

superior conj	14101 Feb 23 21:06	15° $\text{H}$ 21'31	0°36'24	minimum elong	14103 Jul 21 00:10	9° $\Omega$ 39'29	8°01'56
minimum elong	14101 Feb 24 04:42	15° $\text{H}$ 44'57	0°36'26	min. Earth dist.	14103 Jul 21 05:08	9° $\Omega$ 31'52	0.27239 AU
max. Earth dist.	14101 Feb 23 17:47	15° $\text{H}$ 11'16	1.73124 AU	morning rise	14103 Jul 24 18:59	7° $\Omega$ 22'49	
	14101 Mar 07 18:02	0° $\text{Y}$		direct	14103 Aug 10 09:44	2° $\Omega$ 00'53	
desc. node	14101 Mar 11 09:23	4° $\text{Y}$ 29'22		greatest brilliancy	14103 Aug 20 13:40	3° $\Omega$ 57'49	-4.9m
	14101 Apr 01 01:30	0° $\text{X}$		desc. node	14103 Aug 27 06:36	7° $\Omega$ 03'23	
evening rise	14101 Apr 02 23:13	2° $\text{X}$ 21'04			14103 Sep 25 03:33	0° $\text{M}$	
	14101 Apr 25 08:07	0° $\text{II}$		morning max el	14103 Sep 29 19:01	4° $\text{M}$ 32'56	46°46'25
	14101 May 19 14:02	0° $\text{S}$			14103 Oct 23 20:50	0° $\text{L}$	
	14101 Jun 12 20:39	0° $\Omega$			14103 Nov 19 07:29	0° $\text{M}$	
asc. node	14101 Jul 02 00:06	23° $\Omega$ 32'40			14103 Dec 14 20:15	0° $\text{X}$	
	14101 Jul 07 06:42	0° $\text{M}$		asc. node	14103 Dec 18 06:59	4° $\text{X}$ 06'17	
	14101 Aug 01 00:20	0° $\text{L}$			14104 Jan 08 20:50	0° $\text{Z}$	
	14101 Aug 26 09:02	0° $\text{M}$			14104 Feb 02 13:46	0° $\approx$	
	14101 Sep 22 03:01	0° $\text{X}$			14104 Feb 27 02:01	0° $\text{H}$	
evening max el	14101 Oct 05 03:47	13° $\text{X}$ 29'47	46°27'55		14104 Mar 22 11:18	0° $\text{Y}$	
desc. node	14101 Oct 21 22:51	28° $\text{X}$ 58'23		morning set	14104 Mar 28 02:48	6° $\text{Y}$ 57'44	
	14101 Oct 23 04:47	0° $\text{Z}$		desc. node	14104 Apr 07 23:54	20° $\text{Y}$ 23'56	
greatest brilliancy	14101 Nov 13 14:13	13° $\text{Z}$ 18'19	-4.8m		14104 Apr 15 18:06	0° $\text{X}$	
retrograde	14101 Nov 24 02:57	15° $\text{Z}$ 20'59		max. Earth dist.	14104 May 03 03:06	21° $\text{X}$ 32'52	1.72356 AU
evening set	14101 Dec 12 12:36	9° $\text{Z}$ 00'46					
min. Earth dist.	14101 Dec 15 04:10	7° $\text{Z}$ 22'34	0.28663 AU	superior conj	14104 May 06 01:35	25° $\text{X}$ 11'50	-1°01'31
inferior conj	14101 Dec 15 13:54	7° $\text{Z}$ 07'23	-8°52'27	minimum elong	14104 May 05 14:27	24° $\text{X}$ 37'13	1°01'54
minimum elong	14101 Dec 15 13:02	7° $\text{Z}$ 08'43	8°51'23		14104 May 09 22:16	0° $\text{II}$	
morning rise	14101 Dec 18 13:33	5° $\text{Z}$ 16'36			14104 Jun 02 23:54	0° $\text{S}$	
	14101 Dec 29 19:49	30° $\text{R}$ $\text{X}$		evening rise	14104 Jun 14 07:27	14° $\text{S}$ 08'09	
direct	14102 Jan 05 19:42	29° $\text{X}$ 01'32			14104 Jun 27 00:04	0° $\Omega$	
	14102 Jan 13 01:54	0° $\text{Z}$			14104 Jul 21 00:29	0° $\text{M}$	
greatest brilliancy	14102 Jan 15 21:01	0° $\text{Z}$ 51'15	-4.8m	asc. node	14104 Jul 29 13:22	10° $\text{M}$ 38'20	
asc. node	14102 Feb 12 01:42	18° $\text{Z}$ 32'02			14104 Aug 14 03:09	0° $\text{L}$	
morning max el	14102 Feb 23 18:58	29° $\text{Z}$ 19'06	45°43'38		14104 Sep 07 10:24	0° $\text{M}$	
	14102 Feb 24 11:48	0° $\approx$			14104 Oct 02 01:58	0° $\text{X}$	
	14102 Mar 25 00:22	0° $\text{H}$			14104 Oct 27 09:02	0° $\text{Z}$	
	14102 Apr 20 06:20	0° $\text{Y}$		desc. node	14104 Nov 18 08:51	24° $\text{Z}$ 59'15	
	14102 May 15 12:32	0° $\text{X}$			14104 Nov 22 22:43	0° $\approx$	
desc. node	14102 Jun 04 01:16	23° $\text{X}$ 40'58		evening max el	14104 Dec 15 10:48	23° $\approx$ 14'39	46°01'24
	14102 Jun 09 05:12	0° $\text{II}$			14104 Dec 22 15:46	0° $\text{H}$	
	14102 Jul 03 13:08	0° $\text{S}$		greatest brilliancy	14105 Jan 23 12:34	21° $\text{H}$ 42'22	-4.8m
	14102 Jul 27 15:40	0° $\Omega$		retrograde	14105 Feb 02 12:01	23° $\text{H}$ 30'28	
	14102 Aug 20 15:33	0° $\text{M}$		evening set	14105 Feb 18 06:06	18° $\text{H}$ 42'20	
morning set	14102 Aug 26 07:50	7° $\text{M}$ 06'27		inferior conj	14105 Feb 23 19:35	15° $\text{H}$ 19'43	-3°44'40
	14102 Sep 13 14:50	0° $\text{L}$		minimum elong	14105 Feb 24 03:21	15° $\text{H}$ 07'30	3°42'06
asc. node	14102 Sep 24 16:23	13° $\text{L}$ 50'21		min. Earth dist.	14105 Feb 24 04:18	15° $\text{H}$ 06'02	0.28551 AU
				morning rise	14105 Mar 02 00:29	11° $\text{H}$ 35'48	
superior conj	14102 Oct 04 16:57	26° $\text{L}$ 22'13	0°24'09	asc. node	14105 Mar 11 10:44	7° $\text{H}$ 47'18	
minimum elong	14102 Oct 04 11:13	26° $\text{L}$ 04'16	0°24'14	direct	14105 Mar 17 03:32	7° $\text{H}$ 07'55	
max. Earth dist.	14102 Oct 06 09:41	28° $\text{L}$ 29'25	1.71887 AU	greatest brilliancy	14105 Mar 27 22:31	9° $\text{H}$ 16'55	-4.8m
	14102 Oct 07 14:41	0° $\text{M}$			14105 Apr 26 18:13	0° $\text{Y}$	
	14102 Oct 31 15:58	0° $\text{X}$		morning max el	14105 May 05 17:34	8° $\text{Y}$ 32'12	46°12'07
evening rise	14102 Nov 11 18:40	13° $\text{X}$ 49'11			14105 May 26 06:07	0° $\text{X}$	
	14102 Nov 24 19:50	0° $\text{Z}$			14105 Jun 21 16:23	0° $\text{II}$	
	14102 Dec 19 04:00	0° $\approx$		desc. node	14105 Jul 01 13:05	11° $\text{II}$ 36'52	
	14103 Jan 12 18:14	0° $\text{H}$			14105 Jul 16 21:50	0° $\text{S}$	
desc. node	14103 Jan 14 06:58	1° $\text{H}$ 51'17			14105 Aug 10 12:56	0° $\Omega$	
	14103 Feb 06 15:53	0° $\text{Y}$			14105 Sep 03 20:55	0° $\text{M}$	
	14103 Mar 03 22:26	0° $\text{X}$			14105 Sep 28 01:53	0° $\text{L}$	
	14103 Mar 29 18:16	0° $\text{II}$		asc. node	14105 Oct 22 06:52	0° $\text{M}$ 03'23	
	14103 Apr 25 18:03	0° $\text{S}$			14105 Oct 22 05:46	0° $\text{M}$	
asc. node	14103 May 07 03:21	11° $\text{S}$ 53'21		morning set	14105 Nov 06 20:26	19° $\text{M}$ 23'43	
evening max el	14103 May 11 01:01	15° $\text{S}$ 47'55	46°25'51		14105 Nov 15 09:20	0° $\text{X}$	
	14103 May 26 08:52	0° $\Omega$			14105 Dec 09 13:16	0° $\text{Z}$	
greatest brilliancy	14103 Jun 20 10:58	15° $\Omega$ 59'08	-4.9m				
retrograde	14103 Jun 29 23:05	17° $\Omega$ 41'12		superior conj	14105 Dec 14 10:12	6° $\text{Z}$ 02'25	1°26'05
evening set	14103 Jul 17 05:14	11° $\Omega$ 57'25		minimum elong	14105 Dec 14 08:45	5° $\text{Z}$ 57'57	1°27'08
inferior conj	14103 Jul 20 14:37	9° $\Omega$ 54'10	8°04'18	max. Earth dist.	14105 Dec 16 15:54	8° $\text{Z}$ 48'49	1.72782 AU

	14106 Jan 02 18:43	0°≈		greatest brilliancy	14108 Jun 05 21:12	18°8'40"57	-4.8m
evening rise	14106 Jan 20 14:52	22°≈00'22			14108 Jun 24 19:10	0°II	
	14106 Jan 27 02:46	0°X		morning max el	14108 Jul 16 00:12	19°II13'29	46°52'16
desc. node	14106 Feb 10 20:40	18°X06'08			14108 Jul 26 09:55	0°☿	
	14106 Feb 20 13:47	0°Y		desc. node	14108 Jul 28 23:17	2°☿44'13	
	14106 Mar 17 03:17	0°8			14108 Aug 22 07:24	0°Ω	
	14106 Apr 10 19:03	0°II			14108 Sep 16 19:22	0°♍	
	14106 May 05 14:34	0°☿			14108 Oct 11 17:30	0°♌	
	14106 May 30 18:40	0°Ω			14108 Nov 05 09:02	0°♍	
asc. node	14106 Jun 03 14:00	4°Ω28'20		asc. node	14108 Nov 18 20:29	16°♍29'34	
	14106 Jun 25 18:08	0°♍			14108 Nov 29 20:40	0°♌	
evening max el	14106 Jul 23 03:31	29°♍22'23	46°44'26		14108 Dec 24 05:41	0°☿	
	14106 Jul 23 18:33	0°♌		morning set	14109 Jan 15 13:49	27°☿33'24	
greatest brilliancy	14106 Aug 31 16:23	29°♌42'23	-4.9m		14109 Jan 17 13:19	0°≈	
	14106 Sep 01 11:31	0°♍			14109 Feb 10 20:44	0°X	
retrograde	14106 Sep 11 09:32	1°♍50'12					
	14106 Sep 20 22:31	30°R♌		superior conj	14109 Feb 21 13:05	13°X10'44	0°39'28
desc. node	14106 Sep 23 15:35	28°♌50'33		minimum elong	14109 Feb 21 21:10	13°X35'39	0°39'31
evening set	14106 Sep 25 22:40	27°♌41'04		max. Earth dist.	14109 Feb 21 13:13	13°X11'10	1.73133 AU
min. Earth dist.	14106 Oct 01 17:31	24°♌18'11	0.27207 AU		14109 Mar 07 04:25	0°Y	
inferior conj	14106 Oct 02 06:12	23°♌58'45	-2°12'33	desc. node	14109 Mar 10 11:06	4°Y02'35	
minimum elong	14106 Oct 02 01:11	24°♌06'27	2°10'39	evening rise	14109 Mar 31 14:28	0°8'07'35	
morning rise	14106 Oct 08 04:16	20°♌30'35			14109 Mar 31 12:00	0°8	
direct	14106 Oct 23 02:14	16°♌13'44			14109 Apr 24 18:49	0°II	
greatest brilliancy	14106 Nov 01 16:34	17°♌55'09	-4.8m		14109 May 19 01:00	0°☿	
	14106 Nov 22 06:26	0°♍			14109 Jun 12 07:59	0°Ω	
morning max el	14106 Dec 11 08:11	16°♍50'18	46°03'04	asc. node	14109 Jul 01 01:55	23°Ω02'25	
	14106 Dec 24 10:01	0°♌			14109 Jul 06 18:33	0°♍	
asc. node	14107 Jan 14 18:00	23°♌05'28			14109 Jul 31 13:00	0°♌	
	14107 Jan 20 21:32	0°☿			14109 Aug 25 23:17	0°♍	
	14107 Feb 15 20:15	0°≈			14109 Sep 21 21:02	0°♌	
	14107 Mar 13 00:55	0°X		evening max el	14109 Oct 02 18:38	11°♌13'57	46°29'01
	14107 Apr 06 19:19	0°Y		desc. node	14109 Oct 21 00:52	27°♌55'54	
	14107 May 01 06:52	0°8			14109 Oct 23 15:20	0°☿	
desc. node	14107 May 06 14:03	6°8'31'57		greatest brilliancy	14109 Nov 11 04:15	11°☿04'08	-4.8m
	14107 May 25 13:01	0°II		retrograde	14109 Nov 21 18:57	13°☿08'46	
morning set	14107 Jun 10 04:43	19°II29'07		evening set	14109 Dec 10 02:37	6°☿50'30	
	14107 Jun 18 14:50	0°☿		inferior conj	14109 Dec 13 05:18	4°☿55'14	-8°51'20
	14107 Jul 12 13:50	0°Ω		minimum elong	14109 Dec 13 03:37	4°☿57'52	8°50'15
max. Earth dist.	14107 Jul 19 00:10	8°Ω03'54	1.71482 AU	min. Earth dist.	14109 Dec 12 18:20	5°☿12'20	0.28636 AU
				morning rise	14109 Dec 16 04:43	3°☿05'06	
superior conj	14107 Jul 20 02:24	9°Ω26'09	-1°16'30		14109 Dec 21 18:47	30°R♌	
minimum elong	14107 Jul 20 12:30	9°Ω57'49	1°17'08	direct	14110 Jan 03 10:50	26°♌49'48	
	14107 Aug 05 11:50	0°♍		greatest brilliancy	14110 Jan 13 11:12	28°♌38'59	-4.8m
asc. node	14107 Aug 27 03:36	27°♍08'32			14110 Jan 16 20:55	0°☿	
evening rise	14107 Aug 29 06:49	29°♍48'49		asc. node	14110 Feb 11 03:36	17°☿35'43	
	14107 Aug 29 10:23	0°♌		morning max el	14110 Feb 21 10:55	27°☿08'38	45°43'24
	14107 Sep 22 10:47	0°♍			14110 Feb 24 08:54	0°≈	
	14107 Oct 16 14:36	0°♌			14110 Mar 24 15:24	0°X	
	14107 Nov 10 00:24	0°☿			14110 Apr 19 19:11	0°Y	
	14107 Dec 04 20:00	0°≈			14110 May 15 00:22	0°8	
desc. node	14107 Dec 16 20:09	14°≈16'08		desc. node	14110 Jun 03 03:10	23°8'11'59	
	14107 Dec 30 06:45	0°X			14110 Jun 08 16:29	0°II	
	14108 Jan 25 17:47	0°Y			14110 Jul 03 00:07	0°☿	
	14108 Feb 23 06:48	0°8			14110 Jul 27 02:26	0°Ω	
evening max el	14108 Feb 25 09:59	2°8'04'51	45°59'16		14110 Aug 20 02:11	0°♍	
	14108 Apr 02 02:58	0°II		morning set	14110 Aug 23 20:36	4°♍42'56	
greatest brilliancy	14108 Apr 04 18:37	1°II02'14	-4.8m		14110 Sep 13 01:20	0°♌	
asc. node	14108 Apr 07 19:55	1°II57'50		asc. node	14110 Sep 23 18:16	13°♌23'29	
retrograde	14108 Apr 14 15:47	2°II51'06					
	14108 Apr 26 14:34	30°R8		superior conj	14110 Oct 02 06:44	24°♌02'40	0°20'37
evening set	14108 Apr 30 07:20	28°8'05'24		minimum elong	14110 Oct 02 01:46	23°♌47'07	0°20'42
inferior conj	14108 May 05 16:06	24°8'50'56	6°21'08	max. Earth dist.	14110 Oct 03 23:45	26°♌10'49	1.71856 AU
minimum elong	14108 May 05 05:21	25°8'07'45	6°17'55		14110 Oct 07 01:07	0°♍	
min. Earth dist.	14108 May 05 16:01	24°8'51'03	0.27946 AU		14110 Oct 31 02:22	0°♌	
morning rise	14108 May 10 03:04	22°8'06'48		evening rise	14110 Nov 09 10:30	11°♌37'02	
direct	14108 May 26 16:43	16°8'44'58			14110 Nov 24 06:17	0°☿	

	14110 Dec 18 14:36	0°♊		desc. node	14113 Jun 30 14:54	11°♊03'30	
	14111 Jan 12 05:11	0°♋			14113 Jul 16 10:13	0°♌	
desc. node	14111 Jan 13 08:44	1°♋23'24			14113 Aug 10 00:36	0°♍	
	14111 Feb 06 03:26	0°♌			14113 Sep 03 08:10	0°♎	
	14111 Mar 03 10:57	0°♍			14113 Sep 27 12:52	0°♏	
	14111 Mar 29 08:33	0°♎		asc. node	14113 Oct 21 08:43	29°♏35'43	
	14111 Apr 25 12:15	0°♏			14113 Oct 21 16:32	0°♐	
asc. node	14111 May 06 05:26	11°♏04'57		morning set	14113 Nov 04 11:14	17°♐07'32	
evening max el	14111 May 08 15:36	13°♏29'52 46°24'48			14113 Nov 14 19:55	0°♑	
	14111 May 26 18:21	0°♐			14113 Dec 08 23:45	0°♒	
greatest brilliancy	14111 Jun 17 23:33	13°♐35'40 -4.9m					
retrograde	14111 Jun 27 12:18	15°♐17'48		superior conj	14113 Dec 12 02:41	3°♒52'17 1°25'46	
evening set	14111 Jul 14 21:32	9°♐28'54		minimum elong	14113 Dec 12 00:28	3°♒45'24 1°26'50	
inferior conj	14111 Jul 18 03:33	7°♐30'19 8°15'16		max. Earth dist.	14113 Dec 14 08:05	6°♒37'46 1.72749 AU	
minimum elong	14111 Jul 18 12:34	7°♐16'26 8°13'05			14114 Jan 02 05:11	0°♓	
min. Earth dist.	14111 Jul 18 17:38	7°♐08'40 0.27269 AU		evening rise	14114 Jan 18 07:05	19°♓50'06	
morning rise	14111 Jul 22 03:32	5°♐05'12			14114 Jan 26 13:19	0°♋	
	14111 Aug 03 15:07	30°♑♌		desc. node	14114 Feb 09 22:30	17°♋39'11	
direct	14111 Aug 07 23:34	29°♌36'39			14114 Feb 20 00:31	0°♌	
	14111 Aug 12 10:01	0°♍			14114 Mar 16 14:21	0°♍	
greatest brilliancy	14111 Aug 18 02:01	1°♍32'32 -4.9m			14114 Apr 10 06:36	0°♎	
desc. node	14111 Aug 26 08:36	5°♍31'28			14114 May 05 02:55	0°♏	
	14111 Sep 25 03:38	0°♎			14114 May 30 08:21	0°♐	
morning max el	14111 Sep 27 09:25	2°♎13'03 46°47'35		asc. node	14114 Jun 02 15:49	3°♐52'52	
	14111 Oct 23 13:13	0°♏			14114 Jun 25 10:24	0°♑	
	14111 Nov 18 21:04	0°♐		evening max el	14114 Jul 20 16:22	26°♑57'47 46°44'16	
	14111 Dec 14 08:24	0°♑			14114 Jul 23 17:54	0°♒	
asc. node	14111 Dec 17 08:51	3°♑36'01		greatest brilliancy	14114 Aug 29 07:38	27°♒21'09 -4.9m	
	14112 Jan 08 08:09	0°♒		retrograde	14114 Sep 08 22:32	29°♒27'17	
	14112 Feb 02 00:36	0°♓		desc. node	14114 Sep 22 17:38	25°♒42'31	
	14112 Feb 26 12:36	0°♋		evening set	14114 Sep 23 11:35	25°♒19'01	
	14112 Mar 21 21:47	0°♌		inferior conj	14114 Sep 29 19:23	21°♒36'49 -1°49'27	
morning set	14112 Mar 25 18:15	4°♌45'04		minimum elong	14114 Sep 29 15:11	21°♒43'14 1°47'50	
desc. node	14112 Apr 07 01:50	19°♌57'33		min. Earth dist.	14114 Sep 29 08:19	21°♒53'44 0.27170 AU	
	14112 Apr 15 04:35	0°♍		morning rise	14114 Oct 05 19:14	18°♒05'59	
max. Earth dist.	14112 Apr 30 16:01	19°♍11'24 1.72394 AU		direct	14114 Oct 20 14:28	13°♒51'54	
				greatest brilliancy	14114 Oct 30 06:51	15°♒34'43 -4.8m	
superior conj	14112 May 03 15:14	22°♍52'32 -0°58'50			14114 Nov 22 18:06	0°♎	
minimum elong	14112 May 03 04:12	22°♍18'17 0°59'12		morning max el	14114 Dec 08 21:03	14°♎29'34 46°04'34	
	14112 May 09 08:46	0°♎			14114 Dec 24 04:31	0°♏	
	14112 Jun 02 10:29	0°♏		asc. node	14115 Jan 13 19:50	22°♏28'30	
evening rise	14112 Jun 11 19:43	11°♏43'17			14115 Jan 20 11:54	0°♐	
	14112 Jun 26 10:46	0°♐			14115 Feb 15 08:50	0°♑	
	14112 Jul 20 11:22	0°♑			14115 Mar 12 12:35	0°♒	
asc. node	14112 Jul 28 15:10	10°♑09'47			14115 Apr 06 06:30	0°♓	
	14112 Aug 13 14:19	0°♒			14115 Apr 30 17:47	0°♋	
	14112 Sep 06 21:58	0°♓		desc. node	14115 May 05 15:55	6°♋04'07	
	14112 Oct 01 14:11	0°♋			14115 May 24 23:48	0°♌	
	14112 Oct 26 22:30	0°♍		morning set	14115 Jun 07 16:41	17°♌03'08	
desc. node	14112 Nov 17 10:50	24°♍21'51			14115 Jun 18 01:36	0°♎	
	14112 Nov 22 14:59	0°♏			14115 Jul 12 00:37	0°♐	
evening max el	14112 Dec 13 02:18	21°♏03'28 46°02'06		max. Earth dist.	14115 Jul 16 06:42	5°♐20'03 1.71498 AU	
	14112 Dec 22 17:42	0°♋					
greatest brilliancy	14113 Jan 21 04:36	19°♋32'42 -4.8m		superior conj	14115 Jul 17 14:20	6°♐59'13 -1°18'18	
retrograde	14113 Jan 31 03:11	21°♋19'59		minimum elong	14115 Jul 17 23:51	7°♐29'04 1°19'00	
evening set	14113 Feb 16 00:21	16°♋28'36			14115 Aug 04 22:39	0°♑	
inferior conj	14113 Feb 21 11:28	13°♋09'06 -4°03'24		asc. node	14115 Aug 26 05:29	26°♑40'30	
minimum elong	14113 Feb 21 19:45	12°♋56'05 4°00'43		evening rise	14115 Aug 26 19:00	27°♑22'49	
min. Earth dist.	14113 Feb 21 20:23	12°♋55'06 0.28575 AU			14115 Aug 28 21:14	0°♒	
morning rise	14113 Feb 27 15:01	9°♋26'41			14115 Sep 21 21:44	0°♓	
asc. node	14113 Mar 10 12:48	5°♋19'24			14115 Oct 16 01:44	0°♋	
direct	14113 Mar 14 19:35	4°♋57'19			14115 Nov 09 11:53	0°♌	
greatest brilliancy	14113 Mar 25 14:27	7°♋05'44 -4.8m			14115 Dec 04 08:07	0°♍	
	14113 Apr 26 19:21	0°♌		desc. node	14115 Dec 15 21:58	13°♍44'29	
morning max el	14113 May 03 08:06	6°♌16'33 46°10'26			14115 Dec 29 20:00	0°♎	
	14113 May 25 22:27	0°♍			14116 Jan 25 09:22	0°♏	
	14113 Jun 21 06:00	0°♎		evening max el	14116 Feb 23 00:29	29°♏49'24 45°59'00	

	14116 Feb 23 04:52	0°♄			14118 Aug 19 13:08	0°♍	
greatest brilliancy	14116 Apr 02 08:13	28°♄44'46	-4.8m	morning set	14118 Aug 21 09:31	2°♍18'52	
asc. node	14116 Apr 06 21:55	0°♍01'29			14118 Sep 12 12:14	0°♌	
	14116 Apr 06 19:01	0°♍		asc. node	14118 Sep 22 20:09	12°♌55'19	
retrograde	14116 Apr 12 06:32	0°♍34'45					
	14116 Apr 17 14:44	30°♋♄		superior conj	14118 Sep 29 20:15	21°♌40'49	0°17'01
evening set	14116 Apr 27 18:58	25°♄52'33		minimum elong	14118 Sep 29 16:05	21°♌27'49	0°17'05
inferior conj	14116 May 03 06:51	22°♄33'54	6°04'40	max. Earth dist.	14118 Oct 01 14:47	23°♌53'47	1.71833 AU
minimum elong	14116 May 02 20:10	22°♄50'33	6°01'24		14118 Oct 06 12:00	0°♌	
min. Earth dist.	14116 May 03 06:34	22°♄34'20	0.27965 AU		14118 Oct 30 13:16	0°♌	
morning rise	14116 May 07 21:07	19°♄45'13		evening rise	14118 Nov 07 01:50	9°♌21'38	
direct	14116 May 24 07:44	14°♄27'29			14118 Nov 23 17:15	0°♋	
greatest brilliancy	14116 Jun 03 12:50	16°♄24'27	-4.8m		14118 Dec 18 01:45	0°♋	
	14116 Jun 25 06:45	0°♍			14119 Jan 11 16:41	0°♋	
morning max el	14116 Jul 13 15:27	16°♍55'59	46°51'19	desc. node	14119 Jan 12 10:37	0°♋54'17	
	14116 Jul 26 04:41	0°♌			14119 Feb 05 15:32	0°♎	
desc. node	14116 Jul 28 01:19	2°♌00'23			14119 Mar 03 00:04	0°♋	
	14116 Aug 21 22:18	0°♎			14119 Mar 28 23:31	0°♍	
	14116 Sep 16 08:34	0°♍			14119 Apr 25 07:25	0°♌	
	14116 Oct 11 05:45	0°♌		asc. node	14119 May 05 07:20	10°♌14'03	
	14116 Nov 04 20:39	0°♌		evening max el	14119 May 06 06:00	11°♌10'13	46°23'49
asc. node	14116 Nov 17 22:18	16°♌00'14			14119 May 27 07:40	0°♎	
	14116 Nov 29 07:52	0°♌		greatest brilliancy	14119 Jun 15 12:52	11°♎12'39	-4.9m
	14116 Dec 23 16:37	0°♋		retrograde	14119 Jun 25 01:21	12°♎54'13	
morning set	14117 Jan 13 06:36	25°♋23'46		evening set	14119 Jul 12 13:58	7°♎00'44	
	14117 Jan 17 00:05	0°♋		inferior conj	14119 Jul 15 16:48	5°♎06'33	8°25'13
	14117 Feb 10 07:26	0°♋		minimum elong	14119 Jul 16 01:12	4°♎53'37	8°23'13
				min. Earth dist.	14119 Jul 16 06:31	4°♎45'24	0.27295 AU
superior conj	14117 Feb 19 05:12	10°♋59'23	0°42'28	morning rise	14119 Jul 19 12:21	2°♎47'35	
minimum elong	14117 Feb 19 13:43	11°♋25'37	0°42'32		14119 Jul 24 18:48	30°♋♌	
max. Earth dist.	14117 Feb 19 09:35	11°♋12'53	1.73138 AU	direct	14119 Aug 05 13:15	27°♌12'38	
	14117 Mar 06 15:09	0°♎		greatest brilliancy	14119 Aug 15 14:50	29°♌07'33	-4.9m
desc. node	14117 Mar 09 13:04	3°♎35'32			14119 Aug 17 19:34	0°♎	
evening rise	14117 Mar 29 06:03	27°♎54'17		desc. node	14119 Aug 25 10:39	4°♎02'30	
	14117 Mar 30 22:48	0°♋		morning max el	14119 Sep 24 22:54	29°♎50'00	46°48'29
	14117 Apr 24 05:48	0°♍			14119 Sep 25 02:54	0°♍	
	14117 May 18 12:14	0°♌			14119 Oct 23 05:38	0°♌	
	14117 Jun 11 19:35	0°♎			14119 Nov 18 10:56	0°♌	
asc. node	14117 Jun 30 03:47	22°♎31'19			14119 Dec 13 20:57	0°♌	
	14117 Jul 06 06:44	0°♍		asc. node	14119 Dec 16 10:44	3°♌04'25	
	14117 Jul 31 02:09	0°♌			14120 Jan 07 19:56	0°♋	
	14117 Aug 25 14:13	0°♌			14120 Feb 01 11:54	0°♋	
	14117 Sep 21 16:11	0°♌			14120 Feb 25 23:37	0°♋	
evening max el	14117 Sep 30 10:14	8°♌58'12	46°30'00		14120 Mar 21 08:41	0°♎	
desc. node	14117 Oct 20 02:52	26°♌49'41		morning set	14120 Mar 23 09:30	2°♎30'31	
	14117 Oct 24 06:44	0°♋		desc. node	14120 Apr 06 03:34	19°♎29'19	
greatest brilliancy	14117 Nov 08 18:03	8°♋47'30	-4.8m		14120 Apr 14 15:27	0°♋	
retrograde	14117 Nov 19 10:56	10°♋53'58		max. Earth dist.	14120 Apr 28 03:56	16°♋45'41	1.72432 AU
evening set	14117 Dec 07 16:00	4°♋38'26					
inferior conj	14117 Dec 10 20:26	2°♋40'37	-8°49'28	superior conj	14120 May 01 04:54	20°♋32'10	-0°56'05
minimum elong	14117 Dec 10 17:54	2°♋44'35	8°48'20	minimum elong	14120 Apr 30 18:04	19°♋58'31	0°56'24
min. Earth dist.	14117 Dec 10 08:00	2°♋59'57	0.28603 AU		14120 May 08 19:40	0°♍	
morning rise	14117 Dec 13 19:56	0°♋50'35			14120 Jun 01 21:26	0°♌	
	14117 Dec 15 06:02	30°♋♌		evening rise	14120 Jun 09 08:09	9°♌17'52	
direct	14118 Jan 01 02:10	24°♌35'54			14120 Jun 25 21:49	0°♎	
greatest brilliancy	14118 Jan 11 00:31	26°♌23'49	-4.8m		14120 Jul 19 22:35	0°♍	
	14118 Jan 18 22:46	0°♋		asc. node	14120 Jul 27 17:06	9°♍40'45	
asc. node	14118 Feb 10 05:44	16°♋39'33			14120 Aug 13 01:46	0°♌	
morning max el	14118 Feb 19 02:46	24°♋56'33	45°43'14		14120 Sep 06 09:49	0°♌	
	14118 Feb 24 05:49	0°♋			14120 Oct 01 02:44	0°♌	
	14118 Mar 24 06:40	0°♋			14120 Oct 26 12:25	0°♋	
	14118 Apr 19 08:21	0°♎		desc. node	14120 Nov 16 12:39	23°♋42'22	
	14118 May 14 12:31	0°♋			14120 Nov 22 08:04	0°♋	
desc. node	14118 Jun 02 04:59	22°♋41'45		evening max el	14120 Dec 10 16:47	18°♋48'16	46°02'35
	14118 Jun 08 04:05	0°♍			14120 Dec 22 21:59	0°♋	
	14118 Jul 02 11:23	0°♌		greatest brilliancy	14121 Jan 18 20:39	17°♋21'00	-4.8m
	14118 Jul 26 13:31	0°♎		retrograde	14121 Jan 28 17:55	19°♋07'31	

evening set	14121 Feb 13 18:26	14° $\text{H}$ 12'31			14123 Aug 04 09:30	0° $\text{M}$	
inferior conj	14121 Feb 19 03:09	10° $\text{H}$ 56'31	-4°21'49	evening rise	14123 Aug 24 07:14	24° $\text{M}$ 56'49	
minimum elong	14121 Feb 19 11:52	10° $\text{H}$ 42'48	4°19'02	asc. node	14123 Aug 25 07:19	26° $\text{M}$ 12'13	
min. Earth dist.	14121 Feb 19 12:28	10° $\text{H}$ 41'52	0.28598 AU		14123 Aug 28 08:08	0° $\text{A}$	
morning rise	14121 Feb 25 05:07	7° $\text{H}$ 15'55			14123 Sep 21 08:42	0° $\text{M}$	
asc. node	14121 Mar 09 14:47	2° $\text{H}$ 54'14			14123 Oct 15 12:53	0° $\text{A}$	
direct	14121 Mar 12 10:58	2° $\text{H}$ 44'36			14123 Nov 08 23:21	0° $\text{Z}$	
greatest brilliancy	14121 Mar 23 06:41	4° $\text{H}$ 53'13	-4.8m		14123 Dec 03 20:11	0° $\approx$	
	14121 Apr 26 19:47	0° $\text{Y}$		desc. node	14123 Dec 14 23:58	13° $\approx$ 13'32	
morning max el	14121 Apr 30 22:05	3° $\text{Y}$ 58'19	46°08'58		14123 Dec 29 09:17	0° $\text{H}$	
	14121 May 25 14:51	0° $\text{B}$			14124 Jan 25 01:11	0° $\text{Y}$	
	14121 Jun 20 19:48	0° $\text{II}$		evening max el	14124 Feb 20 15:45	27° $\text{Y}$ 35'52	45°58'30
desc. node	14121 Jun 29 16:51	10° $\text{II}$ 29'49			14124 Feb 23 03:56	0° $\text{B}$	
	14121 Jul 15 22:47	0° $\text{G}$		greatest brilliancy	14124 Mar 30 21:26	26° $\text{B}$ 26'23	-4.8m
	14121 Aug 09 12:30	0° $\text{O}$		asc. node	14124 Apr 05 23:51	27° $\text{B}$ 59'45	
	14121 Sep 02 19:38	0° $\text{M}$		retrograde	14124 Apr 09 21:23	28° $\text{B}$ 17'31	
	14121 Sep 27 00:01	0° $\text{A}$		evening set	14124 Apr 25 06:38	23° $\text{B}$ 38'51	
asc. node	14121 Oct 20 10:28	29° $\text{A}$ 07'14		inferior conj	14124 Apr 30 21:23	20° $\text{B}$ 16'02	5°47'31
	14121 Oct 21 03:26	0° $\text{M}$		minimum elong	14124 Apr 30 10:53	20° $\text{B}$ 32'26	5°44'13
morning set	14121 Nov 02 02:16	14° $\text{M}$ 51'30		min. Earth dist.	14124 Apr 30 20:44	20° $\text{B}$ 17'03	0.27983 AU
	14121 Nov 14 06:40	0° $\text{A}$		morning rise	14124 May 05 14:56	17° $\text{B}$ 22'53	
	14121 Dec 08 10:27	0° $\text{Z}$		direct	14124 May 21 22:58	12° $\text{B}$ 09'27	
				greatest brilliancy	14124 Jun 01 03:48	14° $\text{B}$ 06'40	-4.8m
superior conj	14121 Dec 09 19:18	1° $\text{Z}$ 41'52	1°25'20		14124 Jun 25 15:24	0° $\text{II}$	
minimum elong	14121 Dec 09 16:19	1° $\text{Z}$ 32'38	1°26'23	morning max el	14124 Jul 11 06:48	14° $\text{II}$ 38'53	46°50'23
max. Earth dist.	14121 Dec 11 23:11	4° $\text{Z}$ 22'43	1.72724 AU		14124 Jul 25 22:57	0° $\text{G}$	
	14122 Jan 01 15:54	0° $\approx$		desc. node	14124 Jul 27 03:24	1° $\text{G}$ 17'16	
evening rise	14122 Jan 15 23:14	17° $\approx$ 38'52			14124 Aug 21 12:55	0° $\text{O}$	
	14122 Jan 26 00:10	0° $\text{H}$			14124 Sep 15 21:33	0° $\text{M}$	
desc. node	14122 Feb 09 00:24	17° $\text{H}$ 11'31			14124 Oct 10 17:47	0° $\text{A}$	
	14122 Feb 19 11:35	0° $\text{Y}$			14124 Nov 04 08:05	0° $\text{M}$	
	14122 Mar 16 01:44	0° $\text{B}$		asc. node	14124 Nov 17 00:11	15° $\text{M}$ 31'37	
	14122 Apr 09 18:29	0° $\text{II}$			14124 Nov 28 18:53	0° $\text{A}$	
	14122 May 04 15:36	0° $\text{G}$			14124 Dec 23 03:20	0° $\text{Z}$	
	14122 May 29 22:24	0° $\text{O}$		morning set	14125 Jan 10 23:45	23° $\text{Z}$ 15'58	
asc. node	14122 Jun 01 17:44	3° $\text{O}$ 16'47			14125 Jan 16 10:39	0° $\approx$	
	14122 Jun 25 03:12	0° $\text{M}$			14125 Feb 09 17:56	0° $\text{H}$	
evening max el	14122 Jul 18 05:09	24° $\text{M}$ 32'34	46°44'12				
	14122 Jul 23 18:32	0° $\text{A}$		superior conj	14125 Feb 16 21:38	8° $\text{H}$ 49'34	0°45'22
greatest brilliancy	14122 Aug 26 22:33	24° $\text{A}$ 59'15	-4.9m	minimum elong	14125 Feb 17 06:30	9° $\text{H}$ 16'57	0°45'28
retrograde	14122 Sep 06 11:54	27° $\text{A}$ 04'35		max. Earth dist.	14125 Feb 17 07:05	9° $\text{H}$ 18'43	1.73144 AU
evening set	14122 Sep 21 00:49	22° $\text{A}$ 56'31			14125 Mar 06 01:41	0° $\text{Y}$	
desc. node	14122 Sep 21 19:36	22° $\text{A}$ 31'08		desc. node	14125 Mar 08 14:49	3° $\text{Y}$ 08'26	
inferior conj	14122 Sep 27 08:40	19° $\text{A}$ 14'52	-1°26'09	evening rise	14125 Mar 26 21:42	25° $\text{Y}$ 41'35	
minimum elong	14122 Sep 27 05:20	19° $\text{A}$ 19'57	1°24'49		14125 Mar 30 09:29	0° $\text{B}$	
min. Earth dist.	14122 Sep 26 23:03	19° $\text{A}$ 29'33	0.27134 AU		14125 Apr 23 16:41	0° $\text{II}$	
morning rise	14122 Oct 03 10:11	15° $\text{A}$ 41'54			14125 May 17 23:24	0° $\text{G}$	
direct	14122 Oct 18 02:55	11° $\text{A}$ 29'58			14125 Jun 11 07:08	0° $\text{O}$	
greatest brilliancy	14122 Oct 27 21:08	13° $\text{A}$ 14'26	-4.8m	asc. node	14125 Jun 29 05:45	22° $\text{O}$ 00'51	
	14122 Nov 23 02:37	0° $\text{M}$			14125 Jul 05 18:50	0° $\text{M}$	
morning max el	14122 Dec 06 10:43	12° $\text{M}$ 10'50	46°06'05		14125 Jul 30 15:13	0° $\text{A}$	
	14122 Dec 23 22:31	0° $\text{A}$			14125 Aug 25 05:08	0° $\text{M}$	
asc. node	14123 Jan 12 21:55	21° $\text{A}$ 52'29			14125 Sep 21 11:37	0° $\text{A}$	
	14123 Jan 20 02:08	0° $\text{Z}$		evening max el	14125 Sep 28 02:12	6° $\text{A}$ 44'01	46°30'59
	14123 Feb 14 21:27	0° $\approx$		desc. node	14125 Oct 19 04:47	25° $\text{A}$ 42'23	
	14123 Mar 12 00:23	0° $\text{H}$			14125 Oct 25 02:56	0° $\text{Z}$	
	14123 Apr 05 17:50	0° $\text{Y}$		greatest brilliancy	14125 Nov 06 08:24	6° $\text{Z}$ 32'27	-4.8m
	14123 Apr 30 04:50	0° $\text{B}$		retrograde	14125 Nov 17 02:51	8° $\text{Z}$ 39'58	
desc. node	14123 May 04 17:43	5° $\text{B}$ 35'39		evening set	14125 Dec 05 05:10	2° $\text{Z}$ 28'00	
	14123 May 24 10:43	0° $\text{II}$		inferior conj	14125 Dec 08 11:37	0° $\text{Z}$ 27'04	-8°46'53
morning set	14123 Jun 05 04:30	14° $\text{II}$ 36'29		minimum elong	14125 Dec 08 08:16	0° $\text{Z}$ 32'17	8°45'40
	14123 Jun 17 12:26	0° $\text{G}$		min. Earth dist.	14125 Dec 07 21:50	0° $\text{Z}$ 48'31	0.28564 AU
	14123 Jul 11 11:28	0° $\text{O}$			14125 Dec 09 05:02	30° $\text{R}$ 27	
max. Earth dist.	14123 Jul 13 16:17	2° $\text{O}$ 45'37	1.71514 AU	morning rise	14125 Dec 11 11:33	28° $\text{A}$ 36'28	
				direct	14125 Dec 29 17:41	22° $\text{A}$ 23'18	
superior conj	14123 Jul 15 02:07	4° $\text{O}$ 31'42	-1°19'57	greatest brilliancy	14126 Jan 08 13:37	24° $\text{A}$ 09'25	-4.8m
minimum elong	14123 Jul 15 11:00	4° $\text{O}$ 59'34	1°20'42		14126 Jan 20 07:05	0° $\text{Z}$	

asc. node	14126 Feb 09 07:38	15°345'14			14128 Jul 19 09:30	0°♈		
morning max el	14126 Feb 16 17:54	22°343'57	45°43'07	asc. node	14128 Jul 26 18:55	9°♈12'14		
	14126 Feb 24 01:33	0°♊			14128 Aug 12 12:59	0°♊		
	14126 Mar 23 21:18	0°♋			14128 Sep 05 21:27	0°♌		
	14126 Apr 18 21:04	0°♌			14128 Sep 30 15:05	0°♍		
	14126 May 14 00:20	0°♍			14128 Oct 26 02:10	0°♎		
desc. node	14126 Jun 01 06:55	22°812'41		desc. node	14128 Nov 15 14:44	23°304'14		
	14126 Jun 07 15:26	0°♏			14128 Nov 22 01:07	0°♏		
	14126 Jul 01 22:28	0°♐		evening max el	14128 Dec 08 06:32	16°32'23	46°03'18	
	14126 Jul 26 00:24	0°♑			14128 Dec 23 03:40	0°♐		
morning set	14126 Aug 18 22:04	29°♑54'21		greatest brilliancy	14129 Jan 16 12:34	15°♐10'38	-4.8m	
	14126 Aug 18 23:52	0°♒		retrograde	14129 Jan 26 09:05	16°♐57'01		
	14126 Sep 11 22:52	0°♓		evening set	14129 Feb 11 12:43	11°♐57'55		
asc. node	14126 Sep 21 21:50	12°♓27'28		inferior conj	14129 Feb 16 18:59	8°♐45'41	-4°39'50	
				minimum elong	14129 Feb 17 04:06	8°♐31'21	4°36'58	
superior conj	14126 Sep 27 09:31	19°♓19'08	0°13'22	min. Earth dist.	14129 Feb 17 04:39	8°♐30'29	0.28621 AU	
minimum elong	14126 Sep 27 06:12	19°♓08'48	0°13'26	morning rise	14129 Feb 22 19:13	5°♐07'24		
behind sun begin	14126 Sep 26 16:19	18°♓25'23		asc. node	14129 Mar 08 16:43	0°♐35'48		
behind sun end	14126 Sep 27 20:06	19°♓52'13		direct	14129 Mar 10 02:20	0°♐33'29		
max. Earth dist.	14126 Sep 29 05:42	21°♓37'16	1.71803 AU	greatest brilliancy	14129 Mar 20 23:20	2°♐42'56	-4.8m	
	14126 Oct 05 22:35	0°♑			14129 Apr 26 18:29	0°♑		
	14126 Oct 29 23:51	0°♒		morning max el	14129 Apr 28 12:46	1°♑43'22	46°07'40	
evening rise	14126 Nov 04 17:07	7°♒07'03			14129 May 25 06:26	0°♒		
	14126 Nov 23 03:53	0°♓			14129 Jun 20 08:59	0°♓		
	14126 Dec 17 12:33	0°♊		desc. node	14129 Jun 28 18:52	9°♓57'53		
	14127 Jan 11 03:49	0°♋			14129 Jul 15 10:52	0°♓		
desc. node	14127 Jan 11 12:34	0°♋26'27			14129 Aug 08 23:59	0°♑		
	14127 Feb 05 03:16	0°♌			14129 Sep 02 06:46	0°♒		
	14127 Mar 02 12:49	0°♍			14129 Sep 26 10:53	0°♓		
	14127 Mar 28 14:12	0°♎		asc. node	14129 Oct 19 12:23	28°♓40'05		
	14127 Apr 25 02:41	0°♏			14129 Oct 20 14:05	0°♑		
evening max el	14127 May 03 19:16	8°♏48'51	46°22'33	morning set	14129 Oct 30 16:50	12°♑34'39		
asc. node	14127 May 04 09:16	9°♏23'21			14129 Nov 13 17:09	0°♒		
	14127 May 28 01:05	0°♑						
greatest brilliancy	14127 Jun 13 02:29	8°♑50'29	-4.9m	superior conj	14129 Dec 07 11:35	29°♒31'16	1°24'47	
retrograde	14127 Jun 22 13:45	10°♑31'01		minimum elong	14129 Dec 07 07:50	29°♒19'39	1°25'47	
evening set	14127 Jul 10 06:05	4°♑33'08			14129 Dec 07 20:50	0°♓		
inferior conj	14127 Jul 13 05:57	2°♑43'13	8°34'17	max. Earth dist.	14129 Dec 09 13:48	2°♓07'01	1.72695 AU	
minimum elong	14127 Jul 13 13:38	2°♑31'20	8°32'26		14130 Jan 01 02:18	0°♊		
min. Earth dist.	14127 Jul 13 19:38	2°♑22'03	0.27325 AU	evening rise	14130 Jan 13 15:22	15°♊28'34		
morning rise	14127 Jul 16 21:06	0°♑30'21			14130 Jan 25 10:40	0°♋		
	14127 Jul 17 17:51	30°♒00		desc. node	14130 Feb 08 02:10	16°♋44'29		
direct	14127 Aug 03 02:21	24°♒48'44			14130 Feb 18 22:18	0°♌		
greatest brilliancy	14127 Aug 13 04:16	26°♒43'31	-4.9m		14130 Mar 15 12:46	0°♍		
	14127 Aug 20 05:14	0°♑			14130 Apr 09 06:02	0°♎		
desc. node	14127 Aug 24 12:35	2°♑36'35			14130 May 04 03:57	0°♏		
morning max el	14127 Sep 22 11:26	27°♑24'59	46°49'32		14130 May 29 12:08	0°♑		
	14127 Sep 25 01:00	0°♒		asc. node	14130 May 31 19:47	2°♑42'12		
	14127 Oct 22 21:29	0°♓			14130 Jun 24 19:51	0°♒		
	14127 Nov 18 00:20	0°♑		evening max el	14130 Jul 15 18:16	22°♒09'35	46°43'59	
	14127 Dec 13 09:03	0°♒			14130 Jul 23 19:58	0°♓		
asc. node	14127 Dec 15 12:43	2°♒34'27		greatest brilliancy	14130 Aug 24 12:39	22°♓37'09	-4.9m	
	14128 Jan 07 07:15	0°♓		retrograde	14130 Sep 04 01:33	24°♓42'23		
	14128 Jan 31 22:46	0°♊		evening set	14130 Sep 18 14:08	20°♓33'58		
	14128 Feb 25 10:13	0°♋		desc. node	14130 Sep 20 21:34	19°♓16'56		
	14128 Mar 20 19:09	0°♌		inferior conj	14130 Sep 24 21:45	16°♓53'00	-1°02'24	
morning set	14128 Mar 21 01:17	0°♌18'53		minimum elong	14130 Sep 24 19:19	16°♓56'42	1°01'25	
desc. node	14128 Apr 05 05:24	19°♌02'46		min. Earth dist.	14130 Sep 24 13:18	17°♓05'51	0.27107 AU	
	14128 Apr 14 01:53	0°♍		morning rise	14130 Oct 01 00:50	13°♓18'20		
max. Earth dist.	14128 Apr 25 18:14	14°♍28'50	1.72471 AU	direct	14130 Oct 15 15:43	9°♓08'02		
				greatest brilliancy	14130 Oct 25 10:56	10°♓53'47	-4.8m	
superior conj	14128 Apr 28 19:05	18°♍14'51	-0°53'16		14130 Nov 23 08:34	0°♑		
minimum elong	14128 Apr 28 08:30	17°♍41'58	0°53'33	morning max el	14130 Dec 04 01:14	9°♑54'26	46°07'38	
	14128 May 08 06:07	0°♎			14130 Dec 23 15:57	0°♒		
	14128 Jun 01 07:59	0°♏		asc. node	14131 Jan 11 23:50	21°♒16'45		
evening rise	14128 Jun 06 20:58	6°♏54'56			14131 Jan 19 16:00	0°♓		
	14128 Jun 25 08:31	0°♑			14131 Feb 14 09:44	0°♊		

