb 24 16:48	18° \mathbb{H} 24'20	
inferior conj	9481 Aug 28 17:44	14° \mathbb{M} 22'17	-2°48'16		9484 Mar 05 00:17	0° \mathbb{Y}	
minimum elong	9481 Aug 28 11:37	14° \mathbb{M} 31'45	2°46'34		9484 Mar 29 01:44	0° \mathbb{B}	
morning rise	9481 Sep 03 13:29	10° \mathbb{M} 54'20			9484 Apr 22 03:16	0° \mathbb{I}	
direct	9481 Sep 18 19:38	6° \mathbb{M} 24'13			9484 May 16 07:41	0° \mathbb{G}	
greatest brilliancy	9481 Sep 28 12:28	8° \mathbb{M} 06'49	-4.8m	asc. node	9484 May 24 21:52	10° \mathbb{G} 35'00	
	9481 Oct 30 21:34	0° \mathbb{L}			9484 Jun 09 19:00	0° \mathbb{Q}	
morning max el	9481 Nov 06 14:40	6° \mathbb{L} 14'27	45°43'30		9484 Jul 04 18:59	0° \mathbb{M}	
	9481 Nov 29 19:51	0° \mathbb{M}			9484 Jul 30 18:52	0° \mathbb{L}	
asc. node	9481 Dec 08 06:28	9° \mathbb{M} 12'53			9484 Aug 28 02:26	0° \mathbb{M}	
	9481 Dec 26 15:42	0° \mathbb{J}		evening max el	9484 Aug 28 06:36	0° \mathbb{M} 10'13	46°00'05
	9482 Jan 21 04:42	0° \mathbb{B}		desc. node	9484 Sep 13 18:28	15° \mathbb{M} 05'39	
	9482 Feb 15 01:12	0° \approx		greatest brilliancy	9484 Oct 06 01:22	28° \mathbb{M} 55'34	-4.7m
	9482 Mar 11 11:52	0° \mathbb{H}			9484 Oct 09 12:52	0° \mathbb{J}	
desc. node	9482 Mar 29 23:35	22° \mathbb{H} 55'14		retrograde	9484 Oct 16 12:35	0° \mathbb{J} 54'26	
	9482 Apr 04 16:04	0° \mathbb{Y}			9484 Oct 23 06:54	30° \mathbb{R} \mathbb{M}	
	9482 Apr 28 15:54	0° \mathbb{B}		evening set	9484 Nov 03 17:47	24° \mathbb{M} 41'06	
morning set	9482 May 07 16:51	11° \mathbb{B} 20'20		inferior conj	9484 Nov 07 01:41	22° \mathbb{M} 36'31	-8°38'40
	9482 May 22 13:22	0° \mathbb{I}		minimum elong	9484 Nov 07 00:29	22° \mathbb{M} 38'24	8°38'23
	9482 Jun 15 10:37	0° \mathbb{G}		min. Earth dist.	9484 Nov 06 23:09	22° \mathbb{M} 40'32	0.29135 AU
superior conj	9482 Jun 16 23:21	1° \mathbb{G} 55'16	-1°10'58	morning rise	9484 Nov 10 07:15	20° \mathbb{M} 35'40	
minimum elong	9482 Jun 17 10:31	2° \mathbb{G} 30'14	1°10'58	direct	9484 Nov 28 14:41	14° \mathbb{M} 20'16	
max. Earth dist.	9482 Jun 19 07:34	4° \mathbb{G} 51'33	1.71480 AU	greatest brilliancy	9484 Dec 08 22:24	16° \mathbb{M} 16'25	-4.7m
	9482 Jul 09 09:33	0° \mathbb{Q}			9484 Dec 31 04:19	0° \mathbb{J}	
asc. node	9482 Jul 20 19:41	14° \mathbb{Q} 15'20		asc. node	9485 Jan 04 17:59	3° \mathbb{J} 50'29	
evening rise	9482 Jul 26 20:30	21° \mathbb{Q} 46'10		morning max el	9485 Jan 16 18:50	14° \mathbb{J} 59'38	45°55'09
	9482 Aug 02 11:24	0° \mathbb{M}			9485 Jan 31 10:31	0° \mathbb{B}	
	9482 Aug 26 17:06	0° \mathbb{L}			9485 Feb 27 08:14	0° \approx	
	9482 Sep 20 03:54	0° \mathbb{M}			9485 Mar 24 18:48	0° \mathbb{H}	
	9482 Oct 14 22:02	0° \mathbb{J}			9485 Apr 18 12:18	0° \mathbb{Y}	
	9482 Nov 09 02:53	0° \mathbb{B}		desc. node	9485 Apr 26 12:24	9° \mathbb{Y} 49'40	
desc. node	9482 Nov 09 14:37	0° \mathbb{B} 34'32			9485 May 12 20:14	0° \mathbb{B}	
	9482 Dec 04 23:35	0° \approx			9485 Jun 05 22:58	0° \mathbb{I}	
	9482 Dec 31 23:21	0° \mathbb{H}		morning set	9485 Jun 29 23:45	0° \mathbb{G}	
evening max el	9483 Jan 21 14:52	21° \mathbb{H} 18'44	46°16'56		9485 Jul 21 06:55	26° \mathbb{G} 34'14	
	9483 Jan 30 19:54	0° \mathbb{Y}		asc. node	9485 Jul 24 00:59	0° \mathbb{Q}	
greatest brilliancy	9483 Mar 02 09:40	20° \mathbb{Y} 55'17	-4.8m		9485 Aug 17 08:06	0° \mathbb{M} 13'10	
asc. node	9483 Mar 02 14:31	20° \mathbb{Y} 59'33			9485 Aug 17 03:51	0° \mathbb{M}	
retrograde	9483 Mar 12 07:47	22° \mathbb{Y} 45'10		superior conj	9485 Aug 28 21:03	14° \mathbb{M} 32'15	0°27'32
evening set	9483 Mar 27 22:51	17° \mathbb{Y} 57'31		minimum elong	9485 Aug 28 15:04	14° \mathbb{M} 13'42	0°27'09
inferior conj	9483 Apr 01 23:34	14° \mathbb{Y} 56'45	6°55'50	max. Earth dist.	9485 Aug 31 08:39	17° \mathbb{M} 36'55	1.72645 AU
minimum elong	9483 Apr 01 12:33	15° \mathbb{Y} 13'44	6°53'26		9485 Sep 10 08:37	0° \mathbb{L}	
min. Earth dist.	9483 Apr 01 20:02	15° \mathbb{Y} 02'12	0.27174 AU		9485 Oct 04 15:22	0° \mathbb{M}	
morning rise	9483 Apr 06 02:15	12° \mathbb{Y} 27'41		evening rise	9485 Oct 05 01:11	0° \mathbb{M} 30'14	
direct	9483 Apr 22 18:03	7° \mathbb{Y} 05'23			9485 Oct 29 00:49	0° \mathbb{J}	
greatest brilliancy	9483 May 02 12:50	8° \mathbb{Y} 54'37	-4.9m		9485 Nov 22 14:04	0° \mathbb{B}	
	9483 Jun 01 22:35	0° \mathbb{B}		desc. node	9485 Dec 07 02:08	17° \mathbb{B} 36'30	
morning max el	9483 Jun 12 06:36	9° \mathbb{B} 59'33	46°57'45		9485 Dec 17 08:05	0° \approx	
desc. node	9483 Jun 22 10:45	20° \mathbb{B} 31'52			9486 Jan 11 07:31	0° \mathbb{H}	
	9483 Jul 01 04:41	0° \mathbb{I}			9486 Feb 05 14:18	0° \mathbb{Y}	
	9483 Jul 27 14:53	0° \mathbb{G}			9486 Mar 03 11:35	0° \mathbb{B}	
	9483 Aug 22 02:20	0° \mathbb{Q}		asc. node	9486 Mar 30 01:30	29° \mathbb{B} 05'34	
	9483 Sep 16 03:58	0° \mathbb{M}			9486 Mar 30 22:31	0° \mathbb{I}	
	9483 Oct 10 23:52	0° \mathbb{L}		evening max el	9486 Apr 04 11:26	4° \mathbb{I} 37'47	46°53'47
asc. node	9483 Oct 13 07:35	2° \mathbb{L} 49'00			9486 May 04 01:39	0° \mathbb{G}	
	9483 Nov 04 15:08	0° \mathbb{M}		greatest brilliancy	9486 May 15 03:49	5° \mathbb{G} 38'46	-4.9m
	9483 Nov 29 02:23	0° \mathbb{J}		retrograde	9486 May 24 22:05	7° \mathbb{G} 27'04	
morning set	9483 Dec 10 21:03	14° \mathbb{J} 30'01		evening set	9486 Jun 11 00:34	1° \mathbb{G} 49'53	
	9483 Dec 23 10:38	0° \mathbb{B}			9486 Jun 14 01:13	30° \mathbb{R} \mathbb{I}	
max. Earth dist.	9484 Jan 14 22:25	27° \mathbb{B} 48'38	1.72751 AU	inferior conj	9486 Jun 14 15:53	29° \mathbb{I} 37'24	7°41'54
	9484 Jan 16 16:52	0° \approx		minimum elong	9486 Jun 15 02:14	29° \mathbb{I} 21'28	7°39'44
superior conj	9484 Jan 17 00:18	0° \approx 23'02	0°37'30	min. Earth dist.	9486 Jun 14 20:17	29° \mathbb{I} 30'38	0.27159 AU
				morning rise	9486 Jun 19 03:56	26° \mathbb{I} 54'47	































































































































direct	9486 Jul 05 08:12	21° Π 49'45			9488 Dec 31 11:17	0° \approx	
greatest brilliancy	9486 Jul 15 05:04	23° Π 38'21	-4.8m	desc. node	9489 Jan 03 13:57	3° \approx 49'38	
desc. node	9486 Jul 19 22:10	25° Π 37'24			9489 Jan 24 20:58	0° \mathcal{H}	
	9486 Jul 27 12:21	0° \mathfrak{C}			9489 Feb 18 07:06	0° \mathcal{Y}	
morning max el	9486 Aug 24 03:03	23° \mathfrak{C} 23'21	46°20'27		9489 Mar 14 18:35	0° \mathcal{B}	
	9486 Aug 30 17:38	0° Ω			9489 Apr 08 10:57	0° Π	
	9486 Sep 27 16:07	0° \mathcal{M}		asc. node	9489 Apr 26 12:26	21° Π 35'59	
	9486 Oct 23 23:20	0° $\underline{\mathfrak{A}}$			9489 May 03 15:39	0° \mathfrak{C}	
asc. node	9486 Nov 09 20:11	19° $\underline{\mathfrak{A}}$ 46'31			9489 May 30 00:45	0° Ω	
	9486 Nov 18 11:02	0° \mathcal{M}		evening max el	9489 Jun 15 22:07	17° Ω 47'12	46°43'11
	9486 Dec 13 10:05	0° \mathcal{A}			9489 Jun 28 18:34	0° \mathcal{M}	
	9487 Jan 07 00:28	0° \mathfrak{Z}		greatest brilliancy	9489 Jul 25 03:03	17° \mathcal{M} 56'38	-4.8m
	9487 Jan 31 09:02	0° \approx		retrograde	9489 Aug 05 04:28	20° \mathcal{M} 12'37	
morning set	9487 Feb 19 00:05	23° \approx 05'12		desc. node	9489 Aug 16 09:26	17° \mathcal{M} 40'01	
	9487 Feb 24 13:30	0° \mathcal{H}		evening set	9489 Aug 20 00:32	15° \mathcal{M} 51'54	
desc. node	9487 Mar 01 12:52	6° \mathcal{H} 11'32		min. Earth dist.	9489 Aug 25 15:50	12° \mathcal{M} 31'43	0.27964 AU
	9487 Mar 20 14:38	0° \mathcal{Y}		inferior conj	9489 Aug 26 08:22	12° \mathcal{M} 06'08	-2°27'28
max. Earth dist.	9487 Mar 28 00:29	9° \mathcal{Y} 16'34	1.71575 AU	minimum elong	9489 Aug 26 02:57	12° \mathcal{M} 14'32	2°25'58
				morning rise	9489 Sep 01 06:07	8° \mathcal{M} 35'53	
superior conj	9487 Mar 30 22:20	12° \mathcal{Y} 55'25	-1°03'58	direct	9489 Sep 16 10:24	4° \mathcal{M} 08'55	
minimum elong	9487 Mar 30 10:41	12° \mathcal{Y} 18'53	1°03'37	greatest brilliancy	9489 Sep 26 02:06	5° \mathcal{M} 51'02	-4.8m
	9487 Apr 13 13:07	0° \mathcal{B}			9489 Oct 30 22:48	0° $\underline{\mathfrak{A}}$	
	9487 May 07 10:18	0° Π		morning max el	9489 Nov 04 06:09	4° $\underline{\mathfrak{A}}$ 02'52	45°44'01
evening rise	9487 May 10 03:35	3° Π 24'55			9489 Nov 29 12:05	0° \mathcal{M}	
	9487 May 31 08:18	0° \mathfrak{C}		asc. node	9489 Dec 07 08:16	8° \mathcal{M} 36'06	
asc. node	9487 Jun 22 09:31	27° \mathfrak{C} 31'09			9489 Dec 26 05:05	0° \mathcal{A}	
	9487 Jun 24 09:24	0° Ω			9490 Jan 20 16:49	0° \mathfrak{Z}	
	9487 Jul 18 15:47	0° \mathcal{M}			9490 Feb 14 12:40	0° \approx	
	9487 Aug 12 06:07	0° $\underline{\mathfrak{A}}$			9490 Mar 10 22:58	0° \mathcal{H}	
	9487 Sep 06 09:06	0° \mathcal{M}		desc. node	9490 Mar 29 01:37	22° \mathcal{H} 27'31	
	9487 Oct 02 10:16	0° \mathcal{A}			9490 Apr 04 02:58	0° \mathcal{Y}	
desc. node	9487 Oct 12 05:28	10° \mathcal{A} 50'55			9490 Apr 28 02:44	0° \mathcal{B}	
	9487 Oct 30 08:51	0° \mathfrak{Z}		morning set	9490 May 05 03:43	8° \mathcal{B} 49'55	
evening max el	9487 Nov 08 06:05	8° \mathfrak{Z} 45'33	45°45'24		9490 May 22 00:10	0° Π	
	9487 Dec 03 19:49	0° \approx					
greatest brilliancy	9487 Dec 17 11:58	6° \approx 58'12	-4.8m	superior conj	9490 Jun 14 11:04	29° Π 27'36	-1°13'11
retrograde	9487 Dec 27 01:22	8° \approx 38'20		minimum elong	9490 Jun 14 21:54	0° \mathfrak{C} 01'34	1°13'13
evening set	9488 Jan 11 16:19	3° \approx 56'09			9490 Jun 14 21:23	0° \mathfrak{C}	
inferior conj	9488 Jan 17 05:03	0° \approx 37'12	-3°51'04	max. Earth dist.	9490 Jun 16 18:24	2° \mathfrak{C} 21'12	1.71452 AU
minimum elong	9488 Jan 17 13:00	0° \approx 24'50	3°48'33		9490 Jul 08 20:17	0° Ω	
min. Earth dist.	9488 Jan 17 23:13	0° \approx 08'57	0.28170 AU	asc. node	9490 Jul 19 21:38	13° Ω 47'51	
	9488 Jan 18 04:59	30° \mathcal{R} \mathfrak{Z}		evening rise	9490 Jul 24 09:54	19° Ω 25'04	
morning rise	9488 Jan 23 09:00	26° \mathfrak{Z} 55'35			9490 Aug 01 22:10	0° \mathcal{M}	
asc. node	9488 Feb 02 05:22	23° \mathfrak{Z} 00'34			9490 Aug 26 03:58	0° $\underline{\mathfrak{A}}$	
direct	9488 Feb 07 10:01	22° \mathfrak{Z} 27'28			9490 Sep 19 15:00	0° \mathcal{M}	
greatest brilliancy	9488 Feb 18 12:53	24° \mathfrak{Z} 44'47	-4.8m		9490 Oct 14 09:36	0° \mathcal{A}	
	9488 Feb 28 13:37	0° \approx		desc. node	9490 Nov 08 16:33	0° \mathfrak{Z} 03'44	
morning max el	9488 Mar 28 15:29	24° \approx 49'55	46°39'53		9490 Nov 08 15:17	0° \mathfrak{Z}	
	9488 Apr 02 17:12	0° \mathcal{H}			9490 Dec 04 13:32	0° \approx	
	9488 Apr 30 01:21	0° \mathcal{Y}			9490 Dec 31 16:39	0° \mathcal{H}	
desc. node	9488 May 24 00:46	28° \mathcal{Y} 04'30		evening max el	9491 Jan 19 05:27	19° \mathcal{H} 01'30	46°15'26
	9488 May 25 15:30	0° \mathcal{B}			9491 Jan 31 00:21	0° \mathcal{Y}	
	9488 Jun 19 11:41	0° Π		greatest brilliancy	9491 Feb 27 23:10	18° \mathcal{Y} 33'23	-4.8m
	9488 Jul 13 23:53	0° \mathfrak{C}		asc. node	9491 Mar 01 16:36	19° \mathcal{Y} 07'04	
	9488 Aug 07 09:15	0° Ω		retrograde	9491 Mar 09 20:38	20° \mathcal{Y} 22'25	
	9488 Aug 31 17:59	0° \mathcal{M}		evening set	9491 Mar 25 08:33	15° \mathcal{Y} 40'21	
asc. node	9488 Sep 13 20:49	16° \mathcal{M} 09'33		inferior conj	9491 Mar 30 12:56	12° \mathcal{Y} 34'13	6°39'42
	9488 Sep 25 02:28	0° $\underline{\mathfrak{A}}$		minimum elong	9491 Mar 30 01:52	12° \mathcal{Y} 51'17	6°37'11
morning set	9488 Sep 29 22:50	5° $\underline{\mathfrak{A}}$ 58'30		min. Earth dist.	9491 Mar 30 09:47	12° \mathcal{Y} 39'03	0.27181 AU
	9488 Oct 19 10:28	0° \mathcal{M}		morning rise	9491 Apr 03 19:08	9° \mathcal{Y} 59'42	
				direct	9491 Apr 20 07:32	4° \mathcal{Y} 42'44	
superior conj	9488 Nov 05 19:57	21° \mathcal{M} 27'19	1°25'48	greatest brilliancy	9491 Apr 30 03:08	6° \mathcal{Y} 32'14	-4.9m
minimum elong	9488 Nov 05 18:22	21° \mathcal{M} 22'26	1°26'03		9491 Jun 02 01:22	0° \mathcal{B}	
max. Earth dist.	9488 Nov 06 00:46	21° \mathcal{M} 42'09	1.73266 AU	morning max el	9491 Jun 09 19:21	7° \mathcal{B} 34'37	46°58'01
	9488 Nov 12 18:12	0° \mathcal{A}		desc. node	9491 Jun 21 12:42	19° \mathcal{B} 46'20	
	9488 Dec 07 02:18	0° \mathfrak{Z}			9491 Jun 30 21:54	0° Π	
evening rise	9488 Dec 12 15:05	6° \mathfrak{Z} 48'52			9491 Jul 27 05:04	0° \mathfrak{C}	

	9491 Aug 21 15:00	0°♈		evening max el	9494 Apr 02 00:02	2°♊12'28	46°53'16
	9491 Sep 15 15:43	0°♍			9494 May 05 15:06	0°♋	
	9491 Oct 10 11:02	0°♌		greatest brilliancy	9494 May 12 17:50	3°♋15'40	-4.9m
asc. node	9491 Oct 12 09:32	2°♌21'10		retrograde	9494 May 22 11:24	5°♋03'43	
	9491 Nov 04 01:55	0°♍			9494 Jun 07 14:29	30°♋♊	
	9491 Nov 28 12:58	0°♎		evening set	9494 Jun 08 17:14	29°♊21'11	
morning set	9491 Dec 08 14:06	12°♎22'16		inferior conj	9494 Jun 12 05:02	27°♊14'09	7°54'39
	9491 Dec 22 21:07	0°♏		minimum elong	9494 Jun 12 14:58	26°♊58'51	7°52'41
max. Earth dist.	9492 Jan 12 13:35	25°♏34'35	1.72784 AU	min. Earth dist.	9494 Jun 12 09:36	27°♊07'07	0.27154 AU
				morning rise	9494 Jun 16 12:43	24°♊37'58	
superior conj	9492 Jan 14 15:55	28°♏10'19	0°40'35	direct	9494 Jul 02 20:45	19°♊26'14	
minimum elong	9492 Jan 15 00:12	28°♏35'59	0°40'31	greatest brilliancy	9494 Jul 12 18:08	21°♊15'28	-4.9m
	9492 Jan 16 03:21	0°♐		desc. node	9494 Jul 19 00:11	24°♊01'23	
desc. node	9492 Feb 01 02:18	19°♐46'32			9494 Jul 28 12:08	0°♋	
	9492 Feb 09 08:00	0°♑		morning max el	9494 Aug 21 17:20	21°♋05'08	46°22'07
evening rise	9492 Feb 22 06:55	16°♑05'50			9494 Aug 30 13:39	0°♈	
	9492 Mar 04 10:59	0°♒			9494 Sep 27 07:04	0°♍	
	9492 Mar 28 12:36	0°♉			9494 Oct 23 12:12	0°♌	
	9492 Apr 21 14:22	0°♊		asc. node	9494 Nov 08 22:00	19°♌16'12	
	9492 May 15 19:09	0°♋			9494 Nov 17 22:48	0°♍	
asc. node	9492 May 23 23:45	10°♋05'01			9494 Dec 12 21:15	0°♎	
	9492 Jun 09 07:04	0°♈			9495 Jan 06 11:18	0°♏	
	9492 Jul 04 08:10	0°♍			9495 Jan 30 19:43	0°♐	
	9492 Jul 30 10:20	0°♌		morning set	9495 Feb 16 13:52	20°♐45'57	
evening max el	9492 Aug 25 21:06	27°♌55'06	46°01'14		9495 Feb 24 00:08	0°♑	
	9492 Aug 28 00:29	0°♍		desc. node	9495 Feb 28 14:48	5°♑44'31	
desc. node	9492 Sep 12 20:33	14°♍03'59			9495 Mar 20 01:16	0°♒	
greatest brilliancy	9492 Oct 03 17:07	26°♍45'50	-4.7m	max. Earth dist.	9495 Mar 25 13:12	6°♒52'49	1.71611 AU
retrograde	9492 Oct 14 04:14	28°♍45'08					
evening set	9492 Nov 01 08:30	22°♍34'02		superior conj	9495 Mar 28 10:05	10°♒28'28	-1°01'15
inferior conj	9492 Nov 04 17:54	20°♍27'15	-8°37'05	minimum elong	9495 Mar 27 22:28	9°♒52'05	1°00'52
minimum elong	9492 Nov 04 15:54	20°♍30'24	8°36'48		9495 Apr 12 23:47	0°♉	
min. Earth dist.	9492 Nov 04 14:33	20°♍32'32	0.29127 AU		9495 May 06 21:02	0°♊	
morning rise	9492 Nov 07 23:20	18°♍26'31		evening rise	9495 May 07 14:33	0°♊54'59	
direct	9492 Nov 26 06:11	12°♍11'15			9495 May 30 19:07	0°♋	
greatest brilliancy	9492 Dec 06 13:55	14°♍06'47	-4.7m	asc. node	9495 Jun 21 11:29	27°♋03'15	
	9492 Dec 31 11:04	0°♎			9495 Jun 23 20:21	0°♈	
asc. node	9493 Jan 03 20:02	2°♎54'44			9495 Jul 18 02:59	0°♍	
morning max el	9493 Jan 14 09:04	12°♎44'23	45°54'00		9495 Aug 11 17:47	0°♌	
	9493 Jan 31 03:44	0°♏			9495 Sep 05 21:42	0°♍	
	9493 Feb 26 22:06	0°♐			9495 Oct 02 00:49	0°♎	
	9493 Mar 24 07:15	0°♑		desc. node	9495 Oct 11 07:19	10°♎13'08	
	9493 Apr 17 23:59	0°♒			9495 Oct 30 04:26	0°♏	
desc. node	9493 Apr 25 14:13	9°♒19'51		evening max el	9495 Nov 05 21:43	6°♏34'50	45°45'04
	9493 May 12 07:28	0°♉			9495 Dec 04 23:50	0°♐	
	9493 Jun 05 09:54	0°♊		greatest brilliancy	9495 Dec 15 01:52	4°♐43'51	-4.7m
	9493 Jun 29 10:28	0°♋		retrograde	9495 Dec 24 16:26	6°♐24'32	
morning set	9493 Jul 18 20:58	24°♋15'23		evening set	9496 Jan 09 09:42	1°♐38'27	
	9493 Jul 23 11:34	0°♈			9496 Jan 12 04:51	30°♐♋	
asc. node	9493 Aug 16 10:06	29°♈46'48		inferior conj	9496 Jan 14 20:02	28°♏22'32	-4°10'00
	9493 Aug 16 14:21	0°♍		minimum elong	9496 Jan 15 04:28	28°♏09'25	4°07'25
				min. Earth dist.	9496 Jan 15 14:08	27°♏54'24	0.28223 AU
superior conj	9493 Aug 26 12:30	12°♍18'54	0°24'13	morning rise	9496 Jan 20 22:39	24°♏42'53	
minimum elong	9493 Aug 26 07:10	12°♍02'22	0°23'50	asc. node	9496 Feb 01 07:24	20°♏29'44	
max. Earth dist.	9493 Aug 28 23:10	15°♍20'43	1.72610 AU	direct	9496 Feb 05 02:02	20°♏12'15	
	9493 Sep 09 19:05	0°♌		greatest brilliancy	9496 Feb 16 04:11	22°♏29'19	-4.8m
evening rise	9493 Oct 02 18:10	28°♌22'16			9496 Feb 29 13:27	0°♐	
	9493 Oct 04 01:53	0°♍		morning max el	9496 Mar 26 07:28	22°♐35'11	46°38'23
	9493 Oct 28 11:27	0°♎			9496 Apr 02 13:02	0°♑	
	9493 Nov 22 00:59	0°♏			9496 Apr 29 16:26	0°♒	
desc. node	9493 Dec 06 04:02	17°♏08'24		desc. node	9496 May 23 02:42	27°♒30'38	
	9493 Dec 16 19:28	0°♐			9496 May 25 04:42	0°♉	
	9494 Jan 10 19:40	0°♑			9496 Jun 18 23:53	0°♊	
	9494 Feb 05 03:40	0°♒			9496 Jul 13 11:29	0°♋	
	9494 Mar 03 03:11	0°♉			9496 Aug 06 20:24	0°♈	
asc. node	9494 Mar 29 03:28	28°♉16'59			9496 Aug 31 04:48	0°♍	
	9494 Mar 30 19:42	0°♊		asc. node	9496 Sep 12 22:43	15°♊42'29	