	14131 Mar 11 11:50	0° $\text{H}$			14133 Oct 26 06:44	0° $\text{Z}$	
	14131 Apr 05 04:49	0° $\text{Y}$		greatest brilliancy	14133 Nov 03 23:15	4° $\text{Z}$ 17'54	-4.8m
	14131 Apr 29 15:35	0° $\text{B}$		retrograde	14133 Nov 14 18:15	6° $\text{Z}$ 25'40	
desc. node	14131 May 03 19:37	5° $\text{B}$ 08'26		evening set	14133 Dec 02 17:58	0° $\text{Z}$ 18'01	
	14131 May 23 21:20	0° $\text{II}$			14133 Dec 03 05:52	30° $\text{R}$ 27	
morning set	14131 Jun 02 16:42	12° $\text{II}$ 11'57		min. Earth dist.	14133 Dec 05 11:56	28° $\text{Z}$ 36'30	0.28526 AU
	14131 Jun 16 23:00	0° $\text{D}$		inferior conj	14133 Dec 06 02:47	28° $\text{Z}$ 13'21	-8°43'24
	14131 Jul 10 22:00	0° $\text{O}$		minimum elong	14133 Dec 05 22:38	28° $\text{Z}$ 19'49	8°42'06
max. Earth dist.	14131 Jul 11 04:00	0° $\text{O}$ 18'49	1.71527 AU	morning rise	14133 Dec 09 03:31	26° $\text{Z}$ 21'27	
				direct	14133 Dec 27 09:00	20° $\text{Z}$ 10'31	
superior conj	14131 Jul 12 14:15	2° $\text{O}$ 06'12	-1°21'26	greatest brilliancy	14134 Jan 06 02:59	21° $\text{Z}$ 54'52	-4.8m
minimum elong	14131 Jul 12 22:25	2° $\text{O}$ 31'48	1°22'14		14134 Jan 21 06:18	0° $\text{Z}$	
	14131 Aug 03 20:03	0° $\text{M}$		asc. node	14134 Feb 08 09:34	14° $\text{Z}$ 51'34	
evening rise	14131 Aug 21 19:43	22° $\text{M}$ 32'34		morning max el	14134 Feb 14 08:10	20° $\text{Z}$ 28'37	45°43'00
asc. node	14131 Aug 24 09:04	25° $\text{M}$ 44'33			14134 Feb 23 20:53	0° $\approx$	
	14131 Aug 27 18:44	0° $\text{L}$			14134 Mar 23 11:57	0° $\text{H}$	
	14131 Sep 20 19:26	0° $\text{M}$			14134 Apr 18 09:53	0° $\text{Y}$	
	14131 Oct 14 23:51	0° $\text{Z}$			14134 May 13 12:14	0° $\text{B}$	
	14131 Nov 08 10:42	0° $\text{Z}$		desc. node	14134 May 31 08:51	21° $\text{B}$ 43'20	
	14131 Dec 03 08:12	0° $\approx$			14134 Jun 07 02:51	0° $\text{II}$	
desc. node	14131 Dec 14 01:52	12° $\approx$ 42'29			14134 Jul 01 09:35	0° $\text{D}$	
	14131 Dec 28 22:32	0° $\text{H}$			14134 Jul 25 11:21	0° $\text{O}$	
	14132 Jan 24 17:07	0° $\text{Y}$		morning set	14134 Aug 16 10:37	27° $\text{O}$ 29'26	
evening max el	14132 Feb 18 07:36	25° $\text{Y}$ 24'23	45°58'12		14134 Aug 18 10:43	0° $\text{M}$	
	14132 Feb 23 03:50	0° $\text{B}$			14134 Sep 11 09:38	0° $\text{L}$	
greatest brilliancy	14132 Mar 28 11:05	24° $\text{B}$ 09'37	-4.8m	asc. node	14134 Sep 20 23:45	11° $\text{L}$ 59'54	
asc. node	14132 Apr 05 01:53	25° $\text{B}$ 54'16					
retrograde	14132 Apr 07 12:20	26° $\text{B}$ 01'15		superior conj	14134 Sep 24 22:57	16° $\text{L}$ 57'33	0°09'41
evening set	14132 Apr 22 18:45	21° $\text{B}$ 26'09		minimum elong	14134 Sep 24 20:32	16° $\text{L}$ 49'59	0°09'46
inferior conj	14132 Apr 28 12:04	17° $\text{B}$ 59'20	5°29'55	behind sun begin	14134 Sep 24 00:37	15° $\text{L}$ 47'42	
minimum elong	14132 Apr 28 01:49	18° $\text{B}$ 15'20	5°26'38	behind sun end	14134 Sep 25 16:27	17° $\text{L}$ 52'15	
min. Earth dist.	14132 Apr 28 11:03	18° $\text{B}$ 00'55	0.27997 AU	max. Earth dist.	14134 Sep 26 18:18	19° $\text{L}$ 13'05	1.71771 AU
morning rise	14132 May 03 08:46	15° $\text{B}$ 01'38			14134 Oct 05 09:18	0° $\text{M}$	
direct	14132 May 19 14:27	9° $\text{B}$ 52'44			14134 Oct 29 10:33	0° $\text{Z}$	
greatest brilliancy	14132 May 29 18:31	11° $\text{B}$ 49'28	-4.8m	evening rise	14134 Nov 02 08:34	4° $\text{Z}$ 52'31	
	14132 Jun 25 21:16	0° $\text{II}$			14134 Nov 22 14:39	0° $\text{Z}$	
morning max el	14132 Jul 08 22:02	12° $\text{II}$ 22'12	46°49'24		14134 Dec 16 23:32	0° $\approx$	
	14132 Jul 25 16:33	0° $\text{D}$		desc. node	14135 Jan 10 14:21	29° $\approx$ 57'25	
desc. node	14132 Jul 26 05:12	0° $\text{D}$ 34'36			14135 Jan 10 15:12	0° $\text{H}$	
	14132 Aug 21 03:08	0° $\text{O}$			14135 Feb 04 15:18	0° $\text{Y}$	
	14132 Sep 15 10:14	0° $\text{M}$			14135 Mar 02 01:58	0° $\text{B}$	
	14132 Oct 10 05:35	0° $\text{L}$			14135 Mar 28 05:25	0° $\text{II}$	
	14132 Nov 03 19:20	0° $\text{M}$			14135 Apr 24 22:54	0° $\text{D}$	
asc. node	14132 Nov 16 02:06	15° $\text{M}$ 03'32		evening max el	14135 May 01 07:45	6° $\text{D}$ 24'46	46°21'30
	14132 Nov 28 05:47	0° $\text{Z}$		asc. node	14135 May 03 11:20	8° $\text{D}$ 31'10	
	14132 Dec 22 14:02	0° $\text{Z}$			14135 May 29 01:10	0° $\text{O}$	
morning set	14133 Jan 08 16:40	21° $\text{Z}$ 07'24		greatest brilliancy	14135 Jun 10 16:16	6° $\text{O}$ 27'57	-4.9m
	14133 Jan 15 21:12	0° $\approx$		retrograde	14135 Jun 20 02:08	8° $\text{O}$ 07'40	
	14133 Feb 09 04:25	0° $\text{H}$		evening set	14135 Jul 07 22:03	2° $\text{O}$ 05'25	
				inferior conj	14135 Jul 10 19:12	0° $\text{O}$ 19'32	8°42'18
superior conj	14133 Feb 14 13:50	6° $\text{H}$ 39'06	0°48'13	minimum elong	14135 Jul 11 02:08	0° $\text{O}$ 08'47	8°40'37
minimum elong	14133 Feb 14 23:01	7° $\text{H}$ 07'26	0°48'21		14135 Jul 11 07:49	30° $\text{R}$ 25	
max. Earth dist.	14133 Feb 15 02:54	7° $\text{H}$ 19'25	1.73143 AU	min. Earth dist.	14135 Jul 11 08:57	29° $\text{D}$ 58'15	0.27357 AU
	14133 Mar 05 12:12	0° $\text{Y}$		morning rise	14135 Jul 14 06:08	28° $\text{D}$ 12'42	
desc. node	14133 Mar 07 16:36	2° $\text{Y}$ 41'28		direct	14135 Jul 31 15:13	22° $\text{D}$ 24'16	
evening rise	14133 Mar 24 13:06	23° $\text{Y}$ 28'17		greatest brilliancy	14135 Aug 10 18:08	24° $\text{D}$ 19'32	-4.9m
	14133 Mar 29 20:08	0° $\text{B}$			14135 Aug 21 18:36	0° $\text{O}$	
	14133 Apr 23 03:33	0° $\text{II}$		desc. node	14135 Aug 23 14:37	1° $\text{O}$ 13'06	
	14133 May 17 10:33	0° $\text{D}$		morning max el	14135 Sep 20 00:13	24° $\text{O}$ 59'44	46°50'33
	14133 Jun 10 18:41	0° $\text{O}$			14135 Sep 24 22:33	0° $\text{M}$	
asc. node	14133 Jun 28 07:33	21° $\text{O}$ 29'48			14135 Oct 22 13:21	0° $\text{L}$	
	14133 Jul 05 07:00	0° $\text{M}$			14135 Nov 17 13:52	0° $\text{M}$	
	14133 Jul 30 04:23	0° $\text{L}$			14135 Dec 12 21:20	0° $\text{Z}$	
	14133 Aug 24 20:14	0° $\text{M}$		asc. node	14135 Dec 14 14:34	2° $\text{Z}$ 03'25	
	14133 Sep 21 07:37	0° $\text{Z}$			14136 Jan 06 18:48	0° $\text{Z}$	
evening max el	14133 Sep 25 17:43	4° $\text{Z}$ 28'42	46°31'51		14136 Jan 31 09:53	0° $\approx$	
desc. node	14133 Oct 18 06:50	24° $\text{Z}$ 33'31			14136 Feb 24 21:08	0° $\text{H}$	

morning set	14136 Mar 18 16:53	28° $\text{X}$ 05'39		evening set	14138 Sep 16 03:34	18° $\text{Q}$ 09'21	
	14136 Mar 20 05:59	0° $\text{Y}$		desc. node	14138 Sep 19 23:37	15° $\text{Q}$ 58'23	
desc. node	14136 Apr 04 07:19	18° $\text{Y}$ 35'21		inferior conj	14138 Sep 22 10:40	14° $\text{Q}$ 29'08	-0°38'25
	14136 Apr 13 12:42	0° $\text{X}$		minimum elong	14138 Sep 22 09:10	14° $\text{Q}$ 31'25	0°37'46
max. Earth dist.	14136 Apr 23 09:44	12° $\text{X}$ 14'26	1.72512 AU	min. Earth dist.	14138 Sep 22 03:07	14° $\text{Q}$ 40'36	0.27078 AU
				morning rise	14138 Sep 28 15:08	10° $\text{Q}$ 53'06	
superior conj	14136 Apr 26 08:57	15° $\text{X}$ 55'22	-0°50'19	direct	14138 Oct 13 04:49	6° $\text{Q}$ 44'21	
minimum elong	14136 Apr 25 22:40	15° $\text{X}$ 23'25	0°50'34	greatest brilliancy	14138 Oct 22 23:54	8° $\text{Q}$ 30'36	-4.8m
	14136 May 07 16:58	0° $\text{II}$			14138 Nov 23 13:06	0° $\text{III}$	
	14136 May 31 18:54	0° $\text{Q}$		morning max el	14138 Dec 01 15:58	7° $\text{III}$ 37'18	46°09'06
evening rise	14136 Jun 04 09:33	4° $\text{Q}$ 30'18			14138 Dec 23 09:26	0° $\text{X}$	
	14136 Jun 24 19:35	0° $\text{Q}$		asc. node	14139 Jan 11 01:41	20° $\text{X}$ 39'58	
	14136 Jul 18 20:47	0° $\text{III}$			14139 Jan 19 06:09	0° $\text{Z}$	
asc. node	14136 Jul 25 20:42	8° $\text{III}$ 42'31			14139 Feb 13 22:21	0° $\approx$	
	14136 Aug 12 00:34	0° $\text{Q}$			14139 Mar 10 23:38	0° $\text{X}$	
	14136 Sep 05 09:29	0° $\text{III}$			14139 Apr 04 16:10	0° $\text{Y}$	
	14136 Sep 30 03:53	0° $\text{X}$			14139 Apr 29 02:41	0° $\text{X}$	
	14136 Oct 25 16:28	0° $\text{Z}$		desc. node	14139 May 02 21:27	4° $\text{X}$ 39'54	
desc. node	14136 Nov 14 16:41	22° $\text{Z}$ 24'14			14139 May 23 08:19	0° $\text{II}$	
	14136 Nov 21 18:58	0° $\approx$		morning set	14139 May 31 04:52	9° $\text{II}$ 46'13	
evening max el	14136 Dec 05 20:30	14° $\approx$ 16'05	46°04'10		14139 Jun 16 09:59	0° $\text{Q}$	
	14136 Dec 23 12:17	0° $\text{X}$		max. Earth dist.	14139 Jul 08 14:30	27° $\text{Q}$ 46'48	1.71544 AU
greatest brilliancy	14137 Jan 14 03:47	12° $\text{X}$ 58'33	-4.8m				
retrograde	14137 Jan 24 00:42	14° $\text{X}$ 45'34		superior conj	14139 Jul 10 02:04	29° $\text{Q}$ 38'18	-1°22'46
evening set	14137 Feb 09 07:02	9° $\text{X}$ 42'00		minimum elong	14139 Jul 10 09:26	0° $\text{Q}$ 01'21	1°23'37
inferior conj	14137 Feb 14 10:45	6° $\text{X}$ 33'41	-4°57'20		14139 Jul 10 09:00	0° $\text{Q}$	
minimum elong	14137 Feb 14 20:14	6° $\text{X}$ 18'48	4°54'24		14139 Aug 03 07:04	0° $\text{III}$	
min. Earth dist.	14137 Feb 14 20:29	6° $\text{X}$ 18'25	0.28646 AU	evening rise	14139 Aug 19 07:38	20° $\text{III}$ 05'00	
morning rise	14137 Feb 20 09:10	2° $\text{X}$ 58'11		asc. node	14139 Aug 23 10:58	25° $\text{III}$ 15'54	
	14137 Feb 26 17:00	30° $\text{R}$ $\approx$			14139 Aug 27 05:47	0° $\text{Q}$	
direct	14137 Mar 07 17:53	28° $\approx$ 21'09			14139 Sep 20 06:36	0° $\text{III}$	
asc. node	14137 Mar 07 18:47	28° $\approx$ 21'09			14139 Oct 14 11:13	0° $\text{X}$	
	14137 Mar 17 04:36	0° $\text{X}$			14139 Nov 07 22:27	0° $\text{Z}$	
greatest brilliancy	14137 Mar 18 15:43	0° $\text{X}$ 31'22	-4.8m		14139 Dec 02 20:39	0° $\approx$	
morning max el	14137 Apr 26 04:16	29° $\text{X}$ 29'10	46°06'14	desc. node	14139 Dec 13 03:41	12° $\approx$ 09'56	
	14137 Apr 26 16:47	0° $\text{Y}$			14139 Dec 28 12:18	0° $\text{X}$	
	14137 May 24 22:17	0° $\text{X}$			14140 Jan 24 09:44	0° $\text{Y}$	
	14137 Jun 19 22:35	0° $\text{II}$		evening max el	14140 Feb 15 23:29	23° $\text{Y}$ 12'04	45°57'52
desc. node	14137 Jun 27 20:41	9° $\text{II}$ 24'00			14140 Feb 23 05:23	0° $\text{X}$	
	14137 Jul 14 23:21	0° $\text{Q}$		greatest brilliancy	14140 Mar 26 01:28	21° $\text{X}$ 53'01	-4.8m
	14137 Aug 08 11:52	0° $\text{Q}$		asc. node	14140 Apr 04 03:53	23° $\text{X}$ 43'14	
	14137 Sep 01 18:15	0° $\text{III}$		retrograde	14140 Apr 05 02:55	23° $\text{X}$ 44'19	
	14137 Sep 25 22:06	0° $\text{Q}$		evening set	14140 Apr 20 07:10	19° $\text{X}$ 12'47	
asc. node	14137 Oct 18 14:13	28° $\text{Q}$ 11'32		inferior conj	14140 Apr 26 02:52	15° $\text{X}$ 42'16	5°11'48
	14137 Oct 20 01:06	0° $\text{III}$		minimum elong	14140 Apr 25 16:55	15° $\text{X}$ 57'49	5°08'34
morning set	14137 Oct 28 07:16	10° $\text{III}$ 16'11		min. Earth dist.	14140 Apr 26 01:48	15° $\text{X}$ 43'56	0.28010 AU
	14137 Nov 13 04:02	0° $\text{X}$		morning rise	14140 May 01 02:34	12° $\text{X}$ 40'00	
				direct	14140 May 17 05:49	7° $\text{X}$ 35'44	
superior conj	14137 Dec 05 03:48	27° $\text{X}$ 19'09	1°24'04	greatest brilliancy	14140 May 27 09:28	9° $\text{X}$ 31'58	-4.8m
minimum elong	14137 Dec 04 23:18	27° $\text{X}$ 05'11	1°25'04		14140 Jun 26 01:30	0° $\text{II}$	
max. Earth dist.	14137 Dec 07 05:03	29° $\text{X}$ 51'58	1.72666 AU	morning max el	14140 Jul 06 12:17	10° $\text{II}$ 02'16	46°48'10
	14137 Dec 07 07:39	0° $\text{Z}$		desc. node	14140 Jul 25 07:15	29° $\text{II}$ 52'11	
	14137 Dec 31 13:07	0° $\approx$			14140 Jul 25 10:06	0° $\text{Q}$	
evening rise	14138 Jan 11 07:33	13° $\approx$ 17'15			14140 Aug 20 17:35	0° $\text{Q}$	
	14138 Jan 24 21:35	0° $\text{X}$			14140 Sep 14 23:13	0° $\text{III}$	
desc. node	14138 Feb 07 04:01	16° $\text{X}$ 16'27			14140 Oct 09 17:43	0° $\text{Q}$	
	14138 Feb 18 09:24	0° $\text{Y}$			14140 Nov 03 06:54	0° $\text{III}$	
	14138 Mar 15 00:14	0° $\text{X}$		asc. node	14140 Nov 15 03:54	14° $\text{III}$ 34'13	
	14138 Apr 08 18:03	0° $\text{II}$			14140 Nov 27 16:57	0° $\text{X}$	
	14138 May 03 16:52	0° $\text{Q}$			14140 Dec 22 00:56	0° $\text{Z}$	
	14138 May 29 02:35	0° $\text{Q}$		morning set	14141 Jan 06 09:27	18° $\text{Z}$ 57'43	
asc. node	14138 May 30 21:35	2° $\text{Q}$ 04'56			14141 Jan 15 07:57	0° $\approx$	
	14138 Jun 24 13:28	0° $\text{III}$			14141 Feb 08 15:08	0° $\text{X}$	
evening max el	14138 Jul 13 08:14	19° $\text{III}$ 47'08	46°43'52				
	14138 Jul 23 23:40	0° $\text{Q}$		superior conj	14141 Feb 12 06:09	4° $\text{X}$ 28'21	0°50'59
greatest brilliancy	14138 Aug 22 02:26	20° $\text{Q}$ 12'58	-4.9m	minimum elong	14141 Feb 12 15:35	4° $\text{X}$ 57'26	0°51'09
retrograde	14138 Sep 01 15:35	22° $\text{Q}$ 18'10		max. Earth dist.	14141 Feb 12 21:04	5° $\text{X}$ 14'21	1.73142 AU



	14141 Mar 04 22:57	0°♄	morning rise	14143 Jul 11 15:32	25°♄55'56	
desc. node	14141 Mar 06 18:32	2°♄14'16	direct	14143 Jul 29 04:08	20°♄00'44	
evening rise	14141 Mar 22 04:39	21°♄14'48	greatest brilliancy	14143 Aug 08 08:01	21°♄56'44	-4.9m
	14141 Mar 29 07:00	0°♄	desc. node	14143 Aug 22 16:37	29°♄53'14	
	14141 Apr 22 14:36	0°♄		14143 Aug 22 20:25	0°♄	
	14141 May 16 21:52	0°♄	morning max el	14143 Sep 17 13:55	22°♄37'37	46°51'33
	14141 Jun 10 06:24	0°♄		14143 Sep 24 19:01	0°♄	
asc. node	14141 Jun 27 09:27	20°♄58'27		14143 Oct 22 04:42	0°♄	
	14141 Jul 04 19:22	0°♄		14143 Nov 17 03:06	0°♄	
	14141 Jul 29 17:51	0°♄		14143 Dec 12 09:24	0°♄	
	14141 Aug 24 11:49	0°♄	asc. node	14143 Dec 13 16:26	1°♄33'00	
	14141 Sep 21 04:38	0°♄		14144 Jan 06 06:10	0°♄	
evening max el	14141 Sep 23 08:22	2°♄10'07 46°32'39		14144 Jan 30 20:49	0°♄	
desc. node	14141 Oct 17 08:48	23°♄21'32		14144 Feb 24 07:49	0°♄	
	14141 Oct 27 23:52	0°♄	morning set	14144 Mar 16 08:34	25°♄53'24	
greatest brilliancy	14141 Nov 01 14:43	2°♄02'49 -4.8m		14144 Mar 19 16:33	0°♄	
retrograde	14141 Nov 12 09:10	4°♄10'14	desc. node	14144 Apr 03 09:02	18°♄08'06	
	14141 Nov 26 23:52	30°♄		14144 Apr 12 23:14	0°♄	
evening set	14141 Nov 30 06:21	28°♄07'32	max. Earth dist.	14144 Apr 21 03:27	10°♄07'49 1.72552 AU	
min. Earth dist.	14141 Dec 03 02:18	26°♄22'59 0.28482 AU				
inferior conj	14141 Dec 03 17:51	25°♄58'45 -8°39'05	superior conj	14144 Apr 23 22:53	13°♄36'56 -0°47'18	
minimum elong	14141 Dec 03 12:54	26°♄06'27 8°37'42	minimum elong	14144 Apr 23 12:58	13°♄06'11 0°47'32	
morning rise	14141 Dec 06 19:41	24°♄05'04		14144 May 07 03:33	0°♄	
direct	14141 Dec 24 23:35	17°♄56'50		14144 May 31 05:35	0°♄	
greatest brilliancy	14142 Jan 03 16:43	19°♄40'01 -4.8m	evening rise	14144 Jun 01 22:27	2°♄07'27	
	14142 Jan 21 23:36	0°♄		14144 Jun 24 06:24	0°♄	
asc. node	14142 Feb 07 11:41	13°♄59'06		14144 Jul 18 07:47	0°♄	
morning max el	14142 Feb 11 21:37	18°♄11'01 45°43'00	asc. node	14144 Jul 24 22:39	8°♄14'12	
	14142 Feb 23 15:45	0°♄		14144 Aug 11 11:49	0°♄	
	14142 Mar 23 02:27	0°♄		14144 Sep 04 21:10	0°♄	
	14142 Apr 17 22:38	0°♄		14144 Sep 29 16:22	0°♄	
	14142 May 13 00:08	0°♄		14144 Oct 25 06:32	0°♄	
desc. node	14142 May 30 10:37	21°♄13'34	desc. node	14144 Nov 13 18:30	21°♄44'30	
	14142 Jun 06 14:15	0°♄		14144 Nov 21 12:54	0°♄	
	14142 Jun 30 20:41	0°♄	evening max el	14144 Dec 03 11:30	12°♄03'17 46°04'57	
	14142 Jul 24 22:15	0°♄		14144 Dec 23 23:30	0°♄	
morning set	14142 Aug 13 23:18	25°♄05'01	greatest brilliancy	14145 Jan 11 18:37	10°♄46'58 -4.8m	
	14142 Aug 17 21:31	0°♄	retrograde	14145 Jan 21 16:50	12°♄35'01	
	14142 Sep 10 20:23	0°♄	evening set	14145 Feb 07 01:27	7°♄26'59	
asc. node	14142 Sep 20 01:36	11°♄32'08	inferior conj	14145 Feb 12 02:33	4°♄22'35 -5°14'18	
			minimum elong	14145 Feb 12 12:20	4°♄07'15 5°11'20	
superior conj	14142 Sep 22 12:19	14°♄35'45 0°06'00	min. Earth dist.	14145 Feb 12 11:59	4°♄07'48 0.28670 AU	
minimum elong	14142 Sep 22 10:48	14°♄31'01 0°06'05	morning rise	14145 Feb 17 22:58	0°♄50'14	
behind sun begin	14142 Sep 21 11:39	13°♄18'39		14145 Feb 19 12:00	30°♄	
behind sun end	14142 Sep 23 09:57	15°♄43'24	direct	14145 Mar 05 09:50	26°♄09'54	
max. Earth dist.	14142 Sep 24 04:15	16°♄40'37 1.71745 AU	asc. node	14145 Mar 06 20:44	26°♄12'24	
	14142 Oct 04 20:01	0°♄	greatest brilliancy	14145 Mar 16 07:33	28°♄20'19 -4.8m	
	14142 Oct 28 21:16	0°♄		14145 Mar 20 03:34	0°♄	
evening rise	14142 Oct 30 23:43	2°♄36'56	morning max el	14145 Apr 23 20:36	27°♄18'20 46°04'49	
	14142 Nov 22 01:26	0°♄		14145 Apr 26 13:46	0°♄	
	14142 Dec 16 10:31	0°♄		14145 May 24 13:27	0°♄	
desc. node	14143 Jan 09 16:14	29°♄28'48		14145 Jun 19 11:38	0°♄	
	14143 Jan 10 02:34	0°♄	desc. node	14145 Jun 26 22:38	8°♄51'58	
	14143 Feb 04 03:19	0°♄		14145 Jul 14 11:24	0°♄	
	14143 Mar 01 15:07	0°♄		14145 Aug 07 23:20	0°♄	
	14143 Mar 27 20:45	0°♄		14145 Sep 01 05:20	0°♄	
	14143 Apr 24 19:41	0°♄		14145 Sep 25 08:53	0°♄	
evening max el	14143 Apr 28 20:10	4°♄01'04 46°20'30	asc. node	14145 Oct 17 15:58	27°♄44'06	
asc. node	14143 May 02 13:14	7°♄37'55		14145 Oct 19 11:40	0°♄	
	14143 May 30 10:29	0°♄	morning set	14145 Oct 25 22:04	8°♄00'13	
greatest brilliancy	14143 Jun 08 05:51	4°♄05'54 -4.8m		14145 Nov 12 14:27	0°♄	
retrograde	14143 Jun 17 15:04	5°♄45'28				
	14143 Jul 04 23:44	30°♄	superior conj	14145 Dec 02 20:11	25°♄08'53 1°23'14	
evening set	14143 Jul 05 13:46	29°♄39'05	minimum elong	14145 Dec 02 14:59	24°♄52'45 1°24'13	
inferior conj	14143 Jul 08 08:34	27°♄56'50 8°49'12	max. Earth dist.	14145 Dec 04 22:45	27°♄45'49 1.72641 AU	
minimum elong	14143 Jul 08 14:43	27°♄47'20 8°47'41		14145 Dec 06 18:00	0°♄	
min. Earth dist.	14143 Jul 08 22:15	27°♄35'41 0.27387 AU		14145 Dec 30 23:31	0°♄	

evening rise	14146 Jan 08 23:53	11° $\approx$ 07'32		morning max el	14148 Jul 04 01:45	7° $\Pi$ 41'28	46°47'00
	14146 Jan 24 08:06	0° $\text{H}$		desc. node	14148 Jul 24 09:17	29° $\Pi$ 11'22	
desc. node	14146 Feb 06 05:55	15° $\text{H}$ 49'47			14148 Jul 25 02:51	0° $\text{G}$	
	14146 Feb 17 20:08	0° $\text{Y}$			14148 Aug 20 07:27	0° $\Omega$	
	14146 Mar 14 11:19	0° $\text{B}$			14148 Sep 14 11:43	0° $\text{M}$	
	14146 Apr 08 05:42	0° $\Pi$			14148 Oct 09 05:25	0° $\underline{\Omega}$	
	14146 May 03 05:25	0° $\text{G}$			14148 Nov 02 18:05	0° $\text{M}$	
	14146 May 28 16:45	0° $\Omega$		asc. node	14148 Nov 14 05:47	14° $\text{M}$ 06'16	
asc. node	14146 May 29 23:32	1° $\Omega$ 29'10			14148 Nov 27 03:46	0° $\text{X}$	
	14146 Jun 24 07:00	0° $\text{M}$			14148 Dec 21 11:29	0° $\text{Z}$	
evening max el	14146 Jul 10 23:04	17° $\text{M}$ 28'13	46°43'35	morning set	14149 Jan 04 02:21	16° $\text{Z}$ 49'30	
	14146 Jul 24 04:36	0° $\underline{\Omega}$			14149 Jan 14 18:20	0° $\approx$	
greatest brilliancy	14146 Aug 19 16:28	17° $\underline{\Omega}$ 50'30	-4.9m		14149 Feb 08 01:28	0° $\text{H}$	
retrograde	14146 Aug 30 05:35	19° $\underline{\Omega}$ 55'05					
evening set	14146 Sep 13 17:18	15° $\underline{\Omega}$ 45'58		superior conj	14149 Feb 09 22:45	2° $\text{H}$ 19'42	0°53'39
desc. node	14146 Sep 19 01:34	12° $\underline{\Omega}$ 40'06		minimum elong	14149 Feb 10 08:23	2° $\text{H}$ 49'24	0°53'52
inferior conj	14146 Sep 19 23:35	12° $\underline{\Omega}$ 06'37	-0°14'21	max. Earth dist.	14149 Feb 10 14:47	3° $\text{H}$ 09'05	1.73140 AU
minimum elong	14146 Sep 19 23:01	12° $\underline{\Omega}$ 07'28	0°14'03		14149 Mar 04 09:21	0° $\text{Y}$	
transit middle	14146 Sep 19 23:01	12° $\underline{\Omega}$ 07'28	0°14'03	desc. node	14149 Mar 05 20:16	1° $\text{Y}$ 47'35	
transit begin	14146 Sep 19 20:51	12° $\underline{\Omega}$ 10'46		evening rise	14149 Mar 19 20:25	19° $\text{Y}$ 03'09	
transit end	14146 Sep 20 01:12	12° $\underline{\Omega}$ 04'10			14149 Mar 28 17:33	0° $\text{B}$	
min. Earth dist.	14146 Sep 19 16:58	12° $\underline{\Omega}$ 16'41	0.27048 AU		14149 Apr 22 01:22	0° $\Pi$	
morning rise	14146 Sep 26 05:12	8° $\underline{\Omega}$ 29'19			14149 May 16 08:56	0° $\text{G}$	
direct	14146 Oct 10 18:08	4° $\underline{\Omega}$ 22'14			14149 Jun 09 17:54	0° $\Omega$	
greatest brilliancy	14146 Oct 20 12:32	6° $\underline{\Omega}$ 08'19	-4.8m	asc. node	14149 Jun 26 11:24	20° $\Omega$ 27'59	
	14146 Nov 23 15:14	0° $\text{M}$			14149 Jul 04 07:32	0° $\text{M}$	
morning max el	14146 Nov 29 06:21	5° $\text{M}$ 20'54	46°10'38		14149 Jul 29 07:10	0° $\underline{\Omega}$	
	14146 Dec 23 01:56	0° $\text{X}$			14149 Aug 24 03:21	0° $\text{M}$	
asc. node	14147 Jan 10 03:47	20° $\text{X}$ 05'46		evening max el	14149 Sep 20 22:09	29° $\text{M}$ 50'05	46°33'26
	14147 Jan 18 19:36	0° $\text{Z}$			14149 Sep 21 02:07	0° $\text{X}$	
	14147 Feb 13 10:24	0° $\approx$		desc. node	14149 Oct 16 10:43	22° $\text{X}$ 08'04	
	14147 Mar 10 10:57	0° $\text{H}$		greatest brilliancy	14149 Oct 30 06:09	29° $\text{X}$ 48'06	-4.8m
	14147 Apr 04 03:03	0° $\text{Y}$			14149 Oct 30 19:01	0° $\text{Z}$	
	14147 Apr 28 13:20	0° $\text{B}$		retrograde	14149 Nov 09 23:54	1° $\text{Z}$ 55'23	
desc. node	14147 May 01 23:15	4° $\text{B}$ 12'39			14149 Nov 19 19:27	30° $\text{R}$ $\text{X}$	
	14147 May 22 18:53	0° $\Pi$		evening set	14149 Nov 27 18:21	25° $\text{X}$ 57'47	
morning set	14147 May 28 17:06	7° $\Pi$ 22'10		min. Earth dist.	14149 Nov 30 16:54	24° $\text{X}$ 09'28	0.28438 AU
	14147 Jun 15 20:30	0° $\text{G}$		inferior conj	14149 Dec 01 08:51	23° $\text{X}$ 44'38	-8°33'58
max. Earth dist.	14147 Jul 05 23:56	25° $\text{G}$ 12'55	1.71562 AU	minimum elong	14149 Dec 01 03:08	23° $\text{X}$ 53'33	8°32'27
				morning rise	14149 Dec 04 12:05	21° $\text{X}$ 48'46	
superior conj	14147 Jul 07 14:00	27° $\text{G}$ 12'13	-1°23'55	direct	14149 Dec 22 13:40	15° $\text{X}$ 43'21	
minimum elong	14147 Jul 07 20:30	27° $\text{G}$ 32'35	1°24'50	greatest brilliancy	14150 Jan 01 07:01	17° $\text{X}$ 26'13	-4.8m
	14147 Jul 09 19:32	0° $\Omega$			14150 Jan 22 12:09	0° $\text{Z}$	
	14147 Aug 02 17:38	0° $\text{M}$		asc. node	14150 Feb 06 13:34	13° $\text{Z}$ 07'49	
evening rise	14147 Aug 16 19:31	17° $\text{M}$ 38'40		morning max el	14150 Feb 09 11:11	15° $\text{Z}$ 54'15	45°43'16
asc. node	14147 Aug 22 12:47	24° $\text{M}$ 48'19			14150 Feb 23 09:49	0° $\approx$	
	14147 Aug 26 16:26	0° $\underline{\Omega}$			14150 Mar 22 16:30	0° $\text{H}$	
	14147 Sep 19 17:22	0° $\text{M}$			14150 Apr 17 11:04	0° $\text{Y}$	
	14147 Oct 13 22:12	0° $\text{X}$			14150 May 12 11:46	0° $\text{B}$	
	14147 Nov 07 09:47	0° $\text{Z}$		desc. node	14150 May 29 12:35	20° $\text{B}$ 45'00	
	14147 Dec 02 08:39	0° $\approx$			14150 Jun 06 01:28	0° $\Pi$	
desc. node	14147 Dec 12 05:41	11° $\approx$ 39'16			14150 Jun 30 07:39	0° $\text{G}$	
	14147 Dec 28 01:40	0° $\text{H}$			14150 Jul 24 09:03	0° $\Omega$	
	14148 Jan 24 02:08	0° $\text{Y}$		morning set	14150 Aug 11 11:36	22° $\Omega$ 39'38	
evening max el	14148 Feb 13 14:48	20° $\text{Y}$ 59'41	45°57'24		14150 Aug 17 08:13	0° $\text{M}$	
	14148 Feb 23 07:49	0° $\text{B}$			14150 Sep 10 07:02	0° $\underline{\Omega}$	
greatest brilliancy	14148 Mar 23 16:23	19° $\text{B}$ 38'15	-4.8m	asc. node	14150 Sep 19 03:18	11° $\underline{\Omega}$ 04'16	
retrograde	14148 Apr 02 16:58	21° $\text{B}$ 28'42					
asc. node	14148 Apr 03 05:48	21° $\text{B}$ 28'22		superior conj	14150 Sep 20 01:22	12° $\underline{\Omega}$ 13'19	0°02'16
evening set	14148 Apr 17 19:48	17° $\text{B}$ 00'23		minimum elong	14150 Sep 20 00:46	12° $\underline{\Omega}$ 11'27	0°02'21
inferior conj	14148 Apr 23 17:43	13° $\text{B}$ 26'35	4°53'14	behind sun begin	14150 Sep 19 00:11	10° $\underline{\Omega}$ 54'33	
minimum elong	14148 Apr 23 08:08	13° $\text{B}$ 41'36	4°50'03	behind sun end	14150 Sep 21 01:21	13° $\underline{\Omega}$ 28'20	
min. Earth dist.	14148 Apr 23 17:01	13° $\text{B}$ 27'40	0.28026 AU	max. Earth dist.	14150 Sep 21 13:04	14° $\underline{\Omega}$ 04'59	1.71721 AU
morning rise	14148 Apr 28 20:18	10° $\text{B}$ 19'48			14150 Oct 04 06:38	0° $\text{M}$	
direct	14148 May 14 20:46	5° $\text{B}$ 19'59			14150 Oct 28 07:54	0° $\text{X}$	
greatest brilliancy	14148 May 25 01:10	7° $\text{B}$ 16'23	-4.8m	evening rise	14150 Oct 28 14:43	0° $\text{X}$ 21'14	
	14148 Jun 26 03:37	0° $\Pi$			14150 Nov 21 12:10	0° $\text{Z}$	

	14150 Dec 15 21:28	0°♊			14153 May 24 04:36	0°♎		
desc. node	14151 Jan 08 18:09	29°♊00'21			14153 Jun 19 00:46	0°♎		
	14151 Jan 09 13:55	0°♋		desc. node	14153 Jun 26 00:38	8°♎19'42		
	14151 Feb 03 15:20	0°♌			14153 Jul 13 23:33	0°♏		
	14151 Mar 01 04:17	0°♍			14153 Aug 07 10:58	0°♐		
	14151 Mar 27 12:12	0°♎			14153 Aug 31 16:38	0°♑		
	14151 Apr 24 17:05	0°♏			14153 Sep 24 19:57	0°♒		
evening max el	14151 Apr 26 09:06	1°♏39'08	46°19'29	asc. node	14153 Oct 16 17:53	27°♒16'12		
asc. node	14151 May 01 15:12	6°♏44'02			14153 Oct 18 22:32	0°♓		
	14151 Jun 01 12:45	0°♐		morning set	14153 Oct 23 12:27	5°♓41'55		
greatest brilliancy	14151 Jun 05 18:36	1°♐42'57	-4.8m		14153 Nov 12 01:12	0°♈		
retrograde	14151 Jun 15 04:19	3°♐23'09						
	14151 Jun 28 04:42	30°♑		superior conj	14153 Nov 30 12:07	22°♈56'04	1°22'17	
evening set	14151 Jul 03 05:05	27°♑12'48		minimum elong	14153 Nov 30 06:13	22°♈37'47	1°23'13	
inferior conj	14151 Jul 05 21:50	25°♑33'43	8°55'11	max. Earth dist.	14153 Dec 02 17:13	25°♈40'56	1.72612 AU	
minimum elong	14151 Jul 06 03:08	25°♑25'32	8°53'47		14153 Dec 06 04:42	0°♉		
min. Earth dist.	14151 Jul 06 11:07	25°♑13'13	0.27422 AU		14153 Dec 30 10:14	0°♊		
morning rise	14151 Jul 09 01:05	23°♑38'31		evening rise	14154 Jan 06 15:51	8°♊55'42		
direct	14151 Jul 26 17:32	17°♑36'43			14154 Jan 23 18:57	0°♋		
greatest brilliancy	14151 Aug 05 21:33	19°♑33'12	-4.9m	desc. node	14154 Feb 05 07:40	15°♋21'33		
desc. node	14151 Aug 21 18:33	28°♑35'21			14154 Feb 17 07:14	0°♌		
	14151 Aug 23 15:34	0°♒			14154 Mar 13 22:48	0°♍		
morning max el	14151 Sep 15 04:33	20°♒17'26	46°52'28		14154 Apr 07 17:46	0°♎		
	14151 Sep 24 15:00	0°♑			14154 May 02 18:24	0°♏		
	14151 Oct 21 19:57	0°♒			14154 May 28 07:21	0°♐		
	14151 Nov 16 16:17	0°♓		asc. node	14154 May 29 01:35	0°♐52'38		
asc. node	14151 Dec 11 21:27	0°♈			14154 Jun 24 01:12	0°♑		
	14151 Dec 12 18:26	1°♈02'58		evening max el	14154 Jul 08 13:50	15°♑08'31	46°43'15	
	14152 Jan 05 17:33	0°♉			14154 Jul 24 11:58	0°♒		
	14152 Jan 30 07:48	0°♊		greatest brilliancy	14154 Aug 17 06:57	15°♒28'01	-4.9m	
	14152 Feb 23 18:35	0°♋		retrograde	14154 Aug 27 19:09	17°♒31'13		
morning set	14152 Mar 14 00:32	23°♋41'46		evening set	14154 Sep 11 07:21	13°♒21'43		
	14152 Mar 19 03:12	0°♌		inferior conj	14154 Sep 17 12:36	9°♒43'24	0°09'45	
desc. node	14152 Apr 02 10:52	17°♌41'00		minimum elong	14154 Sep 17 12:59	9°♒42'49	0°09'41	
	14152 Apr 12 09:51	0°♍		transit middle	14154 Sep 17 12:59	9°♒42'49	0°09'41	
max. Earth dist.	14152 Apr 18 22:18	8°♍04'29	1.72584 AU	transit begin	14154 Sep 17 09:40	9°♒47'52		
				transit end	14154 Sep 17 16:18	9°♒37'46		
superior conj	14152 Apr 21 13:07	11°♍19'14	-0°44'14	min. Earth dist.	14154 Sep 17 07:07	9°♒51'45	0.27024 AU	
minimum elong	14152 Apr 21 03:39	10°♍49'53	0°44'26	desc. node	14154 Sep 18 03:32	9°♒20'39		
	14152 May 06 14:12	0°♎		morning rise	14154 Sep 23 19:05	6°♒04'49		
evening rise	14152 May 30 11:42	29°♎45'32		direct	14154 Oct 08 07:28	1°♒59'22		
	14152 May 30 16:20	0°♏		greatest brilliancy	14154 Oct 18 01:38	3°♒45'18	-4.8m	
	14152 Jun 23 17:19	0°♐			14154 Nov 23 16:32	0°♓		
	14152 Jul 17 18:57	0°♑		morning max el	14154 Nov 26 20:03	3°♓01'20	46°12'00	
asc. node	14152 Jul 24 00:26	7°♑44'52			14154 Dec 22 18:38	0°♈		
	14152 Aug 10 23:18	0°♒		asc. node	14155 Jan 09 05:39	19°♈29'51		
	14152 Sep 04 09:08	0°♓			14155 Jan 18 09:24	0°♉		
	14152 Sep 29 05:11	0°♈			14155 Feb 12 22:49	0°♊		
	14152 Oct 24 21:02	0°♉			14155 Mar 09 22:37	0°♋		
desc. node	14152 Nov 12 20:35	21°♉04'15			14155 Apr 03 14:19	0°♌		
	14152 Nov 21 07:36	0°♊			14155 Apr 28 00:24	0°♍		
evening max el	14152 Dec 01 03:08	9°♊51'13	46°05'49	desc. node	14155 May 01 01:09	3°♍44'25		
	14152 Dec 24 15:10	0°♋			14155 May 22 05:50	0°♎		
greatest brilliancy	14153 Jan 09 09:10	8°♋34'16	-4.8m	morning set	14155 May 26 05:22	4°♎56'59		
retrograde	14153 Jan 19 08:49	10°♋23'12			14155 Jun 15 07:25	0°♏		
evening set	14153 Feb 04 19:52	5°♋10'49		max. Earth dist.	14155 Jul 03 06:41	22°♏29'39	1.71575 AU	
inferior conj	14153 Feb 09 18:11	2°♋10'17	-5°30'57					
minimum elong	14153 Feb 10 04:12	1°♋54'35	5°27'58	superior conj	14155 Jul 05 02:13	24°♏46'02	-1°24'56	
min. Earth dist.	14153 Feb 10 03:05	1°♋56'19	0.28691 AU	minimum elong	14155 Jul 05 07:49	25°♏03'34	1°25'52	
	14153 Feb 13 06:27	30°♌			14155 Jul 09 06:25	0°♐		
morning rise	14153 Feb 15 12:24	28°♌41'18			14155 Aug 02 04:31	0°♑		
direct	14153 Mar 03 02:04	23°♌57'35		evening rise	14155 Aug 14 07:39	15°♑12'06		
asc. node	14153 Mar 05 22:42	24°♌07'11		asc. node	14155 Aug 21 14:32	24°♑19'36		
greatest brilliancy	14153 Mar 13 22:40	26°♌07'23	-4.8m		14155 Aug 26 03:23	0°♒		
	14153 Mar 21 22:10	0°♍			14155 Sep 19 04:27	0°♓		
morning max el	14153 Apr 21 13:02	25°♍07'03	46°03'33		14155 Oct 13 09:32	0°♈		
	14153 Apr 26 10:19	0°♌			14155 Nov 06 21:33	0°♉		

	14155 Dec 01 21:11	0°≈			14158 Jul 23 20:08	0°Ω	
desc. node	14155 Dec 11 07:34	11°≈06'44		morning set	14158 Aug 08 23:50	20°Ω13'04	
	14155 Dec 27 15:39	0°✕			14158 Aug 16 19:12	0°⌘	
	14156 Jan 23 19:26	0°Υ			14158 Sep 09 17:57	0°♁	
evening max el	14156 Feb 11 05:09	18°Υ43'33	45°57'01				
	14156 Feb 23 12:39	0°♄		superior conj	14158 Sep 17 14:27	9°♁50'03	-0°01'32
greatest brilliancy	14156 Mar 21 07:25	17°♄22'11	-4.8m	minimum elong	14158 Sep 17 14:47	9°♁51'06	0°01'26
retrograde	14156 Mar 31 06:50	19°♄11'51		behind sun begin	14158 Sep 16 14:03	8°♁33'39	
asc. node	14156 Apr 02 07:51	19°♄06'54		behind sun end	14158 Sep 18 15:32	11°♁08'32	
evening set	14156 Apr 15 08:34	14°♄46'07		asc. node	14158 Sep 18 05:13	10°♁36'17	
inferior conj	14156 Apr 21 08:32	11°♄09'36	4°34'14	max. Earth dist.	14158 Sep 18 22:43	11°♁30'59	1.71695 AU
minimum elong	14156 Apr 20 23:23	11°♄23'57	4°31'07		14158 Oct 03 17:29	0°♌	
min. Earth dist.	14156 Apr 21 08:29	11°♄09'40	0.28042 AU	evening rise	14158 Oct 26 06:00	28°♌05'43	
morning rise	14156 Apr 26 13:55	7°♄58'28			14158 Oct 27 18:43	0°♊	
direct	14156 May 12 11:15	3°♄02'38			14158 Nov 20 23:04	0°♋	
greatest brilliancy	14156 May 22 17:28	5°♄00'07	-4.8m		14158 Dec 15 08:35	0°≈	
	14156 Jun 26 04:55	0°♐		desc. node	14159 Jan 07 19:58	28°≈31'02	
morning max el	14156 Jul 01 15:07	5°♐19'03	46°45'59		14159 Jan 09 01:27	0°✕	
desc. node	14156 Jul 23 11:05	28°♐29'13			14159 Feb 03 03:36	0°Υ	
	14156 Jul 24 19:43	0°♄			14159 Feb 28 17:49	0°♄	
	14156 Aug 19 21:32	0°Ω			14159 Mar 27 04:12	0°♐	
	14156 Sep 14 00:27	0°⌘		evening max el	14159 Apr 23 23:07	29°♐19'16	46°18'30
	14156 Oct 08 17:22	0°♁			14159 Apr 24 15:43	0°♄	
	14156 Nov 02 05:32	0°♌		asc. node	14159 Apr 30 17:15	5°♄48'29	
asc. node	14156 Nov 13 07:41	13°♌37'33		greatest brilliancy	14159 Jun 03 06:48	29°♄18'55	-4.8m
	14156 Nov 26 14:53	0°♊			14159 Jun 05 12:27	0°Ω	
	14156 Dec 20 22:22	0°♋		retrograde	14159 Jun 12 17:57	1°Ω00'13	
morning set	14157 Jan 01 19:11	14°♋39'49			14159 Jun 19 17:51	30°♊♄	
	14157 Jan 14 05:06	0°≈		evening set	14159 Jun 30 20:04	24°♄46'31	
				inferior conj	14159 Jul 03 11:08	23°♄10'00	9°00'12
superior conj	14157 Feb 07 15:16	0°✕09'28	0°56'15	minimum elong	14159 Jul 03 15:34	23°♄03'09	8°58'54
minimum elong	14157 Feb 08 01:03	0°✕39'39	0°56'29	min. Earth dist.	14159 Jul 03 23:36	22°♄50'46	0.27456 AU
	14157 Feb 07 12:12	0°✕		morning rise	14159 Jul 06 11:00	21°♄19'59	
max. Earth dist.	14157 Feb 08 07:32	0°✕59'39	1.73140 AU	direct	14159 Jul 24 07:33	15°♄12'23	
	14157 Mar 03 20:09	0°Υ		greatest brilliancy	14159 Aug 03 10:31	17°♄08'32	-4.9m
desc. node	14157 Mar 04 22:05	1°Υ19'52		desc. node	14159 Aug 20 20:36	27°♄19'36	
evening rise	14157 Mar 17 12:01	16°Υ49'52			14159 Aug 24 06:06	0°Ω	
	14157 Mar 28 04:30	0°♄		morning max el	14159 Sep 12 19:45	17°Ω58'14	46°53'16
	14157 Apr 21 12:32	0°♐			14159 Sep 24 10:34	0°⌘	
	14157 May 15 20:25	0°♄			14159 Oct 21 11:08	0°♁	
	14157 Jun 09 05:50	0°Ω			14159 Nov 16 05:29	0°♌	
asc. node	14157 Jun 25 13:13	19°Ω55'47			14159 Dec 11 09:32	0°♊	
	14157 Jul 03 20:10	0°⌘		asc. node	14159 Dec 11 20:15	0°♊32'12	
	14157 Jul 28 20:57	0°♁			14160 Jan 05 04:57	0°♋	
	14157 Aug 23 19:27	0°♌			14160 Jan 29 18:49	0°≈	
evening max el	14157 Sep 18 11:57	27°♌29'29	46°34'26		14160 Feb 23 05:23	0°✕	
	14157 Sep 21 00:42	0°♊		morning set	14160 Mar 11 16:47	21°✕30'54	
desc. node	14157 Oct 15 12:47	20°♊52'25			14160 Mar 18 13:56	0°Υ	
greatest brilliancy	14157 Oct 27 21:10	27°♊32'39	-4.8m	desc. node	14160 Apr 01 12:48	17°Υ13'54	
retrograde	14157 Nov 07 15:08	29°♊40'46			14160 Apr 11 20:35	0°♄	
evening set	14157 Nov 25 06:22	23°♊48'10		max. Earth dist.	14160 Apr 16 15:46	5°♄56'38	1.72621 AU
min. Earth dist.	14157 Nov 28 07:37	21°♊56'09	0.28396 AU				
inferior conj	14157 Nov 29 00:04	21°♊30'32	-8°28'00	superior conj	14160 Apr 19 03:22	9°♄01'16	-0°41'05
minimum elong	14157 Nov 28 17:38	21°♊40'33	8°26'22	minimum elong	14160 Apr 18 18:24	8°♄33'30	0°41'15
morning rise	14157 Dec 02 05:06	19°♊32'09			14160 May 06 00:59	0°♐	
direct	14157 Dec 20 03:52	13°♊29'44		evening rise	14160 May 28 00:45	27°♐22'43	
greatest brilliancy	14157 Dec 29 21:43	15°♊12'43	-4.8m		14160 May 30 03:13	0°♄	
	14158 Jan 22 21:36	0°♋			14160 Jun 23 04:22	0°Ω	
asc. node	14158 Feb 05 15:31	12°♋16'58			14160 Jul 17 06:12	0°⌘	
morning max el	14158 Feb 07 01:46	13°♋39'15	45°43'25	asc. node	14160 Jul 23 02:16	7°⌘15'19	
	14158 Feb 23 03:46	0°≈			14160 Aug 10 10:53	0°♁	
	14158 Mar 22 06:46	0°✕			14160 Sep 03 21:13	0°♌	
	14158 Apr 16 23:47	0°Υ			14160 Sep 28 18:10	0°♊	
	14158 May 11 23:42	0°♄			14160 Oct 24 11:47	0°♋	
desc. node	14158 May 28 14:29	20°♄15'19		desc. node	14160 Nov 11 22:32	20°♋23'12	
	14158 Jun 05 12:57	0°♐			14160 Nov 21 02:49	0°≈	
	14158 Jun 29 18:52	0°♄		evening max el	14160 Nov 28 19:28	7°≈40'54	46°06'46

	14160 Dec 25 12:01	0° $\text{H}$		morning set	14163 May 23 17:54	2° $\text{II}$ 33'36	
greatest brilliancy	14161 Jan 07 00:15	6° $\text{H}$ 22'58 -4.8m			14163 Jun 14 18:03	0° $\text{G}$	
retrograde	14161 Jan 17 00:49	8° $\text{H}$ 12'20		max. Earth dist.	14163 Jun 30 12:08	19° $\text{G}$ 43'02	1.71601 AU
evening set	14161 Feb 02 14:36	2° $\text{H}$ 55'52					
inferior conj	14161 Feb 07 10:04	29° $\approx$ 59'09 -5°46'57		superior conj	14163 Jul 02 14:25	22° $\text{G}$ 20'32	-1°25'46
minimum elong	14161 Feb 07 20:16	29° $\approx$ 43'10 5°43'58		minimum elong	14163 Jul 02 19:03	22° $\text{G}$ 35'02	1°26'44
	14161 Feb 07 09:32	30° $\text{R}$ $\approx$			14163 Jul 08 17:04	0° $\Omega$	
min. Earth dist.	14161 Feb 07 18:22	29° $\approx$ 46'09 0.28709 AU			14163 Aug 01 15:13	0° $\text{P}$	
morning rise	14161 Feb 13 01:53	26° $\approx$ 33'35		evening rise	14163 Aug 11 19:18	12° $\text{P}$ 44'35	
direct	14161 Feb 28 18:41	21° $\approx$ 46'42		asc. node	14163 Aug 20 16:28	23° $\text{P}$ 51'53	
asc. node	14161 Mar 05 00:45	22° $\approx$ 07'45			14163 Aug 25 14:10	0° $\text{L}$	
greatest brilliancy	14161 Mar 11 13:35	23° $\approx$ 55'10 -4.8m			14163 Sep 18 15:23	0° $\text{M}$	
	14161 Mar 23 02:44	0° $\text{H}$			14163 Oct 12 20:41	0° $\text{X}$	
morning max el	14161 Apr 19 04:54	22° $\text{H}$ 54'52 46°02'01			14163 Nov 06 09:07	0° $\text{Z}$	
	14161 Apr 26 06:03	0° $\text{Y}$			14163 Dec 01 09:31	0° $\approx$	
	14161 May 23 19:31	0° $\text{B}$		desc. node	14163 Dec 10 09:25	10° $\approx$ 34'44	
	14161 Jun 18 13:49	0° $\text{II}$			14163 Dec 27 05:31	0° $\text{H}$	
desc. node	14161 Jun 25 02:26	7° $\text{II}$ 46'57			14164 Jan 23 12:46	0° $\text{Y}$	
	14161 Jul 13 11:42	0° $\text{G}$		evening max el	14164 Feb 08 19:12	16° $\text{Y}$ 27'56	45°56'52
	14161 Aug 06 22:34	0° $\Omega$			14164 Feb 23 18:58	0° $\text{B}$	
	14161 Aug 31 03:53	0° $\text{P}$		greatest brilliancy	14164 Mar 18 22:27	15° $\text{B}$ 07'52	-4.8m
	14161 Sep 24 06:56	0° $\text{L}$		retrograde	14164 Mar 28 21:13	16° $\text{B}$ 57'26	
asc. node	14161 Oct 15 19:43	26° $\text{L}$ 48'15		asc. node	14164 Apr 01 09:51	16° $\text{B}$ 42'32	
	14161 Oct 18 09:20	0° $\text{M}$		evening set	14164 Apr 12 21:48	12° $\text{B}$ 33'37	
morning set	14161 Oct 21 02:46	3° $\text{M}$ 23'34		inferior conj	14164 Apr 18 23:39	8° $\text{B}$ 54'54	4°14'52
	14161 Nov 11 11:52	0° $\text{X}$		minimum elong	14164 Apr 18 14:58	9° $\text{B}$ 08'31	4°11'52
superior conj	14161 Nov 28 04:07	20° $\text{X}$ 43'44 1°21'11		min. Earth dist.	14164 Apr 19 00:09	8° $\text{B}$ 54'07	0.28058 AU
minimum elong	14161 Nov 27 21:35	20° $\text{X}$ 23'25 1°22'05		morning rise	14164 Apr 24 07:45	5° $\text{B}$ 39'51	
max. Earth dist.	14161 Nov 30 11:08	23° $\text{X}$ 34'32 1.72579 AU		direct	14164 May 10 01:56	0° $\text{B}$ 47'32	
	14161 Dec 05 15:19	0° $\text{Z}$		greatest brilliancy	14164 May 20 10:10	2° $\text{B}$ 46'35	-4.8m
	14161 Dec 29 20:52	0° $\approx$			14164 Jun 26 04:19	0° $\text{II}$	
evening rise	14162 Jan 04 08:02	6° $\approx$ 44'48		morning max el	14164 Jun 29 05:02	2° $\text{II}$ 59'40	46°44'46
	14162 Jan 23 05:39	0° $\text{H}$		desc. node	14164 Jul 22 13:11	27° $\text{II}$ 49'43	
desc. node	14162 Feb 04 09:33	14° $\text{H}$ 54'17			14164 Jul 24 11:47	0° $\text{G}$	
	14162 Feb 16 18:08	0° $\text{Y}$			14164 Aug 19 11:07	0° $\Omega$	
	14162 Mar 13 10:05	0° $\text{B}$			14164 Sep 13 12:50	0° $\text{P}$	
	14162 Apr 07 05:40	0° $\text{II}$			14164 Oct 08 05:02	0° $\text{L}$	
	14162 May 02 07:18	0° $\text{G}$		asc. node	14164 Nov 01 16:42	0° $\text{M}$	
	14162 May 27 22:02	0° $\Omega$			14164 Nov 12 09:29	13° $\text{M}$ 09'20	
asc. node	14162 May 28 03:23	0° $\Omega$ 15'23			14164 Nov 26 01:42	0° $\text{X}$	
	14162 Jun 23 19:50	0° $\text{P}$		morning set	14164 Dec 20 08:56	0° $\text{Z}$	
evening max el	14162 Jul 06 03:52	12° $\text{P}$ 46'52 46°42'43			14164 Dec 30 11:40	12° $\text{Z}$ 29'59	
	14162 Jul 24 22:09	0° $\text{L}$			14165 Jan 13 15:32	0° $\approx$	
greatest brilliancy	14162 Aug 14 21:56	13° $\text{L}$ 05'50 -4.9m		superior conj	14165 Feb 05 07:41	27° $\approx$ 59'56	0°58'46
retrograde	14162 Aug 25 08:01	15° $\text{L}$ 06'57		minimum elong	14165 Feb 05 17:34	28° $\approx$ 30'23	0°59'02
evening set	14162 Sep 08 21:27	10° $\text{L}$ 56'50		max. Earth dist.	14165 Feb 06 01:02	28° $\approx$ 53'26	1.73139 AU
inferior conj	14162 Sep 15 01:29	7° $\text{L}$ 20'02 0°34'01			14165 Feb 06 22:37	0° $\text{H}$	
minimum elong	14162 Sep 15 02:49	7° $\text{L}$ 18'00 0°33'35			14165 Mar 03 06:38	0° $\text{Y}$	
min. Earth dist.	14162 Sep 14 21:31	7° $\text{L}$ 26'05 0.27001 AU		desc. node	14165 Mar 04 00:00	0° $\text{Y}$ 53'32	
desc. node	14162 Sep 17 05:36	6° $\text{L}$ 00'58		evening rise	14165 Mar 15 03:47	14° $\text{Y}$ 38'12	
morning rise	14162 Sep 21 08:34	3° $\text{L}$ 40'15			14165 Mar 27 15:06	0° $\text{B}$	
	14162 Oct 01 09:18	30° $\text{R}$ $\text{P}$			14165 Apr 20 23:18	0° $\text{II}$	
direct	14162 Oct 05 20:10	29° $\text{P}$ 36'14			14165 May 15 07:28	0° $\text{G}$	
	14162 Oct 10 09:06	0° $\text{L}$			14165 Jun 08 17:20	0° $\Omega$	
greatest brilliancy	14162 Oct 15 15:08	1° $\text{L}$ 22'37 -4.8m		asc. node	14165 Jun 24 15:07	19° $\Omega$ 25'13	
	14162 Nov 23 16:26	0° $\text{M}$			14165 Jul 03 08:24	0° $\text{P}$	
morning max el	14162 Nov 24 08:43	0° $\text{M}$ 39'31 46°13'29			14165 Jul 28 10:28	0° $\text{L}$	
	14162 Dec 22 10:48	0° $\text{X}$			14165 Aug 23 11:30	0° $\text{M}$	
asc. node	14163 Jan 08 07:33	18° $\text{X}$ 54'55		evening max el	14165 Sep 16 02:03	25° $\text{M}$ 10'08	46°35'12
	14163 Jan 17 22:50	0° $\text{Z}$			14165 Sep 21 00:05	0° $\text{X}$	
	14163 Feb 12 10:55	0° $\approx$		desc. node	14165 Oct 14 14:45	19° $\text{X}$ 34'13	
	14163 Mar 09 09:59	0° $\text{H}$		greatest brilliancy	14165 Oct 25 11:16	25° $\text{X}$ 15'44	-4.8m
	14163 Apr 03 01:16	0° $\text{Y}$		retrograde	14165 Nov 05 06:22	27° $\text{X}$ 25'21	
	14163 Apr 27 11:07	0° $\text{B}$		evening set	14165 Nov 22 17:38	21° $\text{X}$ 37'58	
desc. node	14163 Apr 30 02:59	3° $\text{B}$ 17'04		min. Earth dist.	14165 Nov 25 21:37	19° $\text{X}$ 42'15	0.28353 AU
	14163 May 21 16:29	0° $\text{II}$		inferior conj	14165 Nov 26 14:49	19° $\text{X}$ 15'35	-8°21'01

minimum elong	14165 Nov 26 07:42	19°♊26'38	8°19'14	evening rise	14168 May 25 13:49	25°♊00'42	
morning rise	14165 Nov 29 21:56	17°♊14'20			14168 May 29 13:52	0°♊	
direct	14165 Dec 17 17:56	11°♊15'15			14168 Jun 22 15:10	0°♊	
greatest brilliancy	14165 Dec 27 11:42	12°♊58'21	-4.8m		14168 Jul 16 17:13	0°♊	
	14166 Jan 23 04:12	0°♊		asc. node	14168 Jul 22 04:12	6°♊46'57	
morning max el	14166 Feb 04 16:42	11°♊25'54	45°43'44		14168 Aug 09 22:11	0°♊	
asc. node	14166 Feb 04 17:38	11°♊28'09			14168 Sep 03 09:01	0°♊	
	14166 Feb 22 20:59	0°♊			14168 Sep 28 06:53	0°♊	
	14166 Mar 21 20:31	0°♊			14168 Oct 24 02:24	0°♊	
	14166 Apr 16 12:03	0°♊		desc. node	14168 Nov 11 00:23	19°♊42'13	
	14166 May 11 11:12	0°♊			14168 Nov 20 22:21	0°♊	
desc. node	14166 May 27 16:16	19°♊46'37		evening max el	14168 Nov 26 11:12	5°♊29'33	46°07'23
	14166 Jun 04 24:00	0°♊			14168 Dec 26 16:46	0°♊	
	14166 Jun 29 05:38	0°♊		greatest brilliancy	14169 Jan 04 15:42	4°♊12'04	-4.8m
	14166 Jul 23 06:45	0°♊		retrograde	14169 Jan 14 16:12	6°♊01'07	
morning set	14166 Aug 06 12:24	17°♊49'04		evening set	14169 Jan 31 09:12	0°♊40'40	
	14166 Aug 16 05:44	0°♊			14169 Feb 01 12:33	30°♊	
	14166 Sep 09 04:26	0°♊		inferior conj	14169 Feb 05 01:47	27°♊47'50	-6°02'27
superior conj	14166 Sep 15 03:30	7°♊27'52	-0°05'17	minimum elong	14169 Feb 05 12:06	27°♊31'39	5°59'30
minimum elong	14166 Sep 15 04:48	7°♊31'55	0°05'11	min. Earth dist.	14169 Feb 05 09:42	27°♊35'24	0.28726 AU
behind sun begin	14166 Sep 14 05:00	6°♊17'25		morning rise	14169 Feb 10 14:59	24°♊25'46	
behind sun end	14166 Sep 16 04:36	8°♊46'25		direct	14169 Feb 26 10:51	19°♊35'39	
max. Earth dist.	14166 Sep 16 11:07	9°♊06'48	1.71678 AU	asc. node	14169 Mar 04 02:42	20°♊12'25	
asc. node	14166 Sep 17 07:03	10°♊09'11		greatest brilliancy	14169 Mar 09 04:34	21°♊42'48	-4.8m
	14166 Oct 03 03:58	0°♊			14169 Mar 23 23:23	0°♊	
evening rise	14166 Oct 23 21:03	25°♊50'29		morning max el	14169 Apr 16 19:40	20°♊40'07	46°00'37
	14166 Oct 27 05:14	0°♊			14169 Apr 26 01:06	0°♊	
	14166 Nov 20 09:42	0°♊			14169 May 23 10:05	0°♊	
	14166 Dec 14 19:28	0°♊			14169 Jun 18 02:38	0°♊	
desc. node	14167 Jan 06 21:51	28°♊02'46		desc. node	14169 Jun 24 04:26	7°♊15'24	
	14167 Jan 08 12:45	0°♊			14169 Jul 12 23:37	0°♊	
	14167 Feb 02 15:38	0°♊			14169 Aug 06 09:59	0°♊	
	14167 Feb 28 07:08	0°♊			14169 Aug 30 14:57	0°♊	
	14167 Mar 26 20:07	0°♊		asc. node	14169 Sep 23 17:43	0°♊	
evening max el	14167 Apr 21 13:52	27°♊02'17	46°17'36		14169 Oct 14 21:27	26°♊20'38	
	14167 Apr 24 14:54	0°♊		morning set	14169 Oct 17 19:56	0°♊	
asc. node	14167 Apr 29 19:09	4°♊52'28			14169 Oct 18 17:22	1°♊06'43	
greatest brilliancy	14167 May 31 19:07	26°♊56'36	-4.8m		14169 Nov 10 22:21	0°♊	
retrograde	14167 Jun 10 07:46	28°♊38'46		superior conj	14169 Nov 25 20:22	18°♊32'42	1°19'57
evening set	14167 Jun 28 10:49	22°♊22'40		minimum elong	14169 Nov 25 13:14	18°♊10'31	1°20'50
inferior conj	14167 Jul 01 00:35	20°♊47'57	9°04'13	max. Earth dist.	14169 Nov 28 04:39	21°♊27'27	1.72548 AU
minimum elong	14167 Jul 01 04:08	20°♊42'28	9°03'02		14169 Dec 05 01:46	0°♊	
min. Earth dist.	14167 Jul 01 12:00	20°♊30'17	0.27482 AU		14169 Dec 29 07:22	0°♊	
morning rise	14167 Jul 03 21:24	19°♊02'29		evening rise	14170 Jan 02 00:16	4°♊34'21	
direct	14167 Jul 21 21:52	12°♊50'06			14170 Jan 22 16:18	0°♊	
greatest brilliancy	14167 Jul 31 23:07	14°♊45'07	-4.9m	desc. node	14170 Feb 03 11:26	14°♊27'05	
desc. node	14167 Aug 19 22:36	26°♊07'42			14170 Feb 16 05:03	0°♊	
	14167 Aug 24 16:11	0°♊			14170 Mar 12 21:25	0°♊	
morning max el	14167 Sep 10 10:32	15°♊39'31	46°53'55		14170 Apr 06 17:39	0°♊	
	14167 Sep 24 05:02	0°♊			14170 May 01 20:18	0°♊	
	14167 Oct 21 01:39	0°♊		asc. node	14170 May 27 05:21	29°♊38'24	
	14167 Nov 15 18:13	0°♊			14170 May 27 12:53	0°♊	
asc. node	14167 Dec 10 22:09	0°♊02'37			14170 Jun 23 14:58	0°♊	
	14167 Dec 10 21:17	0°♊		evening max el	14170 Jul 03 16:45	10°♊22'27	46°42'13
	14168 Jan 04 16:06	0°♊			14170 Jul 25 11:48	0°♊	
	14168 Jan 29 05:37	0°♊		greatest brilliancy	14170 Aug 12 13:06	10°♊43'50	-4.9m
	14168 Feb 22 15:58	0°♊		retrograde	14170 Aug 22 20:34	12°♊42'52	
morning set	14168 Mar 09 08:46	19°♊19'57		evening set	14170 Sep 06 11:43	8°♊31'30	
	14168 Mar 18 00:24	0°♊		inferior conj	14170 Sep 12 14:22	4°♊56'45	0°58'13
desc. node	14168 Mar 31 14:30	16°♊46'47		minimum elong	14170 Sep 12 16:38	4°♊53'16	0°57'27
	14168 Apr 11 07:02	0°♊		min. Earth dist.	14170 Sep 12 12:08	5°♊00'09	0.26980 AU
max. Earth dist.	14168 Apr 14 07:41	3°♊44'52	1.72653 AU	desc. node	14170 Sep 16 07:33	2°♊42'45	
				morning rise	14170 Sep 18 21:49	1°♊16'04	
superior conj	14168 Apr 16 17:27	6°♊43'44	-0°37'51		14170 Sep 21 11:28	30°♊	
minimum elong	14168 Apr 16 09:03	6°♊17'45	0°38'01	direct	14170 Oct 03 08:22	27°♊12'54	
	14168 May 05 11:30	0°♊		greatest brilliancy	14170 Oct 13 05:06	29°♊00'27	-4.8m

	14170 Oct 15 18:36	0°♄			14173 May 14 18:57	0°♄		
morning max el	14170 Nov 21 21:12	28°♄17'13	46°15'11		14173 Jun 08 05:19	0°♄		
	14170 Nov 23 15:11	0°♄		asc. node	14173 Jun 23 17:04	18°♄53'20		
	14170 Dec 22 02:36	0°♄			14173 Jul 02 21:10	0°♄		
asc. node	14171 Jan 07 09:37	18°♄20'55			14173 Jul 28 00:32	0°♄		
	14171 Jan 17 12:05	0°♄			14173 Aug 23 04:17	0°♄		
	14171 Feb 11 22:57	0°♄		evening max el	14173 Sep 13 16:56	22°♄51'42	46°36'08	
	14171 Mar 08 21:22	0°♄			14173 Sep 21 01:04	0°♄		
	14171 Apr 02 12:19	0°♄		desc. node	14173 Oct 13 16:40	18°♄12'29		
	14171 Apr 26 22:00	0°♄		greatest brilliancy	14173 Oct 23 01:02	22°♄57'28	-4.8m	
desc. node	14171 Apr 29 04:48	2°♄49'07		retrograde	14173 Nov 02 22:01	25°♄08'52		
morning set	14171 May 21 06:07	0°♄08'49		evening set	14173 Nov 20 04:51	19°♄26'50		
	14171 May 21 03:17	0°♄		min. Earth dist.	14173 Nov 23 11:19	17°♄27'42	0.28304 AU	
	14171 Jun 14 04:49	0°♄		inferior conj	14173 Nov 24 05:33	16°♄59'28	-8°13'18	
max. Earth dist.	14171 Jun 27 19:30	17°♄02'07	1.71626 AU	minimum elong	14173 Nov 23 21:47	17°♄11'29	8°11'23	
				morning rise	14173 Nov 27 14:58	14°♄55'10		
superior conj	14171 Jun 30 02:24	19°♄54'03	-1°26'26	direct	14173 Dec 15 08:38	8°♄59'50		
minimum elong	14171 Jun 30 06:02	20°♄05'27	1°27'27	greatest brilliancy	14173 Dec 25 01:08	10°♄42'24	-4.8m	
	14171 Jul 08 03:50	0°♄			14174 Jan 23 09:05	0°♄		
	14171 Aug 01 02:02	0°♄		morning max el	14174 Feb 02 08:10	9°♄13'01	45°44'09	
evening rise	14171 Aug 09 06:53	10°♄16'33		asc. node	14174 Feb 03 19:29	10°♄38'45		
asc. node	14171 Aug 19 18:14	23°♄23'21			14174 Feb 22 14:08	0°♄		
	14171 Aug 25 01:05	0°♄			14174 Mar 21 10:26	0°♄		
	14171 Sep 18 02:27	0°♄			14174 Apr 16 00:34	0°♄		
	14171 Oct 12 07:59	0°♄			14174 May 10 23:00	0°♄		
	14171 Nov 05 20:49	0°♄		desc. node	14174 May 26 18:14	19°♄17'18		
	14171 Nov 30 22:00	0°♄			14174 Jun 04 11:26	0°♄		
desc. node	14171 Dec 09 11:26	10°♄02'53			14174 Jun 28 16:52	0°♄		
	14171 Dec 26 19:36	0°♄			14174 Jul 22 17:51	0°♄		
	14172 Jan 23 06:40	0°♄		morning set	14174 Aug 04 00:35	15°♄22'16		
evening max el	14172 Feb 06 09:15	14°♄11'59	45°56'37		14174 Aug 15 16:45	0°♄		
	14172 Feb 24 04:11	0°♄			14174 Sep 08 15:23	0°♄		
greatest brilliancy	14172 Mar 16 12:43	12°♄51'44	-4.8m					
retrograde	14172 Mar 26 11:49	14°♄41'53		superior conj	14174 Sep 12 16:07	5°♄02'52	-0°09'02	
asc. node	14172 Mar 31 11:46	14°♄11'42		minimum elong	14174 Sep 12 18:23	5°♄09'56	0°08'57	
evening set	14172 Apr 10 11:03	10°♄19'26		behind sun begin	14174 Sep 11 21:20	4°♄04'01		
inferior conj	14172 Apr 16 14:32	6°♄38'43	3°54'56	behind sun end	14174 Sep 13 15:26	6°♄15'50		
minimum elong	14172 Apr 16 06:23	6°♄51'29	3°52'05	max. Earth dist.	14174 Sep 14 00:38	6°♄44'40	1.71655 AU	
min. Earth dist.	14172 Apr 16 15:24	6°♄37'23	0.28080 AU	asc. node	14174 Sep 16 08:47	9°♄40'22		
morning rise	14172 Apr 22 01:20	3°♄20'05			14174 Oct 02 14:52	0°♄		
	14172 Apr 29 04:08	30°♄		evening rise	14174 Oct 21 11:53	23°♄33'14		
direct	14172 May 07 16:48	28°♄30'49			14174 Oct 26 16:10	0°♄		
	14172 May 16 14:12	0°♄			14174 Nov 19 20:45	0°♄		
greatest brilliancy	14172 May 18 02:32	0°♄31'23	-4.8m		14174 Dec 14 06:45	0°♄		
	14172 Jun 26 03:11	0°♄		desc. node	14175 Jan 05 23:46	27°♄33'18		
morning max el	14172 Jun 26 19:48	0°♄41'21	46°43'38		14175 Jan 08 00:29	0°♄		
desc. node	14172 Jul 21 15:10	27°♄09'18			14175 Feb 02 04:05	0°♄		
	14172 Jul 24 03:55	0°♄			14175 Feb 27 20:55	0°♄		
	14172 Aug 19 00:52	0°♄			14175 Mar 26 12:40	0°♄		
	14172 Sep 13 01:23	0°♄		evening max el	14175 Apr 19 04:32	24°♄44'14	46°16'28	
	14172 Oct 07 16:53	0°♄			14175 Apr 24 15:37	0°♄		
	14172 Nov 01 04:06	0°♄		asc. node	14175 Apr 28 21:08	3°♄54'28		
asc. node	14172 Nov 11 11:22	12°♄40'37		greatest brilliancy	14175 May 29 07:43	24°♄33'32	-4.8m	
	14172 Nov 25 12:44	0°♄		retrograde	14175 Jun 07 21:07	26°♄15'51		
	14172 Dec 19 19:44	0°♄		evening set	14175 Jun 26 00:59	19°♄58'26		
morning set	14172 Dec 28 04:25	10°♄20'10		inferior conj	14175 Jun 28 14:00	18°♄24'34	9°07'11	
	14173 Jan 13 02:11	0°♄		minimum elong	14175 Jun 28 16:37	18°♄20'31	9°06'04	
				min. Earth dist.	14175 Jun 29 00:32	18°♄08'14	0.27514 AU	
superior conj	14173 Feb 03 00:24	25°♄50'36	1°01'09	morning rise	14175 Jul 01 08:13	16°♄42'49		
minimum elong	14173 Feb 03 10:19	26°♄21'10	1°01'29	direct	14175 Jul 19 12:01	10°♄26'26		
max. Earth dist.	14173 Feb 03 20:58	26°♄54'04	1.73136 AU	greatest brilliancy	14175 Jul 29 11:59	12°♄20'15	-4.9m	
	14173 Feb 06 09:15	0°♄		desc. node	14175 Aug 19 00:30	24°♄55'56		
	14173 Mar 02 17:21	0°♄			14175 Aug 25 00:20	0°♄		
desc. node	14173 Mar 03 01:44	0°♄25'49		morning max el	14175 Sep 08 00:24	13°♄16'35	46°54'29	
evening rise	14173 Mar 12 19:48	12°♄26'36			14175 Sep 23 23:41	0°♄		
	14173 Mar 27 01:59	0°♄			14175 Oct 20 16:33	0°♄		
	14173 Apr 20 10:26	0°♄			14175 Nov 15 07:21	0°♄		

asc. node	14175 Dec 10 00:08	29° $\mathbb{M}$ 32'06			14178 Jun 23 10:43	0° $\mathbb{M}$	
	14175 Dec 10 09:24	0° $\mathbb{X}$		evening max el	14178 Jul 01 04:55	7° $\mathbb{M}$ 56'09	46°41'44
	14176 Jan 04 03:36	0° $\mathbb{Z}$			14178 Jul 26 06:08	0° $\mathbb{L}$	
	14176 Jan 28 16:45	0° $\approx$		greatest brilliancy	14178 Aug 10 03:58	8° $\mathbb{L}$ 21'26	-4.9m
	14176 Feb 22 02:54	0° $\mathbb{H}$		retrograde	14178 Aug 20 09:18	10° $\mathbb{L}$ 19'02	
morning set	14176 Mar 07 01:05	17° $\mathbb{H}$ 08'59		evening set	14178 Sep 04 02:13	6° $\mathbb{L}$ 05'41	
	14176 Mar 17 11:13	0° $\mathbb{Y}$		inferior conj	14178 Sep 10 03:20	2° $\mathbb{L}$ 33'23	1°22'11
desc. node	14176 Mar 30 16:22	16° $\mathbb{Y}$ 19'11		minimum elong	14178 Sep 10 06:32	2° $\mathbb{L}$ 28'30	1°21'05
	14176 Apr 10 17:49	0° $\mathbb{Z}$		min. Earth dist.	14178 Sep 10 02:47	2° $\mathbb{L}$ 34'14	0.26969 AU
max. Earth dist.	14176 Apr 11 22:54	1° $\mathbb{Z}$ 30'00	1.72683 AU		14178 Sep 14 09:57	30° $\mathbb{R}$ $\mathbb{M}$	
				desc. node	14178 Sep 15 09:31	29° $\mathbb{M}$ 26'48	
superior conj	14176 Apr 14 08:05	4° $\mathbb{Z}$ 26'58	-0°34'37	morning rise	14178 Sep 16 10:59	28° $\mathbb{M}$ 52'17	
minimum elong	14176 Apr 14 00:18	4° $\mathbb{Z}$ 02'54	0°34'45	direct	14178 Sep 30 20:36	24° $\mathbb{M}$ 49'09	
	14176 May 04 22:20	0° $\mathbb{I}$		greatest brilliancy	14178 Oct 10 19:23	26° $\mathbb{M}$ 38'22	-4.8m
evening rise	14176 May 23 03:22	22° $\mathbb{I}$ 39'17			14178 Oct 18 04:47	0° $\mathbb{L}$	
	14176 May 29 00:50	0° $\mathbb{G}$		morning max el	14178 Nov 19 10:27	25° $\mathbb{L}$ 56'03	46°16'46
	14176 Jun 22 02:19	0° $\mathbb{Q}$			14178 Nov 23 13:16	0° $\mathbb{M}$	
	14176 Jul 16 04:37	0° $\mathbb{M}$			14178 Dec 21 18:24	0° $\mathbb{X}$	
asc. node	14176 Jul 21 06:00	6° $\mathbb{M}$ 16'53		asc. node	14179 Jan 06 11:28	17° $\mathbb{X}$ 45'53	
	14176 Aug 09 09:57	0° $\mathbb{L}$			14179 Jan 17 01:27	0° $\mathbb{Z}$	
	14176 Sep 02 21:21	0° $\mathbb{M}$			14179 Feb 11 11:05	0° $\approx$	
	14176 Sep 27 20:13	0° $\mathbb{X}$			14179 Mar 08 08:49	0° $\mathbb{H}$	
	14176 Oct 23 17:43	0° $\mathbb{Z}$			14179 Apr 01 23:24	0° $\mathbb{Y}$	
desc. node	14176 Nov 10 02:28	19° $\mathbb{Z}$ 00'01			14179 Apr 26 08:54	0° $\mathbb{Z}$	
	14176 Nov 20 19:03	0° $\approx$		desc. node	14179 Apr 28 06:40	2° $\mathbb{Z}$ 21'19	
evening max el	14176 Nov 24 01:55	3° $\approx$ 14'21	46°08'15	morning set	14179 May 18 18:39	27° $\mathbb{Z}$ 45'00	
	14176 Dec 28 11:38	0° $\mathbb{H}$			14179 May 20 14:05	0° $\mathbb{I}$	
greatest brilliancy	14177 Jan 02 07:43	2° $\mathbb{H}$ 00'51	-4.8m		14179 Jun 13 15:34	0° $\mathbb{G}$	
retrograde	14177 Jan 12 07:19	3° $\mathbb{H}$ 49'15		max. Earth dist.	14179 Jun 25 05:37	14° $\mathbb{G}$ 29'48	1.71651 AU
	14177 Jan 26 07:24	30° $\mathbb{R}$ $\approx$					
evening set	14177 Jan 29 03:55	28° $\approx$ 24'41		superior conj	14179 Jun 27 14:46	17° $\mathbb{G}$ 28'46	-1°26'56
inferior conj	14177 Feb 02 17:38	25° $\approx$ 35'56	-6°17'22	minimum elong	14179 Jun 27 17:25	17° $\mathbb{G}$ 37'04	1°27'58
minimum elong	14177 Feb 03 03:58	25° $\approx$ 19'40	6°14'29		14179 Jul 07 14:35	0° $\mathbb{Q}$	
min. Earth dist.	14177 Feb 03 01:22	25° $\approx$ 23'46	0.28740 AU		14179 Jul 31 12:49	0° $\mathbb{M}$	
morning rise	14177 Feb 08 03:59	22° $\approx$ 17'32		evening rise	14179 Aug 06 18:54	7° $\mathbb{M}$ 50'05	
direct	14177 Feb 24 02:33	17° $\approx$ 23'53		asc. node	14179 Aug 18 20:01	22° $\mathbb{M}$ 54'59	
asc. node	14177 Mar 03 04:40	18° $\approx$ 20'39			14179 Aug 24 11:57	0° $\mathbb{L}$	
greatest brilliancy	14177 Mar 06 20:04	19° $\approx$ 30'18	-4.8m		14179 Sep 17 13:28	0° $\mathbb{M}$	
	14177 Mar 24 15:00	0° $\mathbb{H}$			14179 Oct 11 19:16	0° $\mathbb{X}$	
morning max el	14177 Apr 14 09:52	18° $\mathbb{H}$ 23'11	45°59'24		14179 Nov 05 08:34	0° $\mathbb{Z}$	
	14177 Apr 25 19:54	0° $\mathbb{Y}$			14179 Nov 30 10:37	0° $\approx$	
	14177 May 23 00:42	0° $\mathbb{Z}$		desc. node	14179 Dec 08 13:18	9° $\approx$ 30'15	
	14177 Jun 17 15:33	0° $\mathbb{I}$			14179 Dec 26 09:57	0° $\mathbb{H}$	
desc. node	14177 Jun 23 06:22	6° $\mathbb{I}$ 43'14			14180 Jan 23 01:05	0° $\mathbb{Y}$	
	14177 Jul 12 11:42	0° $\mathbb{G}$		evening max el	14180 Feb 04 00:08	11° $\mathbb{Y}$ 58'08	45°56'35
	14177 Aug 05 21:36	0° $\mathbb{Q}$			14180 Feb 24 16:38	0° $\mathbb{Z}$	
	14177 Aug 30 02:15	0° $\mathbb{M}$		greatest brilliancy	14180 Mar 14 02:46	10° $\mathbb{Z}$ 35'46	-4.8m
	14177 Sep 23 04:49	0° $\mathbb{L}$		retrograde	14180 Mar 24 03:05	12° $\mathbb{Z}$ 26'48	
asc. node	14177 Oct 13 23:23	25° $\mathbb{L}$ 52'30		asc. node	14180 Mar 30 13:49	11° $\mathbb{Z}$ 36'13	
morning set	14177 Oct 16 07:29	28° $\mathbb{L}$ 47'11		evening set	14180 Apr 08 00:38	8° $\mathbb{Z}$ 05'34	
	14177 Oct 17 06:52	0° $\mathbb{M}$		inferior conj	14180 Apr 14 05:30	4° $\mathbb{Z}$ 23'00	3°34'49
	14177 Nov 10 09:11	0° $\mathbb{X}$		minimum elong	14180 Apr 13 21:55	4° $\mathbb{Z}$ 34'51	3°32'06
				min. Earth dist.	14180 Apr 14 06:25	4° $\mathbb{Z}$ 21'34	0.28099 AU
superior conj	14177 Nov 23 12:09	16° $\mathbb{X}$ 19'11	1°18'36	morning rise	14180 Apr 19 18:52	1° $\mathbb{Z}$ 01'04	
minimum elong	14177 Nov 23 04:27	15° $\mathbb{X}$ 55'15	1°19'26		14180 Apr 21 15:45	30° $\mathbb{R}$ $\mathbb{Y}$	
max. Earth dist.	14177 Nov 25 19:09	19° $\mathbb{X}$ 10'02	1.72513 AU	direct	14180 May 05 08:10	26° $\mathbb{Y}$ 14'48	
	14177 Dec 04 12:32	0° $\mathbb{Z}$		greatest brilliancy	14180 May 15 18:19	28° $\mathbb{Y}$ 16'10	-4.8m
	14177 Dec 28 18:08	0° $\approx$			14180 May 19 19:16	0° $\mathbb{Z}$	
evening rise	14177 Dec 30 16:10	2° $\approx$ 22'01		morning max el	14180 Jun 24 11:28	28° $\mathbb{Z}$ 25'58	46°42'24
	14178 Jan 22 03:11	0° $\mathbb{H}$			14180 Jun 26 00:57	0° $\mathbb{I}$	
desc. node	14178 Feb 02 13:11	13° $\mathbb{H}$ 58'42		desc. node	14180 Jul 20 16:58	26° $\mathbb{I}$ 29'23	
	14178 Feb 15 16:12	0° $\mathbb{Y}$			14180 Jul 23 19:37	0° $\mathbb{G}$	
	14178 Mar 12 09:00	0° $\mathbb{Z}$			14180 Aug 18 14:19	0° $\mathbb{Q}$	
	14178 Apr 06 05:52	0° $\mathbb{I}$			14180 Sep 12 13:42	0° $\mathbb{M}$	
	14178 May 01 09:33	0° $\mathbb{G}$			14180 Oct 07 04:30	0° $\mathbb{L}$	
asc. node	14178 May 26 07:23	29° $\mathbb{G}$ 01'01			14180 Oct 31 15:15	0° $\mathbb{M}$	
	14178 May 27 04:03	0° $\mathbb{Q}$		asc. node	14180 Nov 10 13:16	12° $\mathbb{M}$ 12'36	