	9496 Sep 24 13:03	0°♄		minimum elong	9499 Mar 27 15:01	10°♑27'06	6°20'07
morning set	9496 Sep 27 15:33	3°♄49'33		min. Earth dist.	9499 Mar 27 23:45	10°♑13'37	0.27190 AU
	9496 Oct 18 20:57	0°♌		morning rise	9499 Apr 01 11:46	7°♑30'10	
				direct	9499 Apr 17 20:21	2°♑18'07	
superior conj	9496 Nov 03 13:35	19°♌21'20	1°25'28	greatest brilliancy	9499 Apr 27 18:00	4°♑08'54	-4.9m
minimum elong	9496 Nov 03 11:18	19°♌14'19	1°25'43		9499 Jun 02 03:11	0°♄	
max. Earth dist.	9496 Nov 03 22:30	19°♌48'51	1.73265 AU	morning max el	9499 Jun 07 07:37	5°♄07'19	46°58'28
	9496 Nov 12 04:41	0°♊		desc. node	9499 Jun 20 14:47	19°♄00'54	
	9496 Dec 06 12:54	0°♄			9499 Jun 30 15:05	0°♑	
evening rise	9496 Dec 10 07:43	4°♄39'35			9499 Jul 26 19:18	0°♄	
	9496 Dec 30 22:05	0°♄			9499 Aug 21 03:47	0°♌	
desc. node	9497 Jan 02 16:00	3°♄22'36			9499 Sep 15 03:39	0°♑	
	9497 Jan 24 08:03	0°♋			9499 Oct 09 22:25	0°♄	
	9497 Feb 17 18:33	0°♑		asc. node	9499 Oct 11 11:22	1°♄52'17	
	9497 Mar 14 06:36	0°♄			9499 Nov 03 12:57	0°♌	
	9497 Apr 07 23:50	0°♑			9499 Nov 27 23:47	0°♊	
asc. node	9497 Apr 25 14:20	21°♑00'41		morning set	9499 Dec 06 07:24	10°♊14'31	
	9497 May 03 06:04	0°♄			9499 Dec 22 07:51	0°♄	
	9497 May 29 18:31	0°♌		max. Earth dist.	9500 Jan 10 06:41	23°♄25'43	1.72821 AU
evening max el	9497 Jun 13 14:02	15°♌31'28	46°44'24				
	9497 Jun 29 00:33	0°♑		superior conj	9500 Jan 12 07:49	25°♄57'42	0°43'34
greatest brilliancy	9497 Jul 22 18:55	15°♑40'38	-4.8m	minimum elong	9500 Jan 12 16:30	26°♄24'35	0°43'31
retrograde	9497 Aug 02 19:58	17°♑55'45			9500 Jan 15 14:07	0°♄	
desc. node	9497 Aug 15 11:30	14°♑43'05		desc. node	9500 Jan 31 04:15	19°♄18'58	
evening set	9497 Aug 17 14:57	13°♑36'29			9500 Feb 08 18:53	0°♋	
inferior conj	9497 Aug 23 23:03	9°♑50'06	-2°06'23	evening rise	9500 Feb 19 21:10	13°♋46'50	
minimum elong	9497 Aug 23 18:21	9°♑57'23	2°05'05		9500 Mar 04 22:03	0°♑	
min. Earth dist.	9497 Aug 23 06:55	10°♑15'05	0.27909 AU		9500 Mar 28 23:53	0°♄	
morning rise	9497 Aug 29 22:35	6°♑17'33			9500 Apr 22 01:54	0°♑	
direct	9497 Sep 14 01:09	1°♑53'54			9500 May 16 07:04	0°♄	
greatest brilliancy	9497 Sep 23 15:46	3°♑35'15	-4.8m	asc. node	9500 May 24 01:46	9°♄34'04	
	9497 Oct 30 22:43	0°♄			9500 Jun 09 19:37	0°♌	
morning max el	9497 Nov 01 20:54	1°♄49'36	45°44'31		9500 Jul 04 21:50	0°♑	
	9497 Nov 29 03:59	0°♌			9500 Jul 31 02:25	0°♄	
asc. node	9497 Dec 06 10:21	8°♌00'26		evening max el	9500 Aug 24 11:27	25°♄38'40	46°02'34
	9497 Dec 25 18:24	0°♊			9500 Aug 28 23:51	0°♌	
	9498 Jan 20 04:59	0°♄		desc. node	9500 Sep 12 22:27	12°♌59'32	
	9498 Feb 14 00:14	0°♄		greatest brilliancy	9500 Oct 02 08:23	24°♌34'41	-4.7m
	9498 Mar 10 10:13	0°♋		retrograde	9500 Oct 12 20:16	26°♌35'17	
desc. node	9498 Mar 28 03:30	21°♋58'48		evening set	9500 Oct 30 22:59	20°♌26'32	
	9498 Apr 03 14:02	0°♑		inferior conj	9500 Nov 03 10:11	18°♌17'15	-8°34'50
	9498 Apr 27 13:41	0°♄		minimum elong	9500 Nov 03 07:25	18°♌21'37	8°34'29
morning set	9498 May 02 14:21	6°♄18'27		min. Earth dist.	9500 Nov 03 05:55	18°♌23'58	0.29119 AU
	9498 May 21 11:03	0°♑		morning rise	9500 Nov 06 15:51	16°♌16'15	
				direct	9500 Nov 24 21:42	10°♌01'21	
superior conj	9498 Jun 11 22:41	26°♑59'27	-1°15'16	greatest brilliancy	9500 Dec 05 05:40	11°♌56'46	-4.7m
minimum elong	9498 Jun 12 09:07	27°♑32'09	1°15'20		9501 Jan 01 16:03	0°♊	
max. Earth dist.	9498 Jun 14 04:36	29°♑48'35	1.71423 AU	asc. node	9501 Jan 03 22:01	1°♊59'15	
	9498 Jun 14 08:14	0°♄		morning max el	9501 Jan 13 00:12	10°♊30'34	45°53'00
	9498 Jul 08 07:07	0°♌			9501 Jan 31 20:55	0°♄	
asc. node	9498 Jul 18 23:39	13°♌20'18			9501 Feb 27 12:10	0°♄	
	9498 Jul 21 23:13	17°♌03'16			9501 Mar 24 19:59	0°♋	
evening rise	9498 Aug 01 09:02	0°♑			9501 Apr 18 12:04	0°♑	
	9498 Aug 25 14:57	0°♄		desc. node	9501 Apr 25 16:11	8°♑49'10	
	9498 Sep 19 02:15	0°♌			9501 May 12 19:09	0°♄	
	9498 Oct 13 21:18	0°♊			9501 Jun 05 21:18	0°♑	
desc. node	9498 Nov 07 18:31	29°♊32'38			9501 Jun 29 21:40	0°♄	
	9498 Nov 08 03:51	0°♄		morning set	9501 Jul 17 10:34	21°♄53'36	
	9498 Dec 04 03:47	0°♄			9501 Jul 23 22:36	0°♌	
	9498 Dec 31 10:37	0°♋		asc. node	9501 Aug 16 11:57	29°♌18'37	
evening max el	9499 Jan 16 18:58	16°♋40'51	46°13'42		9501 Aug 17 01:17	0°♑	
	9499 Jan 31 07:23	0°♑					
greatest brilliancy	9499 Feb 25 12:47	16°♑10'05	-4.8m	superior conj	9501 Aug 25 03:41	10°♑03'23	0°20'50
asc. node	9499 Feb 28 18:33	17°♑08'16		minimum elong	9501 Aug 24 23:01	9°♑48'57	0°20'27
retrograde	9499 Mar 07 08:55	17°♑58'04		max. Earth dist.	9501 Aug 27 13:48	13°♑03'39	1.72571 AU
evening set	9499 Mar 22 18:08	13°♑21'03			9501 Sep 10 05:57	0°♄	
inferior conj	9499 Mar 28 02:04	10°♑10'03	6°22'44	evening rise	9501 Oct 01 11:15	26°♄13'24	

	9501 Oct 04 12:46	0°♌		morning max el	9504 Mar 24 22:56	20°♏18'29	46°36'54
	9501 Oct 28 22:29	0°♐			9504 Apr 03 08:30	0°♐	
	9501 Nov 22 12:19	0°♑			9504 Apr 30 07:32	0°♑	
desc. node	9501 Dec 06 06:06	16°♑39'40		desc. node	9504 May 23 04:46	26°♑56'46	
	9501 Dec 17 07:17	0°♒			9504 May 25 17:59	0°♒	
	9502 Jan 11 08:14	0°♓			9504 Jun 19 12:15	0°♓	
	9502 Feb 05 17:30	0°♑			9504 Jul 13 23:16	0°♑	
	9502 Mar 03 19:25	0°♒			9504 Aug 07 07:48	0°♒	
asc. node	9502 Mar 29 05:21	27°♒26'11			9504 Aug 31 15:54	0°♑	
evening max el	9502 Mar 31 13:29	29°♒48'11	46°52'30	asc. node	9504 Sep 13 00:37	15°♑14'28	
	9502 Mar 31 18:11	0°♓			9504 Sep 24 23:56	0°♑	
	9502 May 09 03:42	0°♑		morning set	9504 Sep 26 08:00	1°♑38'48	
greatest brilliancy	9502 May 11 06:57	0°♑49'44	-4.9m		9504 Oct 19 07:43	0°♌	
retrograde	9502 May 21 00:53	2°♑38'12					
	9502 Jun 01 10:09	30°♒♓		superior conj	9504 Nov 02 07:02	17°♌14'01	1°25'02
evening set	9502 Jun 07 09:39	26°♓50'13		minimum elong	9504 Nov 02 04:03	17°♌04'50	1°25'14
inferior conj	9502 Jun 10 17:56	24°♓48'32	8°06'39	max. Earth dist.	9504 Nov 02 18:53	17°♌50'34	1.73257 AU
minimum elong	9502 Jun 11 03:25	24°♓33'59	8°04'52		9504 Nov 12 15:25	0°♐	
min. Earth dist.	9502 Jun 10 22:21	24°♓41'45	0.27155 AU		9504 Dec 06 23:43	0°♑	
morning rise	9502 Jun 14 21:13	22°♓19'01		evening rise	9504 Dec 09 00:17	2°♑29'29	
direct	9502 Jul 01 09:49	17°♓00'24			9504 Dec 31 09:05	0°♒	
greatest brilliancy	9502 Jul 11 06:36	18°♓49'45	-4.9m	desc. node	9505 Jan 02 17:55	2°♒54'37	
desc. node	9502 Jul 19 02:11	22°♓26'51			9505 Jan 24 19:19	0°♓	
	9502 Jul 30 06:39	0°♑			9505 Feb 18 06:14	0°♑	
morning max el	9502 Aug 20 08:16	18°♑46'41	46°23'51		9505 Mar 14 18:51	0°♒	
	9502 Aug 31 09:41	0°♒			9505 Apr 08 12:57	0°♓	
	9502 Sep 27 22:20	0°♑		asc. node	9505 Apr 25 16:26	20°♓25'27	
	9502 Oct 24 01:23	0°♑			9505 May 03 20:45	0°♑	
asc. node	9502 Nov 09 00:03	18°♑45'30			9505 May 30 12:47	0°♒	
	9502 Nov 18 10:54	0°♌		evening max el	9505 Jun 12 05:14	13°♒13'40	46°45'27
	9502 Dec 13 08:45	0°♐			9505 Jun 30 09:01	0°♑	
	9503 Jan 06 22:29	0°♑		greatest brilliancy	9505 Jul 21 11:13	13°♑24'45	-4.8m
	9503 Jan 31 06:45	0°♒		retrograde	9505 Aug 01 10:55	15°♑38'22	
morning set	9503 Feb 15 04:14	18°♒27'30		desc. node	9505 Aug 15 13:22	11°♑42'03	
	9503 Feb 24 11:05	0°♓		evening set	9505 Aug 16 05:33	11°♑20'21	
desc. node	9503 Feb 28 16:42	5°♓16'17		min. Earth dist.	9505 Aug 21 22:24	7°♑57'28	0.27860 AU
	9503 Mar 20 12:13	0°♑		inferior conj	9505 Aug 22 13:44	7°♑33'43	-1°44'57
max. Earth dist.	9503 Mar 24 01:58	4°♑28'13	1.71645 AU	minimum elong	9505 Aug 22 09:48	7°♑39'49	1°43'53
				morning rise	9505 Aug 28 14:51	3°♑58'47	
superior conj	9503 Mar 26 22:18	8°♑02'04	-0°58'26		9505 Sep 08 09:00	30°♒♒	
minimum elong	9503 Mar 26 10:49	7°♑26'09	0°58'01	direct	9505 Sep 12 15:34	29°♒38'20	
	9503 Apr 13 10:45	0°♒			9505 Sep 17 00:12	0°♑	
evening rise	9503 May 06 01:50	28°♒25'00		greatest brilliancy	9505 Sep 22 06:07	1°♑19'27	-4.8m
	9503 May 07 08:06	0°♓		morning max el	9505 Oct 31 10:52	29°♑33'43	45°45'05
	9503 May 31 06:19	0°♑			9505 Oct 31 21:50	0°♑	
asc. node	9503 Jun 21 13:30	26°♑34'13			9505 Nov 29 19:49	0°♌	
	9503 Jun 24 07:45	0°♒		asc. node	9505 Dec 06 12:19	7°♌24'16	
	9503 Jul 18 14:39	0°♑			9505 Dec 26 07:44	0°♐	
	9503 Aug 12 05:57	0°♑			9506 Jan 20 17:09	0°♑	
	9503 Sep 06 10:49	0°♌			9506 Feb 14 11:48	0°♒	
	9503 Oct 02 15:59	0°♐			9506 Mar 10 21:27	0°♓	
desc. node	9503 Oct 11 09:21	9°♐34'23		desc. node	9506 Mar 28 05:24	21°♓30'05	
	9503 Oct 31 01:05	0°♑			9506 Apr 04 01:07	0°♑	
evening max el	9503 Nov 04 13:42	4°♑24'05	45°44'53		9506 Apr 28 00:40	0°♒	
	9503 Dec 07 16:55	0°♒		morning set	9506 May 01 01:03	3°♒47'02	
greatest brilliancy	9503 Dec 13 16:14	2°♒29'40	-4.7m		9506 May 21 21:58	0°♓	
retrograde	9503 Dec 23 07:23	4°♒10'22					
	9504 Jan 06 22:49	30°♒♑		superior conj	9506 Jun 10 10:34	24°♓32'05	-1°17'12
evening set	9504 Jan 08 03:24	29°♑20'34		minimum elong	9506 Jun 10 20:29	25°♓03'12	1°17'17
inferior conj	9504 Jan 13 11:13	26°♑07'41	-4°28'27	max. Earth dist.	9506 Jun 12 12:15	27°♓07'59	1.71391 AU
minimum elong	9504 Jan 13 20:04	25°♑53'53	4°25'48		9506 Jun 14 19:04	0°♑	
min. Earth dist.	9504 Jan 14 05:12	25°♑39'39	0.28274 AU		9506 Jul 08 17:55	0°♒	
morning rise	9504 Jan 19 12:15	22°♑30'03		asc. node	9506 Jul 19 01:30	12°♒52'22	
asc. node	9504 Feb 01 09:21	18°♑03'50		evening rise	9506 Jul 20 12:40	14°♒41'57	
direct	9504 Feb 03 18:16	17°♑57'00			9506 Aug 01 19:52	0°♑	
greatest brilliancy	9504 Feb 14 19:26	20°♑13'16	-4.8m		9506 Aug 26 01:56	0°♑	
	9504 Mar 02 07:16	0°♒			9506 Sep 19 13:29	0°♌	

	9506 Oct 14 09:03	0°♊		desc. node	9509 Apr 24 18:14	8°♊19'49	
desc. node	9506 Nov 07 20:33	29°♊01'35			9509 May 12 06:28	0°♊	
	9506 Nov 08 16:31	0°♊			9509 Jun 05 08:20	0°♊	
	9506 Dec 04 18:11	0°♊			9509 Jun 29 08:32	0°♊	
	9507 Jan 01 04:58	0°♊		morning set	9509 Jul 15 00:05	19°♊32'24	
evening max el	9507 Jan 15 07:56	14°♊19'20 46°12'12			9509 Jul 23 09:20	0°♊	
	9507 Feb 01 16:49	0°♊		asc. node	9509 Aug 15 13:54	28°♊51'40	
greatest brilliancy	9507 Feb 24 02:23	13°♊47'32 -4.8m			9509 Aug 16 11:54	0°♊	
asc. node	9507 Feb 28 20:29	15°♊05'34					
retrograde	9507 Mar 05 21:29	15°♊35'04		superior conj	9509 Aug 22 18:46	7°♊48'28 0°17'23	
evening set	9507 Mar 21 04:07	11°♊02'16		minimum elong	9509 Aug 22 14:50	7°♊36'15 0°17'03	
inferior conj	9507 Mar 26 15:25	7°♊46'58 6°05'09		max. Earth dist.	9509 Aug 25 05:35	10°♊50'57 1.72531 AU	
minimum elong	9507 Mar 26 04:29	8°♊03'49 6°02'28			9509 Sep 09 16:29	0°♊	
min. Earth dist.	9507 Mar 26 13:55	7°♊49'16 0.27204 AU		evening rise	9509 Sep 29 04:24	24°♊05'48	
morning rise	9507 Mar 31 04:36	5°♊01'58			9509 Oct 03 23:19	0°♊	
	9507 Apr 14 05:33	30°♊			9509 Oct 28 09:10	0°♊	
direct	9507 Apr 16 09:22	29°♊54'19			9509 Nov 21 23:18	0°♊	
	9507 Apr 18 13:43	0°♊		desc. node	9509 Dec 05 08:01	16°♊11'31	
greatest brilliancy	9507 Apr 26 09:22	1°♊47'01 -4.9m			9509 Dec 16 18:48	0°♊	
	9507 Jun 03 03:31	0°♊			9510 Jan 10 20:33	0°♊	
morning max el	9507 Jun 05 20:37	2°♊42'16 46°58'53			9510 Feb 05 07:09	0°♊	
desc. node	9507 Jun 20 16:40	18°♊15'55			9510 Mar 03 11:37	0°♊	
	9507 Jul 01 07:45	0°♊		asc. node	9510 Mar 28 07:28	26°♊35'58	
	9507 Jul 27 09:15	0°♊		evening max el	9510 Mar 29 03:41	27°♊26'51 46°51'48	
	9507 Aug 21 16:19	0°♊			9510 Mar 31 17:16	0°♊	
	9507 Sep 15 15:20	0°♊		greatest brilliancy	9510 May 08 19:37	28°♊24'27 -4.9m	
	9507 Oct 10 09:35	0°♊			9510 May 15 05:57	0°♊	
asc. node	9507 Oct 11 13:24	1°♊24'34		retrograde	9510 May 18 14:31	0°♊13'29	
	9507 Nov 03 23:48	0°♊			9510 May 21 21:50	30°♊	
	9507 Nov 28 10:26	0°♊		evening set	9510 Jun 05 01:57	24°♊20'21	
morning set	9507 Dec 05 00:38	8°♊06'58		inferior conj	9510 Jun 08 06:48	22°♊23'44 8°17'43	
	9507 Dec 22 18:27	0°♊		minimum elong	9510 Jun 08 15:45	22°♊10'01 8°16'07	
max. Earth dist.	9508 Jan 09 00:58	21°♊20'59 1.72855 AU		min. Earth dist.	9510 Jun 08 10:42	22°♊17'45 0.27154 AU	
				morning rise	9510 Jun 12 05:35	20°♊00'55	
superior conj	9508 Jan 10 23:38	23°♊45'21 0°46'31		direct	9510 Jun 28 23:13	14°♊35'42	
minimum elong	9508 Jan 11 08:40	24°♊13'16 0°46'27		greatest brilliancy	9510 Jul 08 18:29	16°♊24'18 -4.9m	
	9508 Jan 16 00:44	0°♊		desc. node	9510 Jul 18 04:08	20°♊56'37	
desc. node	9508 Jan 31 06:06	18°♊51'35			9510 Jul 30 19:59	0°♊	
	9508 Feb 09 05:36	0°♊		morning max el	9510 Aug 17 23:06	16°♊29'00 46°25'26	
evening rise	9508 Feb 18 11:24	11°♊28'32			9510 Aug 31 04:43	0°♊	
	9508 Mar 04 08:55	0°♊			9510 Sep 27 13:00	0°♊	
	9508 Mar 28 10:58	0°♊			9510 Oct 23 14:06	0°♊	
	9508 Apr 21 13:16	0°♊		asc. node	9510 Nov 08 02:00	18°♊15'42	
	9508 May 15 18:50	0°♊			9510 Nov 17 22:34	0°♊	
asc. node	9508 May 23 03:45	9°♊03'30			9510 Dec 12 19:49	0°♊	
	9508 Jun 09 08:02	0°♊			9511 Jan 06 09:15	0°♊	
	9508 Jul 04 11:25	0°♊			9511 Jan 30 17:24	0°♊	
	9508 Jul 30 18:31	0°♊		morning set	9511 Feb 12 18:33	16°♊10'05	
evening max el	9508 Aug 22 02:17	23°♊24'17 46°04'01			9511 Feb 23 21:43	0°♊	
	9508 Aug 28 23:58	0°♊		desc. node	9511 Feb 27 18:41	4°♊49'21	
desc. node	9508 Sep 12 00:29	11°♊54'35			9511 Mar 19 22:51	0°♊	
greatest brilliancy	9508 Sep 29 22:58	22°♊23'42 -4.8m		max. Earth dist.	9511 Mar 21 11:35	1°♊54'52 1.71682 AU	
retrograde	9508 Oct 10 12:45	24°♊26'25					
evening set	9508 Oct 28 13:11	18°♊20'15		superior conj	9511 Mar 24 10:16	5°♊35'57 -0°55'30	
inferior conj	9508 Nov 01 02:27	16°♊08'04 -8°31'49		minimum elong	9511 Mar 23 23:01	5°♊00'45 0°55'04	
minimum elong	9508 Oct 31 22:56	16°♊13'36 8°31'24			9511 Apr 12 21:26	0°♊	
min. Earth dist.	9508 Oct 31 20:58	16°♊16'42 0.29109 AU		evening rise	9511 May 03 12:42	25°♊54'40	
morning rise	9508 Nov 04 08:44	14°♊06'24			9511 May 06 18:51	0°♊	
direct	9508 Nov 22 13:38	7°♊52'20			9511 May 30 17:11	0°♊	
greatest brilliancy	9508 Dec 02 21:09	9°♊47'31 -4.7m		asc. node	9511 Jun 20 15:20	26°♊05'43	
	9509 Jan 01 18:53	0°♊			9511 Jun 23 18:47	0°♊	
asc. node	9509 Jan 02 23:55	1°♊05'31			9511 Jul 18 01:59	0°♊	
morning max el	9509 Jan 10 16:12	8°♊19'47 45°51'55			9511 Aug 11 17:49	0°♊	
	9509 Jan 31 13:29	0°♊			9511 Sep 05 23:42	0°♊	
	9509 Feb 27 01:50	0°♊			9511 Oct 02 07:00	0°♊	
	9509 Mar 24 08:23	0°♊		desc. node	9511 Oct 10 11:25	8°♊56'23	
	9509 Apr 17 23:47	0°♊			9511 Oct 30 22:00	0°♊	