	14180 Nov 24 23:34	0°♊		retrograde	14183 Jun 05 10:03	23°♊54'01	
	14180 Dec 19 06:21	0°♋		evening set	14183 Jun 23 14:44	17°♊36'15	
morning set	14180 Dec 25 21:01	8°♋10'22		inferior conj	14183 Jun 26 03:29	16°♊02'34	9°09'17
	14181 Jan 12 12:43	0°♌		minimum elong	14183 Jun 26 05:08	16°♊00'00	9°08'12
				min. Earth dist.	14183 Jun 26 13:25	15°♊47'08	0.27540 AU
superior conj	14181 Jan 31 16:52	23°♌40'47	1°03'29	morning rise	14183 Jun 28 19:30	14°♊23'50	
minimum elong	14181 Feb 01 02:45	24°♌11'18	1°03'52	direct	14183 Jul 17 01:38	8°♊04'06	
max. Earth dist.	14181 Feb 01 17:12	24°♌55'54	1.73133 AU	greatest brilliancy	14183 Jul 27 01:18	9°♊57'11	-4.9m
	14181 Feb 05 19:46	0°♍		desc. node	14183 Aug 18 02:35	23°♊47'53	
desc. node	14181 Mar 02 03:33	29°♍58'50			14183 Aug 25 05:35	0°♎	
	14181 Mar 02 03:56	0°♎		morning max el	14183 Sep 05 13:23	10°♎52'42	46°55'00
evening rise	14181 Mar 10 11:30	10°♎14'29			14183 Sep 23 17:23	0°♏	
	14181 Mar 26 12:42	0°♏			14183 Oct 20 06:49	0°♐	
	14181 Apr 19 21:23	0°♑			14183 Nov 14 19:57	0°♑	
	14181 May 14 06:13	0°♒		asc. node	14183 Dec 09 01:56	29°♑02'24	
	14181 Jun 07 17:07	0°♓			14183 Dec 09 21:02	0°♊	
asc. node	14181 Jun 22 18:52	18°♓21'42			14184 Jan 03 14:39	0°♋	
	14181 Jul 02 09:44	0°♏			14184 Jan 28 03:27	0°♌	
	14181 Jul 27 14:27	0°♐			14184 Feb 21 13:24	0°♍	
	14181 Aug 22 21:01	0°♑		morning set	14184 Mar 04 17:26	14°♍59'15	
evening max el	14181 Sep 11 08:39	20°♑36'26	46°37'02		14184 Mar 16 21:39	0°♎	
	14181 Sep 21 02:53	0°♊		desc. node	14184 Mar 29 18:15	15°♎52'44	
desc. node	14181 Oct 12 18:44	16°♊49'37		max. Earth dist.	14184 Apr 09 13:17	29°♎13'38	1.72720 AU
greatest brilliancy	14181 Oct 20 15:03	20°♊40'47	-4.8m		14184 Apr 10 04:17	0°♏	
retrograde	14181 Oct 31 13:50	22°♊53'32					
evening set	14181 Nov 17 16:07	17°♊17'12		superior conj	14184 Apr 11 22:36	2°♏10'56	-0°31'18
min. Earth dist.	14181 Nov 21 00:58	15°♊14'34	0.28256 AU	minimum elong	14184 Apr 11 15:29	1°♏48'55	0°31'25
inferior conj	14181 Nov 21 20:21	14°♊44'36	-8°04'50		14184 May 04 08:52	0°♑	
minimum elong	14181 Nov 21 12:01	14°♊57'29	8°02'45	evening rise	14184 May 20 16:39	20°♑18'07	
morning rise	14181 Nov 25 08:14	12°♊36'52			14184 May 28 11:29	0°♒	
direct	14181 Dec 12 23:40	6°♊45'55			14184 Jun 21 13:08	0°♓	
greatest brilliancy	14181 Dec 22 14:05	8°♊27'08	-4.8m		14184 Jul 15 15:39	0°♏	
	14182 Jan 23 11:44	0°♋		asc. node	14184 Jul 20 07:49	5°♏48'04	
morning max el	14182 Jan 30 23:28	7°♋00'40	45°44'20		14184 Aug 08 21:20	0°♐	
asc. node	14182 Feb 02 21:28	9°♋51'27			14184 Sep 02 09:21	0°♑	
	14182 Feb 22 06:39	0°♌			14184 Sep 27 09:14	0°♊	
	14182 Mar 20 23:58	0°♍			14184 Oct 23 08:51	0°♋	
	14182 Apr 15 12:46	0°♎		desc. node	14184 Nov 09 04:23	18°♋18'06	
	14182 May 10 10:30	0°♏			14184 Nov 20 16:00	0°♌	
desc. node	14182 May 25 20:06	18°♏48'41		evening max el	14184 Nov 21 15:57	0°♌58'37	46°09'09
	14182 Jun 03 22:30	0°♑		greatest brilliancy	14184 Dec 30 23:44	29°♌50'52	-4.8m
	14182 Jun 28 03:43	0°♒			14184 Dec 31 10:27	0°♍	
	14182 Jul 22 04:35	0°♓		retrograde	14185 Jan 09 22:28	1°♍38'58	
morning set	14182 Aug 01 12:45	12°♓56'40			14185 Jan 19 01:30	30°♍	
	14182 Aug 15 03:25	0°♏		evening set	14185 Jan 26 22:39	26°♌09'59	
	14182 Sep 08 01:59	0°♐		inferior conj	14185 Jan 31 09:31	23°♌25'33	-6°31'41
				minimum elong	14185 Jan 31 19:50	23°♌09'19	6°28'51
superior conj	14182 Sep 10 04:47	2°♐39'04	-0°12'47	min. Earth dist.	14185 Jan 31 17:10	23°♌13'29	0.28754 AU
minimum elong	14182 Sep 10 07:59	2°♐49'05	0°12'42	morning rise	14185 Feb 05 16:56	20°♌11'08	
behind sun begin	14182 Sep 09 16:16	1°♐59'52		direct	14185 Feb 21 17:56	15°♌13'28	
behind sun end	14182 Sep 10 23:42	3°♐38'19		asc. node	14185 Mar 02 06:44	16°♌34'26	
max. Earth dist.	14182 Sep 11 13:52	4°♐22'40	1.71631 AU	greatest brilliancy	14185 Mar 04 11:56	17°♌19'45	-4.8m
asc. node	14182 Sep 15 10:42	9°♐13'14			14185 Mar 25 01:57	0°♍	
	14182 Oct 02 01:26	0°♑		morning max el	14185 Apr 12 00:08	16°♍07'36	45°58'08
evening rise	14182 Oct 19 02:45	21°♑17'07			14185 Apr 25 13:47	0°♎	
	14182 Oct 26 02:44	0°♊			14185 May 22 14:50	0°♏	
	14182 Nov 19 07:25	0°♋			14185 Jun 17 04:08	0°♑	
	14182 Dec 13 17:40	0°♌		desc. node	14185 Jun 22 08:11	6°♑11'35	
desc. node	14183 Jan 05 01:34	27°♌04'38			14185 Jul 11 23:30	0°♒	
	14183 Jan 07 11:51	0°♍			14185 Aug 05 08:54	0°♓	
	14183 Feb 01 16:15	0°♎			14185 Aug 29 13:13	0°♏	
	14183 Feb 27 10:31	0°♏			14185 Sep 22 15:32	0°♐	
	14183 Mar 26 05:16	0°♑		asc. node	14185 Oct 13 01:11	25°♐25'05	
evening max el	14183 Apr 16 18:38	22°♑25'36	46°15'23	morning set	14185 Oct 13 21:28	26°♐28'14	
	14183 Apr 24 17:20	0°♒			14185 Oct 16 17:27	0°♑	
asc. node	14183 Apr 27 23:11	2°♒56'04			14185 Nov 09 19:40	0°♊	
greatest brilliancy	14183 May 26 21:00	22°♒12'14	-4.8m				

superior conj	14185 Nov 21 03:57	14°♊06'43	1°17'07		14188 Apr 15 07:20	30°♎♎	
minimum elong	14185 Nov 20 19:42	13°♊41'05	1°17'54	morning rise	14188 Apr 17 12:18	28°♎42'43	
max. Earth dist.	14185 Nov 23 07:55	16°♊48'10	1.72481 AU	direct	14188 May 02 23:52	23°♎59'35	
	14185 Dec 03 22:59	0°♊		greatest brilliancy	14188 May 13 09:34	26°♎00'54	-4.8m
evening rise	14185 Dec 28 08:15	0°♊11'14			14188 May 21 15:18	0°♊	
	14185 Dec 28 04:36	0°♊		morning max el	14188 Jun 22 03:05	26°♊10'59	46°41'03
	14186 Jan 21 13:47	0°♊			14188 Jun 25 21:45	0°♊	
desc. node	14186 Feb 01 15:04	13°♊31'47		desc. node	14188 Jul 19 19:05	25°♊50'55	
	14186 Feb 15 03:03	0°♎			14188 Jul 23 10:58	0°♎	
	14186 Mar 11 20:17	0°♎			14188 Aug 18 03:38	0°♎	
	14186 Apr 05 17:50	0°♊			14188 Sep 12 01:59	0°♎	
	14186 Apr 30 22:38	0°♎			14188 Oct 06 16:09	0°♎	
asc. node	14186 May 25 09:11	28°♎23'14			14188 Oct 31 02:26	0°♎	
	14186 May 26 19:13	0°♎		asc. node	14188 Nov 09 15:04	11°♎44'09	
	14186 Jun 23 06:58	0°♎			14188 Nov 24 10:25	0°♊	
evening max el	14186 Jun 28 17:22	5°♎31'05	46°41'15		14188 Dec 18 16:59	0°♊	
	14186 Jul 27 07:00	0°♎		morning set	14188 Dec 23 13:30	6°♊00'13	
greatest brilliancy	14186 Aug 07 18:18	5°♎58'24	-4.9m		14189 Jan 11 23:14	0°♊	
retrograde	14186 Aug 17 22:22	7°♎55'16					
evening set	14186 Sep 01 16:44	3°♎39'24		superior conj	14189 Jan 29 09:22	21°♎31'08	1°05'44
inferior conj	14186 Sep 07 16:07	0°♎09'51	1°46'15	minimum elong	14189 Jan 29 19:10	22°♎01'21	1°06'08
minimum elong	14186 Sep 07 20:14	0°♎03'36	1°44'49	max. Earth dist.	14189 Jan 30 13:55	22°♎59'15	1.73126 AU
min. Earth dist.	14186 Sep 07 16:59	0°♎08'32	0.26958 AU		14189 Feb 05 06:18	0°♊	
	14186 Sep 07 22:36	30°♎		desc. node	14189 Mar 01 05:28	29°♊32'03	
morning rise	14186 Sep 13 23:47	26°♎28'57			14189 Mar 01 14:33	0°♎	
desc. node	14186 Sep 14 11:35	26°♎13'29		evening rise	14189 Mar 08 03:20	8°♎02'40	
direct	14186 Sep 28 08:56	22°♎25'17			14189 Mar 25 23:28	0°♎	
greatest brilliancy	14186 Oct 08 09:06	24°♎15'58	-4.8m		14189 Apr 19 08:22	0°♊	
	14186 Oct 19 17:52	0°♎			14189 May 13 17:32	0°♎	
morning max el	14186 Nov 17 00:28	23°♎37'26	46°18'24		14189 Jun 07 04:57	0°♎	
	14186 Nov 23 10:15	0°♎		asc. node	14189 Jun 21 20:48	17°♎50'22	
	14186 Dec 21 09:38	0°♊			14189 Jul 01 22:24	0°♎	
asc. node	14187 Jan 05 13:23	17°♊12'03			14189 Jul 27 04:34	0°♎	
	14187 Jan 16 14:26	0°♊			14189 Aug 22 14:15	0°♎	
	14187 Feb 10 22:55	0°♊		evening max el	14189 Sep 09 00:26	18°♎20'36	46°37'41
	14187 Mar 07 20:01	0°♊			14189 Sep 21 06:34	0°♊	
	14187 Apr 01 10:15	0°♎		desc. node	14189 Oct 11 20:41	15°♊22'47	
	14187 Apr 25 19:35	0°♎		greatest brilliancy	14189 Oct 18 05:44	18°♊23'49	-4.8m
desc. node	14187 Apr 27 08:30	1°♎54'00		retrograde	14189 Oct 29 05:16	20°♊36'44	
morning set	14187 May 16 07:27	25°♎22'44		evening set	14189 Nov 15 03:12	15°♊06'37	
	14187 May 20 00:42	0°♊		min. Earth dist.	14189 Nov 18 14:53	12°♊59'45	0.28202 AU
	14187 Jun 13 02:10	0°♎		inferior conj	14189 Nov 19 11:00	12°♊28'36	-7°55'28
max. Earth dist.	14187 Jun 22 18:03	12°♎05'15	1.71681 AU	minimum elong	14189 Nov 19 02:10	12°♊42'18	7°53'14
				morning rise	14189 Nov 23 01:29	10°♊17'03	
superior conj	14187 Jun 25 03:00	15°♎03'30	-1°27'17	direct	14189 Dec 10 14:28	4°♊31'01	
minimum elong	14187 Jun 25 04:37	15°♎08'34	1°28'19	greatest brilliancy	14189 Dec 20 02:58	6°♊10'41	-4.8m
	14187 Jul 07 01:13	0°♎			14190 Jan 23 13:10	0°♊	
	14187 Jul 30 23:32	0°♎		morning max el	14190 Jan 28 13:49	4°♊45'29	45°44'39
evening rise	14187 Aug 04 06:32	5°♎22'38		asc. node	14190 Feb 01 23:34	9°♊04'44	
asc. node	14187 Aug 17 21:57	22°♎27'16			14190 Feb 21 22:59	0°♊	
	14187 Aug 23 22:46	0°♎			14190 Mar 20 13:30	0°♊	
	14187 Sep 17 00:25	0°♎			14190 Apr 15 01:02	0°♎	
	14187 Oct 11 06:28	0°♊			14190 May 09 22:05	0°♎	
	14187 Nov 04 20:14	0°♊		desc. node	14190 May 24 21:53	18°♎19'25	
	14187 Nov 29 23:12	0°♊			14190 Jun 03 09:43	0°♊	
desc. node	14187 Dec 07 15:09	8°♊57'52			14190 Jun 27 14:42	0°♎	
	14187 Dec 26 00:20	0°♊			14190 Jul 21 15:26	0°♎	
	14188 Jan 22 19:52	0°♎		morning set	14190 Jul 30 01:16	10°♎31'42	
evening max el	14188 Feb 01 15:59	9°♎47'06	45°56'34		14190 Aug 14 14:12	0°♎	
	14188 Feb 25 09:08	0°♎					
greatest brilliancy	14188 Mar 11 16:53	8°♎20'33	-4.8m	superior conj	14190 Sep 07 17:40	0°♎15'30	-0°16'30
retrograde	14188 Mar 21 18:27	10°♎12'09		minimum elong	14190 Sep 07 21:47	0°♎28'24	0°16'24
asc. node	14188 Mar 29 15:48	8°♎56'20			14190 Sep 07 12:43	0°♎	
evening set	14188 Apr 05 14:32	5°♎52'12		max. Earth dist.	14190 Sep 09 02:16	1°♎57'35	1.71610 AU
inferior conj	14188 Apr 11 20:30	2°♎07'52	3°14'20	asc. node	14190 Sep 14 12:30	8°♎45'18	
minimum elong	14188 Apr 11 13:32	2°♎18'44	3°11'49		14190 Oct 01 12:09	0°♎	
min. Earth dist.	14188 Apr 11 21:22	2°♎06'30	0.28116 AU	evening rise	14190 Oct 16 17:34	19°♎00'05	

	14190 Oct 25 13:31	0°♊		desc. node	14193 Jun 21 10:12	5°♊39'43	
	14190 Nov 18 18:21	0°♋			14193 Jul 11 11:34	0°♌	
	14190 Dec 13 04:52	0°♍			14193 Aug 04 20:30	0°♎	
desc. node	14191 Jan 04 03:30	26°♍35'35			14193 Aug 29 00:31	0°♏	
	14191 Jan 06 23:31	0°♐			14193 Sep 22 02:36	0°♑	
	14191 Feb 01 04:44	0°♑		morning set	14193 Oct 11 11:40	24°♑08'55	
	14191 Feb 27 00:31	0°♒		asc. node	14193 Oct 12 02:58	24°♑56'35	
	14191 Mar 25 22:28	0°♓			14193 Oct 16 04:20	0°♒	
evening max el	14191 Apr 14 08:00	20°♓04'29	46°14'17		14193 Nov 09 06:27	0°♊	
	14191 Apr 24 20:54	0°♌					
asc. node	14191 Apr 27 01:04	1°♌55'17		superior conj	14193 Nov 18 19:59	11°♊54'00	1°15'31
greatest brilliancy	14191 May 24 10:55	19°♌51'07	-4.8m	minimum elong	14193 Nov 18 11:15	11°♊26'51	1°16'16
retrograde	14191 Jun 02 22:52	21°♌32'11		max. Earth dist.	14193 Nov 20 22:07	14°♊29'51	1.72451 AU
evening set	14191 Jun 21 04:05	15°♌14'47			14193 Dec 03 09:42	0°♋	
inferior conj	14191 Jun 23 17:10	13°♌40'31	9°10'21	evening rise	14193 Dec 26 00:39	28°♋00'31	
minimum elong	14191 Jun 23 17:52	13°♌39'26	9°09'17		14193 Dec 27 15:23	0°♌	
min. Earth dist.	14191 Jun 24 02:53	13°♌25'25	0.27565 AU		14194 Jan 21 00:43	0°♐	
morning rise	14191 Jun 26 07:36	12°♌04'01		desc. node	14194 Jan 31 16:59	13°♐03'50	
direct	14191 Jul 14 14:59	5°♌41'30			14194 Feb 14 14:17	0°♑	
greatest brilliancy	14191 Jul 24 15:26	7°♌34'45	-4.9m		14194 Mar 11 07:58	0°♒	
desc. node	14191 Aug 17 04:34	22°♌41'02			14194 Apr 05 06:13	0°♓	
	14191 Aug 25 09:10	0°♎			14194 Apr 30 12:10	0°♌	
morning max el	14191 Sep 03 02:12	8°♎27'45	46°55'38	asc. node	14194 May 24 11:11	27°♌44'43	
	14191 Sep 23 10:51	0°♏			14194 May 26 10:59	0°♎	
	14191 Oct 19 21:06	0°♑			14194 Jun 23 04:20	0°♏	
	14191 Nov 14 08:42	0°♒		evening max el	14194 Jun 26 06:45	3°♏07'29	46°40'44
asc. node	14191 Dec 08 03:52	28°♒32'18			14194 Jul 28 18:50	0°♑	
	14191 Dec 09 08:55	0°♊		greatest brilliancy	14194 Aug 05 08:04	3°♑33'41	-4.9m
	14192 Jan 03 02:00	0°♋		retrograde	14194 Aug 15 11:55	5°♑30'17	
	14192 Jan 27 14:28	0°♌		evening set	14194 Aug 30 07:26	1°♑11'40	
	14192 Feb 21 00:13	0°♐			14194 Sep 01 10:34	30°♒♏	
morning set	14192 Mar 02 09:48	12°♐48'35		inferior conj	14194 Sep 05 04:50	27°♏44'55	2°10'11
	14192 Mar 16 08:23	0°♑		minimum elong	14194 Sep 05 09:50	27°♏37'19	2°08'26
desc. node	14192 Mar 28 19:59	15°♑24'53		min. Earth dist.	14194 Sep 05 06:51	27°♏41'52	0.26951 AU
max. Earth dist.	14192 Apr 07 05:32	27°♑02'11	1.72754 AU	morning rise	14194 Sep 11 12:18	24°♏04'39	
				desc. node	14194 Sep 13 13:32	23°♏02'43	
superior conj	14192 Apr 09 13:12	29°♑54'24	-0°27'57	direct	14194 Sep 25 21:44	20°♏00'04	
minimum elong	14192 Apr 09 06:46	29°♑34'29	0°28'04	greatest brilliancy	14194 Oct 05 22:16	21°♏51'38	-4.8m
	14192 Apr 09 15:01	0°♒			14194 Oct 20 20:38	0°♑	
	14192 May 03 19:42	0°♓		morning max el	14194 Nov 14 15:22	21°♑19'55	46°20'10
evening rise	14192 May 18 06:13	17°♓57'02			14194 Nov 23 06:52	0°♒	
	14192 May 27 22:28	0°♌			14194 Dec 21 00:57	0°♊	
	14192 Jun 21 00:18	0°♎		asc. node	14195 Jan 04 15:26	16°♊38'01	
	14192 Jul 15 03:02	0°♏			14195 Jan 16 03:34	0°♋	
asc. node	14192 Jul 19 09:46	5°♏18'37			14195 Feb 10 10:58	0°♌	
	14192 Aug 08 09:05	0°♑			14195 Mar 07 07:29	0°♐	
	14192 Sep 01 21:40	0°♒			14195 Mar 31 21:25	0°♑	
	14192 Sep 26 22:37	0°♊			14195 Apr 25 06:35	0°♒	
	14192 Oct 23 00:29	0°♋		desc. node	14195 Apr 26 10:21	1°♋25'44	
desc. node	14192 Nov 08 06:16	17°♋34'42		morning set	14195 May 13 20:17	22°♋59'42	
evening max el	14192 Nov 19 05:49	28°♋41'35	46°10'00		14195 May 19 11:37	0°♓	
	14192 Nov 20 14:07	0°♌			14195 Jun 12 13:03	0°♌	
greatest brilliancy	14192 Dec 28 15:20	27°♌39'21	-4.8m	max. Earth dist.	14195 Jun 20 06:47	9°♌40'42	1.71708 AU
retrograde	14193 Jan 07 14:00	29°♌27'50					
evening set	14193 Jan 24 17:24	23°♌54'06		superior conj	14195 Jun 22 15:09	12°♌37'07	-1°27'26
inferior conj	14193 Jan 29 01:26	21°♌14'06	-6°45'21	minimum elong	14195 Jun 22 15:43	12°♌38'53	1°28'30
minimum elong	14193 Jan 29 11:41	20°♌58'00	6°42'35		14195 Jul 06 12:08	0°♎	
min. Earth dist.	14193 Jan 29 08:57	21°♌02'17	0.28771 AU		14195 Jul 30 10:31	0°♏	
morning rise	14193 Feb 03 05:51	18°♌04'04		evening rise	14195 Aug 01 18:06	2°♏54'04	
direct	14193 Feb 19 09:18	13°♌01'51		asc. node	14195 Aug 16 23:43	21°♏58'10	
asc. node	14193 Mar 01 08:40	14°♌50'58			14195 Aug 23 09:53	0°♑	
greatest brilliancy	14193 Mar 02 04:04	15°♌08'31	-4.8m		14195 Sep 16 11:43	0°♒	
	14193 Mar 25 10:25	0°♐			14195 Oct 10 18:01	0°♊	
morning max el	14193 Apr 09 15:21	13°♐53'19	45°57'00		14195 Nov 04 08:16	0°♋	
	14193 Apr 25 07:38	0°♑			14195 Nov 29 12:08	0°♌	
	14193 May 22 05:08	0°♒		desc. node	14195 Dec 06 17:12	8°♌25'07	
	14193 Jun 16 16:58	0°♓			14195 Dec 25 15:09	0°♐	

	14196 Jan 22 15:26	0° $\Upsilon$		morning set	14198 Jul 27 13:19	8° $\Omega$ 05'02	
evening max el	14196 Jan 30 08:16	7° $\Upsilon$ 36'37	45°56'28		14198 Aug 14 01:03	0° $\mathbb{N}$	
	14196 Feb 26 07:52	0° $\mathcal{B}$					
greatest brilliancy	14196 Mar 09 07:25	6° $\mathcal{B}$ 05'26	-4.8m	superior conj	14198 Sep 05 06:09	27° $\mathbb{N}$ 50'30	-0°20'13
retrograde	14196 Mar 19 09:31	7° $\mathcal{B}$ 56'57		minimum elong	14198 Sep 05 11:10	28° $\mathbb{N}$ 06'12	0°20'07
asc. node	14196 Mar 28 17:44	6° $\mathcal{B}$ 11'12		max. Earth dist.	14198 Sep 06 11:35	29° $\mathbb{N}$ 22'40	1.71588 AU
evening set	14196 Apr 03 04:47	3° $\mathcal{B}$ 38'18			14198 Sep 06 23:30	0° $\underline{\mathcal{A}}$	
inferior conj	14196 Apr 09 11:36	29° $\Upsilon$ 52'22	2°53'34	asc. node	14198 Sep 13 14:14	8° $\underline{\mathcal{A}}$ 16'58	
minimum elong	14196 Apr 09 05:19	0° $\mathcal{B}$ 02'13	2°51'17		14198 Sep 30 22:55	0° $\mathbb{M}$	
	14196 Apr 09 06:44	30° $\mathcal{K}\Upsilon$		evening rise	14198 Oct 14 07:58	16° $\mathbb{M}$ 41'47	
min. Earth dist.	14196 Apr 09 12:34	29° $\Upsilon$ 50'51	0.28134 AU		14198 Oct 25 00:20	0° $\mathcal{A}$	
morning rise	14196 Apr 15 05:39	26° $\Upsilon$ 24'00			14198 Nov 18 05:18	0° $\mathcal{Z}$	
direct	14196 Apr 30 15:44	21° $\Upsilon$ 44'06			14198 Dec 12 16:06	0° $\approx$	
greatest brilliancy	14196 May 11 00:54	23° $\Upsilon$ 45'02	-4.8m	desc. node	14199 Jan 03 05:23	26° $\approx$ 06'19	
	14196 May 22 21:34	0° $\mathcal{B}$			14199 Jan 06 11:13	0° $\mathcal{H}$	
morning max el	14196 Jun 19 18:16	23° $\mathcal{B}$ 54'11	46°39'35		14199 Jan 31 17:16	0° $\Upsilon$	
	14196 Jun 25 18:10	0° $\mathbb{I}$			14199 Feb 26 14:35	0° $\mathcal{B}$	
desc. node	14196 Jul 18 21:03	25° $\mathbb{I}$ 11'40			14199 Mar 25 15:55	0° $\mathbb{I}$	
	14196 Jul 23 02:22	0° $\mathcal{E}$		evening max el	14199 Apr 11 20:46	17° $\mathbb{I}$ 42'33	46°13'18
	14196 Aug 17 17:04	0° $\Omega$			14199 Apr 25 02:05	0° $\mathcal{E}$	
	14196 Sep 11 14:24	0° $\mathbb{N}$		asc. node	14199 Apr 26 03:05	0° $\mathcal{E}$ 53'49	
	14196 Oct 06 03:57	0° $\underline{\mathcal{A}}$		greatest brilliancy	14199 May 22 00:25	17° $\mathcal{E}$ 30'07	-4.8m
	14196 Oct 30 13:48	0° $\mathbb{M}$		retrograde	14199 May 31 11:45	19° $\mathcal{E}$ 11'07	
asc. node	14196 Nov 08 16:57	11° $\mathbb{M}$ 15'20		evening set	14199 Jun 18 16:46	12° $\mathcal{E}$ 54'43	
	14196 Nov 23 21:28	0° $\mathcal{A}$		inferior conj	14199 Jun 21 06:53	11° $\mathcal{E}$ 18'58	9°10'17
	14196 Dec 18 03:49	0° $\mathcal{Z}$		minimum elong	14199 Jun 21 06:36	11° $\mathcal{E}$ 19'24	9°09'14
morning set	14196 Dec 21 06:04	3° $\mathcal{Z}$ 49'35		min. Earth dist.	14199 Jun 21 16:19	11° $\mathcal{E}$ 04'16	0.27596 AU
	14197 Jan 11 09:57	0° $\approx$		morning rise	14199 Jun 23 20:22	9° $\mathcal{E}$ 43'51	
				direct	14199 Jul 12 04:17	3° $\mathcal{E}$ 19'08	
superior conj	14197 Jan 27 02:08	19° $\approx$ 21'43	1°07'50	greatest brilliancy	14199 Jul 22 05:57	5° $\mathcal{E}$ 13'13	-4.9m
minimum elong	14197 Jan 27 11:46	19° $\approx$ 51'27	1°08'18	desc. node	14199 Aug 16 06:29	21° $\mathcal{E}$ 35'58	
max. Earth dist.	14197 Jan 28 10:02	21° $\approx$ 00'11	1.73113 AU		14199 Aug 25 11:10	0° $\Omega$	
	14197 Feb 04 16:59	0° $\mathcal{H}$		morning max el	14199 Aug 31 15:33	6° $\Omega$ 04'12	46°56'07
desc. node	14197 Feb 28 07:12	29° $\mathcal{H}$ 04'18			14199 Sep 23 03:56	0° $\mathbb{N}$	
	14197 Mar 01 01:18	0° $\Upsilon$			14199 Oct 19 11:11	0° $\underline{\mathcal{A}}$	
evening rise	14197 Mar 05 19:20	5° $\Upsilon$ 51'01			14199 Nov 13 21:18	0° $\mathbb{M}$	
	14197 Mar 25 10:22	0° $\mathcal{B}$		asc. node	14199 Dec 07 05:49	28° $\mathbb{M}$ 02'41	
	14197 Apr 18 19:31	0° $\mathbb{I}$			14199 Dec 08 20:38	0° $\mathcal{A}$	
	14197 May 13 05:04	0° $\mathcal{E}$			14200 Jan 02 13:12	0° $\mathcal{Z}$	
	14197 Jun 06 17:02	0° $\Omega$			14200 Jan 27 01:19	0° $\approx$	
asc. node	14197 Jun 20 22:45	17° $\Omega$ 18'20			14200 Feb 20 10:53	0° $\mathcal{H}$	
	14197 Jul 01 11:21	0° $\mathbb{N}$		morning set	14200 Mar 01 02:07	10° $\mathcal{H}$ 38'15	
	14197 Jul 26 19:03	0° $\underline{\mathcal{A}}$			14200 Mar 16 18:57	0° $\Upsilon$	
	14197 Aug 22 08:04	0° $\mathbb{M}$		desc. node	14200 Mar 28 21:50	14° $\Upsilon$ 57'59	
evening max el	14197 Sep 06 15:25	16° $\mathbb{M}$ 02'06	46°38'17	max. Earth dist.	14200 Apr 05 23:23	24° $\Upsilon$ 56'14	1.72784 AU
	14197 Sep 21 12:25	0° $\mathcal{A}$					
desc. node	14197 Oct 10 22:38	13° $\mathcal{A}$ 52'09		superior conj	14200 Apr 08 03:55	27° $\Upsilon$ 38'45	-0°24'33
greatest brilliancy	14197 Oct 15 20:50	16° $\mathcal{A}$ 06'26	-4.8m	minimum elong	14200 Apr 07 22:12	27° $\Upsilon$ 21'05	0°24'40
retrograde	14197 Oct 26 19:57	18° $\mathcal{A}$ 18'49			14200 Apr 10 01:34	0° $\mathcal{B}$	
evening set	14197 Nov 12 14:03	12° $\mathcal{A}$ 55'08			14200 May 04 06:19	0° $\mathbb{I}$	
min. Earth dist.	14197 Nov 16 05:04	10° $\mathcal{A}$ 43'22	0.28148 AU	evening rise	14200 May 16 20:05	15° $\mathbb{I}$ 37'46	
inferior conj	14197 Nov 17 01:29	10° $\mathcal{A}$ 11'42	-7°45'13		14200 May 28 09:11	0° $\mathcal{E}$	
minimum elong	14197 Nov 16 16:11	10° $\mathcal{A}$ 26'09	7°42'51		14200 Jun 21 11:12	0° $\Omega$	
morning rise	14197 Nov 20 18:41	7° $\mathcal{A}$ 56'01			14200 Jul 15 14:12	0° $\mathbb{N}$	
direct	14197 Dec 08 04:42	2° $\mathcal{A}$ 15'06		asc. node	14200 Jul 19 11:33	4° $\mathbb{N}$ 49'20	
greatest brilliancy	14197 Dec 17 16:18	3° $\mathcal{A}$ 53'45	-4.8m		14200 Aug 08 20:39	0° $\underline{\mathcal{A}}$	
	14198 Jan 23 13:31	0° $\mathcal{Z}$			14200 Sep 02 09:54	0° $\mathbb{M}$	
morning max el	14198 Jan 26 03:18	2° $\mathcal{Z}$ 27'41	45°45'11		14200 Sep 27 11:59	0° $\mathcal{A}$	
asc. node	14198 Feb 01 01:25	8° $\mathcal{Z}$ 17'46			14200 Oct 23 16:13	0° $\mathcal{Z}$	
	14198 Feb 21 15:07	0° $\approx$		desc. node	14200 Nov 08 08:22	16° $\mathcal{Z}$ 51'39	
	14198 Mar 20 02:57	0° $\mathcal{H}$		evening max el	14200 Nov 17 20:05	26° $\mathcal{Z}$ 25'56	46°11'02
	14198 Apr 14 13:15	0° $\Upsilon$			14200 Nov 21 13:00	0° $\approx$	
	14198 May 09 09:39	0° $\mathcal{B}$		greatest brilliancy	14200 Dec 27 06:05	25° $\approx$ 27'12	-4.8m
desc. node	14198 May 23 23:52	17° $\mathcal{B}$ 50'41		retrograde	14201 Jan 06 05:48	27° $\approx$ 16'51	
	14198 Jun 02 20:56	0° $\mathbb{I}$		evening set	14201 Jan 23 11:57	21° $\approx$ 38'13	
	14198 Jun 27 01:44	0° $\mathcal{E}$		inferior conj	14201 Jan 27 17:08	19° $\approx$ 02'40	-6°58'25
	14198 Jul 21 02:22	0° $\Omega$		minimum elong	14201 Jan 28 03:15	18° $\approx$ 46'48	6°55'45

min. Earth dist.	14201 Jan 28 00:11	18° $\approx$ 51'37	0.28786 AU			14203 Jul 30 21:06	0° $\cap$	
morning rise	14201 Feb 01 18:27	15° $\approx$ 57'23		evening rise		14203 Jul 31 05:48	0° $\cap$ 27'16	
direct	14201 Feb 18 00:46	10° $\approx$ 50'16		asc. node		14203 Aug 17 01:31	21° $\cap$ 30'34	
greatest brilliancy	14201 Feb 28 19:42	12° $\approx$ 57'11	-4.8m			14203 Aug 23 20:33	0° $\Delta$	
asc. node	14201 Mar 01 10:40	13° $\approx$ 11'30				14203 Sep 16 22:31	0° $\cap$	
	14201 Mar 26 16:11	0° $\times$				14203 Oct 11 05:07	0° $\nearrow$	
morning max el	14201 Apr 08 07:21	11° $\times$ 41'43	45°55'58			14203 Nov 04 19:53	0° $\searrow$	
	14201 Apr 26 00:48	0° $\Upsilon$				14203 Nov 30 00:45	0° $\approx$	
	14201 May 22 18:59	0° $\delta$		desc. node		14203 Dec 06 19:02	7° $\approx$ 52'42	
	14201 Jun 17 05:22	0° $\Pi$				14203 Dec 26 05:47	0° $\times$	
desc. node	14201 Jun 21 12:06	5° $\Pi$ 08'40				14204 Jan 23 11:15	0° $\Upsilon$	
	14201 Jul 11 23:12	0° $\ominus$		evening max el		14204 Jan 29 00:07	5° $\Upsilon$ 25'59	45°56'23
	14201 Aug 05 07:41	0° $\Omega$				14204 Feb 28 14:54	0° $\delta$	
	14201 Aug 29 11:25	0° $\cap$		greatest brilliancy		14204 Mar 07 22:32	3° $\delta$ 51'56	-4.8m
	14201 Sep 22 13:20	0° $\Delta$		retrograde		14204 Mar 18 00:02	5° $\delta$ 42'40	
morning set	14201 Oct 10 01:36	21° $\Delta$ 49'39		asc. node		14204 Mar 28 19:47	3° $\delta$ 22'01	
asc. node	14201 Oct 12 04:53	24° $\Delta$ 29'27		evening set		14204 Apr 01 19:13	1° $\delta$ 25'08	
	14201 Oct 16 14:56	0° $\cap$				14204 Apr 04 06:36	30° $\kappa$ $\Upsilon$	
	14201 Nov 09 16:57	0° $\nearrow$		inferior conj		14204 Apr 08 02:41	27° $\Upsilon$ 37'58	2°32'39
superior conj	14201 Nov 17 11:30	9° $\nearrow$ 40'27	1°13'46	minimum elong		14204 Apr 07 21:06	27° $\Upsilon$ 46'44	2°30'34
minimum elong	14201 Nov 17 02:21	9° $\nearrow$ 11'59	1°14'29	min. Earth dist.		14204 Apr 08 04:05	27° $\Upsilon$ 35'47	0.28151 AU
max. Earth dist.	14201 Nov 19 13:03	12° $\nearrow$ 14'31	1.72421 AU	morning rise		14204 Apr 13 22:47	24° $\Upsilon$ 06'24	
	14201 Dec 03 20:09	0° $\searrow$		direct		14204 Apr 29 07:16	19° $\Upsilon$ 29'41	
evening rise	14201 Dec 24 16:38	25° $\searrow$ 49'19		greatest brilliancy		14204 May 09 16:37	21° $\Upsilon$ 30'32	-4.8m
	14201 Dec 28 01:52	0° $\approx$				14204 May 24 18:50	0° $\delta$	
	14202 Jan 21 11:22	0° $\times$		morning max el		14204 Jun 18 08:28	21° $\delta$ 35'58	46°38'07
desc. node	14202 Jan 31 18:42	12° $\times$ 36'17				14204 Jun 26 13:33	0° $\Pi$	
	14202 Feb 15 01:14	0° $\Upsilon$		desc. node		14204 Jul 18 22:52	24° $\Pi$ 33'27	
	14202 Mar 11 19:23	0° $\delta$				14204 Jul 23 17:10	0° $\ominus$	
	14202 Apr 05 18:20	0° $\Pi$				14204 Aug 18 06:00	0° $\Omega$	
	14202 May 01 01:27	0° $\ominus$				14204 Sep 12 02:20	0° $\cap$	
asc. node	14202 May 24 13:12	27° $\ominus$ 07'05				14204 Oct 06 15:16	0° $\Delta$	
	14202 May 27 02:34	0° $\Omega$		asc. node		14204 Oct 31 00:40	0° $\cap$	
	14202 Jun 24 01:56	0° $\cap$				14204 Nov 08 18:50	10° $\cap$ 47'56	
evening max el	14202 Jun 24 21:07	0° $\cap$ 47'57	46°40'19			14204 Nov 24 08:02	0° $\nearrow$	
	14202 Aug 01 00:07	0° $\Delta$		morning set		14204 Dec 18 14:13	0° $\searrow$	
greatest brilliancy	14202 Aug 03 21:39	1° $\Delta$ 10'50	-4.9m			14204 Dec 19 22:40	1° $\searrow$ 40'23	
retrograde	14202 Aug 14 01:40	3° $\Delta$ 07'10				14205 Jan 11 20:18	0° $\approx$	
	14202 Aug 26 12:34	30° $\kappa$ $\cap$		superior conj		14205 Jan 25 18:53	17° $\approx$ 13'25	1°09'51
evening set	14202 Aug 28 22:30	28° $\cap$ 45'49		minimum elong		14205 Jan 26 04:18	17° $\approx$ 42'30	1°10'22
inferior conj	14202 Sep 03 17:42	25° $\cap$ 21'53	2°33'39	max. Earth dist.		14205 Jan 27 04:04	18° $\approx$ 55'50	1.73103 AU
minimum elong	14202 Sep 03 23:32	25° $\cap$ 13'00	2°31'37			14205 Feb 05 03:20	0° $\times$	
min. Earth dist.	14202 Sep 03 20:33	25° $\cap$ 17'33	0.26947 AU	desc. node		14205 Feb 28 09:02	28° $\times$ 37'52	
morning rise	14202 Sep 10 00:41	21° $\cap$ 42'27				14205 Mar 01 11:44	0° $\Upsilon$	
desc. node	14202 Sep 13 15:31	19° $\cap$ 58'20		evening rise		14205 Mar 04 11:07	3° $\Upsilon$ 39'41	
direct	14202 Sep 24 11:08	17° $\cap$ 36'56				14205 Mar 25 20:57	0° $\delta$	
greatest brilliancy	14202 Oct 04 11:07	19° $\cap$ 28'35	-4.8m			14205 Apr 19 06:23	0° $\Pi$	
	14202 Oct 22 15:28	0° $\Delta$				14205 May 13 16:20	0° $\ominus$	
morning max el	14202 Nov 13 06:16	19° $\Delta$ 03'41	46°21'35			14205 Jun 07 04:53	0° $\Omega$	
	14202 Nov 24 02:22	0° $\cap$		asc. node		14205 Jun 21 00:33	16° $\Omega$ 46'37	
	14202 Dec 21 15:41	0° $\nearrow$				14205 Jul 02 00:07	0° $\cap$	
asc. node	14203 Jan 04 17:16	16° $\nearrow$ 04'27				14205 Jul 27 09:23	0° $\Delta$	
	14203 Jan 16 16:17	0° $\searrow$				14205 Aug 23 01:57	0° $\cap$	
	14203 Feb 10 22:37	0° $\approx$		evening max el		14205 Sep 05 05:44	13° $\cap$ 42'52	46°38'59
	14203 Mar 07 18:34	0° $\times$				14205 Sep 22 20:00	0° $\nearrow$	
	14203 Apr 01 08:11	0° $\Upsilon$		desc. node		14205 Oct 11 00:42	12° $\nearrow$ 19'52	
	14203 Apr 25 17:12	0° $\delta$		greatest brilliancy		14205 Oct 14 12:22	13° $\nearrow$ 50'55	-4.8m
desc. node	14203 Apr 26 12:12	0° $\delta$ 58'41		retrograde		14205 Oct 25 10:28	16° $\nearrow$ 02'44	
morning set	14203 May 12 09:03	20° $\delta$ 37'39		evening set		14205 Nov 11 01:08	10° $\nearrow$ 45'15	
	14203 May 19 22:09	0° $\Pi$		min. Earth dist.		14205 Nov 14 19:44	8° $\nearrow$ 28'22	0.28092 AU
	14203 Jun 12 23:35	0° $\ominus$		inferior conj		14205 Nov 15 16:11	7° $\nearrow$ 56'40	-7°34'22
max. Earth dist.	14203 Jun 18 16:36	7° $\ominus$ 08'21	1.71731 AU	minimum elong		14205 Nov 15 06:27	8° $\nearrow$ 11'46	7°31'49
				morning rise		14205 Nov 19 12:07	5° $\nearrow$ 36'50	
superior conj	14203 Jun 21 03:24	10° $\ominus$ 12'15	-1°27'26	direct		14205 Dec 06 18:37	0° $\nearrow$ 00'55	
minimum elong	14203 Jun 21 02:56	10° $\ominus$ 10'48	1°28'30	greatest brilliancy		14205 Dec 16 06:24	1° $\nearrow$ 39'15	-4.8m
	14203 Jul 06 22:40	0° $\Omega$		morning max el		14206 Jan 24 16:36	0° $\searrow$ 10'32	45°45'39