evening max el	9511 Nov 02 05:12	2°  13'14	45°44'43			9514 Apr 27 11:26	0° 	
	9511 Dec 10 10:51	0° 		morning set		9514 Apr 28 11:45	1°  16'17	
greatest brilliancy	9511 Dec 11 07:08	0°  17'32	-4.7m			9514 May 21 08:41	0° 	
retrograde	9511 Dec 20 21:55	1°  57'42						
	9511 Dec 30 20:50	30°  R 		superior conj		9514 Jun 07 22:13	22°  II04'22	-1°18'59
evening set	9512 Jan 05 21:14	27°  R04'09		minimum elong		9514 Jun 08 07:32	22°  II33'37	1°19'07
inferior conj	9512 Jan 11 02:29	23°  R54'30	-4°46'22	max. Earth dist.		9514 Jun 09 16:45	24°  II17'53	1.71368 AU
minimum elong	9512 Jan 11 11:42	23°  R40'07	4°43'40			9514 Jun 14 05:46	0° 	
min. Earth dist.	9512 Jan 11 20:30	23°  R26'21	0.28324 AU			9514 Jul 08 04:37	0° 	
morning rise	9512 Jan 17 01:42	20°  R18'57		evening rise		9514 Jul 18 01:34	12°  R19'09	
asc. node	9512 Jan 31 11:18	15°  R44'31		asc. node		9514 Jul 18 03:27	12°  R25'00	
direct	9512 Feb 01 10:09	15°  R43'25				9514 Aug 01 06:37	0° 	
greatest brilliancy	9512 Feb 12 10:53	17°  R58'53	-4.8m			9514 Aug 25 12:48	0° 	
	9512 Mar 02 19:55	0° 				9514 Sep 19 00:38	0° 	
morning max el	9512 Mar 22 13:21	18°  R00'18	46°35'13			9514 Oct 13 20:43	0° 	
	9512 Apr 03 03:03	0° 		desc. node		9514 Nov 06 22:27	28°  R30'19	
	9512 Apr 29 22:09	0° 				9514 Nov 08 05:09	0° 	
desc. node	9512 May 22 06:37	26°  R23'08				9514 Dec 04 08:41	0° 	
	9512 May 25 06:56	0° 				9514 Dec 31 23:42	0° 	
	9512 Jun 19 00:18	0° 		evening max el		9515 Jan 12 21:08	11°  R58'56	46°10'50
	9512 Jul 13 10:45	0° 				9515 Feb 02 05:20	0° 	
	9512 Aug 06 18:52	0° 		greatest brilliancy		9515 Feb 21 15:30	11°  R25'09	-4.8m
	9512 Aug 31 02:40	0° 		asc. node		9515 Feb 27 22:34	12°  R58'35	
asc. node	9512 Sep 12 02:36	14°  R47'43		retrograde		9515 Mar 03 10:34	13°  R13'01	
morning set	9512 Sep 24 00:15	29°  R28'24		evening set		9515 Mar 18 14:23	8°  R43'51	
	9512 Sep 24 10:30	0° 		inferior conj		9515 Mar 24 04:47	5°  R24'34	5°46'51
	9512 Oct 18 18:11	0° 		minimum elong		9515 Mar 23 18:03	5°  R41'06	5°44'09
				min. Earth dist.		9515 Mar 24 03:49	5°  R26'03	0.27218 AU
superior conj	9512 Oct 31 00:29	15°  R07'37	1°24'28	morning rise		9515 Mar 28 21:26	2°  R34'49	
minimum elong	9512 Oct 30 20:49	14°  R56'19	1°24'39			9515 Apr 02 22:10	30°  R 	
max. Earth dist.	9512 Oct 31 13:12	15°  R46'50	1.73247 AU	direct		9515 Apr 13 22:42	27°  R31'18	
	9512 Nov 12 01:53	0° 		greatest brilliancy		9515 Apr 24 00:18	29°  R25'37	-4.9m
	9512 Dec 06 10:15	0° 				9515 Apr 25 12:02	0° 	
evening rise	9512 Dec 06 16:56	0°  R20'35				9515 Jun 03 02:31	0° 	
	9512 Dec 30 19:46	0° 		morning max el		9515 Jun 03 10:27	0°  R19'56	46°59'09
desc. node	9513 Jan 01 19:48	2°  R27'30		desc. node		9515 Jun 19 18:39	17°  R32'16	
	9513 Jan 24 06:17	0° 				9515 Jun 30 23:59	0° 	
	9513 Feb 17 17:37	0° 				9515 Jul 26 22:59	0° 	
	9513 Mar 14 06:52	0° 				9515 Aug 21 04:47	0° 	
	9513 Apr 08 01:55	0° 				9515 Sep 15 03:01	0° 	
asc. node	9513 Apr 24 18:20	19°  R49'59		asc. node		9515 Oct 09 20:45	0° 	
	9513 May 03 11:25	0° 				9515 Oct 10 15:19	0°  R56'31	
	9513 May 30 07:22	0° 				9515 Nov 03 10:37	0° 	
evening max el	9513 Jun 09 19:24	10°  R53'24	46°46'29	morning set		9515 Nov 27 21:04	0° 	
	9513 Jun 30 20:25	0° 				9515 Dec 02 17:41	5°  R58'55	
greatest brilliancy	9513 Jul 19 03:39	11°  R08'53	-4.8m			9515 Dec 22 05:01	0° 	
retrograde	9513 Jul 30 01:14	13°  R20'50		max. Earth dist.		9516 Jan 06 20:37	19°  R20'30	1.72888 AU
evening set	9513 Aug 13 20:06	9°  R03'35						
desc. node	9513 Aug 14 15:25	8°  R36'54		superior conj		9516 Jan 08 15:23	21°  R32'44	0°49'22
min. Earth dist.	9513 Aug 19 13:57	5°  R39'22	0.27810 AU	minimum elong		9516 Jan 09 00:41	22°  R01'31	0°49'18
inferior conj	9513 Aug 20 04:13	5°  R17'14	-1°23'08			9516 Jan 15 11:21	0° 	
minimum elong	9513 Aug 20 01:04	5°  R22'07	1°22'20	desc. node		9516 Jan 30 08:07	18°  R24'40	
morning rise	9513 Aug 26 06:47	1°  R40'06				9516 Feb 08 16:21	0° 	
	9513 Aug 29 15:44	30°  R 		evening rise		9516 Feb 16 01:44	9°  R10'31	
direct	9513 Sep 10 05:16	27°  R22'32				9516 Mar 03 19:49	0° 	
greatest brilliancy	9513 Sep 19 20:47	29°  R04'05	-4.8m			9516 Mar 27 22:03	0° 	
	9513 Sep 22 08:35	0° 				9516 Apr 21 00:36	0° 	
morning max el	9513 Oct 29 00:14	27°  R16'52	45°45'46			9516 May 15 06:35	0° 	
	9513 Oct 31 19:44	0° 		asc. node		9516 May 22 05:38	8°  R32'51	
	9513 Nov 29 11:10	0° 				9516 Jun 08 20:28	0° 	
asc. node	9513 Dec 05 14:10	6°  R48'40				9516 Jul 04 01:07	0° 	
	9513 Dec 25 20:44	0° 				9516 Jul 30 10:58	0° 	
	9514 Jan 20 05:03	0° 		evening max el		9516 Aug 19 18:02	21°  R11'46	46°05'25
	9514 Feb 13 23:06	0°				9516 Aug 29 01:31	0°	
	9514 Mar 10 08:27	0°		desc. node		9516 Sep 11 02:32	10° R47'20	
desc. node	9514 Mar 27 07:26	21° R02'33		greatest brilliancy		9516 Sep 27 13:14	20° R11'43	-4.8m
	9514 Apr 03 11:57	0°		retrograde		9516 Oct 08 05:30	22° R16'37	

evening set	9516 Oct 26 02:59	16° \mathbb{M} 13'33		superior conj	9519 Mar 21 22:22	3° Υ 09'30	-0°52'28
inferior conj	9516 Oct 29 18:35	13° \mathbb{M} 57'59	-8°27'57	minimum elong	9519 Mar 21 11:26	2° Υ 35'20	0°52'01
minimum elong	9516 Oct 29 14:21	14° \mathbb{M} 04'38	8°27'28		9519 Apr 12 08:25	0° \mathcal{B}	
min. Earth dist.	9516 Oct 29 11:33	14° \mathbb{M} 09'01	0.29095 AU	evening rise	9519 Apr 30 23:42	23° \mathcal{B} 23'44	
morning rise	9516 Nov 02 01:47	11° \mathbb{M} 55'11			9519 May 06 05:56	0° \mathbb{I}	
direct	9516 Nov 20 05:55	5° \mathbb{M} 42'39			9519 May 30 04:23	0° \mathcal{G}	
greatest brilliancy	9516 Nov 30 11:56	7° \mathbb{M} 36'57	-4.7m	asc. node	9519 Jun 19 17:21	25° \mathcal{G} 36'51	
	9517 Jan 01 20:23	0° \mathcal{A}			9519 Jun 23 06:07	0° \mathcal{Q}	
asc. node	9517 Jan 02 01:58	0° \mathcal{A} 12'51			9519 Jul 17 13:35	0° \mathbb{M}	
morning max el	9517 Jan 08 08:23	6° \mathcal{A} 09'16	45°50'48		9519 Aug 11 05:57	0° \mathcal{L}	
	9517 Jan 31 05:51	0° \mathcal{Z}			9519 Sep 05 12:54	0° \mathbb{M}	
	9517 Feb 26 15:30	0° \approx			9519 Oct 01 22:29	0° \mathcal{A}	
	9517 Mar 23 20:51	0° \mathcal{H}		desc. node	9519 Oct 09 13:16	8° \mathcal{A} 16'42	
	9517 Apr 17 11:36	0° Υ			9519 Oct 30 20:04	0° \mathcal{Z}	
desc. node	9517 Apr 23 20:02	7° Υ 49'22		evening max el	9519 Oct 30 19:55	29° \mathcal{A} 59'37	45°44'28
	9517 May 11 17:51	0° \mathcal{B}		greatest brilliancy	9519 Dec 08 22:37	28° \mathcal{Z} 05'12	-4.7m
	9517 Jun 04 19:27	0° \mathbb{I}		retrograde	9519 Dec 18 12:16	29° \mathcal{Z} 44'34	
	9517 Jun 28 19:26	0° \mathcal{G}		evening set	9520 Jan 03 15:14	24° \mathcal{Z} 47'00	
morning set	9517 Jul 12 13:55	17° \mathcal{G} 12'00		inferior conj	9520 Jan 08 17:56	21° \mathcal{Z} 40'51	-5°03'36
	9517 Jul 22 20:06	0° \mathcal{Q}		minimum elong	9520 Jan 09 03:26	21° \mathcal{Z} 55'57	5°00'54
asc. node	9517 Aug 14 15:54	28° \mathcal{Q} 24'39		min. Earth dist.	9520 Jan 09 12:15	21° \mathcal{Z} 12'11	0.28376 AU
	9517 Aug 15 22:35	0° \mathbb{M}		morning rise	9520 Jan 14 15:09	18° \mathcal{Z} 07'35	
				direct	9520 Jan 30 01:44	13° \mathcal{Z} 29'11	
superior conj	9517 Aug 20 09:55	5° \mathbb{M} 33'19	0°13'56	asc. node	9520 Jan 30 13:20	13° \mathcal{Z} 29'28	
minimum elong	9517 Aug 20 06:44	5° \mathbb{M} 23'27	0°13'37	greatest brilliancy	9520 Feb 10 03:01	15° \mathcal{Z} 44'33	-4.8m
behind sun begin	9517 Aug 19 17:52	4° \mathbb{M} 43'30			9520 Mar 03 05:42	0° \approx	
behind sun end	9517 Aug 20 19:36	6° \mathbb{M} 03'24		morning max el	9520 Mar 20 03:08	15° \approx 39'30	46°33'35
max. Earth dist.	9517 Aug 22 23:29	8° \mathbb{M} 44'24	1.72496 AU		9520 Apr 02 21:30	0° \mathcal{H}	
	9517 Sep 09 03:09	0° \mathcal{L}			9520 Apr 29 12:55	0° Υ	
evening rise	9517 Sep 26 21:29	21° \mathcal{L} 57'27		desc. node	9520 May 21 08:34	25° Υ 48'57	
	9517 Oct 03 10:02	0° \mathbb{M}			9520 May 24 20:07	0° \mathcal{B}	
	9517 Oct 27 20:03	0° \mathcal{A}			9520 Jun 18 12:38	0° \mathbb{I}	
	9517 Nov 21 10:31	0° \mathcal{Z}			9520 Jul 12 22:32	0° \mathcal{G}	
desc. node	9517 Dec 04 09:54	15° \mathcal{Z} 42'39			9520 Aug 06 06:14	0° \mathcal{Q}	
	9517 Dec 16 06:32	0° \approx			9520 Aug 30 13:43	0° \mathbb{M}	
	9518 Jan 10 09:09	0° \mathcal{H}		asc. node	9520 Sep 11 04:30	14° \mathbb{M} 19'45	
	9518 Feb 04 21:09	0° Υ		morning set	9520 Sep 21 16:46	27° \mathbb{M} 17'50	
	9518 Mar 03 04:23	0° \mathcal{B}			9520 Sep 23 21:20	0° \mathcal{L}	
evening max el	9518 Mar 26 18:17	25° \mathcal{B} 05'46	46°50'57		9520 Oct 18 04:55	0° \mathbb{M}	
asc. node	9518 Mar 27 09:25	25° \mathcal{B} 43'38					
	9518 Mar 31 17:44	0° \mathbb{I}		superior conj	9520 Oct 28 18:15	13° \mathbb{M} 01'22	1°23'46
greatest brilliancy	9518 May 06 08:42	25° \mathbb{I} 59'07	-4.9m	minimum elong	9520 Oct 28 13:56	12° \mathbb{M} 48'03	1°23'57
retrograde	9518 May 16 04:05	27° \mathbb{I} 48'05		max. Earth dist.	9520 Oct 29 06:54	13° \mathbb{M} 40'23	1.73239 AU
evening set	9518 Jun 02 18:14	21° \mathbb{I} 50'24			9520 Nov 11 12:37	0° \mathcal{A}	
inferior conj	9518 Jun 05 19:42	19° \mathbb{I} 58'34	8°27'50	evening rise	9520 Dec 04 09:51	28° \mathcal{A} 11'35	
minimum elong	9518 Jun 06 04:03	19° \mathbb{I} 45'46	8°26'27		9520 Dec 05 21:05	0° \mathcal{Z}	
min. Earth dist.	9518 Jun 05 23:07	19° \mathbb{I} 53'19	0.27147 AU		9520 Dec 30 06:48	0° \approx	
morning rise	9518 Jun 09 13:56	17° \mathbb{I} 42'19		desc. node	9520 Dec 31 21:51	1° \approx 59'50	
direct	9518 Jun 26 12:39	12° \mathbb{I} 10'51			9521 Jan 23 17:38	0° \mathcal{H}	
greatest brilliancy	9518 Jul 06 06:16	13° \mathbb{I} 58'16	-4.9m		9521 Feb 17 05:25	0° Υ	
desc. node	9518 Jul 17 06:08	19° \mathbb{I} 29'17			9521 Mar 13 19:18	0° \mathcal{B}	
	9518 Jul 31 06:01	0° \mathcal{G}			9521 Apr 07 15:20	0° \mathbb{I}	
morning max el	9518 Aug 15 13:03	14° \mathcal{G} 08'41	46°27'03	asc. node	9521 Apr 23 20:16	19° \mathbb{I} 13'13	
	9518 Aug 30 23:21	0° \mathcal{Q}			9521 May 03 02:39	0° \mathcal{G}	
	9518 Sep 27 03:37	0° \mathbb{M}			9521 May 30 02:54	0° \mathcal{Q}	
	9518 Oct 23 02:56	0° \mathcal{L}		evening max el	9521 Jun 07 08:39	8° \mathcal{Q} 29'37	46°47'28
asc. node	9518 Nov 07 03:49	17° \mathcal{L} 44'55			9521 Jul 01 12:24	0° \mathbb{M}	
	9518 Nov 17 10:26	0° \mathbb{M}		greatest brilliancy	9521 Jul 16 20:00	8° \mathbb{M} 51'30	-4.8m
	9518 Dec 12 07:09	0° \mathcal{A}		retrograde	9521 Jul 27 15:36	11° \mathbb{M} 02'14	
	9519 Jan 05 20:18	0° \mathcal{Z}		evening set	9521 Aug 11 10:47	6° \mathbb{M} 45'07	
	9519 Jan 30 04:19	0° \approx		desc. node	9521 Aug 13 17:26	5° \mathbb{M} 27'43	
morning set	9519 Feb 10 08:56	13° \approx 52'05		min. Earth dist.	9521 Aug 17 05:36	3° \mathbb{M} 19'51	0.27761 AU
	9519 Feb 23 08:35	0° \mathcal{H}		inferior conj	9521 Aug 17 18:41	2° \mathbb{M} 59'33	-1°01'09
desc. node	9519 Feb 26 20:36	4° \mathcal{H} 21'29		minimum elong	9521 Aug 17 16:21	3° \mathbb{M} 03'10	1°00'35
max. Earth dist.	9519 Mar 18 20:10	29° \mathcal{H} 17'33	1.71722 AU		9521 Aug 22 18:05	30° \mathcal{R} \mathcal{Q}	
	9519 Mar 19 09:45	0° Υ		morning rise	9521 Aug 23 22:32	29° \mathcal{Q} 20'35	
				direct	9521 Sep 07 18:38	25° \mathcal{Q} 05'20	

greatest brilliancy	9521 Sep 17 11:44	26° Ω 47'58	-4.8m		9524 Mar 27 09:20	0° \mathcal{B}	
	9521 Sep 24 18:26	0° \mathfrak{M}			9524 Apr 20 12:11	0° \mathbb{I}	
morning max el	9521 Oct 26 14:03	25° \mathfrak{M} 00'11	45°46'43		9524 May 14 18:37	0° \mathfrak{G}	
	9521 Oct 31 17:09	0° \mathfrak{L}		asc. node	9524 May 21 07:39	8° \mathfrak{G} 01'42	
	9521 Nov 29 02:32	0° \mathfrak{M}			9524 Jun 08 09:14	0° Ω	
asc. node	9521 Dec 04 16:14	6° \mathfrak{M} 13'13			9524 Jul 03 15:12	0° \mathfrak{M}	
	9521 Dec 25 09:54	0° \mathcal{A}			9524 Jul 30 03:59	0° \mathfrak{L}	
	9522 Jan 19 17:10	0° \mathfrak{Z}		evening max el	9524 Aug 17 10:16	18° \mathfrak{L} 59'44	46°06'50
	9522 Feb 13 10:42	0° \approx			9524 Aug 29 04:52	0° \mathfrak{M}	
	9522 Mar 09 19:46	0° \mathcal{H}		desc. node	9524 Sep 10 04:24	9° \mathfrak{M} 37'12	
desc. node	9522 Mar 26 09:17	20° \mathcal{H} 33'23		greatest brilliancy	9524 Sep 25 03:49	17° \mathfrak{M} 59'26	-4.8m
	9522 Apr 02 23:08	0° \mathcal{Y}		retrograde	9524 Oct 05 22:15	20° \mathfrak{M} 05'53	
morning set	9522 Apr 25 22:18	28° \mathcal{Y} 44'01		evening set	9524 Oct 23 16:34	14° \mathfrak{M} 06'36	
	9522 Apr 26 22:32	0° \mathcal{B}		inferior conj	9524 Oct 27 10:38	11° \mathfrak{M} 47'11	-8°23'28
	9522 May 20 19:44	0° \mathbb{I}		minimum elong	9524 Oct 27 05:42	11° \mathfrak{M} 54'56	8°22'54
				min. Earth dist.	9524 Oct 27 01:59	12° \mathfrak{M} 00'46	0.29074 AU
superior conj	9522 Jun 05 09:41	19° \mathbb{I} 35'05	-1°20'36	morning rise	9524 Oct 30 18:58	9° \mathfrak{M} 42'48	
minimum elong	9522 Jun 05 18:21	20° \mathbb{I} 02'18	1°20'46	direct	9524 Nov 17 22:20	3° \mathfrak{M} 32'31	
max. Earth dist.	9522 Jun 06 21:35	21° \mathbb{I} 27'49	1.71349 AU	greatest brilliancy	9524 Nov 28 02:01	5° \mathfrak{M} 25'05	-4.7m
	9522 Jun 13 16:47	0° \mathfrak{G}		asc. node	9525 Jan 01 03:55	29° \mathfrak{M} 20'40	
	9522 Jul 07 15:38	0° Ω			9525 Jan 01 20:43	0° \mathcal{A}	
evening rise	9522 Jul 15 14:21	9° Ω 55'02		morning max el	9525 Jan 06 00:23	3° \mathcal{A} 58'12	45°49'52
asc. node	9522 Jul 17 05:28	11° Ω 56'54			9525 Jan 30 21:58	0° \mathfrak{Z}	
	9522 Jul 31 17:42	0° \mathfrak{M}			9525 Feb 26 05:03	0° \approx	
	9522 Aug 25 00:02	0° \mathfrak{L}			9525 Mar 23 09:15	0° \mathcal{H}	
	9522 Sep 18 12:07	0° \mathfrak{M}			9525 Apr 16 23:23	0° \mathcal{Y}	
	9522 Oct 13 08:42	0° \mathcal{A}		desc. node	9525 Apr 22 22:01	7° \mathcal{Y} 19'24	
desc. node	9522 Nov 06 00:26	27° \mathcal{A} 58'30			9525 May 11 05:17	0° \mathcal{B}	
	9522 Nov 07 18:06	0° \mathfrak{Z}			9525 Jun 04 06:39	0° \mathbb{I}	
	9522 Dec 03 23:35	0° \approx			9525 Jun 28 06:29	0° \mathfrak{G}	
	9522 Dec 31 19:14	0° \mathcal{H}		morning set	9525 Jul 10 03:13	14° \mathfrak{G} 49'30	
evening max el	9523 Jan 10 10:58	9° \mathcal{H} 39'42	46°09'23		9525 Jul 22 07:01	0° Ω	
	9523 Feb 02 22:35	0° \mathcal{Y}		asc. node	9525 Aug 13 17:44	27° Ω 56'48	
greatest brilliancy	9523 Feb 19 04:04	9° \mathcal{Y} 01'21	-4.8m		9525 Aug 15 09:23	0° \mathfrak{M}	
asc. node	9523 Feb 27 00:29	10° \mathcal{Y} 45'15					
retrograde	9523 Mar 01 00:10	10° \mathcal{Y} 49'57		superior conj	9525 Aug 18 00:30	3° \mathfrak{M} 16'02	0°10'24
evening set	9523 Mar 16 00:49	6° \mathcal{Y} 24'04		minimum elong	9525 Aug 17 22:07	3° \mathfrak{M} 08'39	0°10'06
inferior conj	9523 Mar 21 18:05	3° \mathcal{Y} 00'57	5°27'52	behind sun begin	9525 Aug 17 03:11	2° \mathfrak{M} 09'51	
minimum elong	9523 Mar 21 07:37	3° \mathcal{Y} 17'03	5°25'09	behind sun end	9525 Aug 18 17:03	4° \mathfrak{M} 07'27	
min. Earth dist.	9523 Mar 21 17:25	3° \mathcal{Y} 01'58	0.27237 AU	max. Earth dist.	9525 Aug 20 18:03	6° \mathfrak{M} 39'36	1.72455 AU
morning rise	9523 Mar 26 14:09	0° \mathcal{Y} 06'37			9525 Sep 08 13:54	0° \mathfrak{L}	
	9523 Mar 26 18:49	30° \mathcal{R} \mathcal{H}		evening rise	9525 Sep 24 14:11	19° \mathfrak{L} 47'40	
direct	9523 Apr 11 12:29	25° \mathcal{H} 07'06			9525 Oct 02 20:49	0° \mathfrak{M}	
greatest brilliancy	9523 Apr 21 14:46	27° \mathcal{H} 02'28	-4.9m		9525 Oct 27 07:01	0° \mathcal{A}	
	9523 Apr 28 02:12	0° \mathcal{Y}			9525 Nov 20 21:48	0° \mathfrak{Z}	
morning max el	9523 Jun 01 01:07	27° \mathcal{Y} 58'39	46°59'20	desc. node	9525 Dec 03 11:59	15° \mathfrak{Z} 14'10	
	9523 Jun 03 01:01	0° \mathcal{B}			9525 Dec 15 18:21	0° \approx	
desc. node	9523 Jun 18 20:42	16° \mathcal{B} 48'19			9526 Jan 09 21:47	0° \mathcal{H}	
	9523 Jun 30 16:17	0° \mathbb{I}			9526 Feb 04 11:12	0° \mathcal{Y}	
	9523 Jul 26 12:53	0° \mathfrak{G}			9526 Mar 02 21:19	0° \mathcal{B}	
	9523 Aug 20 17:26	0° Ω		evening max el	9526 Mar 24 08:16	22° \mathcal{B} 43'34	46°49'54
	9523 Sep 14 14:54	0° \mathfrak{M}		asc. node	9526 Mar 26 11:19	24° \mathcal{B} 50'39	
	9523 Oct 09 08:07	0° \mathfrak{L}			9526 Mar 31 19:16	0° \mathbb{I}	
asc. node	9523 Oct 09 17:10	0° \mathfrak{L} 27'33		greatest brilliancy	9526 May 03 22:06	23° \mathbb{I} 34'26	-4.9m
	9523 Nov 02 21:39	0° \mathfrak{M}		retrograde	9526 May 13 17:00	25° \mathbb{I} 22'36	
	9523 Nov 27 07:53	0° \mathcal{A}		evening set	9526 May 31 10:16	19° \mathbb{I} 20'50	
morning set	9523 Nov 30 11:05	3° \mathcal{A} 51'26		inferior conj	9526 Jun 03 08:36	17° \mathbb{I} 33'28	8°37'01
	9523 Dec 21 15:45	0° \mathfrak{Z}		minimum elong	9526 Jun 03 16:14	17° \mathbb{I} 21'43	8°35'49
max. Earth dist.	9524 Jan 04 17:20	17° \mathfrak{Z} 22'53	1.72916 AU	min. Earth dist.	9526 Jun 03 11:44	17° \mathbb{I} 28'39	0.27146 AU
				morning rise	9526 Jun 06 22:16	15° \mathbb{I} 23'39	
superior conj	9524 Jan 06 07:35	19° \mathfrak{Z} 21'08	0°52'07	direct	9526 Jun 24 01:43	9° \mathbb{I} 45'57	
minimum elong	9524 Jan 06 17:06	19° \mathfrak{Z} 50'34	0°52'04	greatest brilliancy	9526 Jul 03 18:32	11° \mathbb{I} 32'28	-4.9m
	9524 Jan 14 22:07	0° \approx		desc. node	9526 Jul 16 08:08	18° \mathbb{I} 04'39	
desc. node	9524 Jan 29 10:04	17° \approx 57'10			9526 Jul 31 13:25	0° \mathfrak{G}	
	9524 Feb 08 03:14	0° \mathcal{H}		morning max el	9526 Aug 13 02:04	11° \mathfrak{G} 45'40	46°28'36
evening rise	9524 Feb 13 16:27	6° \mathcal{H} 53'18			9526 Aug 30 17:34	0° Ω	
	9524 Mar 03 06:53	0° \mathcal{Y}			9526 Sep 26 18:04	0° \mathfrak{M}	