	14206 Jan 24 12:14	0° $\text{Z}$			14208 Sep 27 01:36	0° $\text{X}$	
asc. node	14206 Feb 01 03:25	7° $\text{Z}$ 33'01			14208 Oct 23 08:23	0° $\text{Z}$	
	14206 Feb 22 06:38	0° $\approx$		desc. node	14208 Nov 07 10:15	16° $\text{Z}$ 07'01	
	14206 Mar 20 16:02	0° $\text{X}$		evening max el	14208 Nov 15 11:29	24° $\text{Z}$ 12'44	46°12'09
	14206 Apr 15 01:11	0° $\text{Y}$			14208 Nov 21 13:05	0° $\approx$	
	14206 May 09 20:59	0° $\text{X}$		greatest brilliancy	14208 Dec 24 20:32	23° $\approx$ 14'49	-4.8m
desc. node	14206 May 24 01:43	17° $\text{X}$ 22'12		retrograde	14209 Jan 03 22:06	25° $\approx$ 06'00	
	14206 Jun 03 07:55	0° $\text{II}$		evening set	14209 Jan 21 06:40	19° $\approx$ 22'37	
	14206 Jun 27 12:33	0° $\text{E}$		inferior conj	14209 Jan 25 09:00	16° $\approx$ 51'25	-7°10'52
	14206 Jul 21 13:05	0° $\text{O}$		minimum elong	14209 Jan 25 18:55	16° $\approx$ 35'53	7°08'18
morning set	14206 Jul 26 01:10	5° $\text{O}$ 38'22		min. Earth dist.	14209 Jan 25 15:07	16° $\approx$ 41'49	0.28795 AU
	14206 Aug 14 11:42	0° $\text{P}$		morning rise	14209 Jan 30 07:07	13° $\approx$ 51'07	
				direct	14209 Feb 15 16:54	8° $\approx$ 39'09	
superior conj	14206 Sep 03 18:37	25° $\text{P}$ 25'58	-0°23'54	greatest brilliancy	14209 Feb 26 10:45	10° $\approx$ 45'31	-4.8m
minimum elong	14206 Sep 04 00:30	25° $\text{P}$ 44'25	0°23'49	asc. node	14209 Feb 28 12:42	11° $\approx$ 35'52	
max. Earth dist.	14206 Sep 04 18:47	26° $\text{P}$ 41'42	1.71568 AU		14209 Mar 26 19:58	0° $\text{X}$	
	14206 Sep 07 10:07	0° $\text{E}$		morning max el	14209 Apr 05 23:49	9° $\text{X}$ 31'24	45°54'48
asc. node	14206 Sep 13 16:10	7° $\text{E}$ 49'46			14209 Apr 25 17:40	0° $\text{Y}$	
	14206 Oct 01 09:31	0° $\text{M}$			14209 May 22 08:52	0° $\text{X}$	
evening rise	14206 Oct 12 22:28	14° $\text{M}$ 24'14			14209 Jun 16 17:57	0° $\text{II}$	
	14206 Oct 25 10:58	0° $\text{X}$		desc. node	14209 Jun 20 13:55	4° $\text{II}$ 36'43	
	14206 Nov 18 16:03	0° $\text{Z}$			14209 Jul 11 11:05	0° $\text{E}$	
	14206 Dec 13 03:06	0° $\approx$			14209 Aug 04 19:09	0° $\text{O}$	
desc. node	14207 Jan 03 07:12	25° $\approx$ 37'30			14209 Aug 28 22:36	0° $\text{P}$	
	14207 Jan 06 22:43	0° $\text{X}$			14209 Sep 22 00:19	0° $\text{E}$	
	14207 Feb 01 05:39	0° $\text{Y}$		morning set	14209 Oct 07 15:23	19° $\text{E}$ 29'03	
	14207 Feb 27 04:40	0° $\text{X}$		asc. node	14209 Oct 11 06:40	24° $\text{E}$ 01'10	
	14207 Mar 26 09:42	0° $\text{II}$			14209 Oct 16 01:47	0° $\text{M}$	
evening max el	14207 Apr 10 09:52	15° $\text{II}$ 21'42	46°12'19		14209 Nov 09 03:42	0° $\text{X}$	
asc. node	14207 Apr 26 05:06	29° $\text{II}$ 50'47					
	14207 Apr 26 09:30	0° $\text{E}$		superior conj	14209 Nov 15 02:53	7° $\text{X}$ 25'33	1°11'54
greatest brilliancy	14207 May 20 13:21	15° $\text{E}$ 08'36	-4.8m	minimum elong	14209 Nov 14 17:21	6° $\text{X}$ 55'54	1°12'33
retrograde	14207 May 30 01:08	16° $\text{E}$ 50'21		max. Earth dist.	14209 Nov 17 05:46	10° $\text{X}$ 03'51	1.72391 AU
evening set	14207 Jun 17 04:51	10° $\text{E}$ 35'32			14209 Dec 03 06:53	0° $\text{Z}$	
inferior conj	14207 Jun 19 20:35	8° $\text{E}$ 57'27	9°09'14	evening rise	14209 Dec 22 08:41	23° $\text{Z}$ 37'25	
minimum elong	14207 Jun 19 19:20	8° $\text{E}$ 59'24	9°08'10		14209 Dec 27 12:38	0° $\approx$	
min. Earth dist.	14207 Jun 20 05:27	8° $\text{E}$ 43'40	0.27627 AU		14210 Jan 20 22:17	0° $\text{X}$	
morning rise	14207 Jun 22 09:45	7° $\text{E}$ 22'57		desc. node	14210 Jan 30 20:37	12° $\text{X}$ 08'31	
direct	14207 Jul 10 17:52	0° $\text{E}$ 56'49			14210 Feb 14 12:26	0° $\text{Y}$	
greatest brilliancy	14207 Jul 20 20:10	2° $\text{E}$ 51'37	-4.9m		14210 Mar 11 07:03	0° $\text{X}$	
desc. node	14207 Aug 16 08:34	20° $\text{E}$ 32'58			14210 Apr 05 06:44	0° $\text{II}$	
	14207 Aug 26 11:46	0° $\text{O}$			14210 Apr 30 15:09	0° $\text{E}$	
morning max el	14207 Aug 30 05:48	3° $\text{O}$ 43'04	46°56'32	asc. node	14210 May 23 15:00	26° $\text{E}$ 27'25	
	14207 Sep 23 20:37	0° $\text{P}$			14210 May 26 18:48	0° $\text{O}$	
	14207 Oct 20 01:06	0° $\text{E}$		evening max el	14210 Jun 22 11:44	28° $\text{O}$ 27'38	46°39'33
	14207 Nov 14 09:48	0° $\text{M}$			14210 Jun 24 01:01	0° $\text{P}$	
asc. node	14207 Dec 07 07:37	27° $\text{M}$ 32'41		greatest brilliancy	14210 Aug 01 11:24	28° $\text{P}$ 46'10	-4.9m
	14207 Dec 09 08:18	0° $\text{X}$			14210 Aug 05 15:15	0° $\text{E}$	
	14208 Jan 03 00:19	0° $\text{Z}$		retrograde	14210 Aug 11 14:50	0° $\text{E}$ 41'29	
	14208 Jan 27 12:05	0° $\approx$			14210 Aug 17 10:26	30° $\text{R}$ $\text{P}$	
	14208 Feb 20 21:28	0° $\text{X}$		evening set	14210 Aug 26 13:31	26° $\text{P}$ 17'32	
morning set	14208 Feb 27 18:50	8° $\text{X}$ 29'16		inferior conj	14210 Sep 01 06:17	22° $\text{P}$ 56'31	2°57'05
	14208 Mar 16 05:29	0° $\text{Y}$		minimum elong	14210 Sep 01 12:56	22° $\text{P}$ 46'24	2°54'47
desc. node	14208 Mar 27 23:44	14° $\text{Y}$ 31'12		min. Earth dist.	14210 Sep 01 10:05	22° $\text{P}$ 50'44	0.26944 AU
max. Earth dist.	14208 Apr 03 18:51	22° $\text{Y}$ 55'19	1.72819 AU	morning rise	14210 Sep 07 12:30	19° $\text{P}$ 18'03	
				desc. node	14210 Sep 12 17:34	16° $\text{P}$ 55'55	
superior conj	14208 Apr 05 18:46	25° $\text{Y}$ 23'29	-0°21'09	direct	14210 Sep 22 00:24	15° $\text{P}$ 11'37	
minimum elong	14208 Apr 05 13:49	25° $\text{Y}$ 08'10	0°21'15	greatest brilliancy	14210 Oct 01 23:42	17° $\text{P}$ 03'01	-4.8m
	14208 Apr 09 12:10	0° $\text{X}$			14210 Oct 23 06:18	0° $\text{E}$	
	14208 May 03 17:01	0° $\text{II}$		morning max el	14210 Nov 10 20:04	16° $\text{E}$ 43'09	46°23'06
evening rise	14208 May 14 09:58	13° $\text{II}$ 18'16			14210 Nov 23 21:47	0° $\text{M}$	
	14208 May 27 20:02	0° $\text{E}$			14210 Dec 21 06:37	0° $\text{X}$	
	14208 Jun 20 22:14	0° $\text{O}$		asc. node	14211 Jan 03 19:13	15° $\text{X}$ 30'18	
	14208 Jul 15 01:31	0° $\text{P}$			14211 Jan 16 05:17	0° $\text{Z}$	
asc. node	14208 Jul 18 13:24	4° $\text{P}$ 19'51			14211 Feb 10 10:36	0° $\approx$	
	14208 Aug 08 08:24	0° $\text{E}$			14211 Mar 07 05:59	0° $\text{X}$	
	14208 Sep 01 22:19	0° $\text{M}$			14211 Mar 31 19:17	0° $\text{Y}$	

	14211 Apr 25 04:07	0°♄	greatest brilliancy	14213 Oct 12 03:26	11°♄32'36	-4.8m
desc. node	14211 Apr 25 14:00	0°♄30'33	retrograde	14213 Oct 23 00:46	13°♄44'20	
morning set	14211 May 09 22:21	18°♄16'23	evening set	14213 Nov 08 11:53	8°♄32'42	
	14211 May 19 09:00	0°♂	min. Earth dist.	14213 Nov 12 10:19	6°♄10'35	0.28041 AU
	14211 Jun 12 10:25	0°♄	inferior conj	14213 Nov 13 06:36	5°♄39'11	-7°22'28
max. Earth dist.	14211 Jun 16 01:15	4°♄31'20 1.71763 AU	minimum elong	14213 Nov 12 20:31	5°♄54'48	7°19'46
			morning rise	14213 Nov 17 05:30	3°♄15'03	
superior conj	14211 Jun 18 15:59	7°♄47'31 -1°27'17		14213 Nov 23 14:27	30°♄♂	
minimum elong	14211 Jun 18 14:30	7°♄42'53 1°28'20	direct	14213 Dec 04 07:59	27°♄44'00	
	14211 Jul 06 09:34	0°♂	greatest brilliancy	14213 Dec 13 20:51	29°♄22'53	-4.8m
evening rise	14211 Jul 28 17:22	27°♂58'36		14213 Dec 15 14:17	0°♄	
	14211 Jul 30 08:07	0°♄	morning max el	14214 Jan 22 05:59	27°♄51'52	45°46'19
asc. node	14211 Aug 16 03:26	21°♄01'54		14214 Jan 24 10:40	0°♄	
	14211 Aug 23 07:41	0°♂	asc. node	14214 Jan 31 05:30	6°♄47'35	
	14211 Sep 16 09:51	0°♄		14214 Feb 21 22:24	0°♄	
	14211 Oct 10 16:44	0°♄		14214 Mar 20 05:25	0°♄	
	14211 Nov 04 08:04	0°♄		14214 Apr 14 13:26	0°♄	
	14211 Nov 29 13:59	0°♄		14214 May 09 08:37	0°♄	
desc. node	14211 Dec 05 20:55	7°♄18'47	desc. node	14214 May 23 03:29	16°♄52'30	
	14211 Dec 25 21:09	0°♄		14214 Jun 02 19:13	0°♂	
	14212 Jan 23 08:19	0°♄		14214 Jun 26 23:38	0°♄	
evening max el	14212 Jan 26 15:10	3°♄12'03 45°56'22		14214 Jul 21 00:03	0°♂	
	14212 Mar 01 14:04	0°♄	morning set	14214 Jul 23 13:27	3°♂12'16	
greatest brilliancy	14212 Mar 05 14:13	1°♄38'04 -4.8m		14214 Aug 13 22:34	0°♄	
retrograde	14212 Mar 15 14:25	3°♄27'45				
asc. node	14212 Mar 27 21:46	0°♄27'49	superior conj	14214 Sep 01 07:23	23°♄01'43 -0°27'31	
	14212 Mar 28 20:32	30°♄♂	minimum elong	14214 Sep 01 14:07	23°♄22'47 0°27'25	
evening set	14212 Mar 30 09:57	29°♄10'55	max. Earth dist.	14214 Sep 02 03:46	24°♄05'34 1.71555 AU	
inferior conj	14212 Apr 05 17:56	25°♄23'02 2°11'35		14214 Sep 06 20:56	0°♂	
minimum elong	14212 Apr 05 13:04	25°♄30'39 2°09'45	asc. node	14214 Sep 12 17:57	7°♄21'25	
min. Earth dist.	14212 Apr 05 20:01	25°♄19'45 0.28165 AU		14214 Sep 30 20:22	0°♄	
morning rise	14212 Apr 11 15:55	21°♄48'27	evening rise	14214 Oct 10 13:04	12°♄06'13	
direct	14212 Apr 26 22:25	17°♄14'40		14214 Oct 24 21:54	0°♄	
greatest brilliancy	14212 May 07 08:55	19°♄16'04 -4.8m		14214 Nov 18 03:09	0°♄	
	14212 May 25 10:53	0°♄		14214 Dec 12 14:30	0°♄	
morning max el	14212 Jun 15 21:51	19°♄14'54 46°36'41	desc. node	14215 Jan 02 09:07	25°♄07'48	
	14212 Jun 26 08:40	0°♂		14215 Jan 06 10:38	0°♄	
desc. node	14212 Jul 18 00:57	23°♂55'24		14215 Jan 31 18:31	0°♄	
	14212 Jul 23 08:06	0°♄		14215 Feb 26 19:17	0°♄	
	14212 Aug 17 19:15	0°♂		14215 Mar 26 04:20	0°♂	
	14212 Sep 11 14:42	0°♄	evening max el	14215 Apr 07 23:36	13°♂01'44 46°11'28	
	14212 Oct 06 03:04	0°♂	asc. node	14215 Apr 25 06:59	28°♂44'56	
	14212 Oct 30 12:04	0°♄		14215 Apr 26 20:09	0°♄	
asc. node	14212 Nov 07 20:38	10°♄18'38	greatest brilliancy	14215 May 18 01:45	12°♄45'51 -4.8m	
	14212 Nov 23 19:07	0°♄	retrograde	14215 May 27 15:01	14°♄28'54	
morning set	14212 Dec 17 14:47	29°♄28'03	evening set	14215 Jun 14 16:27	8°♄16'20	
	14212 Dec 18 01:07	0°♄	inferior conj	14215 Jun 17 10:15	6°♄35'14 9°07'21	
	14213 Jan 11 07:06	0°♄	minimum elong	14215 Jun 17 08:04	6°♄38'37 9°06'13	
			min. Earth dist.	14215 Jun 17 18:13	6°♄22'51 0.27652 AU	
superior conj	14213 Jan 23 11:25	15°♄03'01 1°11'47	morning rise	14215 Jun 19 23:36	5°♄00'33	
minimum elong	14213 Jan 23 20:35	15°♄31'18 1°12'20		14215 Jun 30 00:06	30°♄♂	
max. Earth dist.	14213 Jan 24 20:35	16°♄45'22 1.73091 AU	direct	14215 Jul 08 07:58	28°♂34'03	
	14213 Feb 04 14:09	0°♄		14215 Jul 16 23:50	0°♄	
desc. node	14213 Feb 27 10:55	28°♄10'10	greatest brilliancy	14215 Jul 18 09:46	0°♄28'56 -4.9m	
	14213 Feb 28 22:37	0°♄	desc. node	14215 Aug 15 10:30	19°♄30'54	
evening rise	14213 Mar 02 02:53	1°♄26'56		14215 Aug 26 11:19	0°♂	
	14213 Mar 25 08:00	0°♄	morning max el	14215 Aug 27 20:43	1°♂23'30 46°57'02	
	14213 Apr 18 17:40	0°♂		14215 Sep 23 13:01	0°♄	
	14213 May 13 04:00	0°♄		14215 Oct 19 14:55	0°♂	
	14213 Jun 06 17:06	0°♂		14215 Nov 13 22:18	0°♄	
asc. node	14213 Jun 20 02:30	16°♂14'23	asc. node	14215 Dec 06 09:32	27°♄02'49	
	14213 Jul 01 13:14	0°♄		14215 Dec 08 20:03	0°♄	
	14213 Jul 27 00:13	0°♂		14216 Jan 02 11:34	0°♄	
	14213 Aug 22 20:42	0°♄		14216 Jan 26 23:03	0°♄	
evening max el	14213 Sep 02 19:09	11°♄20'03 46°39'25		14216 Feb 20 08:14	0°♄	
	14213 Sep 23 07:17	0°♄	morning set	14216 Feb 25 11:17	6°♄18'56	
desc. node	14213 Oct 10 02:37	10°♄41'54		14216 Mar 15 16:12	0°♄	

desc. node	14216 Mar 27 01:25	14° $\Upsilon$ 03'18		desc. node	14218 Sep 11 19:31	13° $\mathfrak{M}$ 59'36	
max. Earth dist.	14216 Apr 01 14:22	20° $\Upsilon$ 54'06	1.72847 AU	direct	14218 Sep 19 13:17	12° $\mathfrak{M}$ 47'13	
				greatest brilliancy	14218 Sep 29 12:41	14° $\mathfrak{M}$ 38'36	-4.9m
superior conj	14216 Apr 03 09:21	23° $\Upsilon$ 06'56	-0°17'41		14218 Oct 23 16:58	0° $\mathfrak{L}$	
minimum elong	14216 Apr 03 05:10	22° $\Upsilon$ 54'03	0°17'46	morning max el	14218 Nov 08 09:03	14° $\mathfrak{L}$ 21'19	46°24'45
	14216 Apr 08 22:54	0° $\mathfrak{B}$			14218 Nov 23 16:17	0° $\mathfrak{M}$	
	14216 May 03 03:51	0° $\mathfrak{I}$			14218 Dec 20 20:59	0° $\mathfrak{J}$	
evening rise	14216 May 11 23:45	10° $\mathfrak{I}$ 58'10		asc. node	14219 Jan 02 21:14	14° $\mathfrak{J}$ 57'35	
	14216 May 27 07:00	0° $\mathfrak{E}$			14219 Jan 15 17:49	0° $\mathfrak{Z}$	
	14216 Jun 20 09:22	0° $\mathfrak{Q}$			14219 Feb 09 22:12	0° $\approx$	
	14216 Jul 14 12:55	0° $\mathfrak{M}$			14219 Mar 06 17:05	0° $\mathfrak{H}$	
asc. node	14216 Jul 17 15:20	3° $\mathfrak{M}$ 50'27			14219 Mar 31 06:07	0° $\Upsilon$	
	14216 Aug 07 20:12	0° $\mathfrak{L}$		desc. node	14219 Apr 24 15:51	0° $\mathfrak{B}$ 03'12	
	14216 Sep 01 10:46	0° $\mathfrak{M}$			14219 Apr 24 14:49	0° $\mathfrak{B}$	
	14216 Sep 26 15:15	0° $\mathfrak{J}$		morning set	14219 May 07 11:22	15° $\mathfrak{B}$ 54'54	
	14216 Oct 23 00:43	0° $\mathfrak{Z}$			14219 May 18 19:38	0° $\mathfrak{I}$	
desc. node	14216 Nov 06 12:09	15° $\mathfrak{Z}$ 22'02			14219 Jun 11 21:03	0° $\mathfrak{E}$	
evening max el	14216 Nov 13 03:21	22° $\mathfrak{Z}$ 00'46	46°13'03	max. Earth dist.	14219 Jun 13 08:07	1° $\mathfrak{E}$ 49'35	1.71794 AU
	14216 Nov 21 14:20	0° $\approx$					
greatest brilliancy	14216 Dec 22 10:53	21° $\approx$ 02'11	-4.8m	superior conj	14219 Jun 16 04:20	5° $\mathfrak{E}$ 22'48	-1°26'57
retrograde	14217 Jan 01 14:13	22° $\approx$ 54'33		minimum elong	14219 Jun 16 01:50	5° $\mathfrak{E}$ 14'58	1°27'59
evening set	14217 Jan 19 01:16	17° $\approx$ 06'43			14219 Jul 05 20:14	0° $\mathfrak{Q}$	
inferior conj	14217 Jan 23 00:43	14° $\approx$ 39'38	-7°22'42	evening rise	14219 Jul 26 04:41	25° $\mathfrak{Q}$ 30'06	
minimum elong	14217 Jan 23 10:24	14° $\approx$ 24'30	7°20'15		14219 Jul 29 18:52	0° $\mathfrak{M}$	
min. Earth dist.	14217 Jan 23 05:46	14° $\approx$ 31'44	0.28808 AU	asc. node	14219 Aug 15 05:11	20° $\mathfrak{M}$ 33'39	
morning rise	14217 Jan 27 19:33	11° $\approx$ 44'20			14219 Aug 22 18:33	0° $\mathfrak{L}$	
direct	14217 Feb 13 09:18	6° $\approx$ 27'39			14219 Sep 15 20:52	0° $\mathfrak{M}$	
greatest brilliancy	14217 Feb 24 01:16	8° $\approx$ 32'43	-4.8m		14219 Oct 10 04:04	0° $\mathfrak{J}$	
asc. node	14217 Feb 27 14:38	10° $\approx$ 02'52			14219 Nov 03 19:56	0° $\mathfrak{Z}$	
	14217 Mar 26 22:18	0° $\mathfrak{H}$			14219 Nov 29 02:53	0° $\approx$	
morning max el	14217 Apr 03 15:56	7° $\mathfrak{H}$ 19'55	45°53'38	desc. node	14219 Dec 04 22:58	6° $\approx$ 46'23	
	14217 Apr 25 10:18	0° $\Upsilon$			14219 Dec 25 12:16	0° $\mathfrak{H}$	
	14217 May 21 22:38	0° $\mathfrak{B}$			14220 Jan 23 05:34	0° $\Upsilon$	
	14217 Jun 16 06:25	0° $\mathfrak{I}$		evening max el	14220 Jan 24 05:17	0° $\Upsilon$ 57'18	45°56'19
desc. node	14217 Jun 19 15:57	4° $\mathfrak{I}$ 05'35		greatest brilliancy	14220 Mar 03 05:45	29° $\Upsilon$ 25'21	-4.8m
	14217 Jul 10 22:51	0° $\mathfrak{E}$			14220 Mar 05 00:47	0° $\mathfrak{B}$	
	14217 Aug 04 06:29	0° $\mathfrak{Q}$		retrograde	14220 Mar 13 04:47	1° $\mathfrak{B}$ 14'23	
	14217 Aug 28 09:40	0° $\mathfrak{M}$			14220 Mar 21 01:52	30° $\mathfrak{R}$ $\Upsilon$	
	14217 Sep 21 11:10	0° $\mathfrak{L}$		asc. node	14220 Mar 26 23:41	27° $\Upsilon$ 30'55	
morning set	14217 Oct 05 05:25	17° $\mathfrak{L}$ 09'45		evening set	14220 Mar 28 00:52	26° $\Upsilon$ 57'32	
asc. node	14217 Oct 10 08:27	23° $\mathfrak{L}$ 33'18		inferior conj	14220 Apr 03 09:12	23° $\Upsilon$ 09'23	1°50'15
	14217 Oct 15 12:28	0° $\mathfrak{M}$		minimum elong	14220 Apr 03 05:06	23° $\Upsilon$ 15'49	1°48'41
	14217 Nov 08 14:16	0° $\mathfrak{J}$		min. Earth dist.	14220 Apr 03 12:07	23° $\Upsilon$ 04'49	0.28189 AU
				morning rise	14220 Apr 09 08:58	19° $\Upsilon$ 32'05	
superior conj	14217 Nov 12 18:32	5° $\mathfrak{J}$ 12'03	1°09'55	direct	14220 Apr 24 13:20	15° $\Upsilon$ 00'36	
minimum elong	14217 Nov 12 08:41	4° $\mathfrak{J}$ 41'26	1°10'32	greatest brilliancy	14220 May 05 01:48	17° $\Upsilon$ 03'17	-4.8m
max. Earth dist.	14217 Nov 15 00:22	7° $\mathfrak{J}$ 59'33	1.72358 AU		14220 May 25 22:28	0° $\mathfrak{B}$	
	14217 Dec 02 17:24	0° $\mathfrak{Z}$		morning max el	14220 Jun 13 11:35	16° $\mathfrak{B}$ 55'20	46°35'15
evening rise	14217 Dec 20 00:59	21° $\mathfrak{Z}$ 26'49			14220 Jun 26 03:03	0° $\mathfrak{I}$	
	14217 Dec 26 23:13	0° $\approx$		desc. node	14220 Jul 17 02:53	23° $\mathfrak{I}$ 17'53	
	14218 Jan 20 09:04	0° $\mathfrak{H}$			14220 Jul 22 22:36	0° $\mathfrak{E}$	
desc. node	14218 Jan 29 22:30	11° $\mathfrak{H}$ 41'04			14220 Aug 17 08:06	0° $\mathfrak{Q}$	
	14218 Feb 13 23:33	0° $\Upsilon$			14220 Sep 11 02:39	0° $\mathfrak{M}$	
	14218 Mar 10 18:40	0° $\mathfrak{B}$			14220 Oct 05 14:26	0° $\mathfrak{L}$	
	14218 Apr 04 19:07	0° $\mathfrak{I}$			14220 Oct 29 23:01	0° $\mathfrak{M}$	
	14218 Apr 30 04:52	0° $\mathfrak{E}$		asc. node	14220 Nov 06 22:32	9° $\mathfrak{M}$ 50'57	
asc. node	14218 May 22 17:01	25° $\mathfrak{E}$ 48'21			14220 Nov 23 05:48	0° $\mathfrak{J}$	
	14218 May 26 11:12	0° $\mathfrak{Q}$		morning set	14220 Dec 15 07:04	27° $\mathfrak{J}$ 17'23	
evening max el	14218 Jun 20 01:40	26° $\mathfrak{Q}$ 06'05	46°38'49		14220 Dec 17 11:36	0° $\mathfrak{Z}$	
	14218 Jun 24 00:57	0° $\mathfrak{M}$			14221 Jan 10 17:29	0° $\approx$	
greatest brilliancy	14218 Jul 30 01:44	26° $\mathfrak{M}$ 22'59	-4.9m				
retrograde	14218 Aug 09 03:37	28° $\mathfrak{M}$ 16'35		superior conj	14221 Jan 21 04:21	12° $\approx$ 55'08	1°13'34
evening set	14218 Aug 24 04:48	23° $\mathfrak{M}$ 49'55		minimum elong	14221 Jan 21 13:11	13° $\approx$ 22'27	1°14'11
inferior conj	14218 Aug 29 18:58	20° $\mathfrak{M}$ 32'05	3°20'15	max. Earth dist.	14221 Jan 22 13:14	14° $\approx$ 36'40	1.73077 AU
minimum elong	14218 Aug 30 02:22	20° $\mathfrak{M}$ 20'48	3°17'41		14221 Feb 04 00:31	0° $\mathfrak{H}$	
min. Earth dist.	14218 Aug 29 23:57	20° $\mathfrak{M}$ 24'30	0.26940 AU	desc. node	14221 Feb 26 12:40	27° $\mathfrak{H}$ 43'28	
morning rise	14218 Sep 05 00:05	16° $\mathfrak{M}$ 54'43		evening rise	14221 Feb 27 19:05	29° $\mathfrak{H}$ 17'02	






































































































































	14221 Feb 28 09:03	0°♄		morning max el	14223 Aug 25 11:54	29°♄05'19	46°57'09
	14221 Mar 24 18:37	0°♅			14223 Aug 26 09:36	0°♄	
	14221 Apr 18 04:36	0°♆			14223 Sep 23 04:59	0°♄	
	14221 May 12 15:21	0°♇			14223 Oct 19 04:27	0°♄	
	14221 Jun 06 05:05	0°♈			14223 Nov 13 10:34	0°♄	
asc. node	14221 Jun 19 04:26	15°♈42'42		asc. node	14223 Dec 05 11:30	26°♄33'50	
	14221 Jul 01 02:11	0°♄			14223 Dec 08 07:31	0°♄	
	14221 Jul 26 14:57	0°♄			14224 Jan 01 22:32	0°♄	
	14221 Aug 22 15:38	0°♄			14224 Jan 26 09:42	0°♄	
evening max el	14221 Aug 31 08:35	8°♄58'18	46°40'08		14224 Feb 19 18:44	0°♄	
	14221 Sep 23 21:48	0°♄		morning set	14224 Feb 23 04:04	4°♄10'30	
desc. node	14221 Oct 09 04:35	9°♄01'33			14224 Mar 15 02:38	0°♄	
greatest brilliancy	14221 Oct 09 17:58	9°♄14'46	-4.8m	desc. node	14224 Mar 26 03:20	13°♄37'00	
retrograde	14221 Oct 20 15:28	11°♄27'16		max. Earth dist.	14224 Mar 30 09:11	18°♄51'36	1.72869 AU
evening set	14221 Nov 05 22:41	6°♄21'00					
min. Earth dist.	14221 Nov 10 00:38	3°♄54'16	0.27988 AU	superior conj	14224 Apr 01 00:26	20°♄52'54	-0°14'13
inferior conj	14221 Nov 10 21:01	3°♄22'49	-7°09'46	minimum elong	14224 Mar 31 21:03	20°♄42'29	0°14'19
minimum elong	14221 Nov 10 10:39	3°♄38'49	7°06'56	behind sun begin	14224 Mar 31 10:13	20°♄08'59	
morning rise	14221 Nov 14 22:56	0°♄54'32		behind sun end	14224 Apr 01 07:54	21°♄15'59	
	14221 Nov 16 13:22	30°♄			14224 Apr 08 09:21	0°♄	
direct	14221 Dec 01 21:30	25°♄28'06			14224 May 02 14:22	0°♄	
greatest brilliancy	14221 Dec 11 11:05	27°♄07'38	-4.8m	evening rise	14224 May 09 14:04	8°♄40'41	
	14221 Dec 18 04:20	0°♄			14224 May 26 17:39	0°♄	
morning max el	14222 Jan 19 20:19	25°♄36'58	45°47'09		14224 Jun 19 20:13	0°♄	
	14222 Jan 24 07:41	0°♄			14224 Jul 14 00:06	0°♄	
asc. node	14222 Jan 30 07:21	6°♄03'36		asc. node	14224 Jul 16 17:08	3°♄21'15	
	14222 Feb 21 13:23	0°♄			14224 Aug 07 07:51	0°♄	
	14222 Mar 19 18:11	0°♄			14224 Aug 31 23:10	0°♄	
	14222 Apr 14 01:09	0°♄			14224 Sep 26 04:58	0°♄	
	14222 May 08 19:47	0°♄			14224 Oct 22 17:20	0°♄	
desc. node	14222 May 22 05:29	16°♄24'51		desc. node	14224 Nov 05 14:16	14°♄36'58	
	14222 Jun 02 06:06	0°♄		evening max el	14224 Nov 10 19:15	19°♄48'54	46°14'03
	14222 Jun 26 10:23	0°♄			14224 Nov 21 16:57	0°♄	
	14222 Jul 20 10:43	0°♄		greatest brilliancy	14224 Dec 20 01:54	18°♄50'40	-4.8m
morning set	14222 Jul 21 01:19	0°♄45'43		retrograde	14224 Dec 30 06:06	20°♄43'23	
	14222 Aug 13 09:11	0°♄		evening set	14225 Jan 16 19:54	14°♄51'27	
				inferior conj	14225 Jan 20 16:28	12°♄28'24	-7°33'53
superior conj	14222 Aug 29 19:34	20°♄36'17	-0°31'08	minimum elong	14225 Jan 21 01:50	12°♄13'44	7°31'33
minimum elong	14222 Aug 30 03:05	20°♄59'52	0°31'03	min. Earth dist.	14225 Jan 20 20:30	12°♄22'05	0.28812 AU
max. Earth dist.	14222 Aug 30 13:11	21°♄31'30	1.71541 AU	morning rise	14225 Jan 25 07:51	9°♄38'03	
	14222 Sep 06 07:30	0°♄		direct	14225 Feb 11 01:38	4°♄16'54	
asc. node	14222 Sep 11 19:43	6°♄53'54		greatest brilliancy	14225 Feb 21 15:32	6°♄20'09	-4.8m
	14222 Sep 30 06:55	0°♄		asc. node	14225 Feb 26 16:39	8°♄33'38	
evening rise	14222 Oct 08 03:14	9°♄47'47			14225 Mar 26 22:59	0°♄	
	14222 Oct 24 08:31	0°♄		morning max el	14225 Apr 01 07:17	5°♄07'10	45°52'33
	14222 Nov 17 13:55	0°♄			14225 Apr 25 02:25	0°♄	
	14222 Dec 12 01:33	0°♄			14225 May 21 12:03	0°♄	
desc. node	14223 Jan 01 11:01	24°♄39'02			14225 Jun 15 18:36	0°♄	
	14223 Jan 05 22:13	0°♄		desc. node	14225 Jun 18 17:50	3°♄34'49	
	14223 Jan 31 07:03	0°♄			14225 Jul 10 10:22	0°♄	
	14223 Feb 26 09:38	0°♄			14225 Aug 03 17:37	0°♄	
	14223 Mar 25 22:54	0°♄			14225 Aug 27 20:34	0°♄	
evening max el	14223 Apr 05 14:22	10°♄45'58	46°10'38		14225 Sep 20 21:56	0°♄	
asc. node	14223 Apr 24 09:02	27°♄39'13		morning set	14225 Oct 02 19:16	14°♄49'56	
	14223 Apr 27 09:34	0°♄		asc. node	14225 Oct 09 10:22	23°♄06'04	
greatest brilliancy	14223 May 15 13:54	10°♄24'46	-4.8m		14225 Oct 14 23:08	0°♄	
retrograde	14223 May 25 05:10	12°♄09'11			14225 Nov 08 00:50	0°♄	
evening set	14223 Jun 12 03:44	5°♄59'45					
inferior conj	14223 Jun 15 00:04	4°♄14'41	9°04'23	superior conj	14225 Nov 10 09:48	2°♄57'19	1°07'48
minimum elong	14223 Jun 14 21:00	4°♄19'27	9°03'12	minimum elong	14225 Nov 09 23:44	2°♄26'00	1°08'23
min. Earth dist.	14223 Jun 15 06:50	4°♄04'12	0.27681 AU	max. Earth dist.	14225 Nov 12 16:41	5°♄48'07	1.72324 AU
morning rise	14223 Jun 17 14:14	2°♄38'51			14225 Dec 02 03:56	0°♄	
	14223 Jun 22 05:31	30°♄		evening rise	14225 Dec 17 16:51	19°♄14'49	
direct	14223 Jul 05 22:39	26°♄13'09			14225 Dec 26 09:49	0°♄	
greatest brilliancy	14223 Jul 15 23:02	28°♄07'11	-4.9m		14226 Jan 19 19:51	0°♄	
	14223 Jul 20 08:39	0°♄		desc. node	14226 Jan 29 00:15	11°♄13'15	
desc. node	14223 Aug 14 12:28	18°♄31'07			14226 Feb 13 10:39	0°♄	

	14226 Mar 10 06:16	0°♄		asc. node	14228 Nov 06 00:23	9°♎22'36	
	14226 Apr 04 07:32	0°♈			14228 Nov 22 16:40	0°♄	
	14226 Apr 29 18:39	0°♊		morning set	14228 Dec 12 23:19	25°♄05'53	
asc. node	14226 May 21 19:02	25°♊09'07			14228 Dec 16 22:20	0°♄	
	14226 May 26 03:49	0°♈			14229 Jan 10 04:10	0°♊	
evening max el	14226 Jun 17 14:49	23°♈43'02	46°38'07				
	14226 Jun 24 01:53	0°♈		superior conj	14229 Jan 18 21:07	10°♊45'44	1°15'15
greatest brilliancy	14226 Jul 27 16:40	24°♈01'20	-4.9m	minimum elong	14229 Jan 19 05:36	11°♊11'57	1°15'56
retrograde	14226 Aug 06 16:12	25°♈52'53		max. Earth dist.	14229 Jan 20 06:24	12°♊28'34	1.73069 AU
evening set	14226 Aug 21 20:26	21°♈23'06			14229 Feb 03 11:13	0°♈	
inferior conj	14226 Aug 27 07:56	18°♈08'49	3°42'39	evening rise	14229 Feb 25 11:02	27°♈05'19	
minimum elong	14226 Aug 27 16:02	17°♈56'27	3°39'54	desc. node	14229 Feb 25 14:32	27°♈16'06	
min. Earth dist.	14226 Aug 27 14:17	17°♈59'07	0.26942 AU		14229 Feb 27 19:50	0°♈	
morning rise	14226 Sep 02 11:40	14°♈32'45			14229 Mar 24 05:36	0°♄	
desc. node	14226 Sep 10 21:31	11°♈09'46			14229 Apr 17 15:51	0°♈	
direct	14226 Sep 17 01:53	10°♈23'39			14229 May 12 03:02	0°♊	
greatest brilliancy	14226 Sep 27 02:27	12°♈15'36	-4.9m		14229 Jun 05 17:24	0°♈	
	14226 Oct 24 00:41	0°♈		asc. node	14229 Jun 18 06:14	15°♈09'37	
morning max el	14226 Nov 05 21:37	11°♈58'13	46°26'12		14229 Jun 30 15:32	0°♈	
	14226 Nov 23 10:23	0°♈			14229 Jul 26 06:13	0°♈	
	14226 Dec 20 11:20	0°♄			14229 Aug 22 11:30	0°♈	
asc. node	14227 Jan 01 23:03	14°♄23'58		evening max el	14229 Aug 28 22:52	6°♈37'46	46°40'50
	14227 Jan 15 06:27	0°♄			14229 Sep 24 17:55	0°♄	
	14227 Feb 09 09:55	0°♊		greatest brilliancy	14229 Oct 07 08:04	6°♄55'26	-4.8m
	14227 Mar 06 04:17	0°♈		desc. node	14229 Oct 08 06:41	7°♄16'34	
	14227 Mar 30 17:02	0°♈		retrograde	14229 Oct 18 06:41	9°♄09'13	
desc. node	14227 Apr 23 17:43	29°♈35'44		evening set	14229 Nov 03 09:32	4°♄08'03	
	14227 Apr 24 01:35	0°♄		min. Earth dist.	14229 Nov 07 14:35	1°♄37'14	0.27934 AU
morning set	14227 May 05 00:31	13°♄33'35		inferior conj	14229 Nov 08 11:21	1°♄05'17	-6°56'18
	14227 May 18 06:20	0°♈		minimum elong	14229 Nov 08 00:46	1°♄21'35	6°53'21
max. Earth dist.	14227 Jun 10 16:39	29°♈12'46	1.71828 AU		14229 Nov 10 05:55	30°♈	
	14227 Jun 11 07:46	0°♊		morning rise	14229 Nov 12 16:22	28°♈32'57	
				direct	14229 Nov 29 11:25	23°♈11'10	
superior conj	14227 Jun 13 16:56	2°♊58'40	-1°26'27	greatest brilliancy	14229 Dec 09 00:39	24°♈50'47	-4.8m
minimum elong	14227 Jun 13 13:27	2°♊47'45	1°27'29		14229 Dec 19 19:33	0°♄	
	14227 Jul 05 07:00	0°♈		morning max el	14230 Jan 17 11:21	23°♄22'49	45°47'51
evening rise	14227 Jul 23 16:19	23°♈02'19			14230 Jan 24 04:21	0°♄	
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asc. node	14227 Aug 14 07:00	20°♈05'21			14230 Feb 21 04:34	0°♊	
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desc. node	14227 Dec 04 00:47	6°♊12'27			14230 Jun 25 21:29	0°♊	
	14227 Dec 25 03:55	0°♈		morning set	14230 Jul 18 13:10	28°♊18'06	
evening max el	14228 Jan 21 19:11	28°♈41'12	45°56'26		14230 Jul 19 21:43	0°♈	
	14228 Jan 23 04:05	0°♈			14230 Aug 12 20:07	0°♈	
greatest brilliancy	14228 Feb 29 21:01	27°♈11'28	-4.8m				
retrograde	14228 Mar 10 19:33	29°♈00'25		superior conj	14230 Aug 27 07:43	18°♈09'38	-0°34'41
evening set	14228 Mar 25 15:57	24°♈43'01		minimum elong	14230 Aug 27 15:59	18°♈35'35	0°34'38
asc. node	14228 Mar 26 01:45	24°♈29'35		max. Earth dist.	14230 Aug 28 00:47	19°♈03'08	1.71530 AU
inferior conj	14228 Apr 01 00:28	20°♈55'00	1°28'50		14230 Sep 05 18:26	0°♈	
minimum elong	14228 Mar 31 21:08	21°♈00'13	1°27'32	asc. node	14230 Sep 10 21:38	6°♈25'43	
min. Earth dist.	14228 Apr 01 04:05	20°♈49'20	0.28210 AU		14230 Sep 29 17:52	0°♈	
morning rise	14228 Apr 07 01:53	17°♈15'27		evening rise	14230 Oct 05 17:28	7°♈28'18	
direct	14228 Apr 22 04:14	12°♈45'44			14230 Oct 23 19:31	0°♄	
greatest brilliancy	14228 May 02 18:37	14°♈50'01	-4.8m		14230 Nov 17 01:04	0°♄	
	14228 May 26 07:11	0°♄			14230 Dec 11 12:59	0°♊	
morning max el	14228 Jun 11 02:07	14°♄37'24	46°33'51	desc. node	14230 Dec 31 12:51	24°♊08'56	
	14228 Jun 25 21:09	0°♈			14231 Jan 05 10:13	0°♈	
desc. node	14228 Jul 16 04:45	22°♈39'59			14231 Jan 30 20:05	0°♈	
	14228 Jul 22 13:07	0°♊			14231 Feb 26 00:40	0°♄	
	14228 Aug 16 21:03	0°♈			14231 Mar 25 18:38	0°♈	
	14228 Sep 10 14:45	0°♈		evening max el	14231 Apr 03 05:36	8°♈29'50	46°09'41
	14228 Oct 05 01:57	0°♈		asc. node	14231 Apr 23 11:01	26°♈29'45	
	14228 Oct 29 10:09	0°♈			14231 Apr 28 04:43	0°♊	

greatest brilliancy	14231 May 13 02:30	8°☿02'34	-4.8m		14233 Oct 14 10:01	0°♊	
retrograde	14231 May 22 19:10	9°☿47'35			14233 Nov 07 11:38	0°♊	
evening set	14231 Jun 09 14:33	3°☿42'23					
inferior conj	14231 Jun 12 13:51	1°☿52'37	9°00'30	superior conj	14233 Nov 08 00:59	0°♊41'34	1°05'35
minimum elong	14231 Jun 12 09:53	1°☿58'47	8°59'14	minimum elong	14233 Nov 07 14:45	0°♊09'42	1°06'07
min. Earth dist.	14231 Jun 12 19:30	1°☿43'50	0.27703 AU	max. Earth dist.	14233 Nov 10 07:18	3°♊30'36	1.72290 AU
morning rise	14231 Jun 15 05:12	0°☿14'50			14233 Dec 01 14:43	0°♊	
	14231 Jun 15 14:59	30°♊		evening rise	14233 Dec 15 08:45	17°♊02'03	
direct	14231 Jul 03 13:10	23°♊51'00			14233 Dec 25 20:41	0°♊	
greatest brilliancy	14231 Jul 13 12:03	25°♊43'46	-4.9m		14234 Jan 19 06:54	0°♊	
	14231 Jul 22 07:26	0°☿		desc. node	14234 Jan 28 02:10	10°♊45'12	
desc. node	14231 Aug 13 14:32	17°☿31'47			14234 Feb 12 22:00	0°♊	
morning max el	14231 Aug 23 02:21	26°☿44'13	46°57'11		14234 Mar 09 18:06	0°♊	
	14231 Aug 26 07:28	0°♊			14234 Apr 03 20:12	0°♊	
	14231 Sep 22 21:02	0°♊			14234 Apr 29 08:48	0°☿	
	14231 Oct 18 18:14	0°♊		asc. node	14234 May 20 20:50	24°☿28'05	
	14231 Nov 12 23:08	0°♊			14234 May 25 21:04	0°♊	
asc. node	14231 Dec 04 13:16	26°♊03'10		evening max el	14234 Jun 15 03:00	21°♊16'37	46°37'13
	14231 Dec 07 19:19	0°♊			14234 Jun 24 04:43	0°♊	
	14232 Jan 01 09:50	0°♊		greatest brilliancy	14234 Jul 25 07:25	21°♊37'46	-4.9m
	14232 Jan 25 20:41	0°♊		retrograde	14234 Aug 04 04:25	23°♊27'27	
	14232 Feb 19 05:33	0°♊		evening set	14234 Aug 19 11:54	18°♊53'58	
morning set	14232 Feb 20 20:58	2°♊01'22		inferior conj	14234 Aug 24 20:38	15°♊43'44	4°04'49
	14232 Mar 14 13:26	0°♊		minimum elong	14234 Aug 25 05:21	15°♊30'24	4°01'54
desc. node	14232 Mar 25 05:12	13°♊09'25		min. Earth dist.	14234 Aug 25 04:30	15°♊31'42	0.26948 AU
max. Earth dist.	14232 Mar 28 02:36	16°♊43'43	1.72896 AU	morning rise	14234 Aug 30 22:43	12°♊09'28	
				desc. node	14234 Sep 09 23:33	8°♊23'32	
superior conj	14232 Mar 29 15:30	18°♊37'43	-0°10'44	direct	14234 Sep 14 13:53	7°♊58'01	
minimum elong	14232 Mar 29 12:57	18°♊29'50	0°10'51	greatest brilliancy	14234 Sep 24 16:16	9°♊51'17	-4.9m
behind sun begin	14232 Mar 28 19:08	17°♊34'46			14234 Oct 24 06:31	0°♊	
behind sun end	14232 Mar 30 06:46	19°♊24'54		morning max el	14234 Nov 03 10:20	9°♊34'37	46°27'52
	14232 Apr 07 20:12	0°♊			14234 Nov 23 04:15	0°♊	
	14232 May 02 01:20	0°♊			14234 Dec 20 01:37	0°♊	
evening rise	14232 May 07 04:06	6°♊21'04		asc. node	14235 Jan 01 01:02	13°♊50'40	
	14232 May 26 04:44	0°☿			14235 Jan 14 19:06	0°♊	
	14232 Jun 19 07:32	0°♊			14235 Feb 08 21:42	0°♊	
	14232 Jul 13 11:42	0°♊			14235 Mar 05 15:34	0°♊	
asc. node	14232 Jul 15 18:59	2°♊51'00			14235 Mar 30 04:00	0°♊	
	14232 Aug 06 19:56	0°♊		desc. node	14235 Apr 22 19:31	29°♊07'52	
	14232 Aug 31 11:59	0°♊			14235 Apr 23 12:24	0°♊	
	14232 Sep 25 19:10	0°♊		morning set	14235 May 02 13:59	11°♊13'10	
	14232 Oct 22 10:42	0°♊			14235 May 17 17:05	0°♊	
desc. node	14232 Nov 04 16:08	13°♊49'27		max. Earth dist.	14235 Jun 08 04:40	26°♊46'46	1.71866 AU
evening max el	14232 Nov 08 10:34	17°♊34'21	46°14'58		14235 Jun 10 18:32	0°☿	
	14232 Nov 21 21:49	0°♊					
greatest brilliancy	14232 Dec 17 17:32	16°♊38'40	-4.8m	superior conj	14235 Jun 11 05:39	0°☿34'44	-1°25'48
retrograde	14232 Dec 27 21:32	18°♊31'05		minimum elong	14235 Jun 11 01:13	0°☿20'52	1°26'49
evening set	14233 Jan 14 14:25	12°♊35'23			14235 Jul 04 17:50	0°♊	
inferior conj	14233 Jan 18 08:13	10°♊16'16	-7°44'22	evening rise	14235 Jul 21 03:51	20°♊34'03	
minimum elong	14233 Jan 18 17:11	10°♊02'11	7°42'11		14235 Jul 28 16:38	0°♊	
min. Earth dist.	14233 Jan 18 11:28	10°♊11'09	0.28812 AU	asc. node	14235 Aug 13 08:56	19°♊36'58	
morning rise	14233 Jan 22 20:02	7°♊30'53			14235 Aug 21 16:32	0°♊	
direct	14233 Feb 08 17:24	2°♊05'16			14235 Sep 14 19:14	0°♊	
greatest brilliancy	14233 Feb 19 05:57	4°♊06'51	-4.8m		14235 Oct 09 03:06	0°♊	
asc. node	14233 Feb 25 18:40	7°♊06'28			14235 Nov 02 20:13	0°♊	
	14233 Mar 26 22:50	0°♊			14235 Nov 28 05:29	0°♊	
morning max el	14233 Mar 29 21:41	2°♊51'14	45°51'31	desc. node	14235 Dec 03 02:42	5°♊38'28	
	14233 Apr 24 18:33	0°♊			14235 Dec 24 19:49	0°♊	
	14233 May 21 01:41	0°♊		evening max el	14236 Jan 19 09:47	26°♊27'01	45°56'39
	14233 Jun 15 07:05	0°♊			14236 Jan 23 03:32	0°♊	
desc. node	14233 Jun 17 19:39	3°♊02'50		greatest brilliancy	14236 Feb 27 11:49	24°♊57'24	-4.8m
	14233 Jul 09 22:14	0°☿		retrograde	14236 Mar 08 10:52	26°♊46'53	
	14233 Aug 03 05:06	0°♊		evening set	14236 Mar 23 07:17	22°♊28'38	
	14233 Aug 27 07:48	0°♊		asc. node	14236 Mar 25 03:44	21°♊25'58	
	14233 Sep 20 08:58	0°♊		inferior conj	14236 Mar 29 15:45	18°♊40'55	1°07'21
morning set	14233 Sep 30 08:52	12°♊28'30		minimum elong	14236 Mar 29 13:13	18°♊44'53	1°06'19
asc. node	14233 Oct 08 12:09	22°♊37'34		min. Earth dist.	14236 Mar 29 19:49	18°♊34'34	0.28232 AU

morning rise	14236 Apr 04 18:43	14° $\Upsilon$ 59'32		evening rise	14238 Oct 03 07:49	5° $\mathbb{M}$ 10'22	
direct	14236 Apr 19 19:35	10° $\Upsilon$ 31'17			14238 Oct 23 06:09	0° $\mathcal{X}$	
greatest brilliancy	14236 Apr 30 11:03	12° $\Upsilon$ 36'49	-4.8m		14238 Nov 16 11:51	0° $\mathcal{Z}$	
	14236 May 26 13:14	0° $\mathcal{B}$			14238 Dec 11 00:05	0° $\approx$	
morning max el	14236 Jun 08 17:38	12° $\mathcal{B}$ 22'34	46°32'29	desc. node	14238 Dec 30 14:46	23° $\approx$ 40'05	
	14236 Jun 25 14:39	0° $\mathbb{I}$			14239 Jan 04 21:54	0° $\mathcal{H}$	
desc. node	14236 Jul 15 06:50	22° $\mathbb{I}$ 03'31			14239 Jan 30 08:50	0° $\Upsilon$	
	14236 Jul 22 03:18	0° $\mathcal{G}$			14239 Feb 25 15:28	0° $\mathcal{B}$	
	14236 Aug 16 09:48	0° $\mathcal{Q}$			14239 Mar 25 14:28	0° $\mathbb{I}$	
	14236 Sep 10 02:42	0° $\mathbb{M}$		evening max el	14239 Mar 31 20:31	6° $\mathbb{I}$ 14'19	46°08'44
	14236 Oct 04 13:23	0° $\mathcal{L}$		asc. node	14239 Apr 22 12:55	25° $\mathbb{I}$ 19'35	
	14236 Oct 28 21:12	0° $\mathbb{M}$			14239 Apr 29 05:52	0° $\mathcal{G}$	
asc. node	14236 Nov 05 02:11	8° $\mathbb{M}$ 54'17		greatest brilliancy	14239 May 10 15:48	5° $\mathcal{G}$ 42'45	-4.8m
	14236 Nov 22 03:27	0° $\mathcal{X}$		retrograde	14239 May 20 08:43	7° $\mathcal{G}$ 27'34	
morning set	14236 Dec 10 15:20	22° $\mathcal{X}$ 53'54		evening set	14239 Jun 07 01:11	1° $\mathcal{G}$ 27'22	
	14236 Dec 16 08:56	0° $\mathcal{Z}$			14239 Jun 09 10:02	30° $\mathcal{R}$ $\mathbb{I}$	
	14237 Jan 09 14:41	0° $\approx$		inferior conj	14239 Jun 10 03:45	29° $\mathbb{I}$ 32'24	8°55'48
				minimum elong	14239 Jun 09 22:56	29° $\mathbb{I}$ 39'54	8°54'25
superior conj	14237 Jan 16 13:44	8° $\approx$ 36'22	1°16'51	min. Earth dist.	14239 Jun 10 08:42	29° $\mathbb{I}$ 24'41	0.27724 AU
minimum elong	14237 Jan 16 21:49	9° $\approx$ 01'20	1°17'33	morning rise	14239 Jun 12 20:39	27° $\mathbb{I}$ 51'59	
max. Earth dist.	14237 Jan 18 01:41	10° $\approx$ 27'27	1.73056 AU	direct	14239 Jul 01 03:28	21° $\mathbb{I}$ 30'35	
	14237 Feb 02 21:43	0° $\mathcal{H}$		greatest brilliancy	14239 Jul 11 01:47	23° $\mathbb{I}$ 22'34	-4.9m
evening rise	14237 Feb 23 03:01	24° $\mathcal{H}$ 54'18			14239 Jul 23 14:12	0° $\mathcal{G}$	
desc. node	14237 Feb 24 16:23	26° $\mathcal{H}$ 49'13		desc. node	14239 Aug 12 16:28	16° $\mathcal{G}$ 34'52	
	14237 Feb 27 06:27	0° $\Upsilon$		morning max el	14239 Aug 20 16:01	24° $\mathcal{G}$ 22'32	46°57'20
	14237 Mar 23 16:24	0° $\mathcal{B}$			14239 Aug 26 03:59	0° $\mathcal{Q}$	
	14237 Apr 17 02:57	0° $\mathbb{I}$			14239 Sep 22 12:17	0° $\mathbb{M}$	
	14237 May 11 14:33	0° $\mathcal{G}$			14239 Oct 18 07:21	0° $\mathcal{L}$	
	14237 Jun 05 05:31	0° $\mathcal{Q}$			14239 Nov 12 11:07	0° $\mathbb{M}$	
asc. node	14237 Jun 17 08:13	14° $\mathcal{Q}$ 37'47		asc. node	14239 Dec 03 15:13	25° $\mathbb{M}$ 34'40	
	14237 Jun 30 04:41	0° $\mathbb{M}$			14239 Dec 07 06:36	0° $\mathcal{X}$	
	14237 Jul 25 21:23	0° $\mathcal{L}$			14239 Dec 31 20:41	0° $\mathcal{Z}$	
	14237 Aug 22 07:42	0° $\mathbb{M}$			14240 Jan 25 07:14	0° $\approx$	
evening max el	14237 Aug 26 13:59	4° $\mathbb{M}$ 20'07	46°41'18	morning set	14240 Feb 18 13:43	29° $\approx$ 53'05	
	14237 Sep 25 21:14	0° $\mathcal{X}$			14240 Feb 18 15:58	0° $\mathcal{H}$	
greatest brilliancy	14237 Oct 04 21:56	4° $\mathcal{X}$ 36'05	-4.8m		14240 Mar 13 23:48	0° $\Upsilon$	
desc. node	14237 Oct 07 08:34	5° $\mathcal{X}$ 27'34		desc. node	14240 Mar 24 06:53	12° $\Upsilon$ 42'39	
retrograde	14237 Oct 15 22:00	6° $\mathcal{X}$ 50'54		max. Earth dist.	14240 Mar 25 18:42	14° $\Upsilon$ 33'14	1.72920 AU
evening set	14237 Oct 31 20:20	1° $\mathcal{X}$ 54'57					
	14237 Nov 04 02:14	30° $\mathcal{R}$ $\mathbb{M}$		superior conj	14240 Mar 27 06:34	16° $\Upsilon$ 23'59	-0°07'16
min. Earth dist.	14237 Nov 05 04:19	29° $\mathbb{M}$ 20'06	0.27880 AU	minimum elong	14240 Mar 27 04:50	16° $\Upsilon$ 18'37	0°07'21
inferior conj	14237 Nov 06 01:28	28° $\mathbb{M}$ 47'35	-6°42'01	behind sun begin	14240 Mar 26 07:23	15° $\Upsilon$ 12'24	
minimum elong	14237 Nov 05 14:46	29° $\mathbb{M}$ 04'04	6°38'56	behind sun end	14240 Mar 28 02:16	17° $\Upsilon$ 24'51	
morning rise	14237 Nov 10 09:39	26° $\mathbb{M}$ 11'05			14240 Apr 07 06:36	0° $\mathcal{B}$	
direct	14237 Nov 27 01:36	20° $\mathbb{M}$ 54'16			14240 May 01 11:49	0° $\mathbb{I}$	
greatest brilliancy	14237 Dec 06 13:39	22° $\mathbb{M}$ 33'23	-4.8m	evening rise	14240 May 04 18:13	4° $\mathbb{I}$ 03'14	
	14237 Dec 20 22:40	0° $\mathcal{X}$			14240 May 25 15:24	0° $\mathcal{G}$	
morning max el	14238 Jan 15 02:28	21° $\mathcal{X}$ 09'29	45°48'37		14240 Jun 18 18:25	0° $\mathcal{Q}$	
	14238 Jan 24 00:04	0° $\mathcal{Z}$			14240 Jul 12 22:55	0° $\mathbb{M}$	
asc. node	14238 Jan 28 11:25	4° $\mathcal{Z}$ 37'00		asc. node	14240 Jul 14 20:55	2° $\mathbb{M}$ 22'12	
	14238 Feb 20 19:14	0° $\approx$			14240 Aug 06 07:36	0° $\mathcal{L}$	
	14238 Mar 18 19:59	0° $\mathcal{H}$			14240 Aug 31 00:24	0° $\mathbb{M}$	
	14238 Apr 13 00:58	0° $\Upsilon$			14240 Sep 25 08:59	0° $\mathcal{X}$	
	14238 May 07 18:33	0° $\mathcal{B}$			14240 Oct 22 03:49	0° $\mathcal{Z}$	
desc. node	14238 May 20 09:06	15° $\mathcal{B}$ 27'04		desc. node	14240 Nov 03 18:04	13° $\mathcal{Z}$ 03'06	
	14238 Jun 01 04:17	0° $\mathbb{I}$		evening max el	14240 Nov 06 01:01	15° $\mathcal{Z}$ 19'12	46°15'51
	14238 Jun 25 08:14	0° $\mathcal{G}$			14240 Nov 22 03:58	0° $\approx$	
morning set	14238 Jul 16 01:22	25° $\mathcal{G}$ 52'51		greatest brilliancy	14240 Dec 15 09:29	14° $\approx$ 28'35	-4.8m
	14238 Jul 19 08:20	0° $\mathcal{Q}$		retrograde	14240 Dec 25 12:44	16° $\approx$ 20'39	
	14238 Aug 12 06:39	0° $\mathbb{M}$		evening set	14241 Jan 12 08:56	10° $\approx$ 21'07	
				inferior conj	14241 Jan 16 00:06	8° $\approx$ 05'57	-7°54'11
superior conj	14238 Aug 24 20:11	15° $\mathbb{M}$ 45'14	-0°38'09	minimum elong	14241 Jan 16 08:37	7° $\approx$ 52'34	7°52'07
minimum elong	14238 Aug 25 05:09	16° $\mathbb{M}$ 13'20	0°38'06	min. Earth dist.	14241 Jan 16 02:53	8° $\approx$ 01'35	0.28815 AU
max. Earth dist.	14238 Aug 25 14:02	16° $\mathbb{M}$ 41'11	1.71517 AU	morning rise	14241 Jan 20 08:21	5° $\approx$ 25'33	
	14238 Sep 05 04:57	0° $\mathcal{L}$			14241 Feb 04 08:22	30° $\mathcal{R}$ $\mathcal{Z}$	
asc. node	14238 Sep 09 23:24	5° $\mathcal{L}$ 58'20		direct	14241 Feb 06 08:52	29° $\mathcal{Z}$ 55'11	
	14238 Sep 29 04:25	0° $\mathbb{M}$			14241 Feb 08 09:50	0° $\approx$	

greatest brilliancy	14241 Feb 16 21:08	1°  55'53	-4.8m		14243 Oct 08 14:35	0° 	
asc. node	14241 Feb 24 20:36	5°  43'24			14243 Nov 02 08:20	0° 	
	14241 Mar 26 21:08	0° 			14243 Nov 27 18:49	0° 	
morning max el	14241 Mar 27 11:59	0°  36'12	45°50'34	desc. node	14243 Dec 02 04:43	5°  05'06	
	14241 Apr 24 09:58	0° 			14243 Dec 24 11:47	0° 	
	14241 May 20 14:46	0° 		evening max el	14244 Jan 17 01:15	24°  15'43	45°56'57
	14241 Jun 14 19:03	0° 			14244 Jan 23 03:51	0° 	
desc. node	14241 Jun 16 21:41	2°  11'32'59		greatest brilliancy	14244 Feb 25 02:12	22°  14'45	-4.8m
	14241 Jul 09 09:36	0° 		retrograde	14244 Mar 06 02:28	24°  13'40	
	14241 Aug 02 16:08	0° 		evening set	14244 Mar 20 22:54	20°  14'50	
	14241 Aug 26 18:36	0° 		asc. node	14244 Mar 24 05:39	18°  14'58	
	14241 Sep 19 19:37	0° 		inferior conj	14244 Mar 27 07:04	16°  17'24	0°45'45
morning set	14241 Sep 27 22:33	10°  08'25		minimum elong	14244 Mar 27 05:21	16°  17'06	0°45'01
asc. node	14241 Oct 07 13:56	22°  09'21		min. Earth dist.	14244 Mar 27 11:17	16°  17'49	0.28256 AU
	14241 Oct 13 20:30	0° 		morning rise	14244 Apr 02 11:26	12°  17'25	
				direct	14244 Apr 17 11:28	8°  17'30	
superior conj	14241 Nov 05 16:22	28°  11'27'44	1°03'16	greatest brilliancy	14244 Apr 28 03:01	10°  17'33	-4.8m
minimum elong	14241 Nov 05 06:01	27°  11'55'28	1°03'44		14244 May 26 17:13	0° 	
	14241 Nov 06 22:01	0° 		morning max el	14244 Jun 06 09:51	10°  18'39	46°30'54
max. Earth dist.	14241 Nov 07 20:24	1°  09'43	1.72254 AU		14244 Jun 25 07:47	0° 	
	14241 Dec 01 01:05	0° 		desc. node	14244 Jul 14 08:43	21°  12'43	
evening rise	14241 Dec 13 00:57	14°  05'13'36			14244 Jul 21 17:22	0° 	
	14241 Dec 25 07:08	0° 			14244 Aug 15 22:28	0° 	
	14242 Jan 18 17:32	0° 			14244 Sep 09 14:34	0° 	
desc. node	14242 Jan 27 04:02	10°  18'09			14244 Oct 04 00:45	0° 	
	14242 Feb 12 08:59	0° 			14244 Oct 28 08:13	0° 	
	14242 Mar 09 05:38	0° 		asc. node	14244 Nov 04 04:05	8°  11'26'18	
	14242 Apr 03 08:36	0° 			14244 Nov 21 14:14	0° 	
	14242 Apr 28 22:46	0° 		morning set	14244 Dec 08 07:14	20°  14'29	
asc. node	14242 May 19 22:53	23°  04'48'22			14244 Dec 15 19:34	0° 	
	14242 May 25 14:20	0° 			14245 Jan 09 01:13	0° 	
evening max el	14242 Jun 12 15:01	18°  05'11'00	46°36'27				
	14242 Jun 24 08:45	0° 		superior conj	14245 Jan 14 06:23	6°  05'26'54	1°18'19
greatest brilliancy	14242 Jul 22 21:40	19°  05'14'46	-4.9m	minimum elong	14245 Jan 14 13:59	6°  05'50'25	1°19'04
retrograde	14242 Aug 01 16:58	21°  05'03'25		max. Earth dist.	14245 Jan 15 22:02	8°  05'29'26	1.73039 AU
evening set	14242 Aug 17 03:30	16°  05'25'33			14245 Feb 02 08:15	0° 	
inferior conj	14242 Aug 22 09:20	13°  05'19'37	4°26'34	evening rise	14245 Feb 20 19:06	22°  18'43'31	
minimum elong	14242 Aug 22 18:38	13°  05'05'25	4°23'29	desc. node	14245 Feb 23 18:07	26°  18'21'52	
min. Earth dist.	14242 Aug 22 18:34	13°  05'05'31	0.26959 AU		14245 Feb 26 17:05	0° 	
morning rise	14242 Aug 28 09:36	9°  05'14'45			14245 Mar 23 03:14	0° 	
desc. node	14242 Sep 09 01:30	5°  05'14'11			14245 Apr 16 14:07	0° 	
direct	14242 Sep 12 02:06	5°  05'13'07			14245 May 11 02:10	0° 	
greatest brilliancy	14242 Sep 22 06:06	7°  05'27'53	-4.9m		14245 Jun 04 17:49	0° 	
	14242 Oct 24 10:04	0° 		asc. node	14245 Jun 16 10:07	14°  05'03	
morning max el	14242 Nov 01 00:13	7°  05'14'35	46°29'37		14245 Jun 29 18:07	0° 	
	14242 Nov 22 21:22	0° 			14245 Jul 25 13:00	0° 	
	14242 Dec 19 15:26	0° 			14245 Aug 22 04:51	0° 	
asc. node	14242 Dec 31 03:01	13°  05'18'35		evening max el	14245 Aug 24 05:36	2°  05'03'07	46°41'50
	14243 Jan 14 07:20	0° 			14245 Sep 27 13:04	0° 	
	14243 Feb 08 09:06	0° 		greatest brilliancy	14245 Oct 02 12:05	2°  05'16'24	-4.8m
	14243 Mar 05 02:30	0° 		desc. node	14245 Oct 06 10:32	3°  05'33'43	
	14243 Mar 29 14:42	0° 		retrograde	14245 Oct 13 13:01	4°  05'31'31	
desc. node	14243 Apr 21 21:22	28°  05'40'52			14245 Oct 28 17:29	30°  05'41'11	
	14243 Apr 22 22:59	0° 		evening set	14245 Oct 29 07:12	29°  05'40'54	
morning set	14243 Apr 30 03:29	8°  05'53'33		min. Earth dist.	14245 Nov 02 18:03	27°  05'01'54	0.27823 AU
	14243 May 17 03:38	0° 		inferior conj	14245 Nov 03 15:28	26°  05'28'59	-6°26'56
max. Earth dist.	14243 Jun 05 18:02	24°  05'25'36	1.71902 AU	minimum elong	14245 Nov 03 04:43	26°  05'45'31	6°23'46
				morning rise	14245 Nov 08 02:47	23°  05'48'09	
superior conj	14243 Jun 08 18:13	28°  05'11'02	-1°24'59	direct	14245 Nov 24 15:48	18°  05'36'35	
minimum elong	14243 Jun 08 12:52	27°  05'11'54'19	1°25'58	greatest brilliancy	14245 Dec 04 02:23	20°  05'14'43	-4.8m
	14243 Jun 10 05:06	0° 			14245 Dec 21 18:45	0° 	
	14243 Jul 04 04:28	0° 		morning max el	14246 Jan 12 17:02	18°  05'54'14	45°49'24
evening rise	14243 Jul 18 15:23	18°  05'06'30			14246 Jan 23 19:24	0° 	
	14243 Jul 28 03:21	0° 		asc. node	14246 Jan 27 13:15	3°  05'53'51	
asc. node	14243 Aug 12 10:40	19°  05'08'39			14246 Feb 20 09:53	0° 	
	14243 Aug 21 03:23	0° 			14246 Mar 18 08:45	0° 	
	14243 Sep 14 06:20	0° 			14246 Apr 12 12:48	0° 	

	14246 May 07 05:54	0°♄		14248 Oct 21 21:58	0°♄
desc. node	14246 May 19 11:05	14°♄58'46	desc. node	14248 Nov 02 20:09	12°♄14'35
	14246 May 31 15:23	0°♄	evening max el	14248 Nov 03 14:49	13°♄00'39 46°16'51
	14246 Jun 24 19:11	0°♄		14248 Nov 22 13:34	0°♄
morning set	14246 Jul 13 13:17	23°♄25'54	greatest brilliancy	14248 Dec 13 01:01	12°♄16'02 -4.8m
	14246 Jul 18 19:13	0°♄	retrograde	14248 Dec 23 03:52	14°♄08'21
	14246 Aug 11 17:30	0°♄	evening set	14249 Jan 10 03:10	8°♄04'51
			inferior conj	14249 Jan 13 15:50	5°♄53'39 -8°03'14
superior conj	14246 Aug 22 08:13	13°♄18'28 -0°41'35	minimum elong	14249 Jan 13 23:51	5°♄41'03 8°01'18
minimum elong	14246 Aug 22 17:47	13°♄48'30 0°41'33	min. Earth dist.	14249 Jan 13 18:12	5°♄49'55 0.28816 AU
max. Earth dist.	14246 Aug 23 01:03	14°♄11'15 1.71504 AU	morning rise	14249 Jan 17 20:33	3°♄18'26
	14246 Sep 04 15:47	0°♄		14249 Jan 24 06:29	30°♄♄
asc. node	14246 Sep 09 01:11	5°♄30'02	direct	14249 Feb 03 23:56	27°♄42'57
	14246 Sep 28 15:16	0°♄	greatest brilliancy	14249 Feb 14 12:35	29°♄43'32 -4.7m
evening rise	14246 Sep 30 21:35	2°♄49'36		14249 Feb 15 06:06	0°♄
	14246 Oct 22 17:04	0°♄	asc. node	14249 Feb 23 22:37	4°♄21'24
	14246 Nov 15 22:57	0°♄	morning max el	14249 Mar 25 02:32	28°♄20'17 45°49'44
	14246 Dec 10 11:33	0°♄		14249 Mar 26 19:09	0°♄
desc. node	14246 Dec 29 16:37	23°♄09'54		14249 Apr 24 01:39	0°♄
	14247 Jan 04 10:00	0°♄		14249 May 20 04:11	0°♄
	14247 Jan 29 22:03	0°♄		14249 Jun 14 07:23	0°♄
	14247 Feb 25 06:50	0°♄	desc. node	14249 Jun 15 23:31	2°♄01'23
	14247 Mar 25 11:20	0°♄		14249 Jul 08 21:20	0°♄
evening max el	14247 Mar 29 10:45	3°♄56'17 46°07'52		14249 Aug 02 03:31	0°♄
asc. node	14247 Apr 21 14:59	24°♄06'56		14249 Aug 26 05:45	0°♄
	14247 Apr 30 18:03	0°♄		14249 Sep 19 06:37	0°♄
greatest brilliancy	14247 May 08 05:30	3°♄22'49 -4.8m	morning set	14249 Sep 25 12:10	7°♄46'53
retrograde	14247 May 17 21:48	5°♄07'14	asc. node	14249 Oct 06 15:51	21°♄42'20
	14247 Jun 03 03:23	30°♄♄		14249 Oct 13 07:23	0°♄
evening set	14247 Jun 04 11:38	29°♄12'23			
inferior conj	14247 Jun 07 17:48	27°♄11'51 8°50'09	superior conj	14249 Nov 03 07:28	26°♄11'31 1°00'48
minimum elong	14247 Jun 07 12:10	27°♄20'38 8°48'39	minimum elong	14249 Nov 02 21:03	25°♄39'05 1°01'15
min. Earth dist.	14247 Jun 07 22:20	27°♄04'47 0.27746 AU	max. Earth dist.	14249 Nov 05 08:05	28°♄42'57 1.72224 AU
morning rise	14247 Jun 10 12:38	25°♄28'16		14249 Nov 06 08:50	0°♄
direct	14247 Jun 28 17:28	19°♄09'42		14249 Nov 30 11:55	0°♄
greatest brilliancy	14247 Jul 08 16:15	21°♄01'37 -4.9m	evening rise	14249 Dec 10 16:50	12°♄38'39
	14247 Jul 24 12:45	0°♄		14249 Dec 24 18:03	0°♄
desc. node	14247 Aug 11 18:24	15°♄38'11		14250 Jan 18 04:39	0°♄
morning max el	14247 Aug 18 05:01	21°♄57'56 46°57'14	desc. node	14250 Jan 26 05:46	9°♄49'15
	14247 Aug 26 00:16	0°♄		14250 Feb 11 20:28	0°♄
	14247 Sep 22 03:48	0°♄		14250 Mar 08 17:41	0°♄
	14247 Oct 17 20:52	0°♄		14250 Apr 02 21:34	0°♄
	14247 Nov 11 23:30	0°♄		14250 Apr 28 13:23	0°♄
asc. node	14247 Dec 02 17:09	25°♄04'50	asc. node	14250 May 19 00:51	23°♄06'37
	14247 Dec 06 18:17	0°♄		14250 May 25 08:29	0°♄
	14247 Dec 31 07:53	0°♄	evening max el	14250 Jun 10 03:58	16°♄26'45 46°35'52
	14248 Jan 24 18:11	0°♄		14250 Jun 24 15:16	0°♄
morning set	14248 Feb 16 06:22	27°♄43'06	greatest brilliancy	14250 Jul 20 11:26	16°♄50'40 -4.9m
	14248 Feb 18 02:48	0°♄	retrograde	14250 Jul 30 06:14	18°♄39'04
	14248 Mar 13 10:35	0°♄	evening set	14250 Aug 14 19:23	13°♄56'33
desc. node	14248 Mar 23 08:47	12°♄15'14	inferior conj	14250 Aug 19 22:12	10°♄55'02 4°47'37
max. Earth dist.	14248 Mar 23 10:19	12°♄19'57 1.72943 AU	minimum elong	14250 Aug 20 08:01	10°♄40'04 4°44'25
			min. Earth dist.	14250 Aug 20 08:22	10°♄39'32 0.26970 AU
superior conj	14248 Mar 24 21:45	14°♄09'19 -0°03'46	morning rise	14250 Aug 25 20:27	7°♄26'08
minimum elong	14248 Mar 24 20:50	14°♄06'32 0°03'52	desc. node	14250 Sep 08 03:29	3°♄10'35
behind sun begin	14248 Mar 23 21:33	12°♄54'39	direct	14250 Sep 09 15:00	3°♄07'55
behind sun end	14248 Mar 25 20:07	15°♄18'25	greatest brilliancy	14250 Sep 19 19:31	5°♄03'42 -4.9m
	14248 Apr 06 17:26	0°♄		14250 Oct 24 12:17	0°♄
	14248 Apr 30 22:43	0°♄	morning max el	14250 Oct 29 14:57	4°♄55'56 46°31'08
evening rise	14248 May 02 08:37	1°♄45'09		14250 Nov 22 14:26	0°♄
	14248 May 25 02:25	0°♄		14250 Dec 19 05:28	0°♄
	14248 Jun 18 05:40	0°♄	asc. node	14250 Dec 30 04:49	12°♄45'01
	14248 Jul 12 10:31	0°♄		14251 Jan 13 19:55	0°♄
asc. node	14248 Jul 13 22:42	1°♄51'48		14251 Feb 07 20:53	0°♄
	14248 Aug 05 19:43	0°♄		14251 Mar 04 13:49	0°♄
	14248 Aug 30 13:21	0°♄		14251 Mar 29 01:45	0°♄
	14248 Sep 24 23:29	0°♄	desc. node	14251 Apr 20 23:13	28°♄12'52

	14251 Apr 22 09:54	0°♄		evening set	14253 Oct 26 18:25	27°♎27'09	
morning set	14251 Apr 27 16:58	6°♄32'56		min. Earth dist.	14253 Oct 31 08:19	24°♎43'45	0.27762 AU
	14251 May 16 14:31	0°♂		inferior conj	14253 Nov 01 05:38	24°♎10'58	-6°11'13
max. Earth dist.	14251 Jun 03 07:24	22°♂03'25	1.71936 AU	minimum elong	14253 Oct 31 18:54	24°♎27'29	6°08'00
				morning rise	14253 Nov 05 19:59	21°♎25'45	
superior conj	14251 Jun 06 06:45	25°♂46'09	-1°24'00	direct	14253 Nov 22 05:54	16°♎19'39	
minimum elong	14251 Jun 06 00:31	25°♂26'42	1°24'58	greatest brilliancy	14253 Dec 01 15:34	17°♎56'58	-4.8m
	14251 Jun 09 16:01	0°♄			14253 Dec 22 09:21	0°♄	
	14251 Jul 03 15:26	0°♂		morning max el	14254 Jan 10 06:47	16°♄37'21	45°50'12
evening rise	14251 Jul 16 03:00	15°♂38'10			14254 Jan 23 14:00	0°♄	
	14251 Jul 27 14:22	0°♎		asc. node	14254 Jan 26 15:17	3°♄12'15	
asc. node	14251 Aug 11 12:30	18°♎39'47			14254 Feb 20 00:14	0°♄	
	14251 Aug 20 14:30	0°♄			14254 Mar 17 21:23	0°♄	
	14251 Sep 13 17:39	0°♎			14254 Apr 12 00:35	0°♄	
	14251 Oct 08 02:16	0°♄			14254 May 06 17:14	0°♄	
	14251 Nov 01 20:43	0°♄		desc. node	14254 May 18 12:55	14°♄30'04	
	14251 Nov 27 08:29	0°♄			14254 May 31 02:27	0°♂	
desc. node	14251 Dec 01 06:32	4°♄30'12			14254 Jun 24 06:05	0°♄	
	14251 Dec 24 04:22	0°♄		morning set	14254 Jul 11 01:03	20°♄58'39	
evening max el	14252 Jan 14 17:28	22°♄05'16	45°57'08		14254 Jul 18 06:01	0°♂	
	14252 Jan 23 05:56	0°♄			14254 Aug 11 04:17	0°♎	
greatest brilliancy	14252 Feb 22 16:49	20°♄29'29	-4.8m				
retrograde	14252 Mar 03 17:57	22°♄19'59		superior conj	14254 Aug 19 20:13	10°♎51'51	-0°44'56
evening set	14252 Mar 18 14:43	18°♄00'02		minimum elong	14254 Aug 20 06:20	11°♎23'34	0°44'57
asc. node	14252 Mar 23 07:43	15°♄13'16		max. Earth dist.	14254 Aug 20 09:41	11°♎34'04	1.71493 AU
inferior conj	14252 Mar 24 22:22	14°♄12'59	0°24'05		14254 Sep 04 02:35	0°♄	
minimum elong	14252 Mar 24 21:27	14°♄14'25	0°23'40	asc. node	14254 Sep 08 03:06	5°♄02'17	
min. Earth dist.	14252 Mar 25 02:40	14°♄06'15	0.28279 AU	evening rise	14254 Sep 28 11:17	0°♎28'45	
morning rise	14252 Mar 31 03:55	10°♄28'30			14254 Sep 28 02:05	0°♎	
direct	14252 Apr 15 03:35	6°♄03'03			14254 Oct 22 03:56	0°♄	
greatest brilliancy	14252 Apr 25 18:34	8°♄08'56	-4.8m		14254 Nov 15 09:57	0°♄	
	14252 May 26 19:53	0°♄			14254 Dec 09 22:52	0°♄	
morning max el	14252 Jun 04 01:32	7°♄54'48	46°29'15	desc. node	14254 Dec 28 18:30	22°♄40'20	
	14252 Jun 25 00:49	0°♂			14255 Jan 03 21:56	0°♄	
desc. node	14252 Jul 13 10:36	20°♂49'36			14255 Jan 29 11:08	0°♄	
	14252 Jul 21 07:30	0°♄			14255 Feb 24 22:14	0°♄	
	14252 Aug 15 11:15	0°♂			14255 Mar 25 08:48	0°♂	
	14252 Sep 09 02:34	0°♎		evening max el	14255 Mar 27 00:13	1°♂36'47	46°06'51
	14252 Oct 03 12:13	0°♄		asc. node	14255 Apr 20 16:57	22°♂52'15	
	14252 Oct 27 19:19	0°♎			14255 May 03 01:56	0°♄	
asc. node	14252 Nov 03 05:56	7°♎58'00		greatest brilliancy	14255 May 05 19:19	1°♄03'15	-4.8m
	14252 Nov 21 01:05	0°♄		retrograde	14255 May 15 10:57	2°♄47'29	
morning set	14252 Dec 05 23:30	18°♄30'01			14255 May 27 06:26	30°♄	
	14252 Dec 15 06:15	0°♄		evening set	14255 Jun 01 21:47	26°♂58'09	
	14253 Jan 08 11:51	0°♄		inferior conj	14255 Jun 05 07:53	24°♂51'48	8°43'26
				minimum elong	14255 Jun 05 01:28	25°♂01'48	8°41'48
superior conj	14253 Jan 11 23:17	4°♄17'56	1°19'40	min. Earth dist.	14255 Jun 05 12:11	24°♂45'04	0.27769 AU
minimum elong	14253 Jan 12 06:23	4°♄39'50	1°20'27	morning rise	14255 Jun 08 05:03	23°♂04'33	
max. Earth dist.	14253 Jan 13 18:36	6°♄31'49	1.73024 AU	direct	14255 Jun 26 07:08	16°♂49'07	
	14253 Feb 01 18:55	0°♄		greatest brilliancy	14255 Jul 06 07:17	18°♂41'48	-4.9m
evening rise	14253 Feb 18 11:13	20°♄32'21			14255 Jul 25 05:14	0°♄	
desc. node	14253 Feb 22 20:02	25°♄54'40		desc. node	14255 Aug 10 20:30	14°♄43'32	
	14253 Feb 26 03:52	0°♄		morning max el	14255 Aug 15 17:59	19°♄33'44	46°57'11
	14253 Mar 22 14:14	0°♄			14255 Aug 25 19:46	0°♂	
	14253 Apr 16 01:26	0°♂			14255 Sep 21 18:53	0°♎	
	14253 May 10 13:56	0°♄			14255 Oct 17 10:03	0°♄	
	14253 Jun 04 06:18	0°♂			14255 Nov 11 11:36	0°♎	
asc. node	14253 Jun 15 11:56	13°♂31'36		asc. node	14255 Dec 01 18:55	24°♎35'15	
	14253 Jun 29 07:48	0°♎			14255 Dec 06 05:41	0°♄	
	14253 Jul 25 04:59	0°♄			14255 Dec 30 18:50	0°♄	
evening max el	14253 Aug 21 21:06	29°♄45'29	46°42'18		14256 Jan 24 04:50	0°♄	
	14253 Aug 22 02:54	0°♎		morning set	14256 Feb 13 23:27	25°♄35'25	
greatest brilliancy	14253 Sep 30 03:07	29°♎57'51	-4.8m		14256 Feb 17 13:18	0°♄	
	14253 Sep 30 05:21	0°♄			14256 Mar 12 21:04	0°♄	
desc. node	14253 Oct 05 12:38	1°♄35'48		max. Earth dist.	14256 Mar 21 04:12	10°♄14'37	1.72970 AU
retrograde	14253 Oct 11 03:45	2°♄12'21		desc. node	14256 Mar 22 10:38	11°♄48'34	
	14253 Oct 21 14:36	30°♄					

superior conj	14256 Mar 22 13:20	11° $\Upsilon$ 56'58	-0°00'17	morning rise	14258 Aug 23 06:51	5° $\eta$ 05'00	
minimum elong	14256 Mar 22 13:14	11° $\Upsilon$ 56'38	0°00'23	direct	14258 Sep 07 04:18	0° $\eta$ 43'01	
behind sun begin	14256 Mar 21 13:32	10° $\Upsilon$ 43'27		desc. node	14258 Sep 07 05:32	0° $\eta$ 43'01	
behind sun end	14256 Mar 23 12:56	13° $\Upsilon$ 09'49		greatest brilliancy	14258 Sep 17 08:17	2° $\eta$ 39'00	-4.9m
	14256 Apr 06 03:57	0° $\mathcal{B}$			14258 Oct 24 12:54	0° $\mathcal{B}$	
evening rise	14256 Apr 29 23:17	29° $\mathcal{B}$ 28'47		morning max el	14258 Oct 27 05:47	2° $\mathcal{B}$ 38'10	46°32'37
	14256 Apr 30 09:21	0° $\Pi$			14258 Nov 22 06:53	0° $\mathcal{M}$	
	14256 May 24 13:15	0° $\mathcal{E}$			14258 Dec 18 19:01	0° $\mathcal{X}$	
	14256 Jun 17 16:44	0° $\Omega$		asc. node	14258 Dec 29 06:50	12° $\mathcal{X}$ 13'13	
	14256 Jul 11 21:56	0° $\eta$			14259 Jan 13 08:05	0° $\mathcal{Z}$	
asc. node	14256 Jul 13 00:35	1° $\eta$ 22'18			14259 Feb 07 08:15	0° $\approx$	
	14256 Aug 05 07:38	0° $\mathcal{B}$			14259 Mar 04 00:44	0° $\mathcal{H}$	
	14256 Aug 30 02:07	0° $\mathcal{M}$			14259 Mar 28 12:24	0° $\Upsilon$	
	14256 Sep 24 13:53	0° $\mathcal{X}$		desc. node	14259 Apr 20 01:01	27° $\Upsilon$ 45'58	
	14256 Oct 21 16:17	0° $\mathcal{Z}$			14259 Apr 21 20:23	0° $\mathcal{B}$	
evening max el	14256 Nov 01 04:48	10° $\mathcal{Z}$ 43'21	46°17'55	morning set	14259 Apr 25 07:05	4° $\mathcal{B}$ 15'40	
desc. node	14256 Nov 01 22:01	11° $\mathcal{Z}$ 25'37			14259 May 16 00:59	0° $\Pi$	
	14256 Nov 23 02:02	0° $\approx$		max. Earth dist.	14259 May 31 20:59	19° $\Pi$ 43'21	1.71970 AU
greatest brilliancy	14256 Dec 10 16:00	10° $\approx$ 03'52	-4.8m				
retrograde	14256 Dec 20 19:34	11° $\approx$ 57'19		superior conj	14259 Jun 03 19:46	23° $\Pi$ 24'15	-1°22'53
evening set	14257 Jan 07 21:17	5° $\approx$ 49'53		minimum elong	14259 Jun 03 12:45	23° $\Pi$ 02'21	1°23'49
inferior conj	14257 Jan 11 07:35	3° $\approx$ 42'29	-8°11'32		14259 Jun 09 02:30	0° $\mathcal{E}$	
minimum elong	14257 Jan 11 15:04	3° $\approx$ 30'46	8°09'45		14259 Jul 03 01:59	0° $\Omega$	
min. Earth dist.	14257 Jan 11 09:16	3° $\approx$ 39'51	0.28813 AU	evening rise	14259 Jul 13 14:49	13° $\Omega$ 11'39	
morning rise	14257 Jan 15 08:51	1° $\approx$ 12'37			14259 Jul 27 01:02	0° $\eta$	
	14257 Jan 17 11:23	30° $\mathcal{K}$ $\mathcal{Z}$		asc. node	14259 Aug 10 14:26	18° $\eta$ 12'06	
direct	14257 Feb 01 15:05	25° $\mathcal{Z}$ 31'54			14259 Aug 20 01:21	0° $\mathcal{B}$	
greatest brilliancy	14257 Feb 12 03:57	27° $\mathcal{Z}$ 32'34	-4.7m		14259 Sep 13 04:45	0° $\mathcal{M}$	
	14257 Feb 17 17:16	0° $\approx$			14259 Oct 07 13:47	0° $\mathcal{X}$	
asc. node	14257 Feb 23 00:38	3° $\approx$ 03'24			14259 Nov 01 08:55	0° $\mathcal{Z}$	
morning max el	14257 Mar 22 17:54	26° $\approx$ 07'53	45°49'03		14259 Nov 26 22:02	0° $\approx$	
	14257 Mar 26 15:46	0° $\mathcal{H}$		desc. node	14259 Nov 30 08:29	3° $\approx$ 56'13	
	14257 Apr 23 16:36	0° $\Upsilon$			14259 Dec 23 20:58	0° $\mathcal{H}$	
	14257 May 19 17:05	0° $\mathcal{B}$		evening max el	14260 Jan 12 09:35	19° $\mathcal{H}$ 55'23	45°57'22
	14257 Jun 13 19:18	0° $\Pi$			14260 Jan 23 09:10	0° $\Upsilon$	
desc. node	14257 Jun 15 01:23	1° $\Pi$ 31'04		greatest brilliancy	14260 Feb 20 08:00	18° $\Upsilon$ 16'59	-4.8m
	14257 Jul 08 08:44	0° $\mathcal{E}$		retrograde	14260 Mar 01 09:04	20° $\Upsilon$ 07'01	
	14257 Aug 01 14:36	0° $\Omega$		evening set	14260 Mar 16 06:48	15° $\Upsilon$ 46'19	
	14257 Aug 25 16:38	0° $\eta$		asc. node	14260 Mar 22 09:41	12° $\Upsilon$ 06'07	
	14257 Sep 18 17:19	0° $\mathcal{B}$		inferior conj	14260 Mar 22 13:41	11° $\Upsilon$ 59'50	0°02'30
morning set	14257 Sep 23 01:26	5° $\mathcal{B}$ 25'07		minimum elong	14260 Mar 22 13:36	11° $\Upsilon$ 59'59	0°02'21
asc. node	14257 Oct 05 17:37	21° $\mathcal{B}$ 14'46		transit middle	14260 Mar 22 13:36	11° $\Upsilon$ 59'59	0°02'21
	14257 Oct 12 17:57	0° $\mathcal{M}$		transit begin	14260 Mar 22 09:36	12° $\Upsilon$ 06'15	
				transit end	14260 Mar 22 17:36	11° $\Upsilon$ 53'42	
superior conj	14257 Oct 31 22:15	23° $\mathcal{M}$ 55'19	0°58'14	min. Earth dist.	14260 Mar 22 18:17	11° $\Upsilon$ 52'39	0.28296 AU
minimum elong	14257 Oct 31 11:51	23° $\mathcal{M}$ 22'56	0°58'38	morning rise	14260 Mar 28 20:13	8° $\Upsilon$ 13'55	
max. Earth dist.	14257 Nov 02 21:19	26° $\mathcal{M}$ 21'57	1.72194 AU	direct	14260 Apr 12 19:39	3° $\Upsilon$ 50'01	
	14257 Nov 05 19:20	0° $\mathcal{X}$		greatest brilliancy	14260 Apr 23 10:05	5° $\Upsilon$ 55'28	-4.8m
	14257 Nov 29 22:25	0° $\mathcal{Z}$			14260 May 26 20:34	0° $\mathcal{B}$	
evening rise	14257 Dec 08 08:45	10° $\mathcal{Z}$ 26'51		morning max el	14260 Jun 01 16:20	5° $\mathcal{B}$ 39'09	46°27'46
	14257 Dec 24 04:39	0° $\approx$			14260 Jun 24 17:00	0° $\Pi$	
	14258 Jan 17 15:26	0° $\mathcal{H}$		desc. node	14260 Jul 12 12:41	20° $\Pi$ 14'47	
desc. node	14258 Jan 25 07:44	9° $\mathcal{H}$ 22'08			14260 Jul 20 21:02	0° $\mathcal{E}$	
	14258 Feb 11 07:33	0° $\Upsilon$			14260 Aug 14 23:33	0° $\Omega$	
	14258 Mar 08 05:18	0° $\mathcal{B}$			14260 Sep 08 14:10	0° $\eta$	
	14258 Apr 02 10:08	0° $\Pi$			14260 Oct 02 23:23	0° $\mathcal{B}$	
	14258 Apr 28 03:39	0° $\mathcal{E}$			14260 Oct 27 06:11	0° $\mathcal{M}$	
asc. node	14258 May 18 02:41	22° $\mathcal{E}$ 25'30		asc. node	14260 Nov 02 07:44	7° $\mathcal{M}$ 30'11	
	14258 May 25 02:35	0° $\Omega$			14260 Nov 20 11:43	0° $\mathcal{X}$	
evening max el	14258 Jun 07 17:44	14° $\Omega$ 05'54	46°34'59	morning set	14260 Dec 03 15:14	16° $\mathcal{X}$ 17'29	
	14258 Jun 24 23:48	0° $\eta$			14260 Dec 14 16:44	0° $\mathcal{Z}$	
greatest brilliancy	14258 Jul 18 00:28	14° $\eta$ 26'28	-4.9m		14261 Jan 07 22:15	0° $\approx$	
retrograde	14258 Jul 27 19:34	16° $\eta$ 14'57					
evening set	14258 Aug 12 11:16	11° $\eta$ 27'43		superior conj	14261 Jan 09 15:50	2° $\approx$ 08'33	1°20'54
inferior conj	14258 Aug 17 10:52	8° $\eta$ 30'35	5°08'09	minimum elong	14261 Jan 09 22:22	2° $\approx$ 28'44	1°21'44
minimum elong	14258 Aug 17 21:08	8° $\eta$ 14'57	5°04'53	max. Earth dist.	14261 Jan 11 13:33	4° $\approx$ 29'53	1.73004 AU
min. Earth dist.	14258 Aug 17 21:37	8° $\eta$ 14'13	0.26988 AU		14261 Feb 01 05:20	0° $\mathcal{H}$	