	9526 Oct 22 15:37	0°♎		evening max el	9529 Jun 04 21:59	6°♏07'47	46°48'36
asc. node	9526 Nov 06 05:53	17°♎15'08			9529 Jul 02 08:49	0°♐	
	9526 Nov 16 22:09	0°♐		greatest brilliancy	9529 Jul 14 11:47	6°♐35'13	-4.8m
	9526 Dec 11 18:21	0°♑		retrograde	9529 Jul 25 06:28	8°♐45'37	
	9527 Jan 05 07:13	0°♒		evening set	9529 Aug 09 01:45	4°♐27'58	
	9527 Jan 29 15:05	0°♓		desc. node	9529 Aug 12 19:19	2°♐18'36	
morning set	9527 Feb 07 23:33	11°♓35'18		inferior conj	9529 Aug 15 09:15	0°♐43'29	-0°39'01
	9527 Feb 22 19:17	0°♈		minimum elong	9529 Aug 15 07:45	0°♐45'48	0°38'44
desc. node	9527 Feb 25 22:29	3°♈54'00		min. Earth dist.	9529 Aug 14 21:06	1°♐02'17	0.27720 AU
max. Earth dist.	9527 Mar 16 05:18	26°♈42'42	1.71758 AU		9529 Aug 16 13:26	30°♐♌	
	9527 Mar 18 20:26	0°♉		morning rise	9529 Aug 21 14:19	27°♏03'07	
				direct	9529 Sep 05 08:19	22°♏49'31	
superior conj	9527 Mar 19 10:56	0°♉45'19	-0°49'22	greatest brilliancy	9529 Sep 15 02:45	24°♏33'22	-4.8m
minimum elong	9527 Mar 19 00:24	0°♉12'22	0°48'54		9529 Sep 26 06:38	0°♐	
	9527 Apr 11 19:08	0°♊		morning max el	9529 Oct 24 04:52	22°♐46'56	45°47'30
evening rise	9527 Apr 28 11:08	20°♊55'05			9529 Oct 31 13:24	0°♎	
	9527 May 05 16:45	0°♋			9529 Nov 28 17:21	0°♐	
	9527 May 29 15:20	0°♌		asc. node	9529 Dec 03 18:11	5°♐38'35	
asc. node	9527 Jun 18 19:20	25°♌08'30			9529 Dec 24 22:39	0°♑	
	9527 Jun 22 17:16	0°♍			9530 Jan 19 04:55	0°♒	
	9527 Jul 17 01:04	0°♎			9530 Feb 12 21:55	0°♓	
	9527 Aug 10 18:01	0°♏			9530 Mar 09 06:43	0°♈	
	9527 Sep 05 02:06	0°♐		desc. node	9530 Mar 25 11:12	20°♈05'34	
	9527 Oct 01 14:07	0°♑			9530 Apr 02 09:56	0°♉	
desc. node	9527 Oct 08 15:19	7°♑37'25		morning set	9530 Apr 23 08:56	26°♉13'12	
evening max el	9527 Oct 28 09:40	27°♑44'03	45°44'23		9530 Apr 26 09:15	0°♊	
	9527 Oct 30 18:56	0°♒			9530 May 20 06:22	0°♋	
greatest brilliancy	9527 Dec 06 13:54	25°♒52'59	-4.7m				
retrograde	9527 Dec 16 02:34	27°♒31'55		superior conj	9530 Jun 02 21:18	17°♋07'29	-1°22'05
evening set	9528 Jan 01 09:09	22°♒29'53		minimum elong	9530 Jun 03 05:14	17°♋32'26	1°22'16
inferior conj	9528 Jan 06 09:14	19°♒27'32	-5°20'23	max. Earth dist.	9530 Jun 04 04:17	18°♋44'49	1.71327 AU
minimum elong	9528 Jan 06 18:59	19°♒12'16	5°17'42		9530 Jun 13 03:22	0°♌	
min. Earth dist.	9528 Jan 07 03:57	18°♒58'14	0.28427 AU		9530 Jul 07 02:12	0°♍	
morning rise	9528 Jan 12 04:17	15°♒56'59		evening rise	9530 Jul 13 03:25	7°♍33'13	
direct	9528 Jan 27 16:52	11°♒15'05		asc. node	9530 Jul 16 07:18	11°♍29'42	
asc. node	9528 Jan 29 15:16	11°♒19'29			9530 Jul 31 04:19	0°♎	
greatest brilliancy	9528 Feb 07 19:25	13°♒31'06	-4.8m		9530 Aug 24 10:47	0°♏	
	9528 Mar 03 12:31	0°♓			9530 Sep 17 23:11	0°♐	
morning max el	9528 Mar 17 17:13	13°♓20'16	46°32'14		9530 Oct 12 20:21	0°♑	
	9528 Apr 02 15:10	0°♈		desc. node	9530 Nov 05 02:28	27°♑27'41	
	9528 Apr 29 03:08	0°♉			9530 Nov 07 06:48	0°♒	
desc. node	9528 May 20 10:37	25°♉16'26			9530 Dec 03 14:22	0°♓	
	9528 May 24 08:50	0°♊			9530 Dec 31 15:02	0°♈	
	9528 Jun 18 00:31	0°♋		evening max el	9531 Jan 08 01:42	7°♈23'46	46°08'01
	9528 Jul 12 09:54	0°♌			9531 Feb 03 21:20	0°♉	
	9528 Aug 05 17:14	0°♍		greatest brilliancy	9531 Feb 16 16:33	6°♉38'35	-4.8m
	9528 Aug 30 00:28	0°♎		asc. node	9531 Feb 26 02:26	8°♉27'27	
asc. node	9528 Sep 10 06:24	13°♎52'43		retrograde	9531 Feb 26 13:52	8°♉27'43	
morning set	9528 Sep 19 08:52	25°♎06'46		evening set	9531 Mar 13 11:32	4°♉05'06	
	9528 Sep 23 07:55	0°♏		inferior conj	9531 Mar 19 07:20	0°♉38'17	5°08'23
	9528 Oct 17 15:24	0°♐		minimum elong	9531 Mar 18 21:13	0°♉53'51	5°05'42
				min. Earth dist.	9531 Mar 19 06:52	0°♉39'01	0.27254 AU
superior conj	9528 Oct 26 11:36	10°♐54'37	1°22'58		9531 Mar 20 08:14	30°♉♈	
minimum elong	9528 Oct 26 06:39	10°♐39'20	1°23'06	morning rise	9531 Mar 24 06:42	27°♈39'26	
max. Earth dist.	9528 Oct 26 23:35	11°♐31'36	1.73231 AU	direct	9531 Apr 09 02:36	22°♈44'06	
	9528 Nov 10 23:05	0°♑		greatest brilliancy	9531 Apr 19 04:45	24°♈39'46	-4.9m
evening rise	9528 Dec 02 02:29	26°♑02'39			9531 Apr 29 16:37	0°♉	
	9528 Dec 05 07:39	0°♒		morning max el	9531 May 29 15:58	25°♉39'03	46°59'28
	9528 Dec 29 17:34	0°♓			9531 Jun 02 22:14	0°♊	
desc. node	9528 Dec 30 23:44	1°♓32'33		desc. node	9531 Jun 17 22:35	16°♊05'34	
	9529 Jan 23 04:43	0°♈			9531 Jun 30 07:53	0°♋	
	9529 Feb 16 16:57	0°♉			9531 Jul 26 02:14	0°♌	
	9529 Mar 13 07:27	0°♊			9531 Aug 20 05:34	0°♍	
	9529 Apr 07 04:28	0°♋			9531 Sep 14 02:17	0°♎	
asc. node	9529 Apr 22 22:22	18°♋38'04		asc. node	9531 Oct 08 19:12	0°♏00'33	
	9529 May 02 17:36	0°♌			9531 Oct 08 19:01	0°♐	
	9529 May 29 22:24	0°♍			9531 Nov 02 08:15	0°♑	

	9531 Nov 26 18:21	0°♊		evening set	9534 May 29 02:05	16°♊51'30	
morning set	9531 Nov 28 04:30	1°♊45'07		inferior conj	9534 May 31 21:30	15°♊08'25	8°45'17
	9531 Dec 21 02:11	0°♊		minimum elong	9534 Jun 01 04:22	14°♊57'50	8°44'15
max. Earth dist.	9532 Jan 02 12:15	15°♊20'37	1.72945 AU	min. Earth dist.	9534 Jun 01 00:40	15°♊03'32	0.27143 AU
				morning rise	9534 Jun 04 06:41	13°♊04'56	
superior conj	9532 Jan 03 23:42	17°♊10'09	0°54'47	direct	9534 Jun 21 14:10	7°♊20'54	
minimum elong	9532 Jan 04 09:22	17°♊40'04	0°54'45	greatest brilliancy	9534 Jul 01 07:20	9°♊07'14	-4.9m
	9532 Jan 14 08:37	0°♊		desc. node	9534 Jul 15 10:05	16°♊42'46	
desc. node	9532 Jan 28 11:55	17°♊30'14			9534 Jul 31 18:34	0°♊	
	9532 Feb 07 13:51	0°♊		morning max el	9534 Aug 10 14:34	9°♊21'19	46°30'14
evening rise	9532 Feb 11 06:51	4°♊36'04			9534 Aug 30 11:16	0°♊	
	9532 Mar 02 17:40	0°♊			9534 Sep 26 08:16	0°♊	
	9532 Mar 26 20:21	0°♊			9534 Oct 22 04:09	0°♊	
	9532 Apr 19 23:31	0°♊		asc. node	9534 Nov 05 07:48	16°♊45'13	
asc. node	9532 May 14 06:25	0°♊			9534 Nov 16 09:46	0°♊	
	9532 May 20 09:37	7°♊31'10			9534 Dec 11 05:26	0°♊	
	9532 Jun 07 21:45	0°♊			9535 Jan 04 18:03	0°♊	
	9532 Jul 03 05:04	0°♊			9535 Jan 29 01:49	0°♊	
	9532 Jul 29 20:56	0°♊		morning set	9535 Feb 05 14:26	9°♊19'23	
evening max el	9532 Aug 15 02:45	16°♊49'27	46°08'21		9535 Feb 22 06:01	0°♊	
	9532 Aug 29 09:20	0°♊		desc. node	9535 Feb 25 00:30	3°♊26'51	
desc. node	9532 Sep 09 06:29	8°♊26'58		max. Earth dist.	9535 Mar 13 15:39	24°♊11'26	1.71805 AU
greatest brilliancy	9532 Sep 22 19:14	15°♊49'47	-4.8m				
retrograde	9532 Oct 03 14:50	17°♊56'56		superior conj	9535 Mar 16 23:26	28°♊20'39	-0°46'10
evening set	9532 Oct 21 06:15	12°♊01'55		minimum elong	9535 Mar 16 13:20	27°♊49'08	0°45'42
min. Earth dist.	9532 Oct 24 16:53	9°♊54'08	0.29052 AU		9535 Mar 18 07:13	0°♊	
inferior conj	9532 Oct 25 02:56	9°♊38'21	-8°18'20		9535 Apr 11 06:01	0°♊	
minimum elong	9532 Oct 24 21:20	9°♊47'09	8°17'40	evening rise	9535 Apr 25 22:16	18°♊25'05	
morning rise	9532 Oct 28 12:36	7°♊31'53			9535 May 05 03:43	0°♊	
direct	9532 Nov 15 14:57	1°♊24'26			9535 May 29 02:25	0°♊	
greatest brilliancy	9532 Nov 25 16:13	3°♊14'54	-4.7m	asc. node	9535 Jun 17 21:11	24°♊39'23	
asc. node	9532 Dec 31 05:51	28°♊30'22			9535 Jun 22 04:33	0°♊	
	9533 Jan 01 19:33	0°♊			9535 Jul 16 12:41	0°♊	
morning max el	9533 Jan 03 15:48	1°♊46'41	45°48'42		9535 Aug 10 06:16	0°♊	
	9533 Jan 30 13:34	0°♊			9535 Sep 04 15:31	0°♊	
	9533 Feb 25 18:19	0°♊			9535 Oct 01 06:06	0°♊	
	9533 Mar 22 21:26	0°♊		desc. node	9535 Oct 07 17:23	6°♊57'30	
	9533 Apr 16 10:59	0°♊		evening max el	9535 Oct 25 23:37	25°♊29'02	45°44'33
desc. node	9533 Apr 22 00:04	6°♊50'13			9535 Oct 30 18:52	0°♊	
	9533 May 10 16:31	0°♊		greatest brilliancy	9535 Dec 04 04:59	23°♊41'14	-4.7m
	9533 Jun 03 17:39	0°♊		retrograde	9535 Dec 13 17:39	25°♊20'30	
	9533 Jun 27 17:19	0°♊		evening set	9535 Dec 30 03:24	20°♊13'42	
morning set	9533 Jul 07 16:26	12°♊27'17		inferior conj	9536 Jan 04 00:54	17°♊15'15	-5°36'26
	9533 Jul 21 17:43	0°♊		minimum elong	9536 Jan 04 10:50	16°♊59'42	5°33'47
asc. node	9533 Aug 12 19:41	27°♊29'55		min. Earth dist.	9536 Jan 04 19:46	16°♊45'44	0.28479 AU
	9533 Aug 14 20:00	0°♊		morning rise	9536 Jan 09 17:42	13°♊47'51	
				direct	9536 Jan 25 08:18	9°♊01'59	
superior conj	9533 Aug 15 15:12	0°♊59'39	0°06'51	asc. node	9536 Jan 28 17:14	9°♊15'14	
minimum elong	9533 Aug 15 13:38	0°♊54'47	0°06'35	greatest brilliancy	9536 Feb 05 12:04	11°♊18'49	-4.8m
behind sun begin	9533 Aug 14 15:24	29°♊45'45			9536 Mar 03 17:10	0°♊	
behind sun end	9533 Aug 16 11:51	2°♊03'49		morning max el	9536 Mar 15 08:23	11°♊03'41	46°30'36
max. Earth dist.	9533 Aug 18 11:57	4°♊33'13	1.72410 AU		9536 Apr 02 08:35	0°♊	
	9533 Sep 08 00:26	0°♊			9536 Apr 28 17:28	0°♊	
evening rise	9533 Sep 22 07:06	17°♊39'07		desc. node	9536 May 19 12:28	24°♊42'32	
	9533 Oct 02 07:23	0°♊			9536 May 23 21:46	0°♊	
	9533 Oct 26 17:45	0°♊			9536 Jun 17 12:41	0°♊	
	9533 Nov 20 08:53	0°♊			9536 Jul 11 21:32	0°♊	
desc. node	9533 Dec 02 13:54	14°♊45'51			9536 Aug 05 04:29	0°♊	
	9533 Dec 15 06:00	0°♊			9536 Aug 29 11:26	0°♊	
	9534 Jan 09 10:21	0°♊		asc. node	9536 Sep 09 08:24	13°♊25'16	
	9534 Feb 04 01:20	0°♊		morning set	9536 Sep 17 00:53	22°♊54'39	
	9534 Mar 02 14:38	0°♊			9536 Sep 22 18:43	0°♊	
evening max el	9534 Mar 21 21:23	20°♊19'03	46°48'48		9536 Oct 17 02:07	0°♊	
asc. node	9534 Mar 25 13:27	23°♊56'57					
	9534 Mar 31 22:22	0°♊		superior conj	9536 Oct 24 05:04	8°♊47'28	1°22'02
greatest brilliancy	9534 May 01 12:06	21°♊10'13	-4.9m	minimum elong	9536 Oct 23 23:29	8°♊30'15	1°22'09
retrograde	9534 May 11 05:29	22°♊57'05		max. Earth dist.	9536 Oct 24 17:40	9°♊26'20	1.73222 AU

	9536 Nov 10 09:48	0°♈	min. Earth dist.	9539 Mar 16 20:44	28°♎16'14	0.27268 AU
evening rise	9536 Nov 29 19:32	23°♈54'18	morning rise	9539 Mar 21 23:24	25°♎12'37	
	9536 Dec 04 18:26	0°♊	direct	9539 Apr 06 17:03	20°♎21'40	
	9536 Dec 29 04:32	0°♋	greatest brilliancy	9539 Apr 16 18:52	22°♎17'10	-4.9m
desc. node	9536 Dec 30 01:40	1°♋04'47		9539 Apr 30 19:34	0°♏	
	9537 Jan 22 16:00	0°♋	morning max el	9539 May 27 06:19	23°♏17'38	46°59'17
	9537 Feb 16 04:42	0°♌		9539 Jun 02 18:57	0°♏	
	9537 Mar 12 19:54	0°♌	desc. node	9539 Jun 17 00:35	15°♏22'48	
	9537 Apr 06 18:00	0°♍		9539 Jun 29 23:33	0°♍	
asc. node	9537 Apr 22 00:15	18°♍00'51		9539 Jul 25 15:52	0°♎	
	9537 May 02 09:13	0°♎		9539 Aug 19 18:07	0°♎	
	9537 May 29 19:09	0°♎		9539 Sep 13 14:09	0°♏	
evening max el	9537 Jun 02 12:10	3°♎46'29 46°49'34	asc. node	9539 Oct 07 21:07	29°♏31'43	
	9537 Jul 03 14:24	0°♏		9539 Oct 08 06:24	0°♏	
greatest brilliancy	9537 Jul 12 02:56	4°♏15'57 -4.8m		9539 Nov 01 19:18	0°♐	
retrograde	9537 Jul 22 21:34	6°♏26'25	morning set	9539 Nov 25 21:41	29°♐36'52	
evening set	9537 Aug 06 16:36	2°♏08'02		9539 Nov 26 05:13	0°♈	
	9537 Aug 10 09:20	30°♏08'02		9539 Dec 20 13:00	0°♊	
desc. node	9537 Aug 11 21:23	29°♏05'00	max. Earth dist.	9539 Dec 31 05:47	13°♊12'58	1.72970 AU
inferior conj	9537 Aug 12 23:27	28°♏24'48 -0°16'28				
minimum elong	9537 Aug 12 22:49	28°♏25'47 0°16'28	superior conj	9540 Jan 01 15:52	14°♊58'17	0°57'23
transit middle	9537 Aug 12 22:49	28°♏25'47 0°16'28	minimum elong	9540 Jan 02 01:37	15°♊28'26	0°57'20
transit begin	9537 Aug 12 22:38	28°♏26'04		9540 Jan 13 19:30	0°♋	
transit end	9537 Aug 12 23:00	28°♏25'30	desc. node	9540 Jan 27 13:57	17°♋02'43	
min. Earth dist.	9537 Aug 12 12:01	28°♏42'27 0.27677 AU		9540 Feb 07 00:51	0°♋	
morning rise	9537 Aug 19 05:36	24°♏43'29	evening rise	9540 Feb 08 21:27	2°♋18'16	
direct	9537 Sep 02 22:00	20°♏31'14		9540 Mar 02 04:49	0°♌	
greatest brilliancy	9537 Sep 12 16:52	22°♏15'49 -4.8m		9540 Mar 26 07:41	0°♌	
	9537 Sep 27 09:04	0°♏		9540 Apr 19 11:09	0°♍	
morning max el	9537 Oct 21 20:19	20°♏33'56 45°48'27		9540 May 13 18:32	0°♎	
	9537 Oct 31 09:27	0°♏	asc. node	9540 May 19 11:31	6°♎59'33	
	9537 Nov 28 08:20	0°♐		9540 Jun 07 10:40	0°♎	
asc. node	9537 Dec 02 20:02	5°♐02'53		9540 Jul 02 19:27	0°♏	
	9537 Dec 24 11:37	0°♈		9540 Jul 29 14:45	0°♏	
	9538 Jan 18 16:54	0°♊	evening max el	9540 Aug 12 18:35	14°♏35'51	46°09'33
	9538 Feb 12 09:24	0°♋		9540 Aug 29 16:49	0°♐	
	9538 Mar 08 17:55	0°♋	desc. node	9540 Sep 08 08:30	7°♐12'30	
desc. node	9538 Mar 24 13:15	19°♋37'22	greatest brilliancy	9540 Sep 20 11:03	13°♐38'15	-4.8m
	9538 Apr 01 21:01	0°♌	retrograde	9540 Oct 01 06:39	15°♐45'24	
morning set	9538 Apr 20 19:54	23°♌42'38	evening set	9540 Oct 18 19:27	9°♐55'13	
	9538 Apr 25 20:16	0°♌	inferior conj	9540 Oct 22 18:57	7°♐27'14	-8°12'20
	9538 May 19 17:21	0°♍	minimum elong	9540 Oct 22 12:44	7°♐37'01	8°11'33
			min. Earth dist.	9540 Oct 22 08:00	7°♐44'27	0.29025 AU
superior conj	9538 May 31 08:44	14°♍38'01 -1°23'24	morning rise	9540 Oct 26 06:12	5°♐18'12	
minimum elong	9538 May 31 15:51	15°♍00'22 1°23'36		9540 Nov 07 01:32	30°♐02'54	-4.7m
max. Earth dist.	9538 Jun 01 13:12	16°♍07'29 1.71316 AU	direct	9540 Nov 13 06:54	29°♐14'05	
	9538 Jun 12 14:21	0°♎		9540 Nov 19 16:30	0°♑	
	9538 Jul 06 13:14	0°♎	greatest brilliancy	9540 Nov 23 06:39	1°♑02'54	-4.7m
evening rise	9538 Jul 10 15:57	5°♎08'08	asc. node	9540 Dec 30 07:54	27°♑39'53	
asc. node	9538 Jul 15 09:17	11°♎01'29	morning max el	9541 Jan 01 06:07	29°♑31'09	45°47'45
	9538 Jul 30 15:25	0°♏		9541 Jan 01 17:59	0°♈	
	9538 Aug 23 22:02	0°♏		9541 Jan 30 05:19	0°♊	
	9538 Sep 17 10:44	0°♐		9541 Feb 25 07:48	0°♋	
	9538 Oct 12 08:28	0°♈		9541 Mar 22 09:52	0°♋	
desc. node	9538 Nov 04 04:22	26°♈55'04		9541 Apr 15 22:49	0°♌	
	9538 Nov 06 20:02	0°♊	desc. node	9541 Apr 21 01:51	6°♌19'30	
	9538 Dec 03 05:47	0°♋		9541 May 10 03:58	0°♌	
	9538 Dec 31 11:54	0°♋		9541 Jun 03 04:51	0°♍	
evening max el	9539 Jan 05 17:18	5°♋09'07 46°06'44		9541 Jun 27 04:21	0°♎	
	9539 Feb 05 05:18	0°♌	morning set	9541 Jul 05 05:56	10°♎05'13	
greatest brilliancy	9539 Feb 14 05:41	4°♌16'30 -4.8m		9541 Jul 21 04:38	0°♏	
retrograde	9539 Feb 24 03:35	6°♌05'33	asc. node	9541 Aug 11 21:42	27°♏02'29	
asc. node	9539 Feb 25 04:31	6°♌04'15				
evening set	9539 Mar 10 22:53	1°♌46'13	superior conj	9541 Aug 13 06:01	28°♌42'57	0°03'18
	9539 Mar 14 00:46	30°♌30'53	minimum elong	9541 Aug 13 05:17	28°♌40'38	0°03'04
inferior conj	9539 Mar 16 20:55	28°♌15'58 4°48'30	behind sun begin	9541 Aug 12 05:28	27°♌26'37	
minimum elong	9539 Mar 16 11:14	28°♌30'53 4°45'52	behind sun end	9541 Aug 14 05:06	29°♌54'40	

	9541 Aug 14 06:49	0°♍		morning max el	9544 Mar 13 00:15	8°♌48'48	46°29'03
max. Earth dist.	9541 Aug 16 04:37	2°♍22'17	1.72370 AU		9544 Apr 02 01:40	0°♋	
	9541 Sep 07 11:15	0°♌			9544 Apr 28 07:36	0°♍	
evening rise	9541 Sep 19 23:53	15°♌29'11		desc. node	9544 May 18 14:27	24°♍09'24	
	9541 Oct 01 18:17	0°♍			9544 May 23 10:34	0°♎	
	9541 Oct 26 04:51	0°♎			9544 Jun 17 00:42	0°♏	
	9541 Nov 19 20:20	0°♏			9544 Jul 11 09:03	0°♐	
desc. node	9541 Dec 01 15:48	14°♏16'25			9544 Aug 04 15:38	0°♑	
	9541 Dec 14 18:01	0°♐			9544 Aug 28 22:18	0°♒	
	9542 Jan 08 23:17	0°♑		asc. node	9544 Sep 08 10:15	12°♒57'46	
	9542 Feb 03 15:54	0°♒		morning set	9544 Sep 14 17:04	20°♒43'20	
	9542 Mar 02 08:36	0°♓			9544 Sep 22 05:24	0°♓	
evening max el	9542 Mar 19 09:47	17°♓52'14	46°47'46		9544 Oct 16 12:41	0°♔	
asc. node	9542 Mar 24 15:22	23°♓01'03					
	9542 Apr 01 03:28	0°♕		superior conj	9544 Oct 21 22:36	6°♔40'52	1°20'59
greatest brilliancy	9542 Apr 29 02:16	18°♕45'41	-4.9m	minimum elong	9544 Oct 21 16:26	6°♔21'51	1°21'04
retrograde	9542 May 08 17:59	20°♕31'28		max. Earth dist.	9544 Oct 22 14:09	7°♔28'52	1.73213 AU
evening set	9542 May 26 17:40	14°♕22'17			9544 Nov 09 20:22	0°♎	
inferior conj	9542 May 29 10:29	12°♕43'10	8°52'26	evening rise	9544 Nov 27 12:37	21°♎46'27	
minimum elong	9542 May 29 16:32	12°♕33'50	8°51'35		9544 Dec 04 05:07	0°♏	
min. Earth dist.	9542 May 29 13:52	12°♕37'57	0.27140 AU		9544 Dec 28 15:28	0°♐	
morning rise	9542 Jun 01 15:25	10°♕45'53		desc. node	9544 Dec 29 03:42	0°♑37'32	
direct	9542 Jun 19 02:21	4°♕55'25			9545 Jan 22 03:17	0°♒	
greatest brilliancy	9542 Jun 28 20:35	6°♕42'21	-4.9m		9545 Feb 15 16:27	0°♓	
desc. node	9542 Jul 14 12:06	15°♕23'22			9545 Mar 12 08:19	0°♔	
	9542 Jul 31 21:58	0°♖			9545 Apr 06 07:32	0°♕	
morning max el	9542 Aug 08 03:19	6°♖57'13	46°31'58	asc. node	9545 Apr 21 02:12	17°♕23'55	
	9542 Aug 30 04:38	0°♗			9545 May 02 00:54	0°♖	
	9542 Sep 25 22:25	0°♘			9545 May 29 16:25	0°♗	
	9542 Oct 21 16:45	0°♙		evening max el	9545 May 31 03:08	1°♗27'43	46°50'32
asc. node	9542 Nov 04 09:39	16°♙14'41			9545 Jul 05 09:06	0°♘	
	9542 Nov 15 21:32	0°♚		greatest brilliancy	9545 Jul 09 17:51	1°♘56'53	-4.9m
	9542 Dec 10 16:44	0°♛		retrograde	9545 Jul 20 12:49	4°♘07'23	
	9543 Jan 04 05:05	0°♜			9545 Aug 03 22:52	30°♘♌	
	9543 Jan 28 12:43	0°♝		evening set	9545 Aug 04 07:37	29°♘48'13	
morning set	9543 Feb 03 05:09	7°♝02'30		min. Earth dist.	9545 Aug 10 02:39	26°♘23'06	0.27634 AU
	9543 Feb 21 16:52	0°♞		inferior conj	9545 Aug 10 13:34	26°♘06'18	0°06'14
desc. node	9543 Feb 24 02:25	2°♞59'02		minimum elong	9545 Aug 10 13:47	26°♘05'57	0°05'56
max. Earth dist.	9543 Mar 11 04:54	21°♞48'59	1.71850 AU	transit middle	9545 Aug 10 13:47	26°♘05'57	0°05'56
				transit begin	9545 Aug 10 10:00	26°♘11'47	
superior conj	9543 Mar 14 11:47	25°♞55'18	-0°42'53	transit end	9545 Aug 10 17:35	26°♘00'06	
minimum elong	9543 Mar 14 02:13	25°♞25'25	0°42'24	desc. node	9545 Aug 10 23:24	25°♘51'09	
	9543 Mar 17 18:06	0°♟		morning rise	9545 Aug 16 20:36	22°♘24'15	
	9543 Apr 10 16:58	0°♠		direct	9545 Aug 31 12:04	18°♘13'18	
evening rise	9543 Apr 23 09:33	15°♠55'22		greatest brilliancy	9545 Sep 10 06:25	19°♘58'00	-4.8m
	9543 May 04 14:47	0°♑			9545 Sep 28 04:07	0°♒	
	9543 May 28 13:36	0°♒		morning max el	9545 Oct 19 11:55	18°♒27'06	45°49'27
asc. node	9543 Jun 16 23:12	24°♒10'30			9545 Oct 31 04:36	0°♓	
	9543 Jun 21 15:54	0°♑			9545 Nov 27 22:49	0°♔	
	9543 Jul 16 00:22	0°♒		asc. node	9545 Dec 01 22:07	4°♔28'53	
	9543 Aug 09 18:33	0°♓			9545 Dec 24 00:14	0°♛	
	9543 Sep 04 05:01	0°♔			9546 Jan 18 04:37	0°♜	
	9543 Sep 30 22:22	0°♕			9546 Feb 11 20:40	0°♖	
desc. node	9543 Oct 06 19:14	6°♕16'30			9546 Mar 08 04:58	0°♗	
evening max el	9543 Oct 23 14:02	23°♕15'01	45°44'35	desc. node	9546 Mar 23 15:05	19°♗08'59	
	9543 Oct 30 20:08	0°♖			9546 Apr 01 07:56	0°♘	
greatest brilliancy	9543 Dec 01 19:14	21°♖28'00	-4.7m	morning set	9546 Apr 18 06:35	21°♘11'45	
retrograde	9543 Dec 11 08:57	23°♖08'14			9546 Apr 25 07:05	0°♙	
evening set	9543 Dec 27 21:30	17°♖56'28			9546 May 19 04:07	0°♚	
inferior conj	9544 Jan 01 16:20	15°♖02'01	-5°51'59				
minimum elong	9544 Jan 02 02:25	14°♖46'17	5°49'23	superior conj	9546 May 28 19:54	12°♕08'28	-1°24'32
min. Earth dist.	9544 Jan 02 11:06	14°♖32'43	0.28533 AU	minimum elong	9546 May 29 02:08	12°♕28'02	1°24'47
morning rise	9544 Jan 07 06:47	11°♖38'10		max. Earth dist.	9546 May 29 23:36	13°♕35'30	1.71300 AU
direct	9544 Jan 23 00:03	6°♖47'58			9546 Jun 12 01:05	0°♖	
asc. node	9544 Jan 27 19:17	7°♖14'42			9546 Jul 05 23:59	0°♗	
greatest brilliancy	9544 Feb 03 04:17	9°♖05'30	-4.8m	evening rise	9546 Jul 08 04:18	2°♗43'21	
	9544 Mar 03 20:13	0°♘		asc. node	9546 Jul 14 11:16	10°♗34'08	

	9546 Jul 30 02:15	0°♎		9549 Jan 01 15:02	0°♊
	9546 Aug 23 09:01	0°♏		9549 Jan 29 20:22	0°♊
	9546 Sep 16 22:01	0°♎		9549 Feb 24 20:44	0°♏
	9546 Oct 11 20:19	0°♊		9549 Mar 21 21:48	0°♋
desc. node	9546 Nov 03 06:22	26°♊23'39		9549 Apr 15 10:13	0°♎
	9546 Nov 06 09:00	0°♊	desc. node	9549 Apr 20 03:50	5°♎50'34
	9546 Dec 02 21:03	0°♏		9549 May 09 15:05	0°♋
	9546 Dec 31 09:08	0°♋		9549 Jun 02 15:47	0°♏
evening max el	9547 Jan 03 08:18	2°♋54'00 46°05'12		9549 Jun 26 15:08	0°♏
	9547 Feb 07 04:16	0°♎	morning set	9549 Jul 02 18:50	7°♏41'59
greatest brilliancy	9547 Feb 11 19:09	1°♎55'23 -4.8m		9549 Jul 20 15:17	0°♏
retrograde	9547 Feb 21 16:34	3°♎43'35			
asc. node	9547 Feb 24 06:25	3°♎35'37	superior conj	9549 Aug 10 20:22	26°♏25'36 -0°00'20
	9547 Mar 07 09:39	30°♋♋	minimum elong	9549 Aug 10 20:30	26°♏26'01 0°00'32
evening set	9547 Mar 08 10:17	29°♋27'21	behind sun begin	9549 Aug 09 20:22	25°♏11'00
inferior conj	9547 Mar 14 10:20	25°♋53'58 4°27'57	behind sun end	9549 Aug 11 20:37	27°♏41'01
minimum elong	9547 Mar 14 01:09	26°♋08'10 4°25'25	asc. node	9549 Aug 10 23:33	26°♏35'32
min. Earth dist.	9547 Mar 14 10:52	25°♋53'09 0.27287 AU		9549 Aug 13 17:21	0°♎
morning rise	9547 Mar 19 15:49	22°♋46'03	max. Earth dist.	9549 Aug 13 18:53	0°♎04'46 1.72323 AU
direct	9547 Apr 04 07:03	17°♋59'24		9549 Sep 06 21:45	0°♏
greatest brilliancy	9547 Apr 14 09:32	19°♋55'16 -4.9m	evening rise	9549 Sep 17 16:24	13°♏19'31
	9547 May 01 15:10	0°♎		9549 Oct 01 04:51	0°♎
morning max el	9547 May 24 19:37	20°♎53'56 46°59'09		9549 Oct 25 15:36	0°♊
	9547 Jun 02 14:50	0°♋		9549 Nov 19 07:26	0°♊
desc. node	9547 Jun 16 02:37	14°♋41'17	desc. node	9549 Nov 30 17:52	13°♊48'28
	9547 Jun 29 14:45	0°♏		9549 Dec 14 05:41	0°♏
	9547 Jul 25 05:05	0°♏		9550 Jan 08 11:55	0°♋
	9547 Aug 19 06:14	0°♏		9550 Feb 03 06:12	0°♎
	9547 Sep 13 01:35	0°♎		9550 Mar 02 02:31	0°♋
asc. node	9547 Oct 06 22:58	29°♎03'52	evening max el	9550 Mar 16 22:01	15°♋26'24 46°46'39
	9547 Oct 07 17:22	0°♏	asc. node	9550 Mar 23 17:18	22°♋05'16
	9547 Nov 01 05:58	0°♎		9550 Apr 01 10:09	0°♏
morning set	9547 Nov 23 15:05	27°♎30'21	greatest brilliancy	9550 Apr 26 15:38	16°♏21'13 -4.9m
	9547 Nov 25 15:42	0°♊	retrograde	9550 May 06 06:37	18°♏06'51
	9547 Dec 19 23:27	0°♊	evening set	9550 May 24 08:43	11°♏54'14
max. Earth dist.	9547 Dec 28 22:19	11°♊03'31 1.72994 AU	inferior conj	9550 May 26 23:22	10°♏18'32 8°58'28
			minimum elong	9550 May 27 04:33	10°♏10'34 8°57'47
superior conj	9547 Dec 30 08:24	12°♊48'51 0°59'50	min. Earth dist.	9550 May 27 02:44	10°♏13'21 0.27144 AU
minimum elong	9547 Dec 30 18:11	13°♊19'03 0°59'49	morning rise	9550 May 30 00:22	8°♏27'13
	9548 Jan 13 05:59	0°♏	direct	9550 Jun 16 14:42	2°♏30'17
desc. node	9548 Jan 26 15:52	16°♏36'00	greatest brilliancy	9550 Jun 26 09:49	4°♏18'01 -4.9m
	9548 Feb 06 11:28	0°♋	desc. node	9550 Jul 13 14:04	14°♏06'51
evening rise	9548 Feb 06 12:17	0°♋02'32		9550 Jul 31 23:38	0°♏
	9548 Mar 01 15:38	0°♎	morning max el	9550 Aug 05 16:58	4°♏35'42 46°33'39
	9548 Mar 25 18:46	0°♋		9550 Aug 29 21:27	0°♏
	9548 Apr 18 22:35	0°♏		9550 Sep 25 12:11	0°♎
	9548 May 13 06:27	0°♏		9550 Oct 21 05:01	0°♏
asc. node	9548 May 18 13:33	6°♏28'55	asc. node	9550 Nov 03 11:43	15°♏45'44
	9548 Jun 06 23:23	0°♏		9550 Nov 15 08:58	0°♎
	9548 Jul 02 09:41	0°♎		9550 Dec 10 03:42	0°♊
	9548 Jul 29 08:36	0°♏		9551 Jan 03 15:48	0°♊
evening max el	9548 Aug 10 09:29	12°♏20'52 46°10'58		9551 Jan 27 23:18	0°♏
	9548 Aug 30 02:25	0°♎	morning set	9551 Jan 31 20:15	4°♏47'46
desc. node	9548 Sep 07 10:22	5°♎56'50		9551 Feb 21 03:25	0°♋
greatest brilliancy	9548 Sep 18 03:07	11°♎28'12 -4.8m	desc. node	9551 Feb 23 04:17	2°♋32'02
retrograde	9548 Sep 28 22:18	13°♎35'24	max. Earth dist.	9551 Mar 08 19:49	19°♋32'39 1.71890 AU
evening set	9548 Oct 16 08:34	7°♎50'04			
inferior conj	9548 Oct 20 11:05	5°♎17'36 -8°05'39	superior conj	9551 Mar 12 00:34	23°♋32'15 -0°39'32
minimum elong	9548 Oct 20 04:14	5°♎28'23 8°04'46	minimum elong	9551 Mar 11 15:35	23°♋04'13 0°39'04
min. Earth dist.	9548 Oct 19 23:29	5°♎35'52 0.28995 AU		9551 Mar 17 04:41	0°♎
morning rise	9548 Oct 24 00:03	3°♎05'48		9551 Apr 10 03:38	0°♋
	9548 Oct 29 17:12	30°♋♏	evening rise	9551 Apr 20 21:21	13°♋28'21
direct	9548 Nov 10 22:23	27°♏05'03		9551 May 04 01:32	0°♏
greatest brilliancy	9548 Nov 20 21:50	28°♏53'03 -4.7m		9551 May 28 00:29	0°♏
	9548 Nov 23 18:47	0°♎	asc. node	9551 Jun 16 01:10	23°♏42'15
asc. node	9548 Dec 29 09:51	26°♎51'18		9551 Jun 21 03:02	0°♏
morning max el	9548 Dec 29 20:15	27°♎16'28 45°46'59		9551 Jul 15 11:53	0°♎

	9551 Aug 09 06:45	0°♄			9554 Mar 07 16:00	0°♁		
	9551 Sep 03 18:30	0°♌		desc. node	9554 Mar 22 17:01	18°♁40'58		
	9551 Sep 30 14:45	0°♊			9554 Mar 31 18:51	0°♑		
desc. node	9551 Oct 05 21:18	5°♊36'04		morning set	9554 Apr 15 17:24	18°♑41'15		
evening max el	9551 Oct 21 05:23	21°♊03'52	45°44'53		9554 Apr 24 17:57	0°♄		
	9551 Oct 30 22:32	0°♄			9554 May 18 14:56	0°♀		
greatest brilliancy	9551 Nov 29 09:08	19°♄15'32	-4.7m					
retrograde	9551 Dec 09 00:38	20°♄57'05		superior conj	9554 May 26 07:18	9°♀39'24	-1°25'31	
evening set	9551 Dec 25 15:48	15°♄40'28		minimum elong	9554 May 26 12:36	9°♀56'03	1°25'46	
inferior conj	9551 Dec 30 07:55	12°♄49'50	-6°06'51	max. Earth dist.	9554 May 27 07:55	10°♀56'45	1.71283 AU	
minimum elong	9551 Dec 30 18:03	12°♄34'00	6°04'20		9554 Jun 11 11:54	0°♄		
min. Earth dist.	9551 Dec 31 02:06	12°♄21'27	0.28584 AU		9554 Jul 05 10:48	0°♌		
morning rise	9552 Jan 04 19:51	9°♄29'47		evening rise	9554 Jul 05 16:44	0°♌18'30		
direct	9552 Jan 20 16:28	4°♄35'15		asc. node	9554 Jul 13 13:06	10°♌06'10		
asc. node	9552 Jan 26 21:12	5°♄19'32			9554 Jul 29 13:08	0°♍		
greatest brilliancy	9552 Jan 31 19:58	6°♄52'35	-4.8m		9554 Aug 22 20:04	0°♄		
	9552 Mar 03 21:29	0°♌			9554 Sep 16 09:23	0°♌		
morning max el	9552 Mar 10 16:45	6°♌36'21	46°27'29		9554 Oct 11 08:21	0°♊		
	9552 Apr 01 18:10	0°♁		desc. node	9554 Nov 02 08:22	25°♊51'31		
	9552 Apr 27 21:22	0°♑			9554 Nov 05 22:15	0°♄		
desc. node	9552 May 17 16:28	23°♑37'14			9554 Dec 02 12:47	0°♌		
	9552 May 22 23:03	0°♄			9554 Dec 31 07:27	0°♁		
	9552 Jun 16 12:27	0°♀		evening max el	9554 Dec 31 22:34	0°♁36'39	46°03'49	
	9552 Jul 10 20:20	0°♄		greatest brilliancy	9555 Feb 09 09:14	29°♁34'51	-4.8m	
	9552 Aug 04 02:36	0°♌			9555 Feb 10 15:53	0°♑		
	9552 Aug 28 09:04	0°♍		retrograde	9555 Feb 19 05:17	1°♑21'52		
asc. node	9552 Sep 07 12:11	12°♍30'47		asc. node	9555 Feb 23 08:23	1°♑01'23		
morning set	9552 Sep 12 09:06	18°♍31'44			9555 Feb 27 11:00	30°♁♁		
	9552 Sep 21 16:00	0°♄		evening set	9555 Mar 05 22:05	27°♁08'10		
	9552 Oct 15 23:12	0°♌		inferior conj	9555 Mar 11 23:57	23°♁32'15	4°07'10	
				minimum elong	9555 Mar 11 15:19	23°♁45'37	4°04'44	
superior conj	9552 Oct 19 15:50	4°♌33'31	1°19'48	min. Earth dist.	9555 Mar 12 01:29	23°♁29'54	0.27308 AU	
minimum elong	9552 Oct 19 09:08	4°♌12'50	1°19'51	morning rise	9555 Mar 17 08:15	20°♁19'57		
max. Earth dist.	9552 Oct 20 11:06	5°♌32'59	1.73200 AU	direct	9555 Apr 01 20:43	15°♁37'12		
	9552 Nov 09 06:53	0°♊		greatest brilliancy	9555 Apr 12 00:53	17°♁34'05	-4.9m	
evening rise	9552 Nov 25 05:30	19°♊38'13			9555 May 02 05:52	0°♑		
	9552 Dec 03 15:44	0°♄		morning max el	9555 May 22 08:14	18°♑27'56	46°58'55	
desc. node	9552 Dec 28 05:34	0°♌10'01			9555 Jun 02 10:17	0°♄		
	9552 Dec 28 02:18	0°♌		desc. node	9555 Jun 15 04:29	13°♄59'13		
	9553 Jan 21 14:29	0°♁			9555 Jun 29 05:56	0°♀		
	9553 Feb 15 04:10	0°♑			9555 Jul 24 18:24	0°♄		
	9553 Mar 11 20:45	0°♄			9555 Aug 18 18:31	0°♌		
	9553 Apr 05 21:07	0°♀			9555 Sep 12 13:10	0°♍		
asc. node	9553 Apr 20 04:18	16°♀47'22		asc. node	9555 Oct 06 01:01	28°♍36'07		
	9553 May 01 16:44	0°♄			9555 Oct 07 04:30	0°♄		
evening max el	9553 May 28 18:48	29°♄11'04	46°51'27		9555 Oct 31 16:49	0°♌		
	9553 May 29 14:19	0°♌		morning set	9555 Nov 21 08:25	25°♌22'53		
greatest brilliancy	9553 Jul 07 09:02	29°♌38'48	-4.9m		9555 Nov 25 02:26	0°♊		
	9553 Jul 08 08:04	0°♍			9555 Dec 19 10:10	0°♄		
retrograde	9553 Jul 18 03:57	1°♍48'48		max. Earth dist.	9555 Dec 26 14:14	8°♄51'21	1.73022 AU	
	9553 Jul 27 14:02	30°♁♌						
evening set	9553 Aug 01 22:59	27°♌28'54		superior conj	9555 Dec 28 00:56	10°♄38'29	1°02'12	
min. Earth dist.	9553 Aug 07 17:24	24°♌04'19	0.27593 AU	minimum elong	9555 Dec 28 10:41	11°♄08'37	1°02'13	
inferior conj	9553 Aug 08 03:46	23°♌48'20	0°28'48		9556 Jan 12 16:46	0°♌		
minimum elong	9553 Aug 08 04:52	23°♌46'38	0°28'15	desc. node	9556 Jan 25 17:45	16°♌08'16		
desc. node	9553 Aug 10 01:16	22°♌38'38		evening rise	9556 Feb 04 03:03	27°♌45'47		
morning rise	9553 Aug 14 11:29	20°♌05'39			9556 Feb 05 22:22	0°♁		
direct	9553 Aug 29 02:35	15°♌56'01			9556 Mar 01 02:43	0°♑		
greatest brilliancy	9553 Sep 07 19:55	17°♌40'18	-4.8m		9556 Mar 25 06:06	0°♄		
	9553 Sep 28 18:10	0°♍			9556 Apr 18 10:17	0°♀		
morning max el	9553 Oct 17 03:04	16°♍09'01	45°50'18		9556 May 12 18:42	0°♄		
	9553 Oct 30 23:14	0°♄		asc. node	9556 May 17 15:28	5°♄56'59		
	9553 Nov 27 13:12	0°♌			9556 Jun 06 12:29	0°♌		
asc. node	9553 Dec 01 00:02	3°♌54'30			9556 Jul 02 00:25	0°♍		
	9553 Dec 23 12:50	0°♊			9556 Jul 29 03:15	0°♄		
	9554 Jan 17 16:20	0°♄		evening max el	9556 Aug 07 23:47	10°♄03'29	46°12'28	
	9554 Feb 11 07:55	0°♌			9556 Aug 30 15:54	0°♌		