evening rise	14261 Feb 16 03:02	18° $\text{H}$ 21'03		morning max el	14263 Aug 13 07:43	17° $\text{G}$ 11'42	46°57'18
desc. node	14261 Feb 21 21:52	25° $\text{H}$ 27'54			14263 Aug 25 14:36	0° $\Omega$	
	14261 Feb 25 14:25	0° $\text{Y}$			14263 Sep 21 09:39	0° $\text{P}$	
	14261 Mar 22 01:01	0° $\text{B}$			14263 Oct 16 23:01	0° $\text{A}$	
	14261 Apr 15 12:31	0° $\text{II}$			14263 Nov 10 23:34	0° $\text{M}$	
	14261 May 10 01:27	0° $\text{G}$		asc. node	14263 Nov 30 20:53	24° $\text{M}$ 06'32	
	14261 Jun 03 18:30	0° $\Omega$			14263 Dec 05 17:01	0° $\text{X}$	
asc. node	14261 Jun 14 13:56	12° $\Omega$ 59'37			14263 Dec 30 05:47	0° $\text{Z}$	
	14261 Jun 28 21:12	0° $\text{P}$			14264 Jan 23 15:34	0° $\approx$	
	14261 Jul 24 20:50	0° $\text{A}$		morning set	14264 Feb 11 16:13	23° $\approx$ 26'22	
evening max el	14261 Aug 19 11:27	27° $\text{A}$ 25'50	46°42'29		14264 Feb 16 23:55	0° $\text{H}$	
	14261 Aug 22 01:28	0° $\text{M}$			14264 Mar 12 07:40	0° $\text{Y}$	
greatest brilliancy	14261 Sep 27 18:20	27° $\text{M}$ 39'42	-4.8m	max. Earth dist.	14264 Mar 18 23:08	8° $\text{Y}$ 12'11	1.72993 AU
desc. node	14261 Oct 04 14:31	29° $\text{M}$ 33'13					
retrograde	14261 Oct 08 17:40	29° $\text{M}$ 53'05		superior conj	14264 Mar 20 04:31	9° $\text{Y}$ 42'55	0°03'15
evening set	14261 Oct 24 05:32	25° $\text{M}$ 12'58		minimum elong	14264 Mar 20 05:14	9° $\text{Y}$ 45'08	0°03'09
min. Earth dist.	14261 Oct 28 22:50	22° $\text{M}$ 24'47	0.27709 AU	behind sun begin	14264 Mar 19 05:49	8° $\text{Y}$ 32'50	
inferior conj	14261 Oct 29 19:36	21° $\text{M}$ 52'48	-5°54'42	behind sun end	14264 Mar 21 04:39	10° $\text{Y}$ 57'27	
minimum elong	14261 Oct 29 08:58	22° $\text{M}$ 09'11	5°51'25	desc. node	14264 Mar 21 12:22	11° $\text{Y}$ 21'14	
morning rise	14261 Nov 03 12:58	19° $\text{M}$ 03'06			14264 Apr 05 14:35	0° $\text{B}$	
direct	14261 Nov 19 19:27	14° $\text{M}$ 02'16		evening rise	14264 Apr 27 13:42	27° $\text{B}$ 11'28	
greatest brilliancy	14261 Nov 29 05:24	15° $\text{M}$ 39'31	-4.8m		14264 Apr 29 20:06	0° $\text{II}$	
	14261 Dec 22 20:13	0° $\text{X}$			14264 May 24 00:10	0° $\text{G}$	
morning max el	14262 Jan 07 19:33	14° $\text{X}$ 17'59	45°51'05		14264 Jun 17 03:56	0° $\Omega$	
	14262 Jan 23 08:06	0° $\text{Z}$			14264 Jul 11 09:29	0° $\text{P}$	
asc. node	14262 Jan 25 17:18	2° $\text{Z}$ 31'12		asc. node	14264 Jul 12 02:30	0° $\text{P}$ 52'29	
	14262 Feb 19 14:21	0° $\approx$			14264 Aug 04 19:42	0° $\text{A}$	
	14262 Mar 17 09:49	0° $\text{H}$			14264 Aug 29 15:02	0° $\text{M}$	
	14262 Apr 11 12:11	0° $\text{Y}$			14264 Sep 24 04:28	0° $\text{X}$	
	14262 May 06 04:23	0° $\text{B}$			14264 Oct 21 11:05	0° $\text{Z}$	
desc. node	14262 May 17 14:42	14° $\text{B}$ 01'46		evening max el	14264 Oct 29 19:22	8° $\text{Z}$ 27'29	46°19'00
	14262 May 30 13:20	0° $\text{II}$		desc. node	14264 Oct 31 23:59	10° $\text{Z}$ 36'05	
	14262 Jun 23 16:49	0° $\text{G}$			14264 Nov 23 18:52	0° $\approx$	
morning set	14262 Jul 08 13:01	18° $\text{G}$ 32'34		greatest brilliancy	14264 Dec 08 06:14	7° $\approx$ 50'42	-4.8m
	14262 Jul 17 16:39	0° $\Omega$		retrograde	14264 Dec 18 11:39	9° $\approx$ 45'56	
	14262 Aug 10 14:51	0° $\text{P}$		evening set	14265 Jan 05 15:11	3° $\approx$ 34'39	
				inferior conj	14265 Jan 08 23:18	1° $\approx$ 30'45	-8°19'07
superior conj	14262 Aug 17 08:38	8° $\text{P}$ 27'14	-0°48'10	minimum elong	14265 Jan 09 06:11	1° $\approx$ 19'59	8°17'27
minimum elong	14262 Aug 17 19:14	9° $\text{P}$ 00'27	0°48'12	min. Earth dist.	14265 Jan 08 23:52	1° $\approx$ 29'52	0.28814 AU
max. Earth dist.	14262 Aug 17 16:59	8° $\text{P}$ 53'26	1.71481 AU		14265 Jan 11 09:40	30° $\text{R}$ $\text{Z}$	
	14262 Sep 03 13:08	0° $\text{A}$		morning rise	14265 Jan 12 21:13	29° $\text{Z}$ 06'11	
asc. node	14262 Sep 07 04:50	4° $\text{A}$ 34'39		direct	14265 Jan 30 06:44	23° $\text{Z}$ 20'15	
evening rise	14262 Sep 26 01:14	28° $\text{A}$ 09'20		greatest brilliancy	14265 Feb 09 18:55	25° $\text{Z}$ 20'36	-4.7m
	14262 Sep 27 12:41	0° $\text{M}$			14265 Feb 19 06:50	0° $\approx$	
	14262 Oct 21 14:38	0° $\text{X}$		asc. node	14265 Feb 22 02:34	1° $\approx$ 47'01	
	14262 Nov 14 20:52	0° $\text{Z}$		morning max el	14265 Mar 20 09:59	23° $\approx$ 56'28	45°48'16
	14262 Dec 09 10:10	0° $\approx$			14265 Mar 26 12:03	0° $\text{H}$	
desc. node	14262 Dec 27 20:26	22° $\approx$ 10'50			14265 Apr 23 07:39	0° $\text{Y}$	
	14263 Jan 03 09:56	0° $\text{H}$			14265 May 19 06:09	0° $\text{B}$	
	14263 Jan 29 00:21	0° $\text{Y}$			14265 Jun 13 07:25	0° $\text{II}$	
	14263 Feb 24 13:55	0° $\text{B}$		desc. node	14265 Jun 14 03:25	1° $\text{II}$ 00'38	
evening max el	14263 Mar 24 13:12	29° $\text{B}$ 16'18	46°06'03		14265 Jul 07 20:19	0° $\text{G}$	
	14263 Mar 25 07:09	0° $\text{II}$			14265 Aug 01 01:53	0° $\Omega$	
asc. node	14263 Apr 19 18:51	21° $\text{II}$ 35'08			14265 Aug 25 03:43	0° $\text{P}$	
greatest brilliancy	14263 May 03 08:43	28° $\text{II}$ 43'15	-4.8m		14265 Sep 18 04:13	0° $\text{A}$	
	14263 May 08 02:50	0° $\text{G}$		morning set	14265 Sep 20 14:50	3° $\text{A}$ 03'05	
retrograde	14263 May 13 00:26	0° $\text{G}$ 27'59		asc. node	14265 Oct 04 19:25	20° $\text{A}$ 46'39	
	14263 May 17 19:34	30° $\text{R}$ $\text{II}$			14265 Oct 12 04:43	0° $\text{M}$	
evening set	14263 May 30 07:44	24° $\text{II}$ 44'00					
inferior conj	14263 Jun 02 21:55	22° $\text{II}$ 31'44	8°35'55	superior conj	14265 Oct 29 13:12	21° $\text{M}$ 38'56	0°55'35
minimum elong	14263 Jun 02 14:46	22° $\text{II}$ 42'53	8°34'07	minimum elong	14265 Oct 29 02:53	21° $\text{M}$ 06'47	0°55'55
min. Earth dist.	14263 Jun 03 01:51	22° $\text{II}$ 25'35	0.27791 AU	max. Earth dist.	14265 Oct 31 12:47	24° $\text{M}$ 07'14	1.72161 AU
morning rise	14263 Jun 05 21:40	20° $\text{II}$ 40'38			14265 Nov 05 06:01	0° $\text{X}$	
direct	14263 Jun 23 20:50	14° $\text{II}$ 28'23			14265 Nov 29 09:06	0° $\text{Z}$	
greatest brilliancy	14263 Jul 03 22:15	16° $\text{II}$ 22'07	-4.9m	evening rise	14265 Dec 06 00:57	8° $\text{Z}$ 15'22	
	14263 Jul 25 17:28	0° $\text{G}$			14265 Dec 23 15:26	0° $\approx$	
desc. node	14263 Aug 09 22:24	13° $\text{G}$ 49'46			14266 Jan 17 02:26	0° $\text{H}$	

desc. node	14266 Jan 24 09:35	8° $\text{H}$ 53'54		14268 Aug 14 12:16	0° $\Omega$	
	14266 Feb 10 18:57	0° $\text{Y}$		14268 Sep 08 02:10	0° $\text{M}$	
	14266 Mar 07 17:20	0° $\text{B}$		14268 Oct 02 10:55	0° $\underline{\text{A}}$	
	14266 Apr 01 23:11	0° $\text{II}$		14268 Oct 26 17:24	0° $\text{M}$	
	14266 Apr 27 18:33	0° $\text{E}$		asc. node	14268 Nov 01 09:38	7° $\text{M}$ 01'37
asc. node	14266 May 17 04:44	21° $\text{E}$ 43'16			14268 Nov 19 22:43	0° $\text{A}$
	14266 May 24 21:38	0° $\Omega$		morning set	14268 Dec 01 07:00	14° $\text{A}$ 03'51
evening max el	14266 Jun 05 07:55	11° $\Omega$ 44'56	46°34'11		14268 Dec 14 03:34	0° $\text{E}$
	14266 Jun 25 12:01	0° $\text{M}$				
greatest brilliancy	14266 Jul 15 13:32	12° $\text{M}$ 01'24	-4.9m	superior conj	14269 Jan 07 08:40	29° $\text{E}$ 58'59 1°22'01
retrograde	14266 Jul 25 08:47	13° $\text{M}$ 49'33		minimum elong	14269 Jan 07 14:36	0° $\approx$ 17'19 1°22'53
evening set	14266 Aug 10 03:15	8° $\text{M}$ 57'48			14269 Jan 07 09:00	0° $\approx$
inferior conj	14266 Aug 14 23:30	6° $\text{M}$ 04'59	5°28'11	max. Earth dist.	14269 Jan 09 06:37	2° $\approx$ 21'00 1.72980 AU
minimum elong	14266 Aug 15 10:06	5° $\text{M}$ 48'48	5°24'52		14269 Jan 31 16:06	0° $\text{H}$
min. Earth dist.	14266 Aug 15 10:37	5° $\text{M}$ 48'02	0.27004 AU	evening rise	14269 Feb 13 19:10	16° $\text{H}$ 09'47
morning rise	14266 Aug 20 16:54	2° $\text{M}$ 42'55		desc. node	14269 Feb 20 23:36	24° $\text{H}$ 59'51
	14266 Aug 26 13:27	30° $\text{R}$ $\Omega$			14269 Feb 25 01:18	0° $\text{Y}$
direct	14266 Sep 04 17:46	28° $\Omega$ 17'11			14269 Mar 21 12:07	0° $\text{B}$
desc. node	14266 Sep 06 07:28	28° $\Omega$ 20'09			14269 Apr 14 23:57	0° $\text{II}$
	14266 Sep 14 06:22	0° $\text{M}$			14269 May 09 13:24	0° $\text{E}$
greatest brilliancy	14266 Sep 14 20:38	0° $\text{M}$ 12'38	-4.9m		14269 Jun 03 07:14	0° $\Omega$
	14266 Oct 24 12:45	0° $\underline{\text{A}}$		asc. node	14269 Jun 13 15:49	12° $\Omega$ 25'43
morning max el	14266 Oct 24 20:08	0° $\underline{\text{A}}$ 18'10	46°34'08		14269 Jun 28 11:16	0° $\text{M}$
	14266 Nov 21 23:20	0° $\text{M}$			14269 Jul 24 13:34	0° $\underline{\text{A}}$
	14266 Dec 18 08:45	0° $\text{A}$		evening max el	14269 Aug 17 00:50	25° $\underline{\text{A}}$ 02'03 46°42'48
asc. node	14266 Dec 28 08:47	11° $\text{A}$ 40'37			14269 Aug 22 01:45	0° $\text{M}$
	14267 Jan 12 20:27	0° $\text{E}$		greatest brilliancy	14269 Sep 25 09:38	25° $\text{M}$ 19'56 -4.8m
	14267 Feb 06 19:52	0° $\approx$		desc. node	14269 Oct 03 16:31	27° $\text{M}$ 24'16
	14267 Mar 03 11:56	0° $\text{H}$		retrograde	14269 Oct 06 07:28	27° $\text{M}$ 32'22
	14267 Mar 27 23:22	0° $\text{Y}$		evening set	14269 Oct 21 16:43	22° $\text{M}$ 56'48
desc. node	14267 Apr 19 02:53	27° $\text{Y}$ 18'04		min. Earth dist.	14269 Oct 26 13:28	20° $\text{M}$ 04'00 0.27653 AU
	14267 Apr 21 07:17	0° $\text{B}$		inferior conj	14269 Oct 27 09:30	19° $\text{M}$ 33'11 -5°37'30
morning set	14267 Apr 22 20:58	1° $\text{B}$ 56'31		minimum elong	14269 Oct 26 23:02	19° $\text{M}$ 49'18 5°34'10
	14267 May 15 11:52	0° $\text{II}$		morning rise	14269 Nov 01 05:51	16° $\text{M}$ 39'10
max. Earth dist.	14267 May 29 07:15	17° $\text{II}$ 11'43	1.72005 AU	direct	14269 Nov 17 08:24	11° $\text{M}$ 43'16
				greatest brilliancy	14269 Nov 26 19:35	13° $\text{M}$ 21'09 -4.8m
superior conj	14267 Jun 01 08:27	20° $\text{II}$ 59'59	-1°21'36		14269 Dec 23 04:38	0° $\text{A}$
minimum elong	14267 Jun 01 00:42	20° $\text{II}$ 35'48	1°22'29	morning max el	14270 Jan 05 08:23	11° $\text{A}$ 57'38 45°52'09
	14267 Jun 08 13:26	0° $\text{E}$			14270 Jan 23 02:04	0° $\text{E}$
	14267 Jul 02 12:58	0° $\Omega$		asc. node	14270 Jan 24 19:09	1° $\text{E}$ 49'21
evening rise	14267 Jul 11 02:11	10° $\Omega$ 42'28			14270 Feb 19 04:36	0° $\approx$
	14267 Jul 26 12:07	0° $\text{M}$			14270 Mar 16 22:27	0° $\text{H}$
asc. node	14267 Aug 09 16:09	17° $\text{M}$ 42'34			14270 Apr 11 00:00	0° $\text{Y}$
	14267 Aug 19 12:35	0° $\underline{\text{A}}$			14270 May 05 15:45	0° $\text{B}$
	14267 Sep 12 16:15	0° $\text{M}$		desc. node	14270 May 16 16:41	13° $\text{B}$ 33'19
	14267 Oct 07 01:42	0° $\text{A}$			14270 May 30 00:28	0° $\text{II}$
	14267 Oct 31 21:33	0° $\text{E}$			14270 Jun 23 03:50	0° $\text{E}$
	14267 Nov 26 12:03	0° $\approx$		morning set	14270 Jul 06 00:47	16° $\text{E}$ 04'52
desc. node	14267 Nov 29 10:30	3° $\approx$ 21'12			14270 Jul 17 03:37	0° $\Omega$
	14267 Dec 23 14:15	0° $\text{H}$			14270 Aug 10 01:49	0° $\text{M}$
evening max el	14268 Jan 10 01:00	17° $\text{H}$ 43'00	45°57'39			
	14268 Jan 23 14:35	0° $\text{Y}$		superior conj	14270 Aug 14 20:38	6° $\text{M}$ 00'03 -0°51'21
greatest brilliancy	14268 Feb 17 23:45	16° $\text{Y}$ 04'35	-4.8m	minimum elong	14270 Aug 15 07:38	6° $\text{M}$ 34'31 0°51'25
retrograde	14268 Feb 27 23:53	17° $\text{Y}$ 53'38		max. Earth dist.	14270 Aug 14 22:33	6° $\text{M}$ 06'03 1.71477 AU
evening set	14268 Mar 13 23:09	13° $\text{Y}$ 31'53			14270 Sep 03 00:06	0° $\underline{\text{A}}$
inferior conj	14268 Mar 20 05:11	9° $\text{Y}$ 46'18	-0°18'56	asc. node	14270 Sep 06 06:40	4° $\underline{\text{A}}$ 06'02
minimum elong	14268 Mar 20 05:55	9° $\text{Y}$ 45'10	0°18'47	evening rise	14270 Sep 23 14:40	25° $\underline{\text{A}}$ 47'03
min. Earth dist.	14268 Mar 20 10:16	9° $\text{Y}$ 38'19	0.28319 AU		14270 Sep 26 23:39	0° $\text{M}$
asc. node	14268 Mar 21 11:37	8° $\text{Y}$ 58'37			14270 Oct 21 01:41	0° $\text{A}$
morning rise	14268 Mar 26 12:27	5° $\text{Y}$ 58'59			14270 Nov 14 08:06	0° $\text{E}$
direct	14268 Apr 10 11:23	1° $\text{Y}$ 36'27			14270 Dec 08 21:48	0° $\approx$
greatest brilliancy	14268 Apr 21 02:09	3° $\text{Y}$ 41'45	-4.8m	desc. node	14270 Dec 26 22:17	21° $\approx$ 40'16
	14268 May 26 20:37	0° $\text{B}$			14271 Jan 02 22:15	0° $\text{H}$
morning max el	14268 May 30 06:23	3° $\text{B}$ 20'11	46°26'03		14271 Jan 28 13:55	0° $\text{Y}$
	14268 Jun 24 09:28	0° $\text{II}$			14271 Feb 24 06:03	0° $\text{B}$
desc. node	14268 Jul 11 14:33	19° $\text{II}$ 37'59		evening max el	14271 Mar 22 03:03	26° $\text{B}$ 57'53 46°05'26
	14268 Jul 20 10:58	0° $\text{E}$			14271 Mar 25 06:35	0° $\text{II}$

asc. node	14271 Apr 18 20:57	20°II16'01		morning set	14273 Sep 18 04:23	0° <u>4</u> 41'57	
greatest brilliancy	14271 Apr 30 21:42	26°II23'08	-4.8m	asc. node	14273 Oct 03 21:19	20° <u>4</u> 19'14	
retrograde	14271 May 10 14:41	28°II09'07			14273 Oct 11 15:22	0° <u>III</u>	
evening set	14271 May 27 17:50	22°II30'23					
inferior conj	14271 May 31 12:10	20°II12'06	8°27'33	superior conj	14273 Oct 27 03:53	19° <u>III</u> 21'56	0°52'48
minimum elong	14271 May 31 04:22	20°II24'16	8°25'35	minimum elong	14273 Oct 26 17:44	18° <u>III</u> 50'17	0°53'07
min. Earth dist.	14271 May 31 15:23	20°II07'06	0.27815 AU	max. Earth dist.	14273 Oct 29 04:41	21° <u>III</u> 54'02	1.72133 AU
morning rise	14271 Jun 03 14:46	18°II16'52			14273 Nov 04 16:38	0° <u>X</u>	
direct	14271 Jun 21 11:13	12°II08'11			14273 Nov 28 19:44	0° <u>Z</u>	
greatest brilliancy	14271 Jul 01 12:53	14°II02'25	-4.9m	evening rise	14273 Dec 03 16:45	6° <u>Z</u> 02'44	
	14271 Jul 26 02:35	0° <u>3</u>			14273 Dec 23 02:09	0° <u>≈</u>	
desc. node	14271 Aug 09 00:22	12° <u>3</u> 56'50			14274 Jan 16 13:21	0° <u>X</u>	
morning max el	14271 Aug 10 22:33	14° <u>3</u> 52'07	46°57'02	desc. node	14274 Jan 23 11:19	8° <u>X</u> 25'42	
	14271 Aug 25 09:11	0° <u>Ω</u>			14274 Feb 10 06:13	0° <u>Y</u>	
	14271 Sep 21 00:31	0° <u>III</u>			14274 Mar 07 05:14	0° <u>X</u>	
	14271 Oct 16 12:11	0° <u>4</u>			14274 Apr 01 12:08	0° <u>II</u>	
	14271 Nov 10 11:45	0° <u>III</u>			14274 Apr 27 09:26	0° <u>3</u>	
asc. node	14271 Nov 29 22:48	23° <u>III</u> 36'56		asc. node	14274 May 16 06:42	21° <u>3</u> 01'01	
	14271 Dec 05 04:33	0° <u>X</u>			14274 May 24 16:57	0° <u>Ω</u>	
	14271 Dec 29 16:52	0° <u>Z</u>		evening max el	14274 Jun 02 22:14	9° <u>Ω</u> 25'09	46°33'20
	14272 Jan 23 02:24	0° <u>≈</u>			14274 Jun 26 03:48	0° <u>III</u>	
morning set	14272 Feb 09 09:03	21° <u>≈</u> 17'13		greatest brilliancy	14274 Jul 13 03:21	9° <u>III</u> 38'39	-4.9m
	14272 Feb 16 10:38	0° <u>X</u>		retrograde	14274 Jul 22 21:53	11° <u>III</u> 25'40	
	14272 Mar 11 18:21	0° <u>Y</u>		evening set	14274 Aug 07 19:35	6° <u>III</u> 29'34	
max. Earth dist.	14272 Mar 16 19:29	6° <u>Y</u> 13'51	1.73012 AU	inferior conj	14274 Aug 12 12:23	3° <u>III</u> 41'11	5°47'26
				minimum elong	14274 Aug 12 23:15	3° <u>III</u> 24'33	5°44'06
superior conj	14272 Mar 17 19:54	7° <u>Y</u> 29'12	0°06'43	min. Earth dist.	14274 Aug 12 23:59	3° <u>III</u> 23'26	0.27019 AU
minimum elong	14272 Mar 17 21:26	7° <u>Y</u> 33'58	0°06'37	morning rise	14274 Aug 18 02:54	0° <u>III</u> 22'44	
behind sun begin	14272 Mar 16 23:36	6° <u>Y</u> 26'32			14274 Aug 18 19:45	30° <u>R</u> Ω	
behind sun end	14272 Mar 18 19:17	8° <u>Y</u> 41'24		direct	14274 Sep 02 07:08	25° <u>Ω</u> 53'15	
desc. node	14272 Mar 20 14:16	10° <u>Y</u> 54'05		desc. node	14274 Sep 05 09:27	26° <u>Ω</u> 04'38	
	14272 Apr 05 01:18	0° <u>X</u>		greatest brilliancy	14274 Sep 12 09:17	27° <u>Ω</u> 48'02	-4.9m
evening rise	14272 Apr 25 04:31	24° <u>X</u> 55'15			14274 Sep 17 10:19	0° <u>III</u>	
	14272 Apr 29 06:54	0° <u>II</u>		morning max el	14274 Oct 22 09:37	27° <u>III</u> 57'02	46°35'26
	14272 May 23 11:08	0° <u>3</u>			14274 Oct 24 11:07	0° <u>4</u>	
	14272 Jun 16 15:09	0° <u>Ω</u>			14274 Nov 21 15:10	0° <u>III</u>	
	14272 Jul 10 21:04	0° <u>III</u>			14274 Dec 17 22:06	0° <u>X</u>	
asc. node	14272 Jul 11 04:18	0° <u>III</u> 22'17		asc. node	14274 Dec 27 10:35	11° <u>X</u> 08'24	
	14272 Aug 04 07:51	0° <u>4</u>			14275 Jan 12 08:32	0° <u>Z</u>	
	14272 Aug 29 04:08	0° <u>III</u>			14275 Feb 06 07:14	0° <u>≈</u>	
	14272 Sep 23 19:25	0° <u>X</u>			14275 Mar 02 22:51	0° <u>X</u>	
	14272 Oct 21 06:41	0° <u>Z</u>			14275 Mar 27 10:03	0° <u>Y</u>	
evening max el	14272 Oct 27 10:52	6° <u>Z</u> 13'19	46°20'06	desc. node	14275 Apr 18 04:42	26° <u>Y</u> 51'01	
desc. node	14272 Oct 31 02:03	9° <u>Z</u> 45'16		morning set	14275 Apr 20 10:55	29° <u>Y</u> 38'33	
	14272 Nov 24 18:12	0° <u>≈</u>			14275 Apr 20 17:51	0° <u>X</u>	
greatest brilliancy	14272 Dec 05 20:19	5° <u>≈</u> 36'45	-4.8m		14275 May 14 22:26	0° <u>II</u>	
retrograde	14272 Dec 16 03:54	7° <u>≈</u> 33'42		max. Earth dist.	14275 May 26 16:49	14° <u>II</u> 39'00	1.72043 AU
evening set	14273 Jan 03 08:51	1° <u>≈</u> 19'02					
	14273 Jan 05 12:12	30° <u>R</u> <u>Z</u>		superior conj	14275 May 29 21:21	18° <u>II</u> 37'35	-1°20'11
inferior conj	14273 Jan 06 14:53	29° <u>Z</u> 18'21	-8°26'03	minimum elong	14275 May 29 12:55	18° <u>II</u> 11'17	1°21'01
minimum elong	14273 Jan 06 21:09	29° <u>Z</u> 08'34	8°24'30		14275 Jun 08 00:01	0° <u>3</u>	
min. Earth dist.	14273 Jan 06 14:02	29° <u>Z</u> 19'40	0.28807 AU		14275 Jul 01 23:37	0° <u>Ω</u>	
morning rise	14273 Jan 10 09:31	26° <u>Z</u> 58'58		evening rise	14275 Jul 08 13:50	8° <u>Ω</u> 15'13	
direct	14273 Jan 27 22:39	21° <u>Z</u> 08'19			14275 Jul 25 22:50	0° <u>III</u>	
greatest brilliancy	14273 Feb 07 08:58	23° <u>Z</u> 07'28	-4.7m	asc. node	14275 Aug 08 18:01	17° <u>III</u> 14'38	
	14273 Feb 20 09:05	0° <u>≈</u>			14275 Aug 18 23:27	0° <u>4</u>	
asc. node	14273 Feb 21 04:35	0° <u>≈</u> 33'04			14275 Sep 12 03:21	0° <u>III</u>	
morning max el	14273 Mar 18 02:06	21° <u>≈</u> 45'27	45°47'30		14275 Oct 06 13:13	0° <u>X</u>	
	14273 Mar 26 07:36	0° <u>X</u>			14275 Oct 31 09:49	0° <u>Z</u>	
	14273 Apr 22 22:23	0° <u>Y</u>			14275 Nov 26 01:50	0° <u>≈</u>	
	14273 May 18 19:01	0° <u>X</u>		desc. node	14275 Nov 28 12:18	2° <u>≈</u> 46'29	
	14273 Jun 12 19:20	0° <u>II</u>			14275 Dec 23 07:35	0° <u>X</u>	
desc. node	14273 Jun 13 05:12	0° <u>II</u> 29'55		evening max el	14276 Jan 07 15:36	15° <u>X</u> 29'23	45°57'49
	14273 Jul 07 07:43	0° <u>3</u>			14276 Jan 23 21:55	0° <u>Y</u>	
	14273 Jul 31 12:58	0° <u>Ω</u>		greatest brilliancy	14276 Feb 15 15:53	13° <u>Y</u> 53'11	-4.8m
	14273 Aug 24 14:35	0° <u>III</u>		retrograde	14276 Feb 25 14:29	15° <u>Y</u> 41'06	
	14273 Sep 17 14:57	0° <u>4</u>		evening set	14276 Mar 11 15:35	11° <u>Y</u> 17'50	

inferior conj	14276 Mar 17 20:40	7° $\Upsilon$ 33'41	-0°40'25	max. Earth dist.	14278 Aug 12 06:51	3° $\mathbb{M}$ 28'28	1.71476 AU
minimum elong	14276 Mar 17 22:11	7° $\Upsilon$ 31'17	0°39'58		14278 Sep 02 10:40	0° $\underline{\mathbb{A}}$	
min. Earth dist.	14276 Mar 18 02:33	7° $\Upsilon$ 24'26	0.28340 AU	asc. node	14278 Sep 05 08:33	3° $\underline{\mathbb{A}}$ 38'51	
asc. node	14276 Mar 20 13:41	5° $\Upsilon$ 52'15		evening rise	14278 Sep 21 04:06	23° $\underline{\mathbb{A}}$ 26'01	
morning rise	14276 Mar 24 04:28	3° $\Upsilon$ 45'14			14278 Sep 26 10:16	0° $\mathbb{M}$	
	14276 Apr 02 14:50	30° $\mathbb{R}$ $\mathbb{H}$			14278 Oct 20 12:22	0° $\mathbb{Z}$	
direct	14276 Apr 08 02:32	29° $\mathbb{H}$ 23'38			14278 Nov 13 18:59	0° $\mathbb{Z}$	
	14276 Apr 13 17:36	0° $\Upsilon$			14278 Dec 08 09:03	0° $\approx$	
greatest brilliancy	14276 Apr 18 18:41	1° $\Upsilon$ 29'34	-4.8m	desc. node	14278 Dec 26 00:08	21° $\approx$ 10'53	
	14276 May 26 19:09	0° $\mathbb{B}$			14279 Jan 02 10:12	0° $\mathbb{H}$	
morning max el	14276 May 27 20:01	1° $\mathbb{B}$ 01'23	46°24'29		14279 Jan 28 03:13	0° $\Upsilon$	
	14276 Jun 24 01:11	0° $\mathbb{H}$			14279 Feb 23 22:07	0° $\mathbb{B}$	
desc. node	14276 Jul 10 16:26	19° $\mathbb{H}$ 02'53		evening max el	14279 Mar 19 17:42	24° $\mathbb{B}$ 42'15	46°04'38
	14276 Jul 20 00:19	0° $\mathbb{B}$			14279 Mar 25 06:52	0° $\mathbb{H}$	
	14276 Aug 14 00:27	0° $\mathbb{Q}$		asc. node	14279 Apr 17 22:51	18° $\mathbb{H}$ 54'19	
	14276 Sep 07 13:41	0° $\mathbb{M}$		greatest brilliancy	14279 Apr 28 10:12	24° $\mathbb{H}$ 02'46	-4.8m
	14276 Oct 01 21:59	0° $\underline{\mathbb{A}}$		retrograde	14279 May 08 05:03	25° $\mathbb{H}$ 50'05	
	14276 Oct 26 04:09	0° $\mathbb{M}$		evening set	14279 May 25 03:38	20° $\mathbb{H}$ 16'54	
asc. node	14276 Oct 31 11:27	6° $\mathbb{M}$ 34'11		inferior conj	14279 May 29 02:11	17° $\mathbb{H}$ 52'22	8°18'11
	14276 Nov 19 09:14	0° $\mathbb{Z}$		minimum elong	14279 May 28 17:47	18° $\mathbb{H}$ 05'26	8°16'05
morning set	14276 Nov 28 22:51	11° $\mathbb{Z}$ 51'50		min. Earth dist.	14279 May 29 04:31	17° $\mathbb{H}$ 48'43	0.27836 AU
	14276 Dec 13 13:57	0° $\mathbb{Z}$		morning rise	14279 Jun 01 07:50	15° $\mathbb{H}$ 52'39	
				direct	14279 Jun 19 01:48	9° $\mathbb{H}$ 48'07	
superior conj	14277 Jan 05 01:32	27° $\mathbb{Z}$ 50'47	1°22'59	greatest brilliancy	14279 Jun 29 02:49	11° $\mathbb{H}$ 42'12	-4.9m
minimum elong	14277 Jan 05 06:49	28° $\mathbb{Z}$ 07'07	1°23'54		14279 Jul 26 08:55	0° $\mathbb{B}$	
	14277 Jan 06 19:20	0° $\approx$		desc. node	14279 Aug 08 02:26	12° $\mathbb{B}$ 05'52	
max. Earth dist.	14277 Jan 06 22:14	0° $\approx$ 08'58	1.72963 AU	morning max el	14279 Aug 08 13:46	12° $\mathbb{B}$ 34'19	46°56'49
	14277 Jan 31 02:29	0° $\mathbb{H}$			14279 Aug 25 03:00	0° $\mathbb{Q}$	
evening rise	14277 Feb 11 11:11	13° $\mathbb{H}$ 59'16			14279 Sep 20 14:53	0° $\mathbb{M}$	
desc. node	14277 Feb 20 01:30	24° $\mathbb{H}$ 33'26			14279 Oct 16 00:56	0° $\underline{\mathbb{A}}$	
	14277 Feb 24 11:50	0° $\Upsilon$			14279 Nov 09 23:33	0° $\mathbb{M}$	
	14277 Mar 20 22:53	0° $\mathbb{B}$		asc. node	14279 Nov 29 00:34	23° $\mathbb{M}$ 07'53	
	14277 Apr 14 11:02	0° $\mathbb{H}$			14279 Dec 04 15:44	0° $\mathbb{Z}$	
	14277 May 09 00:59	0° $\mathbb{B}$			14279 Dec 29 03:40	0° $\mathbb{Z}$	
	14277 Jun 02 19:37	0° $\mathbb{Q}$			14280 Jan 22 12:57	0° $\approx$	
asc. node	14277 Jun 12 17:38	11° $\mathbb{Q}$ 52'48		morning set	14280 Feb 07 02:09	19° $\approx$ 09'46	
	14277 Jun 28 01:02	0° $\mathbb{M}$			14280 Feb 15 21:04	0° $\mathbb{H}$	
	14277 Jul 24 06:09	0° $\underline{\mathbb{A}}$			14280 Mar 11 04:45	0° $\Upsilon$	
evening max el	14277 Aug 14 13:50	22° $\underline{\mathbb{A}}$ 38'41	46°43'09	max. Earth dist.	14280 Mar 14 16:31	4° $\Upsilon$ 18'27	1.73031 AU
	14277 Aug 22 02:42	0° $\mathbb{M}$					
greatest brilliancy	14277 Sep 23 00:40	23° $\mathbb{M}$ 01'04	-4.9m	superior conj	14280 Mar 15 11:27	5° $\Upsilon$ 16'54	0°10'10
desc. node	14277 Oct 02 18:35	25° $\mathbb{M}$ 11'39		minimum elong	14280 Mar 15 13:47	5° $\Upsilon$ 24'06	0°10'03
retrograde	14277 Oct 03 21:32	25° $\mathbb{M}$ 13'09		behind sun begin	14280 Mar 14 19:08	4° $\Upsilon$ 26'32	
evening set	14277 Oct 19 04:03	20° $\mathbb{M}$ 41'30		behind sun end	14280 Mar 16 08:27	6° $\Upsilon$ 21'41	
min. Earth dist.	14277 Oct 24 04:05	17° $\mathbb{M}$ 44'34	0.27598 AU	desc. node	14280 Mar 19 16:06	10° $\Upsilon$ 27'31	
inferior conj	14277 Oct 24 23:22	17° $\mathbb{M}$ 14'55	-5°19'30		14280 Apr 04 11:46	0° $\mathbb{B}$	
minimum elong	14277 Oct 24 13:09	17° $\mathbb{M}$ 30'38	5°16'12	evening rise	14280 Apr 22 19:20	22° $\mathbb{B}$ 39'39	
morning rise	14277 Oct 29 22:43	14° $\mathbb{M}$ 16'50			14280 Apr 28 17:31	0° $\mathbb{H}$	
direct	14277 Nov 14 21:10	9° $\mathbb{M}$ 25'27			14280 May 22 21:58	0° $\mathbb{B}$	
greatest brilliancy	14277 Nov 24 09:48	11° $\mathbb{M}$ 04'21	-4.8m		14280 Jun 16 02:16	0° $\mathbb{Q}$	
	14277 Dec 23 09:55	0° $\mathbb{Z}$		asc. node	14280 Jul 10 06:10	29° $\mathbb{Q}$ 52'41	
morning max el	14278 Jan 02 21:56	9° $\mathbb{Z}$ 40'32	45°53'17		14280 Jul 10 08:33	0° $\mathbb{M}$	
	14278 Jan 22 19:04	0° $\mathbb{Z}$			14280 Aug 03 19:54	0° $\underline{\mathbb{A}}$	
asc. node	14278 Jan 23 21:11	1° $\mathbb{Z}$ 10'00			14280 Aug 28 17:09	0° $\mathbb{M}$	
	14278 Feb 18 18:13	0° $\approx$			14280 Sep 23 10:23	0° $\mathbb{Z}$	
	14278 Mar 16 10:37	0° $\mathbb{H}$			14280 Oct 21 02:42	0° $\mathbb{Z}$	
	14278 Apr 10 11:27	0° $\Upsilon$		evening max el	14280 Oct 25 02:50	4° $\mathbb{Z}$ 00'42	46°21'09
	14278 May 05 02:47	0° $\mathbb{B}$		desc. node	14280 Oct 30 03:54	8° $\mathbb{Z}$ 53'33	
desc. node	14278 May 15 18:28	13° $\mathbb{B}$ 05'17			14280 Nov 26 02:32	0° $\approx$	
	14278 May 29 11:15	0° $\mathbb{H}$		greatest brilliancy	14280 Dec 03 10:49	3° $\approx$ 23'46	-4.8m
	14278 Jun 22 14:28	0° $\mathbb{B}$		retrograde	14280 Dec 13 20:01	5° $\approx$ 21'42	
morning set	14278 Jul 03 12:25	13° $\mathbb{B}$ 37'57			14280 Dec 30 12:58	30° $\mathbb{R}$ $\mathbb{Z}$	
	14278 Jul 16 14:11	0° $\mathbb{Q}$		evening set	14281 Jan 01 02:19	29° $\mathbb{Z}$ 04'19	
	14278 Aug 09 12:22	0° $\mathbb{M}$		inferior conj	14281 Jan 04 06:26	27° $\mathbb{Z}$ 06'21	-8°32'12
				minimum elong	14281 Jan 04 12:02	26° $\mathbb{Z}$ 57'36	8°30'46
superior conj	14278 Aug 12 08:32	3° $\mathbb{M}$ 33'47	-0°54'26	min. Earth dist.	14281 Jan 04 04:10	27° $\mathbb{Z}$ 09'54	0.28796 AU
minimum elong	14278 Aug 12 19:51	4° $\mathbb{M}$ 09'16	0°54'32	morning rise	14281 Jan 07 21:53	24° $\mathbb{Z}$ 51'48	

direct	14281 Jan 25 14:41	18° $\text{Z}$ 56'58			14283 Jul 25 09:46	0° $\text{M}$	
greatest brilliancy	14281 Feb 04 22:28	20° $\text{Z}$ 54'06	-4.7m	asc. node	14283 Aug 07 19:55	16° $\text{M}$ 46'03	
asc. node	14281 Feb 20 06:36	29° $\text{Z}$ 21'46			14283 Aug 18 10:36	0° $\text{L}$	
	14281 Feb 21 03:55	0° $\approx$			14283 Sep 11 14:47	0° $\text{M}$	
morning max el	14281 Mar 15 17:46	19° $\approx$ 33'49	45°46'48		14283 Oct 06 01:05	0° $\text{Z}$	
	14281 Mar 26 02:23	0° $\text{H}$			14283 Oct 30 22:27	0° $\text{Z}$	
	14281 Apr 22 12:47	0° $\text{Y}$			14283 Nov 25 16:03	0° $\approx$	
	14281 May 18 07:41	0° $\text{Z}$		desc. node	14283 Nov 27 14:16	2° $\approx$ 11'12	
desc. node	14281 Jun 12 07:05	29° $\text{Z}$ 59'47			14283 Dec 23 01:37	0° $\text{H}$	
	14281 Jun 12 07:10	0° $\text{L}$		evening max el	14284 Jan 05 05:37	13° $\text{H}$ 13'43	45°58'11
	14281 Jul 06 19:06	0° $\text{Z}$			14284 Jan 24 08:23	0° $\text{Y}$	
	14281 Jul 31 00:05	0° $\text{L}$		greatest brilliancy	14284 Feb 13 07:47	11° $\text{Y}$ 40'59	-4.8m
	14281 Aug 24 01:30	0° $\text{M}$		retrograde	14284 Feb 23 05:15	13° $\text{Y}$ 28'21	
morning set	14281 Sep 15 17:36	28° $\text{M}$ 19'45		evening set	14284 Mar 09 08:14	9° $\text{Y}$ 02'56	
	14281 Sep 17 01:42	0° $\text{L}$		inferior conj	14284 Mar 15 12:12	5° $\text{Y}$ 20'37	-1°01'44
asc. node	14281 Oct 02 23:05	19° $\text{L}$ 51'22		minimum elong	14284 Mar 15 14:32	5° $\text{Y}$ 16'58	1°01'00
	14281 Oct 11 02:00	0° $\text{M}$		min. Earth dist.	14284 Mar 15 18:56	5° $\text{Y}$ 10'03	0.28363 AU
				asc. node	14284 Mar 19 15:39	2° $\text{Y}$ 47'07	
superior conj	14281 Oct 24 18:20	17° $\text{M}$ 04'16	0°49'54	morning rise	14284 Mar 21 20:25	1° $\text{Y}$ 31'26	
minimum elong	14281 Oct 24 08:26	16° $\text{M}$ 33'22	0°50'12		14284 Mar 24 20:17	30° $\text{R}$ $\text{H}$	
max. Earth dist.	14281 Oct 26 21:07	19° $\text{M}$ 42'37	1.72100 AU	direct	14284 Apr 05 17:37	27° $\text{H}$ 10'07	
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	14281 Nov 28 06:21	0° $\text{Z}$			14284 Apr 18 05:57	0° $\text{Y}$	
evening rise	14281 Dec 01 08:32	3° $\text{Z}$ 49'58		morning max el	14284 May 25 10:27	28° $\text{Y}$ 43'57	46°23'07
	14281 Dec 22 12:52	0° $\approx$			14284 May 26 17:02	0° $\text{Z}$	
	14282 Jan 16 00:17	0° $\text{H}$			14284 Jun 23 16:52	0° $\text{L}$	
desc. node	14282 Jan 22 13:16	7° $\text{H}$ 58'02		desc. node	14284 Jul 09 18:31	18° $\text{L}$ 27'55	
	14282 Feb 09 17:33	0° $\text{Y}$			14284 Jul 19 13:46	0° $\text{Z}$	
	14282 Mar 06 17:12	0° $\text{Z}$			14284 Aug 13 12:50	0° $\text{L}$	
	14282 Apr 01 01:11	0° $\text{L}$			14284 Sep 07 01:28	0° $\text{M}$	
	14282 Apr 27 00:32	0° $\text{Z}$			14284 Oct 01 09:23	0° $\text{L}$	
asc. node	14282 May 15 08:33	20° $\text{Z}$ 17'50			14284 Oct 25 15:16	0° $\text{M}$	
	14282 May 24 12:58	0° $\text{L}$		asc. node	14284 Oct 30 13:16	6° $\text{M}$ 05'31	
evening max el	14282 May 31 11:37	7° $\text{L}$ 02'43	46°32'13		14284 Nov 18 20:08	0° $\text{Z}$	
	14282 Jun 27 01:31	0° $\text{M}$		morning set	14284 Nov 26 14:18	9° $\text{Z}$ 37'19	
greatest brilliancy	14282 Jul 10 17:29	7° $\text{M}$ 15'17	-4.9m		14284 Dec 13 00:41	0° $\text{Z}$	
retrograde	14282 Jul 20 10:13	9° $\text{M}$ 00'34					
evening set	14282 Aug 05 11:47	3° $\text{M}$ 59'57		superior conj	14285 Jan 02 18:10	25° $\text{Z}$ 40'45	1°23'51
inferior conj	14282 Aug 10 01:05	1° $\text{M}$ 16'15	6°06'03	minimum elong	14285 Jan 02 22:47	25° $\text{Z}$ 55'03	1°24'48
minimum elong	14282 Aug 10 12:09	0° $\text{M}$ 59'17	6°02'45	max. Earth dist.	14285 Jan 04 14:02	27° $\text{Z}$ 56'26	1.72942 AU
min. Earth dist.	14282 Aug 10 13:32	0° $\text{M}$ 57'10	0.27038 AU		14285 Jan 06 06:00	0° $\approx$	
	14282 Aug 12 03:02	30° $\text{R}$ $\text{L}$			14285 Jan 30 13:12	0° $\text{H}$	
morning rise	14282 Aug 15 12:25	28° $\text{L}$ 01'38		evening rise	14285 Feb 09 03:14	11° $\text{H}$ 47'53	
direct	14282 Aug 30 19:45	23° $\text{L}$ 27'55		desc. node	14285 Feb 19 03:19	24° $\text{H}$ 05'43	
desc. node	14282 Sep 04 11:30	23° $\text{L}$ 53'13			14285 Feb 23 22:42	0° $\text{Y}$	
greatest brilliancy	14282 Sep 09 22:23	25° $\text{L}$ 22'39	-4.9m		14285 Mar 20 10:00	0° $\text{Z}$	
	14282 Sep 19 07:36	0° $\text{M}$			14285 Apr 13 22:30	0° $\text{L}$	
morning max el	14282 Oct 19 22:19	25° $\text{M}$ 32'51	46°36'55		14285 May 08 12:57	0° $\text{Z}$	
	14282 Oct 24 08:56	0° $\text{L}$			14285 Jun 02 08:24	0° $\text{L}$	
	14282 Nov 21 06:56	0° $\text{M}$		asc. node	14285 Jun 11 19:39	11° $\text{L}$ 19'24	
	14282 Dec 17 11:29	0° $\text{Z}$			14285 Jun 27 15:15	0° $\text{M}$	
asc. node	14282 Dec 26 12:37	10° $\text{Z}$ 36'42			14285 Jul 23 23:22	0° $\text{L}$	
	14283 Jan 11 20:41	0° $\text{Z}$		evening max el	14285 Aug 12 03:24	20° $\text{L}$ 16'03	46°43'26
	14283 Feb 05 18:40	0° $\approx$			14285 Aug 22 05:24	0° $\text{M}$	
	14283 Mar 02 09:53	0° $\text{H}$		greatest brilliancy	14285 Sep 20 15:02	20° $\text{M}$ 40'15	-4.9m
	14283 Mar 26 20:52	0° $\text{Y}$		retrograde	14285 Oct 01 11:56	22° $\text{M}$ 52'45	
desc. node	14283 Apr 17 06:30	26° $\text{Y}$ 23'23		desc. node	14285 Oct 01 20:27	22° $\text{M}$ 52'36	
morning set	14283 Apr 18 01:14	27° $\text{Y}$ 21'18		evening set	14285 Oct 16 15:30	18° $\text{M}$ 24'27	
	14283 Apr 20 04:34	0° $\text{Z}$		min. Earth dist.	14285 Oct 21 18:25	15° $\text{M}$ 23'55	0.27550 AU
	14283 May 14 09:08	0° $\text{L}$		inferior conj	14285 Oct 22 13:11	14° $\text{M}$ 55'09	-5°00'53
max. Earth dist.	14283 May 24 03:46	12° $\text{L}$ 10'19	1.72081 AU	minimum elong	14285 Oct 22 03:16	15° $\text{M}$ 10'22	4°57'35
				morning rise	14285 Oct 27 15:31	11° $\text{M}$ 53'17	
superior conj	14283 May 27 10:38	16° $\text{L}$ 16'00	-1°18'37	direct	14285 Nov 12 10:21	7° $\text{M}$ 05'59	
minimum elong	14283 May 27 01:35	15° $\text{L}$ 47'49	1°19'26	greatest brilliancy	14285 Nov 21 23:49	8° $\text{M}$ 45'51	-4.8m
	14283 Jun 07 10:45	0° $\text{Z}$			14285 Dec 23 13:56	0° $\text{Z}$	
	14283 Jul 01 10:25	0° $\text{L}$		morning max el	14285 Dec 31 12:33	7° $\text{Z}$ 24'37	45°54'26
evening rise	14283 Jul 06 01:40	5° $\text{L}$ 48'07		asc. node	14286 Jan 22 23:11	0° $\text{Z}$ 29'37	




































































































