desc. node	9556 Sep 06 12:27	4° \mathbb{M} 38'21		9559 Feb 20 14:22	0° \mathbb{H}	
greatest brilliancy	9556 Sep 15 18:54	9° \mathbb{M} 16'53	-4.8m	desc. node	9559 Feb 22 06:18	2° \mathbb{H} 04'13
retrograde	9556 Sep 26 14:06	11° \mathbb{M} 24'47		max. Earth dist.	9559 Mar 06 10:28	17° \mathbb{H} 14'17 1.71934 AU
evening set	9556 Oct 13 21:35	5° \mathbb{M} 44'08				
min. Earth dist.	9556 Oct 17 15:01	3° \mathbb{M} 26'28	0.28966 AU	superior conj	9559 Mar 09 13:16	21° \mathbb{H} 07'41 -0°36'08
inferior conj	9556 Oct 18 03:14	3° \mathbb{M} 07'16	-7°58'18	minimum elong	9559 Mar 09 04:56	20° \mathbb{H} 41'43 0°35'39
minimum elong	9556 Oct 17 19:48	3° \mathbb{M} 18'57	7°57'16		9559 Mar 16 15:42	0° \mathbb{Y}
morning rise	9556 Oct 21 18:10	0° \mathbb{M} 52'31			9559 Apr 09 14:44	0° \mathbb{B}
	9556 Oct 23 05:49	30° \mathbb{R} 5		evening rise	9559 Apr 18 08:53	10° \mathbb{B} 59'02
direct	9556 Nov 08 13:39	24° \mathbb{A} 55'08			9559 May 03 12:44	0° \mathbb{I}
greatest brilliancy	9556 Nov 18 13:30	26° \mathbb{A} 43'02	-4.7m		9559 May 27 11:49	0° \mathbb{G}
	9556 Nov 25 21:45	0° \mathbb{M}		asc. node	9559 Jun 15 03:01	23° \mathbb{G} 12'18
morning max el	9556 Dec 27 10:41	25° \mathbb{M} 01'35	45°46'11		9559 Jun 20 14:35	0° \mathbb{Q}
asc. node	9556 Dec 28 11:47	26° \mathbb{M} 02'33			9559 Jul 14 23:50	0° \mathbb{M}
	9557 Jan 01 11:45	0° \mathbb{Z}			9559 Aug 08 19:24	0° \mathbb{A}
	9557 Jan 29 11:36	0° \mathbb{B}			9559 Sep 03 08:31	0° \mathbb{M}
	9557 Feb 24 09:59	0° \approx			9559 Sep 30 07:56	0° \mathbb{Z}
	9557 Mar 21 10:06	0° \mathbb{H}		desc. node	9559 Oct 04 23:20	4° \mathbb{Z} 53'48
	9557 Apr 14 21:59	0° \mathbb{Y}		evening max el	9559 Oct 18 21:20	18° \mathbb{Z} 53'00 45°45'09
desc. node	9557 Apr 19 05:53	5° \mathbb{Y} 20'44			9559 Oct 31 03:10	0° \mathbb{B}
	9557 May 09 02:31	0° \mathbb{B}		greatest brilliancy	9559 Nov 26 23:16	17° \mathbb{B} 02'28 -4.7m
	9557 Jun 02 03:01	0° \mathbb{I}		retrograde	9559 Dec 06 16:19	18° \mathbb{B} 44'52
	9557 Jun 26 02:14	0° \mathbb{G}		evening set	9559 Dec 23 10:10	13° \mathbb{B} 23'47
morning set	9557 Jun 30 07:33	5° \mathbb{G} 16'59		inferior conj	9559 Dec 27 23:30	10° \mathbb{B} 36'50 -6°21'10
	9557 Jul 20 02:16	0° \mathbb{Q}		minimum elong	9559 Dec 28 09:37	10° \mathbb{B} 21'00 6°18'44
				min. Earth dist.	9559 Dec 28 16:53	10° \mathbb{B} 09'39 0.28631 AU
superior conj	9557 Aug 08 10:37	24° \mathbb{Q} 06'43	-0°03'58	morning rise	9560 Jan 02 08:44	7° \mathbb{B} 20'40
minimum elong	9557 Aug 08 11:37	24° \mathbb{Q} 09'49	0°04'09	direct	9560 Jan 18 09:03	2° \mathbb{B} 22'01
behind sun begin	9557 Aug 07 11:59	22° \mathbb{Q} 56'18		asc. node	9560 Jan 25 23:11	3° \mathbb{B} 27'49
behind sun end	9557 Aug 09 11:15	25° \mathbb{Q} 23'19		greatest brilliancy	9560 Jan 29 10:59	4° \mathbb{B} 38'12 -4.8m
asc. node	9557 Aug 10 01:30	26° \mathbb{Q} 07'36			9560 Mar 03 21:52	0° \approx
max. Earth dist.	9557 Aug 11 07:27	27° \mathbb{Q} 40'43	1.72280 AU	morning max el	9560 Mar 08 08:41	4° \approx 21'45 46°25'44
	9557 Aug 13 04:16	0° \mathbb{M}			9560 Apr 01 10:44	0° \mathbb{H}
	9557 Sep 06 08:38	0° \mathbb{A}			9560 Apr 27 11:24	0° \mathbb{Y}
evening rise	9557 Sep 15 08:56	11° \mathbb{A} 08'39		desc. node	9560 May 16 18:18	23° \mathbb{Y} 03'28
	9557 Sep 30 15:48	0° \mathbb{M}			9560 May 22 11:52	0° \mathbb{B}
	9557 Oct 25 02:45	0° \mathbb{Z}			9560 Jun 16 00:34	0° \mathbb{I}
	9557 Nov 18 18:56	0° \mathbb{B}			9560 Jul 10 07:58	0° \mathbb{G}
desc. node	9557 Nov 29 19:46	13° \mathbb{B} 18'50			9560 Aug 03 13:53	0° \mathbb{Q}
	9557 Dec 13 17:49	0° \approx			9560 Aug 27 20:06	0° \mathbb{M}
	9558 Jan 08 01:04	0° \mathbb{H}		asc. node	9560 Sep 06 14:10	12° \mathbb{M} 03'06
	9558 Feb 02 21:12	0° \mathbb{Y}		morning set	9560 Sep 10 00:55	16° \mathbb{M} 18'39
	9558 Mar 01 21:29	0° \mathbb{B}			9560 Sep 21 02:53	0° \mathbb{A}
evening max el	9558 Mar 14 10:56	13° \mathbb{B} 00'52	46°45'36		9560 Oct 15 10:00	0° \mathbb{M}
asc. node	9558 Mar 22 19:24	21° \mathbb{B} 07'03				
	9558 Apr 01 20:14	0° \mathbb{I}		superior conj	9560 Oct 17 08:59	2° \mathbb{M} 25'01 1°18'31
greatest brilliancy	9558 Apr 24 04:19	13° \mathbb{I} 54'29	-4.9m	minimum elong	9560 Oct 17 01:46	2° \mathbb{M} 02'44 1°18'32
retrograde	9558 May 03 19:44	15° \mathbb{I} 40'46		max. Earth dist.	9560 Oct 18 08:03	3° \mathbb{M} 36'10 1.73185 AU
evening set	9558 May 21 23:20	9° \mathbb{I} 25'06			9560 Nov 08 17:41	0° \mathbb{Z}
inferior conj	9558 May 24 12:11	7° \mathbb{I} 52'18	9°03'37	evening rise	9560 Nov 22 22:26	17° \mathbb{Z} 29'11
minimum elong	9558 May 24 16:27	7° \mathbb{I} 45'44	9°03'02		9560 Dec 03 02:39	0° \mathbb{B}
min. Earth dist.	9558 May 24 15:07	7° \mathbb{I} 47'48	0.27146 AU	desc. node	9560 Dec 27 07:30	29° \mathbb{B} 41'51
morning rise	9558 May 27 09:35	6° \mathbb{I} 06'35			9560 Dec 27 13:26	0° \approx
direct	9558 Jun 14 03:32	0° \mathbb{I} 03'43			9561 Jan 21 01:57	0° \mathbb{H}
greatest brilliancy	9558 Jun 23 22:24	1° \mathbb{I} 51'47	-4.9m		9561 Feb 14 16:08	0° \mathbb{Y}
desc. node	9558 Jul 12 16:02	12° \mathbb{I} 51'29			9561 Mar 11 09:27	0° \mathbb{B}
	9558 Aug 01 00:27	0° \mathbb{G}			9561 Apr 05 11:03	0° \mathbb{I}
morning max el	9558 Aug 03 07:18	2° \mathbb{G} 14'45	46°35'14	asc. node	9561 Apr 19 06:10	16° \mathbb{I} 09'04
	9558 Aug 29 14:19	0° \mathbb{Q}			9561 May 01 09:09	0° \mathbb{G}
	9558 Sep 25 02:14	0° \mathbb{M}		evening max el	9561 May 26 10:01	26° \mathbb{G} 52'05 46°52'08
	9558 Oct 20 17:38	0° \mathbb{A}			9561 May 29 13:36	0° \mathbb{Q}
asc. node	9558 Nov 02 13:36	15° \mathbb{A} 15'09		greatest brilliancy	9561 Jul 05 00:41	27° \mathbb{Q} 19'43 -4.9m
	9558 Nov 14 20:45	0° \mathbb{M}		retrograde	9561 Jul 15 18:31	29° \mathbb{Q} 28'19
	9558 Dec 09 15:01	0° \mathbb{Z}		evening set	9561 Jul 30 14:21	25° \mathbb{Q} 07'44
	9559 Jan 03 02:51	0° \mathbb{B}		inferior conj	9561 Aug 05 17:47	21° \mathbb{Q} 28'45 0°51'40
	9559 Jan 27 10:14	0° \approx		minimum elong	9561 Aug 05 19:45	21° \mathbb{Q} 25'42 0°50'48
morning set	9559 Jan 29 11:34	2° \approx 32'40		min. Earth dist.	9561 Aug 05 08:12	21° \mathbb{Q} 43'32 0.27550 AU

desc. node	9561 Aug 09 03:21	19° Ω 24'53		9564 Feb 29 13:41	0° Υ
morning rise	9561 Aug 12 01:54	17° Ω 45'28		9564 Mar 24 17:18	0° \mathcal{B}
direct	9561 Aug 26 16:39	13° Ω 37'17		9564 Apr 17 21:49	0° Π
greatest brilliancy	9561 Sep 05 09:25	15° Ω 21'08 -4.8m		9564 May 12 06:43	0° \mathcal{C}
	9561 Sep 29 05:01	0° \mathfrak{M}	asc. node	9564 May 16 17:25	5° \mathcal{C} 25'51
morning max el	9561 Oct 14 17:01	13° \mathfrak{M} 52'14 45°51'13		9564 Jun 06 01:22	0° Ω
	9561 Oct 30 17:37	0° $\underline{\mathcal{A}}$		9564 Jul 01 14:59	0° \mathfrak{M}
	9561 Nov 27 03:34	0° \mathfrak{M}		9564 Jul 28 22:06	0° $\underline{\mathcal{A}}$
asc. node	9561 Nov 30 01:54	3° \mathfrak{M} 19'42	evening max el	9564 Aug 05 14:16	7° $\underline{\mathcal{A}}$ 47'13 46°13'54
	9561 Dec 23 01:30	0° \mathcal{A}		9564 Aug 31 09:40	0° \mathfrak{M}
	9562 Jan 17 04:09	0° \mathcal{Z}	desc. node	9564 Sep 05 14:28	3° \mathfrak{M} 17'54
	9562 Feb 10 19:18	0° \approx	greatest brilliancy	9564 Sep 13 10:09	7° \mathfrak{M} 05'24 -4.8m
	9562 Mar 07 03:08	0° \mathcal{H}	retrograde	9564 Sep 24 06:16	9° \mathfrak{M} 14'47
desc. node	9562 Mar 21 19:01	18° \mathcal{H} 12'56	evening set	9564 Oct 11 10:28	3° \mathfrak{M} 38'39
	9562 Mar 31 05:50	0° Υ	inferior conj	9564 Oct 15 19:21	0° \mathfrak{M} 57'21 -7°50'06
morning set	9562 Apr 13 04:30	16° Υ 11'27	minimum elong	9564 Oct 15 11:24	1° \mathfrak{M} 09'49 7°48'55
	9562 Apr 24 04:52	0° \mathcal{B}	min. Earth dist.	9564 Oct 15 06:22	1° \mathfrak{M} 17'43 0.28937 AU
	9562 May 18 01:49	0° Π		9564 Oct 17 07:59	30° \mathcal{R} $\underline{\mathcal{A}}$
			morning rise	9564 Oct 19 12:29	28° $\underline{\mathcal{A}}$ 39'33
superior conj	9562 May 23 18:46	7° Π 10'22 -1°26'19	direct	9564 Nov 06 05:02	22° $\underline{\mathcal{A}}$ 45'35
minimum elong	9562 May 23 23:04	7° Π 23'53 1°26'35	greatest brilliancy	9564 Nov 16 05:07	24° $\underline{\mathcal{A}}$ 33'39 -4.7m
max. Earth dist.	9562 May 24 13:48	8° Π 10'12 1.71273 AU		9564 Nov 27 06:52	0° \mathfrak{M}
	9562 Jun 10 22:48	0° \mathcal{C}	morning max el	9564 Dec 25 01:53	22° \mathfrak{M} 49'26 45°45'30
evening rise	9562 Jul 03 04:47	27° \mathcal{C} 52'02	asc. node	9564 Dec 27 13:50	25° \mathfrak{M} 15'41
	9562 Jul 04 21:45	0° Ω		9565 Jan 01 07:30	0° \mathcal{A}
asc. node	9562 Jul 12 15:06	9° Ω 38'15		9565 Jan 29 02:20	0° \mathcal{Z}
	9562 Jul 29 00:09	0° \mathfrak{M}		9565 Feb 23 22:50	0° \approx
	9562 Aug 22 07:14	0° $\underline{\mathcal{A}}$		9565 Mar 20 22:02	0° \mathcal{H}
	9562 Sep 15 20:54	0° \mathfrak{M}		9565 Apr 14 09:25	0° Υ
	9562 Oct 10 20:32	0° \mathcal{A}	desc. node	9565 Apr 18 07:39	4° Υ 51'05
desc. node	9562 Nov 01 10:17	25° \mathcal{A} 18'48		9565 May 08 13:38	0° \mathcal{B}
	9562 Nov 05 11:42	0° \mathcal{Z}		9565 Jun 01 13:55	0° Π
	9562 Dec 02 04:51	0° \approx		9565 Jun 25 12:58	0° \mathcal{C}
evening max el	9562 Dec 29 11:59	28° \approx 17'13 46°02'27	morning set	9565 Jun 27 20:33	2° \mathcal{C} 54'00
	9562 Dec 31 06:47	0° \mathcal{H}		9565 Jul 19 12:51	0° Ω
greatest brilliancy	9563 Feb 06 23:29	27° \mathcal{H} 14'36 -4.8m			
retrograde	9563 Feb 16 18:03	29° \mathcal{H} 00'39	superior conj	9565 Aug 06 01:07	21° Ω 49'47 -0°07'33
asc. node	9563 Feb 22 10:29	28° \mathcal{H} 21'45	minimum elong	9565 Aug 06 02:58	21° Ω 55'33 0°07'41
evening set	9563 Mar 03 10:07	24° \mathcal{H} 48'50	behind sun begin	9565 Aug 05 05:20	20° Ω 48'10
inferior conj	9563 Mar 09 13:38	21° \mathcal{H} 10'58 3°45'57	behind sun end	9565 Aug 07 00:37	23° Ω 02'55
minimum elong	9563 Mar 09 05:35	21° \mathcal{H} 23'25 3°43'39	max. Earth dist.	9565 Aug 08 21:27	25° Ω 22'20 1.72240 AU
min. Earth dist.	9563 Mar 09 16:19	21° \mathcal{H} 06'49 0.27329 AU	asc. node	9565 Aug 09 03:29	25° Ω 41'07
morning rise	9563 Mar 15 00:38	17° \mathcal{H} 54'37		9565 Aug 12 14:46	0° \mathfrak{M}
direct	9563 Mar 30 10:04	13° \mathcal{H} 15'16		9565 Sep 05 19:08	0° $\underline{\mathcal{A}}$
greatest brilliancy	9563 Apr 09 16:37	15° \mathcal{H} 13'53 -4.9m	evening rise	9565 Sep 13 01:42	8° $\underline{\mathcal{A}}$ 59'42
	9563 May 02 16:37	0° Υ		9565 Sep 30 02:24	0° \mathfrak{M}
morning max el	9563 May 19 20:56	16° Υ 02'39 46°58'47		9565 Oct 24 13:33	0° \mathcal{A}
	9563 Jun 02 05:02	0° \mathcal{B}		9565 Nov 18 06:06	0° \mathcal{Z}
desc. node	9563 Jun 14 06:30	13° \mathcal{B} 18'33	desc. node	9565 Nov 28 21:43	12° \mathcal{Z} 50'20
	9563 Jun 28 20:46	0° Π		9565 Dec 13 05:36	0° \approx
	9563 Jul 24 07:30	0° \mathcal{C}		9566 Jan 07 13:56	0° \mathcal{H}
	9563 Aug 18 06:39	0° Ω		9566 Feb 02 12:00	0° Υ
	9563 Sep 12 00:40	0° \mathfrak{M}		9566 Mar 01 16:34	0° \mathcal{B}
asc. node	9563 Oct 05 02:54	28° \mathfrak{M} 08'04	evening max el	9566 Mar 12 00:46	10° \mathcal{B} 38'59 46°44'28
	9563 Oct 06 15:33	0° $\underline{\mathcal{A}}$	asc. node	9566 Mar 21 21:19	20° \mathcal{B} 08'15
	9563 Oct 31 03:34	0° \mathfrak{M}		9566 Apr 02 09:08	0° Π
morning set	9563 Nov 19 01:34	23° \mathfrak{M} 15'11	greatest brilliancy	9566 Apr 21 16:35	11° Π 28'31 -4.9m
	9563 Nov 24 13:02	0° \mathcal{A}	retrograde	9566 May 01 09:14	13° Π 15'45
	9563 Dec 18 20:45	0° \mathcal{Z}	evening set	9566 May 19 13:31	6° Π 57'44
max. Earth dist.	9563 Dec 24 08:08	6° \mathcal{Z} 45'40 1.73050 AU	inferior conj	9566 May 22 00:59	5° Π 27'05 9°07'44
			minimum elong	9566 May 22 04:20	5° Π 21'57 9°07'16
superior conj	9563 Dec 25 17:26	8° \mathcal{Z} 28'32 1°04'29	min. Earth dist.	9566 May 22 03:10	5° Π 23'44 0.27145 AU
minimum elong	9563 Dec 26 03:07	8° \mathcal{Z} 58'26 1°04'31	morning rise	9566 May 24 19:10	3° Π 46'21
	9564 Jan 12 03:26	0° \approx		9566 May 31 22:55	30° \mathcal{R} \mathcal{B}
desc. node	9564 Jan 24 19:47	15° \approx 41'26	direct	9566 Jun 11 16:48	27° \mathcal{B} 38'30
evening rise	9564 Feb 01 17:58	25° \approx 30'00	greatest brilliancy	9566 Jun 21 10:22	29° \mathcal{B} 26'01 -4.9m
	9564 Feb 05 09:10	0° \mathcal{H}		9566 Jun 22 22:35	0° Π

desc. node	9566 Jul 11 18:03	11° Π 39'50		9569 Mar 10 21:53	0° \mathcal{B}	
	9566 Jul 31 23:33	0° \mathcal{B}		9569 Apr 05 00:48	0° Π	
morning max el	9566 Jul 31 21:56	29° Π 56'00	46°36'56	asc. node	9569 Apr 18 08:08	15° Π 31'43
	9566 Aug 29 06:19	0° Ω			9569 May 01 01:32	0° \mathcal{B}
	9566 Sep 24 15:35	0° \mathcal{M}		evening max el	9569 May 24 00:05	24° \mathcal{B} 31'02 46°52'43
	9566 Oct 20 05:39	0° \mathcal{A}			9569 May 29 13:36	0° Ω
asc. node	9566 Nov 01 15:28	14° \mathcal{A} 46'05		greatest brilliancy	9569 Jul 02 16:52	25° Ω 01'54 -4.9m
	9566 Nov 14 08:03	0° \mathcal{M}		retrograde	9569 Jul 13 08:32	27° Ω 08'28
	9566 Dec 09 01:53	0° \mathcal{A}		evening set	9569 Jul 28 05:51	22° Ω 46'51
	9567 Jan 02 13:29	0° \mathcal{B}		inferior conj	9569 Aug 03 07:46	19° Ω 09'53 1°14'33
	9567 Jan 26 20:46	0° \approx		minimum elong	9569 Aug 03 10:36	19° Ω 05'30 1°13'23
morning set	9567 Jan 27 03:02	0° \approx 19'21		min. Earth dist.	9569 Aug 02 23:20	19° Ω 22'54 0.27510 AU
	9567 Feb 20 00:54	0° \mathcal{H}		desc. node	9569 Aug 08 05:22	16° Ω 13'41
desc. node	9567 Feb 21 08:13	1° \mathcal{H} 37'27		morning rise	9569 Aug 09 16:02	15° Ω 26'05
max. Earth dist.	9567 Mar 04 00:20	14° \mathcal{H} 54'56	1.71976 AU	direct	9569 Aug 24 06:07	11° Ω 19'01
				greatest brilliancy	9569 Sep 02 23:26	13° Ω 03'02 -4.8m
superior conj	9567 Mar 07 02:03	18° \mathcal{H} 44'49	-0°32'39		9569 Sep 29 12:37	0° \mathcal{M}
minimum elong	9567 Mar 06 18:26	18° \mathcal{H} 21'05	0°32'12	morning max el	9569 Oct 12 06:17	11° \mathcal{M} 34'27 45°52'25
	9567 Mar 16 02:17	0° \mathcal{Y}			9569 Oct 30 11:10	0° \mathcal{A}
	9567 Apr 09 01:25	0° \mathcal{B}			9569 Nov 26 17:25	0° \mathcal{M}
evening rise	9567 Apr 15 20:29	8° \mathcal{B} 31'17		asc. node	9569 Nov 29 03:59	2° \mathcal{M} 46'48
	9567 May 02 23:32	0° Π			9569 Dec 22 13:45	0° \mathcal{A}
	9567 May 26 22:46	0° \mathcal{B}			9570 Jan 16 15:37	0° \mathcal{B}
asc. node	9567 Jun 14 05:04	22° \mathcal{B} 44'08			9570 Feb 10 06:22	0° \approx
	9567 Jun 20 01:45	0° Ω			9570 Mar 06 14:01	0° \mathcal{H}
	9567 Jul 14 11:23	0° \mathcal{M}		desc. node	9570 Mar 20 20:53	17° \mathcal{H} 45'04
	9567 Aug 08 07:38	0° \mathcal{A}			9570 Mar 30 16:38	0° \mathcal{Y}
	9567 Sep 02 22:07	0° \mathcal{M}		morning set	9570 Apr 10 15:23	13° \mathcal{Y} 41'30
	9567 Sep 30 00:50	0° \mathcal{A}			9570 Apr 23 15:36	0° \mathcal{B}
desc. node	9567 Oct 04 01:13	4° \mathcal{A} 12'19			9570 May 17 12:32	0° Π
evening max el	9567 Oct 16 13:18	16° \mathcal{A} 43'46	45°45'19			
	9567 Oct 31 09:04	0° \mathcal{B}		superior conj	9570 May 21 05:59	4° Π 41'09 -1°26'57
greatest brilliancy	9567 Nov 24 14:03	14° \mathcal{B} 51'52	-4.7m	minimum elong	9570 May 21 09:14	4° Π 51'22 1°27'14
retrograde	9567 Dec 04 07:43	16° \mathcal{B} 34'21		max. Earth dist.	9570 May 21 16:36	5° Π 14'30 1.71264 AU
evening set	9567 Dec 21 04:44	11° \mathcal{B} 09'01			9570 Jun 10 09:31	0° \mathcal{B}
inferior conj	9567 Dec 25 15:16	8° \mathcal{B} 25'43	-6°34'50	evening rise	9570 Jun 30 16:34	25° \mathcal{B} 25'16
minimum elong	9567 Dec 26 01:19	8° \mathcal{B} 09'58	6°32'29		9570 Jul 04 08:31	0° Ω
min. Earth dist.	9567 Dec 26 07:59	7° \mathcal{B} 59'31	0.28678 AU	asc. node	9570 Jul 11 17:04	9° Ω 10'48
morning rise	9567 Dec 30 21:39	5° \mathcal{B} 13'23			9570 Jul 28 11:00	0° \mathcal{M}
direct	9568 Jan 16 01:37	0° \mathcal{B} 10'43			9570 Aug 21 18:16	0° \mathcal{A}
asc. node	9568 Jan 25 01:13	1° \mathcal{B} 41'43			9570 Sep 15 08:17	0° \mathcal{M}
greatest brilliancy	9568 Jan 27 02:09	2° \mathcal{B} 25'25	-4.8m		9570 Oct 10 08:35	0° \mathcal{A}
	9568 Mar 03 20:40	0° \approx		desc. node	9570 Oct 31 12:19	24° \mathcal{A} 46'54
morning max el	9568 Mar 05 23:52	2° \approx 06'32	46°23'59		9570 Nov 05 01:02	0° \mathcal{B}
	9568 Apr 01 02:34	0° \mathcal{H}			9570 Dec 01 20:54	0° \approx
	9568 Apr 27 00:53	0° \mathcal{Y}		evening max el	9570 Dec 27 01:04	25° \approx 58'05 46°01'11
desc. node	9568 May 15 20:20	22° \mathcal{Y} 31'43			9570 Dec 31 06:50	0° \mathcal{H}
	9568 May 22 00:12	0° \mathcal{B}		greatest brilliancy	9571 Feb 04 13:24	24° \mathcal{H} 54'58 -4.8m
	9568 Jun 15 12:14	0° Π		retrograde	9571 Feb 14 07:16	26° \mathcal{H} 40'44
	9568 Jul 09 19:11	0° \mathcal{B}		asc. node	9571 Feb 21 12:22	25° \mathcal{H} 37'53
	9568 Aug 03 00:47	0° Ω		evening set	9571 Feb 28 22:31	22° \mathcal{H} 30'01
	9568 Aug 27 06:45	0° \mathcal{M}		inferior conj	9571 Mar 07 03:26	18° \mathcal{H} 50'35 3°24'19
asc. node	9568 Sep 05 16:02	11° \mathcal{M} 36'16		minimum elong	9571 Mar 06 20:03	19° \mathcal{H} 02'00 3°22'12
morning set	9568 Sep 07 16:59	14° \mathcal{M} 07'30		min. Earth dist.	9571 Mar 07 07:10	18° \mathcal{H} 44'50 0.27358 AU
	9568 Sep 20 13:21	0° \mathcal{A}		morning rise	9571 Mar 12 17:04	15° \mathcal{H} 30'33
	9568 Oct 14 20:21	0° \mathcal{M}		direct	9571 Mar 27 23:44	10° \mathcal{H} 53'59
				greatest brilliancy	9571 Apr 07 08:36	12° \mathcal{H} 54'38 -4.9m
superior conj	9568 Oct 15 02:30	0° \mathcal{M} 18'56	1°17'07		9571 May 03 00:26	0° \mathcal{Y}
minimum elong	9568 Oct 14 18:49	29° \mathcal{A} 55'14	1°17'06	morning max el	9571 May 17 10:42	13° \mathcal{Y} 40'07 46°58'29
max. Earth dist.	9568 Oct 16 04:24	1° \mathcal{M} 38'54	1.73166 AU		9571 Jun 01 23:18	0° \mathcal{B}
	9568 Nov 08 04:03	0° \mathcal{A}		desc. node	9571 Jun 13 08:32	12° \mathcal{B} 38'22
evening rise	9568 Nov 20 15:44	15° \mathcal{A} 22'35			9571 Jun 28 11:25	0° Π
	9568 Dec 02 13:09	0° \mathcal{B}			9571 Jul 23 20:31	0° \mathcal{B}
desc. node	9568 Dec 26 09:34	29° \mathcal{B} 15'14			9571 Aug 17 18:43	0° Ω
	9568 Dec 27 00:12	0° \approx			9571 Sep 11 12:07	0° \mathcal{M}
	9569 Jan 20 13:06	0° \mathcal{H}		asc. node	9571 Oct 04 04:47	27° \mathcal{M} 40'07
	9569 Feb 14 03:48	0° \mathcal{Y}			9571 Oct 06 02:35	0° \mathcal{A}

	9571 Oct 30 14:19	0°♍			9574 Apr 03 02:38	0°♊	
morning set	9571 Nov 16 18:50	21°♍07'48		greatest brilliancy	9574 Apr 19 04:46	9°♊02'23	-4.9m
	9571 Nov 23 23:39	0°♊		retrograde	9574 Apr 28 22:47	10°♊50'16	
	9571 Dec 18 07:19	0°♊		evening set	9574 May 17 03:15	4°♊31'00	
max. Earth dist.	9571 Dec 22 03:59	4°♊46'08	1.73071 AU	inferior conj	9574 May 19 13:52	3°♊01'28	9°10'43
				minimum elong	9574 May 19 16:16	2°♊57'47	9°10'20
superior conj	9571 Dec 23 10:14	6°♊19'32	1°06'39	min. Earth dist.	9574 May 19 15:07	2°♊59'33	0.27148 AU
minimum elong	9571 Dec 23 19:47	6°♊49'01	1°06'42	morning rise	9574 May 22 05:20	1°♊24'47	
	9572 Jan 11 14:03	0°♊			9574 May 24 15:36	30°♊♌	
desc. node	9572 Jan 23 21:41	15°♊14'17		direct	9574 Jun 09 06:20	25°♊13'00	
evening rise	9572 Jan 30 09:16	23°♊15'40		greatest brilliancy	9574 Jun 18 22:11	26°♊59'17	-4.9m
	9572 Feb 04 19:54	0°♋			9574 Jun 25 15:26	0°♊	
	9572 Feb 29 00:37	0°♋		desc. node	9574 Jul 10 20:02	10°♊29'16	
	9572 Mar 24 04:33	0°♋		morning max el	9574 Jul 29 12:16	27°♊35'13	46°38'15
	9572 Apr 17 09:28	0°♊			9574 Jul 31 22:08	0°♋	
	9572 May 11 18:57	0°♋			9574 Aug 28 22:31	0°♌	
asc. node	9572 May 15 19:26	4°♋54'20			9574 Sep 24 05:18	0°♍	
	9572 Jun 05 14:32	0°♌			9574 Oct 19 18:05	0°♌	
	9572 Jul 01 05:59	0°♍		asc. node	9574 Oct 31 17:33	14°♌16'26	
	9572 Jul 28 17:47	0°♌			9574 Nov 13 19:43	0°♍	
evening max el	9572 Aug 03 05:10	5°♌31'18	46°15'29		9574 Dec 08 13:07	0°♊	
	9572 Sep 01 10:31	0°♍			9575 Jan 02 00:29	0°♊	
desc. node	9572 Sep 04 16:21	1°♍53'46		morning set	9575 Jan 24 18:28	28°♊04'52	
greatest brilliancy	9572 Sep 11 00:47	4°♍52'10	-4.8m		9575 Jan 26 07:41	0°♊	
retrograde	9572 Sep 21 22:46	7°♍03'26			9575 Feb 19 11:47	0°♋	
evening set	9572 Oct 08 23:02	1°♍31'51		desc. node	9575 Feb 20 10:06	1°♋09'23	
	9572 Oct 11 11:43	30°♋♌		max. Earth dist.	9575 Mar 01 11:54	12°♋27'25	1.72012 AU
inferior conj	9572 Oct 13 11:10	28°♌45'58	-7°41'07				
minimum elong	9572 Oct 13 02:45	28°♌59'09	7°39'49	superior conj	9575 Mar 04 15:06	16°♋21'50	-0°29'09
min. Earth dist.	9572 Oct 12 21:08	29°♌07'57	0.28904 AU	minimum elong	9575 Mar 04 08:15	16°♋00'28	0°28'43
morning rise	9572 Oct 17 06:40	26°♌24'59			9575 Mar 15 13:13	0°♋	
direct	9572 Nov 03 20:31	20°♌34'39			9575 Apr 08 12:24	0°♋	
greatest brilliancy	9572 Nov 13 19:55	22°♌22'25	-4.7m	evening rise	9575 Apr 13 08:26	6°♋03'44	
	9572 Nov 28 06:52	0°♍			9575 May 02 10:36	0°♊	
morning max el	9572 Dec 22 17:47	20°♍38'31	45°45'01		9575 May 26 10:00	0°♋	
asc. node	9572 Dec 26 15:46	24°♍28'45		asc. node	9575 Jun 13 07:01	22°♋14'40	
	9573 Jan 01 02:51	0°♊			9575 Jun 19 13:16	0°♌	
	9573 Jan 28 17:00	0°♊			9575 Jul 13 23:21	0°♍	
	9573 Feb 23 11:42	0°♊			9575 Aug 07 20:23	0°♌	
	9573 Mar 20 10:01	0°♋			9575 Sep 02 12:24	0°♍	
	9573 Apr 13 20:55	0°♋			9575 Sep 29 18:45	0°♊	
desc. node	9573 Apr 17 09:41	4°♋21'55		desc. node	9575 Oct 03 03:18	3°♊29'12	
	9573 May 08 00:54	0°♋		evening max el	9575 Oct 14 04:31	14°♊30'57	45°45'34
	9573 Jun 01 01:01	0°♊			9575 Oct 31 18:18	0°♊	
	9573 Jun 24 23:56	0°♋		greatest brilliancy	9575 Nov 22 05:18	12°♊40'03	-4.7m
morning set	9573 Jun 25 09:04	0°♋28'34		retrograde	9575 Dec 01 22:33	14°♊22'08	
	9573 Jul 18 23:43	0°♌		evening set	9575 Dec 18 23:09	8°♊52'35	
				inferior conj	9575 Dec 23 06:56	6°♊13'02	-6°47'50
superior conj	9573 Aug 03 14:56	19°♌29'41	-0°11'11	minimum elong	9575 Dec 23 16:51	5°♊57'28	6°45'37
minimum elong	9573 Aug 03 17:40	19°♌38'11	0°11'18	min. Earth dist.	9575 Dec 23 23:15	5°♊47'26	0.28720 AU
behind sun begin	9573 Aug 03 00:02	18°♌43'15		morning rise	9575 Dec 28 10:18	3°♊04'37	
behind sun end	9573 Aug 04 11:19	20°♌33'07			9576 Jan 03 15:23	30°♋♊	
max. Earth dist.	9573 Aug 06 11:59	23°♌04'36	1.72199 AU	direct	9576 Jan 13 17:36	27°♋57'45	
asc. node	9573 Aug 08 05:19	25°♌13'09		asc. node	9576 Jan 24 03:09	29°♋57'45	
	9573 Aug 12 01:34	0°♍			9576 Jan 24 05:35	0°♊	
	9573 Sep 05 05:56	0°♌		greatest brilliancy	9576 Jan 24 17:29	0°♊11'17	-4.8m
evening rise	9573 Sep 10 17:57	6°♌48'12		morning max el	9576 Mar 03 14:17	29°♊48'01	46°22'22
	9573 Sep 29 13:18	0°♍			9576 Mar 03 19:06	0°♊	
	9573 Oct 24 00:40	0°♊			9576 Mar 31 18:35	0°♋	
	9573 Nov 17 17:37	0°♊			9576 Apr 26 14:36	0°♋	
desc. node	9573 Nov 27 23:45	12°♊21'08		desc. node	9576 May 14 22:19	21°♋58'59	
	9573 Dec 12 17:46	0°♊			9576 May 21 12:47	0°♋	
	9574 Jan 07 03:11	0°♋			9576 Jun 15 00:08	0°♊	
	9574 Feb 02 03:14	0°♋			9576 Jul 09 06:40	0°♋	
	9574 Mar 01 12:23	0°♋			9576 Aug 02 11:58	0°♌	
evening max el	9574 Mar 09 15:16	8°♋18'27	46°43'22		9576 Aug 26 17:45	0°♍	
asc. node	9574 Mar 20 23:17	19°♋07'54		asc. node	9576 Sep 04 17:58	11°♍08'28	

morning set	9576 Sep 05 08:51	11° \cap 54'27		min. Earth dist.	9579 Mar 04 21:36	16° X 21'57	0.27389 AU
	9576 Sep 20 00:13	0° $\underline{\cap}$		morning rise	9579 Mar 10 09:16	13° X 05'36	
				direct	9579 Mar 25 13:41	8° X 31'31	
superior conj	9576 Oct 12 19:39	28° $\underline{\cap}$ 10'27	1°15'35	greatest brilliancy	9579 Apr 05 00:00	10° X 33'48	-4.9m
minimum elong	9576 Oct 12 11:34	27° $\underline{\cap}$ 45'29	1°15'33		9579 May 03 06:19	0° Υ	
max. Earth dist.	9576 Oct 13 22:05	29° $\underline{\cap}$ 32'00	1.73148 AU	morning max el	9579 May 15 01:25	11° Υ 19'19	46°58'10
	9576 Oct 14 07:09	0° \cap			9579 Jun 01 17:23	0° X	
	9576 Nov 07 14:52	0° X		desc. node	9579 Jun 12 10:24	11° X 57'28	
evening rise	9576 Nov 18 08:36	13° X 13'20			9579 Jun 28 02:07	0° \cap	
	9576 Dec 02 00:06	0° X			9579 Jul 23 09:37	0° X	
desc. node	9576 Dec 25 11:24	28° X 46'34			9579 Aug 17 06:52	0° \cap	
	9576 Dec 26 11:24	0° \approx			9579 Sep 10 23:37	0° \cap	
	9577 Jan 20 00:42	0° X		asc. node	9579 Oct 03 06:49	27° \cap 12'25	
	9577 Feb 13 15:56	0° Υ			9579 Oct 05 13:39	0° $\underline{\cap}$	
	9577 Mar 10 10:50	0° X			9579 Oct 30 01:09	0° \cap	
	9577 Apr 04 15:05	0° \cap		morning set	9579 Nov 14 12:14	19° \cap 00'33	
asc. node	9577 Apr 17 10:14	14° \cap 53'20			9579 Nov 23 10:22	0° X	
	9577 Apr 30 18:35	0° X			9579 Dec 17 18:03	0° X	
evening max el	9577 May 21 13:23	22° X 07'10	46°53'27	max. Earth dist.	9579 Dec 20 00:49	2° X 49'07	1.73097 AU
	9577 May 29 15:07	0° \cap					
greatest brilliancy	9577 Jun 30 09:11	22° \cap 43'43	-4.9m	superior conj	9579 Dec 21 02:59	4° X 09'53	1°08'43
retrograde	9577 Jul 10 22:27	24° \cap 48'28		minimum elong	9579 Dec 21 12:20	4° X 38'46	1°08'47
evening set	9577 Jul 25 21:36	20° \cap 25'14			9580 Jan 11 00:51	0° \approx	
inferior conj	9577 Jul 31 21:54	16° \cap 50'45	1°37'06	desc. node	9580 Jan 22 23:35	14° \approx 46'33	
minimum elong	9577 Aug 01 01:35	16° \cap 45'04	1°35'41	evening rise	9580 Jan 28 00:21	21° \approx 00'08	
min. Earth dist.	9577 Jul 31 14:44	17° \cap 01'50	0.27474 AU		9580 Feb 04 06:50	0° X	
morning rise	9577 Aug 07 06:07	13° \cap 06'45			9580 Feb 28 11:46	0° Υ	
desc. node	9577 Aug 07 07:13	13° \cap 05'16			9580 Mar 23 15:59	0° X	
direct	9577 Aug 21 19:20	9° \cap 00'13			9580 Apr 16 21:18	0° \cap	
greatest brilliancy	9577 Aug 31 13:59	10° \cap 45'01	-4.8m		9580 May 11 07:21	0° X	
	9577 Sep 29 18:15	0° \cap		asc. node	9580 May 14 21:22	4° X 22'02	
morning max el	9577 Oct 09 19:46	9° \cap 16'08	45°53'29		9580 Jun 05 03:54	0° \cap	
	9577 Oct 30 04:42	0° $\underline{\cap}$			9580 Jun 30 21:17	0° \cap	
	9577 Nov 26 07:31	0° \cap			9580 Jul 28 14:08	0° $\underline{\cap}$	
asc. node	9577 Nov 28 05:53	2° \cap 12'22		evening max el	9580 Jul 31 21:14	3° $\underline{\cap}$ 18'12	46°17'11
	9577 Dec 22 02:20	0° X			9580 Sep 02 21:28	0° \cap	
	9578 Jan 16 03:26	0° X		desc. node	9580 Sep 03 18:27	0° \cap 27'34	
	9578 Feb 09 17:48	0° \approx		greatest brilliancy	9580 Sep 08 15:37	2° \cap 39'35	-4.8m
	9578 Mar 06 01:14	0° X		retrograde	9580 Sep 19 15:44	4° \cap 52'33	
desc. node	9578 Mar 19 22:49	17° X 16'27			9580 Oct 05 12:04	30° R $\underline{\cap}$	
	9578 Mar 30 03:44	0° Υ		evening set	9580 Oct 06 11:50	29° $\underline{\cap}$ 25'45	
morning set	9578 Apr 08 02:08	11° Υ 10'12		min. Earth dist.	9580 Oct 10 11:53	26° $\underline{\cap}$ 59'08	0.28865 AU
	9578 Apr 23 02:38	0° X		inferior conj	9580 Oct 11 03:10	26° $\underline{\cap}$ 35'14	-7°31'36
	9578 May 16 23:33	0° \cap		minimum elong	9580 Oct 10 18:20	26° $\underline{\cap}$ 49'03	7°30'09
				morning rise	9580 Oct 15 01:05	24° $\underline{\cap}$ 10'56	
superior conj	9578 May 18 17:14	2° \cap 11'00	-1°27'24	direct	9580 Nov 01 12:33	18° $\underline{\cap}$ 24'39	
minimum elong	9578 May 18 19:26	2° \cap 17'55	1°27'42	greatest brilliancy	9580 Nov 11 10:12	20° $\underline{\cap}$ 11'19	-4.7m
max. Earth dist.	9578 May 18 19:11	2° \cap 17'09	1.71258 AU		9580 Nov 29 00:11	0° \cap	
	9578 Jun 09 20:32	0° X		morning max el	9580 Dec 20 09:58	18° \cap 28'42	45°44'18
evening rise	9578 Jun 28 04:29	22° X 58'05		asc. node	9580 Dec 25 17:42	23° \cap 42'52	
	9578 Jul 03 19:31	0° \cap			9580 Dec 31 21:33	0° X	
asc. node	9578 Jul 10 18:55	8° \cap 42'13			9581 Jan 28 07:29	0° X	
	9578 Jul 27 22:04	0° \cap			9581 Feb 23 00:32	0° \approx	
	9578 Aug 21 05:30	0° $\underline{\cap}$			9581 Mar 19 22:01	0° X	
	9578 Sep 14 19:55	0° \cap			9581 Apr 13 08:29	0° Υ	
desc. node	9578 Oct 09 20:57	0° X		desc. node	9581 Apr 16 11:41	3° Υ 52'31	
	9578 Oct 30 14:17	24° X 13'50			9581 May 07 12:11	0° X	
	9578 Nov 04 14:49	0° X			9581 May 31 12:07	0° \cap	
	9578 Dec 01 13:40	0° \approx		morning set	9581 Jun 22 21:28	28° \cap 02'55	
evening max el	9578 Dec 24 14:49	23° \approx 39'38	46°00'00		9581 Jun 24 10:52	0° X	
	9578 Dec 31 08:40	0° X			9581 Jul 18 10:33	0° \cap	
greatest brilliancy	9579 Feb 02 02:45	22° X 33'37	-4.8m				
retrograde	9579 Feb 11 20:54	24° X 19'40		superior conj	9581 Aug 01 04:44	17° \cap 09'31	-0°14'48
asc. node	9579 Feb 20 14:21	22° X 47'23		minimum elong	9581 Aug 01 08:20	17° \cap 20'44	0°14'54
evening set	9579 Feb 26 11:02	20° X 09'39		behind sun begin	9581 Jul 31 22:52	16° \cap 51'15	
inferior conj	9579 Mar 04 17:06	16° X 28'54	3°02'22	behind sun end	9581 Aug 01 17:47	17° \cap 50'12	
minimum elong	9579 Mar 04 10:24	16° X 39'14	3°00'27	max. Earth dist.	9581 Aug 04 03:54	20° \cap 51'09	1.72157 AU

asc. node	9581 Aug 07 07:18	24° Ω 45'49	greatest brilliancy	9584 Jan 22 09:30	27° \mathbb{A} 59'57	-4.8m		
	9581 Aug 11 12:20	0° \mathbb{M}	asc. node	9584 Jan 23 05:07	28° \mathbb{A} 19'26			
	9581 Sep 04 16:42	0° \mathbb{L}		9584 Jan 26 20:36	0° \mathbb{Z}			
evening rise	9581 Sep 08 10:17	4° \mathbb{L} 37'07	morning max el	9584 Mar 01 04:30	27° \mathbb{Z} 30'31	46°20'41		
	9581 Sep 29 00:06	0° \mathbb{M}		9584 Mar 03 16:05	0° \mathbb{A}			
	9581 Oct 23 11:39	0° \mathbb{A}		9584 Mar 31 09:55	0° \mathbb{H}			
desc. node	9581 Nov 17 04:58	0° \mathbb{Z}		9584 Apr 26 03:53	0° \mathbb{Y}			
	9581 Nov 27 01:39	11° \mathbb{Z} 51'58	desc. node	9584 May 14 00:08	21° \mathbb{Y} 26'46			
	9581 Dec 12 05:49	0° \mathbb{A}		9584 May 21 01:03	0° \mathbb{B}			
	9582 Jan 06 16:24	0° \mathbb{H}		9584 Jun 14 11:48	0° \mathbb{I}			
	9582 Feb 01 18:38	0° \mathbb{Y}		9584 Jul 08 17:55	0° \mathbb{G}			
	9582 Mar 01 08:54	0° \mathbb{B}		9584 Aug 01 22:55	0° Ω			
evening max el	9582 Mar 07 05:43	5° \mathbb{B} 57'38	46°41'57	9584 Aug 26 04:28	0° \mathbb{M}			
asc. node	9582 Mar 20 01:23	18° \mathbb{B} 06'09	morning set	9584 Sep 03 00:23	9° \mathbb{M} 41'13			
	9582 Apr 04 02:32	0° \mathbb{I}	asc. node	9584 Sep 03 19:57	10° \mathbb{M} 41'44			
greatest brilliancy	9582 Apr 16 17:30	6° \mathbb{I} 36'27	-4.9m	9584 Sep 19 10:45	0° \mathbb{L}			
retrograde	9582 Apr 26 11:49	8° \mathbb{I} 24'01						
evening set	9582 May 14 16:14	2° \mathbb{I} 04'51	superior conj	9584 Oct 10 12:44	26° \mathbb{L} 02'46	1°13'58		
inferior conj	9582 May 17 02:37	0° \mathbb{I} 35'31	9°12'43	minimum elong	9584 Oct 10 04:16	25° \mathbb{L} 36'36	1°13'52	
minimum elong	9582 May 17 04:00	0° \mathbb{I} 33'22	9°12'25	max. Earth dist.	9584 Oct 11 14:49	27° \mathbb{L} 23'14	1.73129 AU	
min. Earth dist.	9582 May 17 03:16	0° \mathbb{I} 34'31	0.27146 AU		9584 Oct 13 17:37	0° \mathbb{M}		
	9582 May 18 01:42	30° \mathbb{R} \mathbb{B}			9584 Nov 07 01:21	0° \mathbb{A}		
morning rise	9582 May 19 15:49	29° \mathbb{B} 02'02	evening rise	9584 Nov 16 01:40	11° \mathbb{A} 05'48			
direct	9582 Jun 06 19:26	22° \mathbb{B} 47'15		9584 Dec 01 10:42	0° \mathbb{Z}			
greatest brilliancy	9582 Jun 16 10:13	24° \mathbb{B} 32'31	-4.9m	desc. node	9584 Dec 24 13:22	28° \mathbb{Z} 19'23		
	9582 Jun 27 07:45	0° \mathbb{I}			9584 Dec 25 22:15	0° \mathbb{A}		
desc. node	9582 Jul 09 21:59	9° \mathbb{I} 20'47			9585 Jan 19 11:54	0° \mathbb{H}		
morning max el	9582 Jul 27 01:30	25° \mathbb{I} 11'55	46°39'40		9585 Feb 13 03:40	0° \mathbb{Y}		
	9582 Jul 31 19:44	0° \mathbb{G}			9585 Mar 09 23:24	0° \mathbb{B}		
	9582 Aug 28 14:16	0° Ω			9585 Apr 04 05:06	0° \mathbb{I}		
	9582 Sep 23 18:42	0° \mathbb{M}	asc. node	9585 Apr 16 12:06	14° \mathbb{I} 15'03			
	9582 Oct 19 06:14	0° \mathbb{L}		9585 Apr 30 11:40	0° \mathbb{G}			
asc. node	9582 Oct 30 19:24	13° \mathbb{L} 46'53	evening max el	9585 May 19 02:13	19° \mathbb{G} 42'44	46°53'53		
	9582 Nov 13 07:07	0° \mathbb{M}		9585 May 29 17:54	0° Ω			
	9582 Dec 08 00:04	0° \mathbb{A}	greatest brilliancy	9585 Jun 28 00:57	20° Ω 24'34	-4.9m		
	9583 Jan 01 11:11	0° \mathbb{Z}	retrograde	9585 Jul 08 12:17	22° Ω 28'04			
	morning set	9583 Jan 22 10:18	25° \mathbb{Z} 52'29	evening set	9585 Jul 23 13:09	18° Ω 02'38		
	9583 Jan 25 18:18	0° \mathbb{A}	inferior conj	9585 Jul 29 11:41	14° Ω 31'04	1°59'50		
	9583 Feb 18 22:26	0° \mathbb{H}	minimum elong	9585 Jul 29 16:12	14° Ω 24'06	1°58'09		
desc. node	9583 Feb 19 12:07	0° \mathbb{H} 42'34	min. Earth dist.	9585 Jul 29 05:49	14° Ω 40'07	0.27441 AU		
max. Earth dist.	9583 Feb 26 23:02	9° \mathbb{H} 59'24	1.72060 AU	morning rise	9585 Aug 04 19:40	10° Ω 47'22		
			desc. node	9585 Aug 06 09:18	9° Ω 59'04			
	superior conj	9583 Mar 02 04:23	14° \mathbb{H} 00'22	-0°25'37	direct	9585 Aug 19 08:04	6° Ω 40'41	
	minimum elong	9583 Mar 01 22:19	13° \mathbb{H} 41'29	0°25'12	greatest brilliancy	9585 Aug 29 04:22	8° Ω 26'46	-4.8m
	9583 Mar 14 23:57	0° \mathbb{Y}			9585 Sep 29 21:44	0° \mathbb{M}		
	9583 Apr 07 23:14	0° \mathbb{B}	morning max el	9585 Oct 07 09:49	6° \mathbb{M} 59'50	45°54'48		
	evening rise	9583 Apr 10 20:14	3° \mathbb{B} 36'14		9585 Oct 29 21:30	0° \mathbb{L}		
	9583 May 01 21:33	0° \mathbb{I}		9585 Nov 25 21:05	0° \mathbb{M}			
	9583 May 25 21:07	0° \mathbb{G}	asc. node	9585 Nov 27 07:47	1° \mathbb{M} 39'20			
	asc. node	9583 Jun 12 08:53	21° \mathbb{G} 45'25		9585 Dec 21 14:28	0° \mathbb{A}		
	9583 Jun 19 00:38	0° Ω		9586 Jan 15 14:50	0° \mathbb{Z}			
	9583 Jul 13 11:09	0° \mathbb{M}		9586 Feb 09 04:47	0° \mathbb{A}			
	9583 Aug 07 08:58	0° \mathbb{L}		9586 Mar 05 12:00	0° \mathbb{H}			
	9583 Sep 02 02:32	0° \mathbb{M}	desc. node	9586 Mar 19 00:49	16° \mathbb{H} 49'24			
	9583 Sep 29 12:45	0° \mathbb{A}		9586 Mar 29 14:23	0° \mathbb{Y}			
	desc. node	9583 Oct 02 05:17	2° \mathbb{A} 46'15	morning set	9586 Apr 05 13:33	8° \mathbb{Y} 42'29		
evening max el	9583 Oct 11 19:08	12° \mathbb{A} 17'39	45°45'57	9586 Apr 22 13:14	0° \mathbb{B}			
	9583 Nov 01 06:05	0° \mathbb{Z}						
	greatest brilliancy	9583 Nov 19 21:05	10° \mathbb{Z} 30'20	-4.7m	superior conj	9586 May 16 04:43	29° \mathbb{B} 42'55	-1°27'41
	retrograde	9583 Nov 29 13:31	12° \mathbb{Z} 12'04	minimum elong	9586 May 16 05:51	29° \mathbb{B} 46'28	1°27'58	
evening set	9583 Dec 16 17:47	6° \mathbb{Z} 38'12	max. Earth dist.	9586 May 16 02:02	29° \mathbb{B} 34'28	1.71262 AU		
inferior conj	9583 Dec 20 22:55	4° \mathbb{Z} 02'32	-7°00'03		9586 May 16 10:09	0° \mathbb{I}		
minimum elong	9583 Dec 21 08:37	3° \mathbb{Z} 47'16	6°57'59		9586 Jun 09 07:10	0° \mathbb{G}		
min. Earth dist.	9583 Dec 21 15:00	3° \mathbb{Z} 37'14	0.28760 AU	evening rise	9586 Jun 25 16:17	20° \mathbb{G} 31'33		
morning rise	9583 Dec 25 23:10	0° \mathbb{Z} 58'15			9586 Jul 03 06:14	0° Ω		
	9583 Dec 27 16:39	30° \mathbb{R} \mathbb{A}		asc. node	9586 Jul 09 20:56	8° Ω 15'02		
direct	9584 Jan 11 09:22	25° \mathbb{A} 46'53			9586 Jul 27 08:52	0° \mathbb{M}		

	9586 Aug 20 16:30	0°♎			9589 Mar 19 09:46	0°♐
	9586 Sep 14 07:18	0°♍			9589 Apr 12 19:48	0°♑
	9586 Oct 09 09:06	0°♊		desc. node	9589 Apr 15 13:27	3°♑23'06
desc. node	9586 Oct 29 16:12	23°♊41'20			9589 May 06 23:14	0°♐
	9586 Nov 04 04:23	0°♑			9589 May 30 22:58	0°♒
	9586 Dec 01 06:22	0°♐		morning set	9589 Jun 20 10:11	25°♒38'54
evening max el	9586 Dec 22 05:37	21°♐25'06 45°58'56			9589 Jun 23 21:34	0°♑
	9586 Dec 31 11:28	0°♐			9589 Jul 17 21:08	0°♑
greatest brilliancy	9587 Jan 30 15:56	20°♐13'51 -4.8m				
retrograde	9587 Feb 09 11:03	22°♐00'24		superior conj	9589 Jul 29 18:43	14°♑50'38 -0°18'24
asc. node	9587 Feb 19 16:26	19°♐53'48		minimum elong	9589 Jul 29 23:10	15°♑04'29 0°18'26
evening set	9587 Feb 24 00:02	17°♐51'01		max. Earth dist.	9589 Aug 01 21:16	18°♑42'53 1.72115 AU
inferior conj	9587 Mar 02 06:56	14°♐09'03 2°40'15		asc. node	9589 Aug 06 09:16	24°♑19'05
minimum elong	9587 Mar 02 00:59	14°♐18'13 2°38'32			9589 Aug 10 22:52	0°♑
min. Earth dist.	9587 Mar 02 11:58	14°♐01'17 0.27416 AU			9589 Sep 04 03:16	0°♎
morning rise	9587 Mar 08 01:27	10°♐42'44		evening rise	9589 Sep 06 02:37	2°♎26'30
direct	9587 Mar 23 04:15	6°♐11'07			9589 Sep 28 10:47	0°♍
greatest brilliancy	9587 Apr 02 14:57	8°♐14'14 -4.9m			9589 Oct 22 22:34	0°♊
	9587 May 03 09:36	0°♑			9589 Nov 16 16:19	0°♑
morning max el	9587 May 12 16:49	9°♑01'58 46°57'44		desc. node	9589 Nov 26 03:35	11°♑22'58
	9587 Jun 01 10:32	0°♐			9589 Dec 11 17:53	0°♐
desc. node	9587 Jun 11 12:25	11°♐18'54			9590 Jan 06 05:42	0°♐
	9587 Jun 27 16:12	0°♒			9590 Feb 01 10:13	0°♑
	9587 Jul 22 22:16	0°♑			9590 Mar 01 06:02	0°♐
	9587 Aug 16 18:39	0°♑		evening max el	9590 Mar 04 19:24	3°♐35'09 46°40'34
	9587 Sep 10 10:52	0°♑		asc. node	9590 Mar 19 03:16	17°♐02'42
asc. node	9587 Oct 02 08:40	26°♑44'50			9590 Apr 05 11:43	0°♒
	9587 Oct 05 00:30	0°♎		greatest brilliancy	9590 Apr 14 06:48	4°♒11'30 -4.9m
	9587 Oct 29 11:45	0°♍		retrograde	9590 Apr 24 00:13	5°♒58'10
morning set	9587 Nov 12 05:20	16°♍53'09			9590 May 11 15:29	30°♒♎
	9587 Nov 22 20:50	0°♊		evening set	9590 May 12 04:43	29°♐40'04
	9587 Dec 17 04:29	0°♑		inferior conj	9590 May 14 15:26	28°♐10'05 9°13'47
max. Earth dist.	9587 Dec 17 21:43	0°♑53'09 1.73116 AU		minimum elong	9590 May 14 15:49	28°♐09'30 9°13'30
				min. Earth dist.	9590 May 14 15:52	28°♐09'25 0.27143 AU
superior conj	9587 Dec 18 19:34	2°♑00'39 1°10'41		morning rise	9590 May 17 02:56	26°♐38'58
minimum elong	9587 Dec 19 04:41	2°♑28'47 1°10'47		direct	9590 Jun 04 08:08	20°♐21'53
	9588 Jan 10 11:21	0°♐		greatest brilliancy	9590 Jun 13 22:58	22°♐06'50 -4.9m
desc. node	9588 Jan 22 01:35	14°♐20'01			9590 Jun 28 11:38	0°♒
evening rise	9588 Jan 25 15:28	18°♐45'36		desc. node	9590 Jul 09 00:00	8°♒14'42
	9588 Feb 03 17:30	0°♐		morning max el	9590 Jul 24 13:59	22°♒46'55 46°41'12
	9588 Feb 27 22:39	0°♑			9590 Jul 31 16:24	0°♑
	9588 Mar 23 03:08	0°♐			9590 Aug 28 05:38	0°♑
	9588 Apr 16 08:49	0°♒			9590 Sep 23 07:52	0°♑
	9588 May 10 19:26	0°♑			9590 Oct 18 18:15	0°♎
asc. node	9588 May 13 23:19	3°♑50'54		asc. node	9590 Oct 29 21:17	13°♎17'39
	9588 Jun 04 16:58	0°♑			9590 Nov 12 18:29	0°♍
	9588 Jun 30 12:25	0°♑			9590 Dec 07 11:03	0°♊
	9588 Jul 28 10:51	0°♎			9590 Dec 31 21:58	0°♑
evening max el	9588 Jul 29 13:47	1°♎07'01 46°18'33		morning set	9591 Jan 20 01:54	23°♑39'07
desc. node	9588 Sep 02 20:25	28°♎58'29			9591 Jan 25 05:01	0°♐
	9588 Sep 05 03:19	0°♍			9591 Feb 18 09:10	0°♐
greatest brilliancy	9588 Sep 06 06:41	0°♍27'23 -4.8m		desc. node	9591 Feb 18 14:00	0°♐15'03
retrograde	9588 Sep 17 08:10	2°♍41'14		max. Earth dist.	9591 Feb 24 11:00	7°♐33'48 1.72104 AU
	9588 Sep 28 22:05	30°♒♎				
evening set	9588 Oct 04 00:27	27°♎19'32		superior conj	9591 Feb 27 17:32	11°♐38'21 -0°22'02
min. Earth dist.	9588 Oct 08 02:36	24°♎49'47 0.28827 AU		minimum elong	9591 Feb 27 12:17	11°♐22'02 0°21'38
inferior conj	9588 Oct 08 18:57	24°♎24'13 -7°21'16			9591 Mar 14 10:44	0°♑
minimum elong	9588 Oct 08 09:45	24°♎38'35 7°19'41			9591 Apr 07 10:07	0°♐
morning rise	9588 Oct 12 19:24	21°♎56'15		evening rise	9591 Apr 08 08:04	1°♐08'47
direct	9588 Oct 30 04:35	16°♎14'29			9591 May 01 08:34	0°♒
greatest brilliancy	9588 Nov 09 00:07	17°♎59'35 -4.7m			9591 May 25 08:19	0°♑
	9588 Nov 29 13:00	0°♍		asc. node	9591 Jun 11 10:55	21°♑16'25
morning max el	9588 Dec 18 01:33	16°♍17'46 45°43'40			9591 Jun 18 12:07	0°♑
asc. node	9588 Dec 24 19:45	22°♍58'17			9591 Jul 12 23:04	0°♑
	9588 Dec 31 15:39	0°♊			9591 Aug 06 21:40	0°♎
	9589 Jan 27 21:37	0°♑			9591 Sep 01 16:52	0°♍
	9589 Feb 22 13:04	0°♐			9591 Sep 29 07:16	0°♊

desc. node	9591 Oct 01 07:11	2°♊02'20		morning set	9594 Apr 03 00:40	6°♊12'27	
evening max el	9591 Oct 09 09:05	10°♊02'31	45°46'17		9594 Apr 22 00:17	0°♋	
	9591 Nov 01 22:14	0°♋					
greatest brilliancy	9591 Nov 17 12:14	8°♋19'21	-4.7m	superior conj	9594 May 13 15:45	27°♋11'56	-1°27'47
retrograde	9591 Nov 27 04:31	10°♋01'26		minimum elong	9594 May 13 15:46	27°♋11'59	1°28'03
evening set	9591 Dec 14 12:13	4°♋22'55		max. Earth dist.	9594 May 13 10:25	26°♋55'11	1.71261 AU
inferior conj	9591 Dec 18 14:47	1°♋51'11	-7°11'40		9594 May 15 21:12	0°♌	
minimum elong	9591 Dec 19 00:14	1°♋36'20	7°09'44		9594 Jun 08 18:13	0°♍	
min. Earth dist.	9591 Dec 19 06:42	1°♋26'09	0.28806 AU	evening rise	9594 Jun 23 03:48	18°♍02'53	
	9591 Dec 21 14:05	30°♌♊			9594 Jul 02 17:18	0°♎	
morning rise	9591 Dec 23 11:55	28°♊51'18		asc. node	9594 Jul 08 22:52	7°♎46'30	
direct	9592 Jan 09 00:56	23°♊34'53			9594 Jul 26 20:02	0°♏	
greatest brilliancy	9592 Jan 20 01:59	25°♊48'18	-4.8m		9594 Aug 20 03:54	0°♐	
asc. node	9592 Jan 22 07:09	26°♊43'41			9594 Sep 13 19:08	0°♑	
	9592 Jan 28 12:05	0°♋			9594 Oct 08 21:41	0°♊	
morning max el	9592 Feb 27 19:11	25°♋13'16	46°19'08	desc. node	9594 Oct 28 18:14	23°♊08'02	
	9592 Mar 03 12:45	0°♌			9594 Nov 03 18:28	0°♋	
	9592 Mar 31 01:20	0°♌			9594 Nov 30 23:48	0°♌	
	9592 Apr 25 17:17	0°♍		evening max el	9594 Dec 19 20:59	19°♌11'06	45°57'47
desc. node	9592 May 13 02:11	20°♍54'42			9594 Dec 31 16:27	0°♌	
	9592 May 20 13:26	0°♎		greatest brilliancy	9595 Jan 28 05:02	17°♌53'05	-4.8m
	9592 Jun 13 23:35	0°♏		retrograde	9595 Feb 07 00:56	19°♌39'47	
	9592 Jul 08 05:19	0°♐		asc. node	9595 Feb 18 18:17	16°♌54'28	
	9592 Aug 01 10:03	0°♑		evening set	9595 Feb 21 13:15	15°♌31'02	
	9592 Aug 25 15:22	0°♒		inferior conj	9595 Feb 27 20:43	11°♌47'54	2°17'49
morning set	9592 Aug 31 16:02	7°♒27'36		minimum elong	9595 Feb 27 15:33	11°♌55'52	2°16'20
asc. node	9592 Sep 02 21:48	10°♒13'55		min. Earth dist.	9595 Feb 28 02:14	11°♌39'23	0.27450 AU
	9592 Sep 18 21:29	0°♓		morning rise	9595 Mar 05 17:26	8°♌18'36	
				direct	9595 Mar 20 19:12	3°♌49'30	
superior conj	9592 Oct 08 06:01	23°♓55'01	1°12'13	greatest brilliancy	9595 Mar 31 05:43	5°♌52'52	-4.9m
minimum elong	9592 Oct 07 21:11	23°♓27'46	1°12'06		9595 May 03 12:05	0°♍	
max. Earth dist.	9592 Oct 09 08:08	25°♓15'38	1.73109 AU	morning max el	9595 May 10 07:49	6°♍41'55	46°57'06
	9592 Oct 13 04:16	0°♎			9595 Jun 01 03:58	0°♎	
	9592 Nov 06 12:02	0°♏		desc. node	9595 Jun 10 14:26	10°♎38'58	
evening rise	9592 Nov 13 19:01	8°♏58'32			9595 Jun 27 06:42	0°♏	
	9592 Nov 30 21:34	0°♐			9595 Jul 22 11:18	0°♐	
desc. node	9592 Dec 23 15:25	27°♐51'38			9595 Aug 16 06:49	0°♑	
	9592 Dec 25 09:24	0°♑			9595 Sep 09 22:26	0°♒	
	9593 Jan 18 23:28	0°♒		asc. node	9595 Oct 01 10:35	26°♒16'18	
	9593 Feb 12 15:49	0°♓			9595 Oct 04 11:41	0°♓	
	9593 Mar 09 12:26	0°♋			9595 Oct 28 22:42	0°♎	
	9593 Apr 03 19:41	0°♌		morning set	9595 Nov 09 22:40	14°♎45'20	
asc. node	9593 Apr 15 14:05	13°♌35'46			9595 Nov 22 07:41	0°♏	
	9593 Apr 30 05:31	0°♍		max. Earth dist.	9595 Dec 15 17:14	28°♏51'54	1.73131 AU
evening max el	9593 May 16 15:28	17°♍18'34	46°54'33				
	9593 May 29 22:47	0°♎		superior conj	9595 Dec 16 12:37	29°♏51'43	1°12'32
greatest brilliancy	9593 Jun 25 16:07	18°♎03'55	-4.9m	minimum elong	9595 Dec 16 21:24	0°♐18'53	1°12'38
retrograde	9593 Jul 06 02:36	20°♎06'59			9595 Dec 16 15:18	0°♑	
evening set	9593 Jul 21 04:55	15°♎38'49			9596 Jan 09 22:13	0°♒	
inferior conj	9593 Jul 27 01:29	12°♎10'24	2°22'29	desc. node	9596 Jan 21 03:29	13°♒52'05	
minimum elong	9593 Jul 27 06:49	12°♎02'11	2°20'32	evening rise	9596 Jan 23 06:57	16°♒31'10	
min. Earth dist.	9593 Jul 26 20:38	12°♎17'52	0.27411 AU		9596 Feb 03 04:30	0°♓	
morning rise	9593 Aug 02 09:05	8°♎27'31			9596 Feb 27 09:54	0°♋	
desc. node	9593 Aug 05 11:18	6°♎56'14			9596 Mar 22 14:43	0°♌	
direct	9593 Aug 16 21:10	4°♎20'04			9596 Apr 15 20:49	0°♏	
greatest brilliancy	9593 Aug 26 18:30	6°♎07'19	-4.8m		9596 May 10 08:03	0°♐	
	9593 Sep 30 00:00	0°♏		asc. node	9596 May 13 01:20	3°♐18'21	
morning max el	9593 Oct 05 00:53	4°♏45'02	45°56'10		9596 Jun 04 06:41	0°♑	
	9593 Oct 29 14:17	0°♐			9596 Jun 30 04:20	0°♒	
	9593 Nov 25 10:50	0°♑		evening max el	9596 Jul 27 05:59	28°♒53'28	46°20'07
asc. node	9593 Nov 26 09:50	1°♑06'03			9596 Jul 28 08:55	0°♓	
	9593 Dec 21 02:50	0°♒		desc. node	9596 Sep 01 22:19	27°♓25'11	
	9594 Jan 15 02:31	0°♋		greatest brilliancy	9596 Sep 03 22:29	28°♓14'57	-4.8m
	9594 Feb 08 16:08	0°♌			9596 Sep 09 23:46	0°♎	
	9594 Mar 04 23:11	0°♌		retrograde	9596 Sep 15 00:16	0°♎28'51	
desc. node	9594 Mar 18 02:40	16°♌20'29			9596 Sep 19 21:46	30°♌♊	
	9594 Mar 29 01:28	0°♍		evening set	9596 Oct 01 13:13	25°♓12'25	

min. Earth dist.	9596 Oct 05 17:44	22° Ω 39'07	0.28782 AU	minimum elong	9599 Feb 25 02:42	9° Υ 03'41	0°18'04
inferior conj	9596 Oct 06 10:48	22° Ω 12'22	-7°10'18		9599 Mar 13 21:36	0° Υ	
minimum elong	9596 Oct 06 01:20	22° Ω 27'13	7°08'35	evening rise	9599 Apr 05 20:28	28° Υ 43'02	
morning rise	9596 Oct 10 13:48	19° Ω 40'34			9599 Apr 06 21:03	0° Υ	
direct	9596 Oct 27 20:32	14° Ω 03'35			9599 Apr 30 19:36	0° Π	
greatest brilliancy	9596 Nov 06 14:21	15° Ω 47'11	-4.7m		9599 May 24 19:32	0° Ω	
	9596 Nov 29 22:50	0° Π		asc. node	9599 Jun 10 12:52	20° Ω 47'05	
morning max el	9596 Dec 15 16:27	14° Π 04'18	45°43'08		9599 Jun 17 23:38	0° Ω	
asc. node	9596 Dec 23 21:40	22° Π 13'11			9599 Jul 12 11:05	0° Π	
	9596 Dec 31 09:37	0° Υ			9599 Aug 06 10:33	0° Ω	
	9597 Jan 27 11:53	0° Ω			9599 Sep 01 07:31	0° Π	
	9597 Feb 22 01:47	0° \approx			9599 Sep 29 02:28	0° Υ	
	9597 Mar 18 21:45	0° Υ		desc. node	9599 Sep 30 09:17	1° Υ 17'58	
	9597 Apr 12 07:22	0° Υ		evening max el	9599 Oct 06 23:19	7° Υ 47'46	45°46'52
desc. node	9597 Apr 14 15:31	2° Υ 53'46			9599 Nov 02 20:11	0° Ω	
	9597 May 06 10:35	0° Υ		greatest brilliancy	9599 Nov 15 02:53	6° Ω 07'54	-4.7m
	9597 May 30 10:10	0° Π		retrograde	9599 Nov 24 20:10	7° Ω 51'12	
morning set	9597 Jun 17 22:26	23° Π 12'09		evening set	9599 Dec 12 06:42	2° Ω 07'53	
	9597 Jun 23 08:39	0° Ω			9599 Dec 15 18:04	30° Υ 17'58	
	9597 Jul 17 08:07	0° Ω		inferior conj	9599 Dec 16 06:45	29° Υ 40'06	-7°22'33
				minimum elong	9599 Dec 16 15:54	29° Υ 25'44	7°20'45
superior conj	9597 Jul 27 08:12	12° Ω 28'57	-0°22'00	min. Earth dist.	9599 Dec 16 22:09	29° Υ 15'56	0.28847 AU
minimum elong	9597 Jul 27 13:29	12° Ω 45'22	0°22'01	morning rise	9599 Dec 21 00:47	26° Υ 44'55	
max. Earth dist.	9597 Jul 30 12:39	16° Ω 27'11	1.72068 AU	direct	9600 Jan 06 16:47	21° Υ 23'14	
asc. node	9597 Aug 05 11:07	23° Ω 50'48		greatest brilliancy	9600 Jan 17 18:21	23° Υ 37'05	-4.8m
	9597 Aug 10 09:48	0° Π		asc. node	9600 Jan 21 09:04	25° Υ 11'30	
evening rise	9597 Sep 03 18:30	0° Ω 13'23			9600 Jan 29 15:16	0° Ω	
	9597 Sep 03 14:11	0° Ω		morning max el	9600 Feb 25 10:50	22° Ω 58'55	46°17'35
	9597 Sep 27 21:47	0° Π			9600 Mar 03 08:38	0° \approx	
	9597 Oct 22 09:47	0° Υ			9600 Mar 30 16:25	0° Υ	
	9597 Nov 16 03:59	0° Ω			9600 Apr 25 06:29	0° Υ	
desc. node	9597 Nov 25 05:39	10° Ω 53'30		desc. node	9600 May 12 04:09	20° Υ 22'52	
	9597 Dec 11 06:17	0° \approx			9600 May 20 01:39	0° Υ	
	9598 Jan 05 19:21	0° Υ			9600 Jun 13 11:13	0° Π	
	9598 Feb 01 02:14	0° Υ			9600 Jul 07 16:33	0° Ω	
	9598 Mar 01 04:06	0° Υ			9600 Jul 31 21:01	0° Ω	
evening max el	9598 Mar 02 08:17	1° Υ 10'29	46°39'12		9600 Aug 25 02:08	0° Π	
asc. node	9598 Mar 18 05:16	15° Υ 57'44		morning set	9600 Aug 29 07:38	5° Π 14'07	
	9598 Apr 07 13:30	0° Π		asc. node	9600 Sep 01 23:46	9° Π 46'49	
greatest brilliancy	9598 Apr 11 20:21	1° Π 46'50	-4.9m		9600 Sep 18 08:08	0° Ω	
retrograde	9598 Apr 21 12:34	3° Π 32'44					
	9598 May 04 20:30	30° Υ 16'35		superior conj	9600 Oct 05 23:04	21° Ω 46'46	1°10'21
evening set	9598 May 09 16:40	27° Υ 16'35		minimum elong	9600 Oct 05 13:58	21° Ω 18'38	1°10'12
inferior conj	9598 May 12 04:28	25° Υ 44'56	9°13'38	max. Earth dist.	9600 Oct 07 02:04	23° Ω 10'09	1.73092 AU
minimum elong	9598 May 12 03:51	25° Υ 45'53	9°13'21		9600 Oct 12 14:50	0° Π	
min. Earth dist.	9598 May 12 04:53	25° Υ 44'18	0.27145 AU		9600 Nov 05 22:39	0° Υ	
morning rise	9598 May 14 15:03	24° Υ 15'06		evening rise	9600 Nov 11 12:14	6° Υ 51'07	
direct	9598 Jun 01 20:39	17° Υ 56'29			9600 Nov 30 08:19	0° Ω	
greatest brilliancy	9598 Jun 11 12:34	19° Υ 41'56	-4.9m	desc. node	9600 Dec 22 17:16	27° Ω 23'42	
	9598 Jun 29 08:11	0° Π			9600 Dec 24 20:25	0° \approx	
desc. node	9598 Jul 08 01:59	7° Π 09'44			9601 Jan 18 10:53	0° Υ	
morning max el	9598 Jul 22 02:30	20° Π 21'05	46°42'34		9601 Feb 12 03:50	0° Υ	
	9598 Jul 31 12:42	0° Ω			9601 Mar 09 01:21	0° Υ	
	9598 Aug 27 21:05	0° Ω			9601 Apr 03 10:13	0° Π	
	9598 Sep 22 21:13	0° Π		asc. node	9601 Apr 14 16:10	12° Π 57'03	
	9598 Oct 18 06:27	0° Ω			9601 Apr 29 23:30	0° Ω	
asc. node	9598 Oct 28 23:22	12° Ω 48'24		evening max el	9601 May 14 05:52	14° Ω 58'08	46°55'11
	9598 Nov 12 05:59	0° Π			9601 May 30 05:22	0° Ω	
	9598 Dec 06 22:08	0° Υ		greatest brilliancy	9601 Jun 23 06:48	15° Ω 43'46	-4.9m
	9598 Dec 31 08:51	0° Ω		retrograde	9601 Jul 03 17:22	17° Ω 46'57	
morning set	9599 Jan 17 17:46	21° Ω 26'15		evening set	9601 Jul 18 20:56	13° Ω 15'55	
	9599 Jan 24 15:49	0° \approx		inferior conj	9601 Jul 24 15:20	9° Ω 50'42	2°44'45
desc. node	9599 Feb 17 15:55	29° \approx 47'20		minimum elong	9601 Jul 24 21:27	9° Ω 41'18	2°42'35
	9599 Feb 17 19:59	0° Υ		min. Earth dist.	9601 Jul 24 11:07	9° Ω 57'11	0.27382 AU
max. Earth dist.	9599 Feb 22 01:02	5° Υ 14'24	1.72148 AU	morning rise	9601 Jul 30 22:21	6° Ω 09'03	
				desc. node	9601 Aug 04 13:11	3° Ω 59'19	
superior conj	9599 Feb 25 07:06	9° Υ 17'24	-0°18'26	direct	9601 Aug 14 10:57	2° Ω 00'38	

greatest brilliancy	9601 Aug 24 08:06	3°♎48'21 -4.8m
	9601 Sep 30 00:31	0°♏
morning max el	9601 Oct 02 16:28	2°♏32'24 45°57'21
	9601 Oct 29 06:26	0°♎
asc. node	9601 Nov 25 11:43	0°♎33'09
	9601 Nov 25 00:12	0°♎
	9601 Dec 20 14:55	0°♏
	9602 Jan 14 13:55	0°♎