	14286 Jan 22 12:12	0° $\mathfrak{Z}$			14288 Aug 28 06:34	0° $\mathfrak{M}$	
	14286 Feb 18 08:08	0° $\approx$			14288 Sep 23 01:50	0° $\mathfrak{X}$	
	14286 Mar 15 23:07	0° $\mathfrak{H}$			14288 Oct 20 23:38	0° $\mathfrak{Z}$	
	14286 Apr 09 23:12	0° $\mathfrak{Y}$	evening max el		14288 Oct 22 18:38	1° $\mathfrak{Z}$ 46'57	46°22'11
	14286 May 04 14:08	0° $\mathfrak{B}$	desc. node		14288 Oct 29 05:55	8° $\mathfrak{Z}$ 00'42	
desc. node	14286 May 14 20:18	12° $\mathfrak{B}$ 36'19			14288 Nov 28 03:39	0° $\approx$	
	14286 May 28 22:23	0° $\mathfrak{I}$	greatest brilliancy		14288 Dec 01 01:57	1° $\approx$ 11'07	-4.8m
	14286 Jun 22 01:28	0° $\mathfrak{G}$	retrograde		14288 Dec 11 11:49	3° $\approx$ 09'18	
morning set	14286 Jul 01 00:22	11° $\mathfrak{G}$ 10'56			14288 Dec 24 02:40	30° $\mathfrak{R}$ $\mathfrak{Z}$	
	14286 Jul 16 01:06	0° $\mathfrak{Q}$	evening set		14288 Dec 29 19:39	26° $\mathfrak{Z}$ 49'52	
	14286 Aug 08 23:15	0° $\mathfrak{P}$	inferior conj		14289 Jan 01 22:09	24° $\mathfrak{Z}$ 54'12	-8°37'34
			minimum elong		14289 Jan 02 03:01	24° $\mathfrak{Z}$ 46'34	8°36'15
superior conj	14286 Aug 09 20:44	1° $\mathfrak{P}$ 07'21 -0°57'22	min. Earth dist.		14289 Jan 01 18:42	24° $\mathfrak{Z}$ 59'35	0.28783 AU
minimum elong	14286 Aug 10 08:17	1° $\mathfrak{P}$ 43'36 0°57'32	morning rise		14289 Jan 05 10:31	22° $\mathfrak{Z}$ 44'04	
max. Earth dist.	14286 Aug 09 18:07	0° $\mathfrak{P}$ 59'11 1.71472 AU	direct		14289 Jan 23 06:37	16° $\mathfrak{Z}$ 45'29	
	14286 Sep 01 21:33	0° $\mathfrak{L}$	greatest brilliancy		14289 Feb 02 12:20	18° $\mathfrak{Z}$ 40'34	-4.7m
asc. node	14286 Sep 04 10:17	3° $\mathfrak{L}$ 10'14	asc. node		14289 Feb 19 08:31	28° $\mathfrak{Z}$ 11'45	
evening rise	14286 Sep 18 17:48	21° $\mathfrak{L}$ 04'51			14289 Feb 21 18:10	0° $\approx$	
	14286 Sep 25 21:10	0° $\mathfrak{M}$	morning max el		14289 Mar 13 08:47	17° $\approx$ 19'47	45°46'03
	14286 Oct 19 23:23	0° $\mathfrak{X}$			14289 Mar 25 20:58	0° $\mathfrak{H}$	
	14286 Nov 13 06:15	0° $\mathfrak{Z}$			14289 Apr 22 03:17	0° $\mathfrak{Y}$	
	14286 Dec 07 20:45	0° $\approx$			14289 May 17 20:31	0° $\mathfrak{B}$	
desc. node	14286 Dec 25 02:05	20° $\approx$ 40'28	desc. node		14289 Jun 11 09:07	29° $\mathfrak{B}$ 29'27	
	14287 Jan 01 22:40	0° $\mathfrak{H}$			14289 Jun 11 19:10	0° $\mathfrak{I}$	
	14287 Jan 27 17:03	0° $\mathfrak{Y}$			14289 Jul 06 06:40	0° $\mathfrak{G}$	
	14287 Feb 23 14:56	0° $\mathfrak{B}$			14289 Jul 30 11:22	0° $\mathfrak{Q}$	
evening max el	14287 Mar 17 09:15	22° $\mathfrak{B}$ 27'58 46°03'58			14289 Aug 23 12:36	0° $\mathfrak{P}$	
	14287 Mar 25 08:54	0° $\mathfrak{I}$	morning set		14289 Sep 13 06:48	25° $\mathfrak{P}$ 56'45	
asc. node	14287 Apr 17 00:48	17° $\mathfrak{I}$ 29'11			14289 Sep 16 12:39	0° $\mathfrak{L}$	
greatest brilliancy	14287 Apr 25 22:58	21° $\mathfrak{I}$ 42'17 -4.8m	asc. node		14289 Oct 02 00:53	19° $\mathfrak{L}$ 23'01	
retrograde	14287 May 05 19:31	23° $\mathfrak{I}$ 30'33			14289 Oct 10 12:51	0° $\mathfrak{M}$	
evening set	14287 May 22 13:41	18° $\mathfrak{I}$ 03'10					
inferior conj	14287 May 26 16:23	15° $\mathfrak{I}$ 32'15 8°08'05	superior conj		14289 Oct 22 08:52	14° $\mathfrak{M}$ 46'14	0°46'57
minimum elong	14287 May 26 07:27	15° $\mathfrak{I}$ 46'10 8°05'49	minimum elong		14289 Oct 21 23:17	14° $\mathfrak{M}$ 16'18	0°47'11
min. Earth dist.	14287 May 26 17:48	15° $\mathfrak{I}$ 30'03 0.27855 AU	max. Earth dist.		14289 Oct 24 11:44	17° $\mathfrak{M}$ 24'52	1.72063 AU
morning rise	14287 May 30 01:09	13° $\mathfrak{I}$ 27'50			14289 Nov 03 14:00	0° $\mathfrak{X}$	
direct	14287 Jun 16 16:51	7° $\mathfrak{I}$ 27'51			14289 Nov 27 17:07	0° $\mathfrak{Z}$	
greatest brilliancy	14287 Jun 26 16:41	9° $\mathfrak{I}$ 21'12 -4.9m	evening rise		14289 Nov 29 00:27	1° $\mathfrak{Z}$ 37'08	
	14287 Jul 26 13:37	0° $\mathfrak{G}$			14289 Dec 21 23:43	0° $\approx$	
morning max el	14287 Aug 06 05:00	10° $\mathfrak{G}$ 15'39 46°56'30			14290 Jan 15 11:22	0° $\mathfrak{H}$	
desc. node	14287 Aug 07 04:20	11° $\mathfrak{G}$ 14'31	desc. node		14290 Jan 21 15:08	7° $\mathfrak{H}$ 29'43	
	14287 Aug 24 20:46	0° $\mathfrak{Q}$			14290 Feb 09 05:03	0° $\mathfrak{Y}$	
	14287 Sep 20 05:23	0° $\mathfrak{P}$			14290 Mar 06 05:24	0° $\mathfrak{B}$	
	14287 Oct 15 13:53	0° $\mathfrak{L}$			14290 Mar 31 14:32	0° $\mathfrak{I}$	
	14287 Nov 09 11:34	0° $\mathfrak{M}$			14290 Apr 26 16:02	0° $\mathfrak{G}$	
asc. node	14287 Nov 28 02:33	22° $\mathfrak{M}$ 38'42	asc. node		14290 May 14 10:37	19° $\mathfrak{G}$ 34'15	
	14287 Dec 04 03:11	0° $\mathfrak{X}$			14290 May 24 09:47	0° $\mathfrak{Q}$	
	14287 Dec 28 14:45	0° $\mathfrak{Z}$	evening max el		14290 May 29 00:10	4° $\mathfrak{Q}$ 37'55	46°31'14
	14288 Jan 21 23:51	0° $\approx$			14290 Jun 28 07:37	0° $\mathfrak{P}$	
morning set	14288 Feb 04 19:16	17° $\approx$ 01'17	greatest brilliancy		14290 Jul 08 07:57	4° $\mathfrak{P}$ 52'19	-4.9m
	14288 Feb 15 07:52	0° $\mathfrak{H}$	retrograde		14290 Jul 17 22:25	6° $\mathfrak{P}$ 35'53	
	14288 Mar 10 15:31	0° $\mathfrak{Y}$	evening set		14290 Aug 03 04:10	1° $\mathfrak{P}$ 30'22	
max. Earth dist.	14288 Mar 12 11:56	2° $\mathfrak{Y}$ 17'01 1.73046 AU			14290 Aug 05 17:18	30° $\mathfrak{R}$ $\mathfrak{Q}$	
			inferior conj		14290 Aug 07 13:59	28° $\mathfrak{Q}$ 51'39	6°23'47
superior conj	14288 Mar 13 03:04	3° $\mathfrak{Y}$ 03'43 0°13'35	minimum elong		14290 Aug 08 01:08	28° $\mathfrak{Q}$ 34'32	6°20'32
minimum elong	14288 Mar 13 06:09	3° $\mathfrak{Y}$ 13'16 0°13'29	min. Earth dist.		14290 Aug 08 03:25	28° $\mathfrak{Q}$ 31'01	0.27061 AU
behind sun begin	14288 Mar 12 17:19	2° $\mathfrak{Y}$ 33'38	morning rise		14290 Aug 12 21:56	25° $\mathfrak{Q}$ 41'12	
behind sun end	14288 Mar 13 19:00	3° $\mathfrak{Y}$ 52'55	direct		14290 Aug 28 08:13	21° $\mathfrak{Q}$ 02'34	
desc. node	14288 Mar 18 17:50	9° $\mathfrak{Y}$ 59'37	desc. node		14290 Sep 03 13:27	21° $\mathfrak{Q}$ 47'07	
	14288 Apr 03 22:35	0° $\mathfrak{B}$	greatest brilliancy		14290 Sep 07 12:12	22° $\mathfrak{Q}$ 58'08	-4.9m
evening rise	14288 Apr 20 10:08	20° $\mathfrak{B}$ 23'08			14290 Sep 20 14:32	0° $\mathfrak{P}$	
	14288 Apr 28 04:27	0° $\mathfrak{I}$	morning max el		14290 Oct 17 11:06	23° $\mathfrak{P}$ 08'33	46°38'22
	14288 May 22 09:07	0° $\mathfrak{G}$			14290 Oct 24 06:03	0° $\mathfrak{L}$	
	14288 Jun 15 13:42	0° $\mathfrak{Q}$			14290 Nov 20 22:33	0° $\mathfrak{M}$	
asc. node	14288 Jul 09 08:06	29° $\mathfrak{Q}$ 22'12			14290 Dec 17 00:49	0° $\mathfrak{X}$	
	14288 Jul 09 20:23	0° $\mathfrak{P}$	asc. node		14290 Dec 25 14:31	10° $\mathfrak{X}$ 04'30	
	14288 Aug 03 08:19	0° $\mathfrak{L}$			14291 Jan 11 08:48	0° $\mathfrak{Z}$	

	14291 Feb 05 06:06	0°≈			14293 Aug 22 09:42	0°ℓ	
	14291 Mar 01 20:55	0°✕		greatest brilliancy	14293 Sep 18 04:52	18°ℓ18'54	-4.9m
	14291 Mar 26 07:41	0°Υ		retrograde	14293 Sep 29 02:35	20°ℓ32'08	
morning set	14291 Apr 15 15:35	25°Υ04'00		desc. node	14293 Sep 30 22:29	20°ℓ28'03	
desc. node	14291 Apr 16 08:23	25°Υ55'56		evening set	14293 Oct 14 02:59	16°ℓ06'59	
	14291 Apr 19 15:20	0°♂		min. Earth dist.	14293 Oct 19 08:18	13°ℓ03'21	0.27501 AU
	14291 May 13 19:53	0°♂		inferior conj	14293 Oct 20 02:46	12°ℓ35'07	-4°41'34
max. Earth dist.	14291 May 21 15:51	9°♂44'55	1.72123 AU	minimum elong	14293 Oct 19 17:14	12°ℓ49'41	4°38'20
				morning rise	14293 Oct 25 08:01	9°ℓ29'39	
superior conj	14291 May 24 23:45	13°♂53'47	-1°16'55	direct	14293 Nov 09 23:48	4°ℓ46'28	
minimum elong	14291 May 24 14:10	13°♂23'58	1°17'40	greatest brilliancy	14293 Nov 19 13:03	6°ℓ26'38	-4.8m
	14291 Jun 06 21:32	0°☾			14293 Dec 23 16:04	0°♂	
	14291 Jun 30 21:16	0°♂		morning max el	14293 Dec 29 03:37	5°♂10'22	45°55'32
evening rise	14291 Jul 03 13:21	3°♂20'30		asc. node	14294 Jan 22 01:02	29°♂49'58	
	14291 Jul 24 20:44	0°♏			14294 Jan 22 04:45	0°♂	
asc. node	14291 Aug 06 21:38	16°♏16'55			14294 Feb 17 21:41	0°≈	
	14291 Aug 17 21:45	0°♂			14294 Mar 15 11:17	0°✕	
	14291 Sep 11 02:14	0°ℓ			14294 Apr 09 10:38	0°Υ	
	14291 Oct 05 13:00	0°♂			14294 May 04 01:08	0°♂	
	14291 Oct 30 11:12	0°♂		desc. node	14294 May 13 22:16	12°♂08'48	
	14291 Nov 25 06:26	0°≈			14294 May 28 09:09	0°♂	
desc. node	14291 Nov 26 16:18	1°≈35'46			14294 Jun 21 12:08	0°☾	
	14291 Dec 22 20:05	0°✕		morning set	14294 Jun 28 12:16	8°☾44'52	
evening max el	14292 Jan 02 19:49	10°✕58'44	45°58'43		14294 Jul 15 11:45	0°♂	
	14292 Jan 24 22:19	0°Υ					
greatest brilliancy	14292 Feb 10 23:05	9°Υ28'38	-4.8m	superior conj	14294 Aug 07 08:35	28°♂40'35	-1°00'15
retrograde	14292 Feb 20 20:31	11°Υ16'19		minimum elong	14294 Aug 07 20:17	29°♂17'17	1°00'27
evening set	14292 Mar 07 01:03	6°Υ48'20		max. Earth dist.	14294 Aug 07 05:57	28°♂32'20	1.71472 AU
inferior conj	14292 Mar 13 03:46	3°Υ08'04	-1°22'47		14294 Aug 08 09:54	0°♏	
minimum elong	14292 Mar 13 06:53	3°Υ03'12	1°21'47		14294 Sep 01 08:12	0°♂	
min. Earth dist.	14292 Mar 13 11:04	2°Υ56'39	0.28389 AU	asc. node	14294 Sep 03 12:07	2°♂42'36	
	14292 Mar 18 06:56	30°♏		evening rise	14294 Sep 16 06:56	18°♂42'35	
asc. node	14292 Mar 18 17:34	29°♏44'47			14294 Sep 25 07:51	0°ℓ	
morning rise	14292 Mar 19 12:16	29°♏18'40			14294 Oct 19 10:10	0°♂	
direct	14292 Apr 03 08:58	24°♏57'07			14294 Nov 12 17:16	0°♂	
greatest brilliancy	14292 Apr 14 04:24	27°♏05'42	-4.8m		14294 Dec 07 08:13	0°≈	
	14292 Apr 20 10:24	0°Υ		desc. node	14294 Dec 24 03:56	20°≈10'27	
morning max el	14292 May 23 01:50	26°Υ29'17	46°21'34		14295 Jan 01 10:54	0°✕	
	14292 May 26 14:00	0°♂			14295 Jan 27 06:44	0°Υ	
	14292 Jun 23 08:15	0°♂			14295 Feb 23 07:44	0°♂	
desc. node	14292 Jul 08 20:22	17°♂52'37		evening max el	14295 Mar 15 00:58	20°♂15'09	46°03'20
	14292 Jul 19 03:05	0°☾			14295 Mar 25 11:58	0°♂	
	14292 Aug 13 01:06	0°♂		asc. node	14295 Apr 16 02:53	16°♂02'36	
	14292 Sep 06 13:06	0°♏		greatest brilliancy	14295 Apr 23 12:18	19°♂23'53	-4.8m
	14292 Sep 30 20:37	0°♂		retrograde	14295 May 03 09:41	21°♂12'25	
	14292 Oct 25 02:13	0°ℓ		evening set	14295 May 19 23:55	15°♂51'07	
asc. node	14292 Oct 29 15:10	5°ℓ37'40		inferior conj	14295 May 24 06:42	13°♂13'52	7°57'20
	14292 Nov 18 06:52	0°♂		minimum elong	14295 May 23 21:18	13°♂28'34	7°54'54
morning set	14292 Nov 24 05:36	7°♂22'44		min. Earth dist.	14295 May 24 07:24	13°♂12'48	0.27869 AU
	14292 Dec 12 11:17	0°♂		morning rise	14295 May 27 18:37	11°♂04'31	
				direct	14295 Jun 14 07:47	5°♂09'31	
superior conj	14292 Dec 31 10:47	23°♂30'57	1°24'35	greatest brilliancy	14295 Jun 24 06:44	7°♂01'59	-4.9m
minimum elong	14292 Dec 31 14:43	23°♂43'08	1°25'34		14295 Jul 26 16:00	0°☾	
max. Earth dist.	14293 Jan 02 06:55	25°♂47'29	1.72921 AU	morning max el	14295 Aug 03 19:17	7°☾56'00	46°55'55
	14293 Jan 05 16:33	0°≈		desc. node	14295 Aug 06 06:19	10°☾25'35	
	14293 Jan 29 23:48	0°✕			14295 Aug 24 13:43	0°♂	
evening rise	14293 Feb 06 19:22	9°✕37'20			14295 Sep 19 19:23	0°♏	
desc. node	14293 Feb 18 05:05	23°✕38'23			14295 Oct 15 02:26	0°♂	
	14293 Feb 23 09:24	0°Υ			14295 Nov 08 23:15	0°ℓ	
	14293 Mar 19 20:54	0°♂		asc. node	14295 Nov 27 04:25	22°ℓ10'05	
	14293 Apr 13 09:46	0°♂			14295 Dec 03 14:18	0°♂	
	14293 May 08 00:46	0°☾			14295 Dec 28 01:31	0°♂	
	14293 Jun 01 21:05	0°♂			14296 Jan 21 10:23	0°≈	
asc. node	14293 Jun 10 21:32	10°♂45'54		morning set	14296 Feb 02 12:06	14°≈52'58	
	14293 Jun 27 05:29	0°♏			14296 Feb 14 18:18	0°✕	
	14293 Jul 23 16:51	0°♂		max. Earth dist.	14296 Mar 10 05:14	0°Υ10'12	1.73059 AU
evening max el	14293 Aug 09 17:53	17°♂56'05	46°43'45		14296 Mar 10 01:56	0°Υ	

superior conj	14296 Mar 10 18:35	0° $\Upsilon$ 51'22	0°16'59	morning rise	14298 Aug 10 07:23	23° $\Omega$ 22'41	
minimum elong	14296 Mar 10 22:26	1° $\Upsilon$ 03'14	0°16'53	direct	14298 Aug 25 20:44	18° $\Omega$ 38'26	
desc. node	14296 Mar 17 19:44	9° $\Upsilon$ 33'15		desc. node	14298 Sep 02 15:27	19° $\Omega$ 47'25	
	14296 Apr 03 09:03	0° $\mathcal{B}$		greatest brilliancy	14298 Sep 05 02:06	20° $\Omega$ 35'13	-4.9m
evening rise	14296 Apr 18 00:56	18° $\mathcal{B}$ 07'43			14298 Sep 21 12:12	0° $\mathcal{M}$	
	14296 Apr 27 15:02	0° $\Pi$		morning max el	14298 Oct 15 00:30	20° $\mathcal{M}$ 46'56	46°39'50
	14296 May 21 19:53	0° $\mathcal{E}$			14298 Oct 24 01:57	0° $\mathcal{L}$	
	14296 Jun 15 00:43	0° $\Omega$			14298 Nov 20 13:31	0° $\mathcal{M}$	
asc. node	14296 Jul 08 09:53	28° $\Omega$ 52'38			14298 Dec 16 13:43	0° $\mathcal{A}$	
	14296 Jul 09 07:47	0° $\mathcal{M}$		asc. node	14298 Dec 24 16:21	9° $\mathcal{A}$ 33'07	
	14296 Aug 02 20:21	0° $\mathcal{L}$			14299 Jan 10 20:37	0° $\mathcal{B}$	
	14296 Aug 27 19:43	0° $\mathcal{M}$			14299 Feb 04 17:16	0° $\approx$	
	14296 Sep 22 17:12	0° $\mathcal{A}$			14299 Mar 01 07:43	0° $\mathcal{H}$	
evening max el	14296 Oct 20 09:37	29° $\mathcal{A}$ 31'40	46°23'02		14299 Mar 25 18:18	0° $\Upsilon$	
	14296 Oct 20 21:05	0° $\mathcal{B}$		morning set	14299 Apr 13 05:50	22° $\Upsilon$ 47'08	
desc. node	14296 Oct 28 07:58	7° $\mathcal{B}$ 07'25		desc. node	14299 Apr 15 10:12	25° $\Upsilon$ 28'57	
greatest brilliancy	14296 Nov 28 17:24	28° $\mathcal{B}$ 58'55	-4.8m		14299 Apr 19 01:53	0° $\mathcal{B}$	
	14296 Dec 01 23:44	0° $\approx$			14299 May 13 06:26	0° $\Pi$	
retrograde	14296 Dec 09 02:52	0° $\approx$ 56'55		max. Earth dist.	14299 May 19 06:25	7° $\Pi$ 27'59	1.72165 AU
	14296 Dec 16 00:25	30° $\mathcal{R}$ $\mathcal{B}$					
evening set	14296 Dec 27 12:29	24° $\mathcal{B}$ 35'58		superior conj	14299 May 22 12:43	11° $\Pi$ 31'47	-1°15'04
inferior conj	14296 Dec 30 13:39	22° $\mathcal{B}$ 42'15	-8°42'16	minimum elong	14299 May 22 02:40	11° $\Pi$ 00'29	1°15'46
minimum elong	14296 Dec 30 17:45	22° $\mathcal{B}$ 35'48	8°41'00		14299 Jun 06 08:07	0° $\mathcal{E}$	
min. Earth dist.	14296 Dec 30 09:22	22° $\mathcal{B}$ 48'58	0.28767 AU		14299 Jun 30 07:56	0° $\Omega$	
morning rise	14297 Jan 02 23:07	20° $\mathcal{B}$ 36'17		evening rise	14299 Jul 01 01:08	0° $\Omega$ 53'45	
direct	14297 Jan 20 21:52	14° $\mathcal{B}$ 34'08			14299 Jul 24 07:32	0° $\mathcal{M}$	
greatest brilliancy	14297 Jan 31 02:30	16° $\mathcal{B}$ 27'48	-4.7m	asc. node	14299 Aug 05 23:32	15° $\mathcal{M}$ 48'52	
asc. node	14297 Feb 18 10:33	27° $\mathcal{B}$ 04'31			14299 Aug 17 08:44	0° $\mathcal{L}$	
	14297 Feb 22 04:22	0° $\approx$			14299 Sep 10 13:28	0° $\mathcal{M}$	
morning max el	14297 Mar 10 22:47	15° $\approx$ 04'04	45°45'25		14299 Oct 05 00:40	0° $\mathcal{A}$	
	14297 Mar 25 14:43	0° $\mathcal{H}$			14299 Oct 29 23:43	0° $\mathcal{B}$	
	14297 Apr 21 17:16	0° $\Upsilon$			14299 Nov 24 20:43	0° $\approx$	
	14297 May 17 08:56	0° $\mathcal{B}$		desc. node	14299 Nov 25 18:06	1° $\approx$ 00'16	
desc. node	14297 Jun 10 10:53	28° $\mathcal{B}$ 59'27			14299 Dec 22 14:50	0° $\mathcal{H}$	
	14297 Jun 11 06:48	0° $\Pi$		evening max el	14299 Dec 31 10:49	8° $\mathcal{H}$ 46'19	45°59'09
	14297 Jul 05 17:49	0° $\mathcal{E}$			14300 Jan 25 16:54	0° $\Upsilon$	
	14297 Jul 29 22:14	0° $\Omega$		greatest brilliancy	14300 Feb 08 13:51	7° $\Upsilon$ 16'03	-4.8m
	14297 Aug 22 23:15	0° $\mathcal{M}$		retrograde	14300 Feb 18 12:12	9° $\Upsilon$ 04'30	
morning set	14297 Sep 10 20:11	23° $\mathcal{M}$ 35'38		evening set	14300 Mar 05 18:01	4° $\Upsilon$ 33'47	
	14297 Sep 15 23:10	0° $\mathcal{L}$		inferior conj	14300 Mar 11 19:18	0° $\Upsilon$ 55'37	-1°43'49
asc. node	14297 Oct 01 02:47	18° $\mathcal{L}$ 56'12		minimum elong	14300 Mar 11 23:10	0° $\Upsilon$ 49'34	1°42'33
	14297 Oct 09 23:18	0° $\mathcal{M}$		min. Earth dist.	14300 Mar 12 02:51	0° $\Upsilon$ 43'49	0.28416 AU
					14300 Mar 13 06:54	30° $\mathcal{R}$ $\mathcal{H}$	
superior conj	14297 Oct 19 23:26	12° $\mathcal{M}$ 29'25	0°43'54	morning rise	14300 Mar 18 03:56	27° $\mathcal{H}$ 06'23	
minimum elong	14297 Oct 19 14:13	12° $\mathcal{M}$ 00'38	0°44'07	asc. node	14300 Mar 18 19:39	26° $\mathcal{H}$ 45'07	
max. Earth dist.	14297 Oct 22 00:24	15° $\mathcal{M}$ 02'08	1.72033 AU	direct	14300 Apr 02 00:49	22° $\mathcal{H}$ 44'20	
	14297 Nov 03 00:26	0° $\mathcal{A}$		greatest brilliancy	14300 Apr 12 20:48	24° $\mathcal{H}$ 53'50	-4.8m
evening rise	14297 Nov 26 16:12	29° $\mathcal{A}$ 24'42			14300 Apr 22 20:25	0° $\Upsilon$	
	14297 Nov 27 03:35	0° $\mathcal{B}$		morning max el	14300 May 21 17:49	24° $\Upsilon$ 16'28	46°19'58
	14297 Dec 21 10:18	0° $\approx$			14300 May 27 10:10	0° $\mathcal{B}$	
	14298 Jan 14 22:11	0° $\mathcal{H}$			14300 Jun 23 23:18	0° $\Pi$	
desc. node	14298 Jan 20 16:53	7° $\mathcal{H}$ 01'52		desc. node	14300 Jul 08 22:17	17° $\Pi$ 18'03	
	14298 Feb 08 16:18	0° $\Upsilon$			14300 Jul 19 16:11	0° $\mathcal{E}$	
	14298 Mar 05 17:22	0° $\mathcal{B}$			14300 Aug 13 13:13	0° $\Omega$	
	14298 Mar 31 03:43	0° $\Pi$			14300 Sep 07 00:39	0° $\mathcal{M}$	
	14298 Apr 26 07:29	0° $\mathcal{E}$			14300 Oct 01 07:46	0° $\mathcal{L}$	
asc. node	14298 May 13 12:32	18° $\mathcal{E}$ 50'26			14300 Oct 25 13:03	0° $\mathcal{M}$	
	14298 May 24 07:03	0° $\Omega$		asc. node	14300 Oct 29 16:59	5° $\mathcal{M}$ 09'49	
evening max el	14298 May 26 12:20	2° $\Omega$ 13'07	46°30'21		14300 Nov 18 17:28	0° $\mathcal{A}$	
	14298 Jun 30 02:46	0° $\mathcal{M}$		morning set	14300 Nov 22 21:18	5° $\mathcal{A}$ 09'43	
greatest brilliancy	14298 Jul 05 22:13	2° $\mathcal{M}$ 30'10	-4.9m		14300 Dec 12 21:45	0° $\mathcal{B}$	
retrograde	14298 Jul 15 10:51	4° $\mathcal{M}$ 12'44					
	14298 Jul 30 02:49	30° $\mathcal{R}$ $\Omega$		superior conj	14300 Dec 30 03:40	21° $\mathcal{B}$ 22'18	1°25'12
evening set	14298 Jul 31 20:38	29° $\Omega$ 01'51		minimum elong	14300 Dec 30 06:52	21° $\mathcal{B}$ 32'14	1°26'11
inferior conj	14298 Aug 05 02:58	26° $\Omega$ 28'21	6°40'47	max. Earth dist.	14301 Jan 01 02:20	23° $\mathcal{B}$ 46'45	1.72902 AU
minimum elong	14298 Aug 05 14:08	26° $\Omega$ 11'13	6°37'37		14301 Jan 06 03:00	0° $\approx$	
min. Earth dist.	14298 Aug 05 17:18	26° $\Omega$ 06'21	0.27082 AU		14301 Jan 30 10:19	0° $\mathcal{H}$	



evening rise	14301 Feb 05 11:40	7° $\text{H}$ 27'23			14303 Sep 20 09:35	0° $\text{M}$		
desc. node	14301 Feb 18 07:00	23° $\text{H}$ 11'36			14303 Oct 15 15:14	0° $\text{L}$		
	14301 Feb 23 20:06	0° $\text{Y}$			14303 Nov 09 11:14	0° $\text{M}$		
	14301 Mar 20 07:51	0° $\text{B}$		asc. node	14303 Nov 27 06:12	21° $\text{M}$ 40'08		
	14301 Apr 13 21:05	0° $\text{II}$			14303 Dec 04 01:44	0° $\text{J}$		
	14301 May 08 12:40	0° $\text{G}$			14303 Dec 28 12:35	0° $\text{Z}$		
	14301 Jun 02 09:55	0° $\text{Q}$			14304 Jan 21 21:14	0° $\approx$		
asc. node	14301 Jun 10 23:22	10° $\text{Q}$ 11'58		morning set	14304 Feb 01 05:17	12° $\approx$ 44'47		
	14301 Jun 27 19:57	0° $\text{M}$			14304 Feb 15 05:01	0° $\text{H}$		
	14301 Jul 24 10:51	0° $\text{L}$						
evening max el	14301 Aug 08 09:05	15° $\text{L}$ 37'34	46°43'56	superior conj	14304 Mar 09 10:36	28° $\text{H}$ 39'45	0°20'19	
	14301 Aug 23 16:11	0° $\text{M}$		minimum elong	14304 Mar 09 15:09	28° $\text{H}$ 53'48	0°20'13	
greatest brilliancy	14301 Sep 16 18:52	15° $\text{M}$ 57'25	-4.9m	max. Earth dist.	14304 Mar 08 22:15	28° $\text{H}$ 01'41	1.73072 AU	
retrograde	14301 Sep 27 17:17	18° $\text{M}$ 10'49			14304 Mar 10 12:37	0° $\text{Y}$		
desc. node	14301 Oct 01 00:33	17° $\text{M}$ 57'29		desc. node	14304 Mar 17 21:33	9° $\text{Y}$ 05'47		
evening set	14301 Oct 12 14:42	13° $\text{M}$ 48'56			14304 Apr 03 19:49	0° $\text{B}$		
min. Earth dist.	14301 Oct 17 22:09	10° $\text{M}$ 42'17	0.27447 AU	evening rise	14304 Apr 16 16:05	15° $\text{B}$ 52'32		
inferior conj	14301 Oct 18 16:16	10° $\text{M}$ 14'36	-4°21'35		14304 Apr 28 01:59	0° $\text{II}$		
minimum elong	14301 Oct 18 07:13	10° $\text{M}$ 28'26	4°18'27		14304 May 22 07:03	0° $\text{G}$		
morning rise	14301 Oct 24 00:21	7° $\text{M}$ 05'34			14304 Jun 15 12:12	0° $\text{Q}$		
direct	14301 Nov 08 13:31	2° $\text{M}$ 26'42		asc. node	14304 Jul 08 11:48	28° $\text{Q}$ 22'01		
greatest brilliancy	14301 Nov 18 01:52	4° $\text{M}$ 06'35	-4.8m		14304 Jul 09 19:41	0° $\text{M}$		
	14301 Dec 24 16:49	0° $\text{J}$			14304 Aug 03 08:55	0° $\text{L}$		
morning max el	14301 Dec 27 18:15	2° $\text{J}$ 55'07	45°56'45		14304 Aug 28 09:26	0° $\text{M}$		
asc. node	14302 Jan 22 03:05	29° $\text{J}$ 11'17			14304 Sep 23 09:18	0° $\text{J}$		
	14302 Jan 22 20:57	0° $\text{Z}$		evening max el	14304 Oct 18 23:35	27° $\text{J}$ 12'27	46°23'58	
	14302 Feb 18 11:06	0° $\approx$			14304 Oct 21 19:57	0° $\text{Z}$		
	14302 Mar 15 23:27	0° $\text{H}$		desc. node	14304 Oct 28 09:48	6° $\text{Z}$ 11'13		
	14302 Apr 09 22:09	0° $\text{Y}$		greatest brilliancy	14304 Nov 27 08:56	26° $\text{Z}$ 45'28	-4.8m	
	14302 May 04 12:19	0° $\text{B}$		retrograde	14304 Dec 07 17:51	28° $\text{Z}$ 43'31		
desc. node	14302 May 14 00:02	11° $\text{B}$ 40'06		evening set	14304 Dec 26 05:03	22° $\text{Z}$ 21'18		
	14302 May 28 20:07	0° $\text{II}$		inferior conj	14304 Dec 29 05:11	20° $\text{Z}$ 29'13	-8°46'08	
	14302 Jun 21 23:00	0° $\text{G}$		minimum elong	14304 Dec 29 08:31	20° $\text{Z}$ 24'00	8°44'57	
morning set	14302 Jun 27 00:01	6° $\text{G}$ 17'46		min. Earth dist.	14304 Dec 29 00:17	20° $\text{Z}$ 36'55	0.28747 AU	
	14302 Jul 15 22:34	0° $\text{Q}$		morning rise	14305 Jan 01 12:03	18° $\text{Z}$ 27'07		
				direct	14305 Jan 19 12:44	12° $\text{Z}$ 21'34		
superior conj	14302 Aug 05 20:20	26° $\text{Q}$ 12'56	-1°03'00	greatest brilliancy	14305 Jan 29 17:16	14° $\text{Z}$ 14'38	-4.7m	
minimum elong	14302 Aug 06 08:04	26° $\text{Q}$ 49'44	1°03'15	asc. node	14305 Feb 18 12:33	25° $\text{Z}$ 57'59		
max. Earth dist.	14302 Aug 05 16:48	26° $\text{Q}$ 01'53	1.71472 AU		14305 Feb 23 12:12	0° $\approx$		
	14302 Aug 08 20:43	0° $\text{M}$		morning max el	14305 Mar 09 12:47	12° $\approx$ 47'22	45°45'04	
	14302 Sep 01 19:03	0° $\text{L}$			14305 Mar 26 08:22	0° $\text{H}$		
asc. node	14302 Sep 03 14:00	2° $\text{L}$ 14'31			14305 Apr 22 07:25	0° $\text{Y}$		
evening rise	14302 Sep 14 19:57	16° $\text{L}$ 19'12			14305 May 17 21:37	0° $\text{B}$		
	14302 Sep 25 18:45	0° $\text{M}$		desc. node	14305 Jun 10 12:47	28° $\text{B}$ 28'48		
	14302 Oct 19 21:12	0° $\text{J}$			14305 Jun 11 18:45	0° $\text{II}$		
	14302 Nov 13 04:31	0° $\text{Z}$			14305 Jul 06 05:23	0° $\text{G}$		
	14302 Dec 07 19:53	0° $\approx$			14305 Jul 30 09:33	0° $\text{Q}$		
desc. node	14302 Dec 24 05:49	19° $\approx$ 40'05			14305 Aug 23 10:23	0° $\text{M}$		
	14303 Jan 01 23:21	0° $\text{H}$		morning set	14305 Sep 09 09:06	21° $\text{M}$ 11'24		
	14303 Jan 27 20:42	0° $\text{Y}$			14305 Sep 16 10:10	0° $\text{L}$		
	14303 Feb 24 01:04	0° $\text{B}$		asc. node	14305 Oct 01 04:32	18° $\text{L}$ 27'27		
evening max el	14303 Mar 13 15:55	17° $\text{B}$ 59'51	46°02'30		14305 Oct 10 10:13	0° $\text{M}$		
	14303 Mar 26 17:11	0° $\text{II}$						
asc. node	14303 Apr 16 04:47	14° $\text{II}$ 31'44		superior conj	14305 Oct 18 13:36	10° $\text{M}$ 09'53	0°40'44	
greatest brilliancy	14303 Apr 22 02:13	17° $\text{II}$ 05'17	-4.8m	minimum elong	14305 Oct 18 04:49	9° $\text{M}$ 42'27	0°40'57	
retrograde	14303 May 01 23:18	18° $\text{II}$ 53'26		max. Earth dist.	14305 Oct 20 11:34	12° $\text{M}$ 33'17	1.72001 AU	
evening set	14303 May 18 10:14	13° $\text{II}$ 38'07			14305 Nov 03 11:19	0° $\text{J}$		
inferior conj	14303 May 22 21:04	10° $\text{II}$ 54'42	7°45'39	evening rise	14305 Nov 25 07:48	27° $\text{J}$ 10'27		
minimum elong	14303 May 22 11:17	11° $\text{II}$ 10'01	7°43'04		14305 Nov 27 14:29	0° $\text{Z}$		
min. Earth dist.	14303 May 22 21:28	10° $\text{II}$ 54'03	0.27887 AU		14305 Dec 21 21:19	0° $\approx$		
morning rise	14303 May 26 12:14	8° $\text{II}$ 40'12			14306 Jan 15 09:28	0° $\text{H}$		
direct	14303 Jun 12 22:23	2° $\text{II}$ 50'11		desc. node	14306 Jan 20 18:51	6° $\text{H}$ 33'22		
greatest brilliancy	14303 Jun 22 21:34	4° $\text{II}$ 42'29	-4.9m		14306 Feb 09 04:01	0° $\text{Y}$		
	14303 Jul 27 17:28	0° $\text{G}$			14306 Mar 06 05:47	0° $\text{B}$		
morning max el	14303 Aug 02 08:30	5° $\text{G}$ 32'29	46°55'21		14306 Mar 31 17:20	0° $\text{II}$		
desc. node	14303 Aug 06 08:22	9° $\text{G}$ 36'29			14306 Apr 26 23:31	0° $\text{G}$		
	14303 Aug 25 06:42	0° $\text{Q}$		asc. node	14306 May 13 14:25	18° $\text{G}$ 04'59		

evening max el	14306 May 25 00:39	29°  47'49	46°29'20	asc. node	14308 Oct 28 18:47	4°  41'11	
	14306 May 25 05:34	0° 			14308 Nov 18 04:20	0° 	
	14306 Jul 04 05:06	0° 		morning set	14308 Nov 20 12:30	2°  54'17	
greatest brilliancy	14306 Jul 04 11:31	0°  05'35	-4.9m		14308 Dec 12 08:30	0° 	
retrograde	14306 Jul 13 23:38	1°  48'04					
	14306 Jul 23 09:50	30°  47'00		superior conj	14308 Dec 27 20:01	19°  31'08	1°25'40
evening set	14306 Jul 30 12:59	26°  31'21		minimum elong	14308 Dec 27 22:28	19°  31'44	1°26'42
inferior conj	14306 Aug 03 15:48	24°  03'05	6°56'59	max. Earth dist.	14308 Dec 29 21:50	21°  34'52	1.72878 AU
minimum elong	14306 Aug 04 02:54	23°  04'04	6°53'54		14309 Jan 05 13:42	0° 	
min. Earth dist.	14306 Aug 04 06:40	23°  04'18	0.27114 AU		14309 Jan 29 21:04	0° 	
morning rise	14306 Aug 08 16:34	21°  02'42		evening rise	14309 Feb 03 03:32	5°  15'22	
direct	14306 Aug 24 09:32	16°  02'15		desc. node	14309 Feb 17 08:47	22°  14'46	
desc. node	14306 Sep 02 17:27	17°  05'31			14309 Feb 23 07:00	0° 	
greatest brilliancy	14306 Sep 03 15:37	18°  00'00	-4.9m		14309 Mar 19 19:00	0° 	
	14306 Sep 23 05:10	0° 			14309 Apr 13 08:37	0° 	
morning max el	14306 Oct 13 14:44	18°  25'36	46°41'17		14309 May 08 00:46	0° 	
	14306 Oct 24 21:55	0° 			14309 Jun 01 22:56	0° 	
	14306 Nov 21 04:50	0° 		asc. node	14309 Jun 10 01:23	9°  38'08	
	14306 Dec 17 03:00	0° 			14309 Jun 27 10:37	0° 	
asc. node	14306 Dec 24 18:22	9°  01'03			14309 Jul 24 05:14	0° 	
	14307 Jan 11 08:47	0° 		evening max el	14309 Aug 06 00:18	13°  19'19	46°44'03
	14307 Feb 05 04:48	0° 			14309 Aug 24 01:02	0° 	
	14307 Mar 01 18:52	0° 		greatest brilliancy	14309 Sep 14 09:16	13°  36'37	-4.9m
	14307 Mar 26 05:16	0° 		retrograde	14309 Sep 25 07:34	15°  49'27	
morning set	14307 Apr 11 20:32	20°  30'43		desc. node	14309 Sep 30 02:23	15°  49'30	
desc. node	14307 Apr 15 11:58	25°  00'49		evening set	14309 Oct 10 02:42	11°  30'46	
	14307 Apr 19 12:44	0° 		min. Earth dist.	14309 Oct 15 12:13	8°  21'01	0.27399 AU
	14307 May 13 17:15	0° 		inferior conj	14309 Oct 16 05:49	7°  54'07	-4°01'05
max. Earth dist.	14307 May 17 22:55	5°  16'14	1.72202 AU	minimum elong	14309 Oct 15 21:18	8°  07'08	3°58'06
				morning rise	14309 Oct 21 16:34	4°  41'28	
superior conj	14307 May 21 02:08	9°  12'22	-1°13'06	direct	14309 Nov 06 03:22	0°  07'00	
minimum elong	14307 May 20 15:42	8°  37'51	1°13'45	greatest brilliancy	14309 Nov 15 14:57	1°  46'26	-4.8m
	14307 Jun 06 18:58	0° 			14309 Dec 24 16:33	0° 	
evening rise	14307 Jun 29 13:23	28°  27'46		morning max el	14309 Dec 25 08:04	0°  37'21	45°57'48
	14307 Jun 30 18:53	0° 		asc. node	14310 Jan 21 05:03	28°  32'17	
	14307 Jul 24 18:38	0° 			14310 Jan 22 13:01	0° 	
asc. node	14307 Aug 06 01:25	15°  19'52			14310 Feb 18 00:33	0° 	
	14307 Aug 17 20:03	0° 			14310 Mar 15 11:39	0° 	
	14307 Sep 11 01:06	0° 			14310 Apr 09 09:40	0° 	
	14307 Oct 05 12:49	0° 			14310 May 03 23:27	0° 	
	14307 Oct 30 12:46	0° 		desc. node	14310 May 13 01:52	11°  11'39	
	14307 Nov 25 11:40	0° 			14310 May 28 07:03	0° 	
desc. node	14307 Nov 25 20:05	0°  23'38			14310 Jun 21 09:49	0° 	
	14307 Dec 23 10:38	0° 		morning set	14310 Jun 24 11:51	3°  51'06	
evening max el	14307 Dec 30 02:25	6°  34'11	45°59'43		14310 Jul 15 09:20	0° 	
	14308 Jan 27 19:09	0° 					
greatest brilliancy	14308 Feb 07 04:22	5°  02'13	-4.8m	superior conj	14310 Aug 03 08:27	23°  04'46	-1°05'37
retrograde	14308 Feb 17 03:58	6°  05'12		minimum elong	14310 Aug 03 20:07	24°  02'22	1°05'55
evening set	14308 Mar 03 11:06	2°  18'01		max. Earth dist.	14310 Aug 03 01:03	23°  02'35	1.71467 AU
	14308 Mar 07 08:36	30°  48'00			14310 Aug 08 07:27	0° 	
inferior conj	14308 Mar 09 10:44	28°  41'57	-2°04'44		14310 Sep 01 05:45	0° 	
minimum elong	14308 Mar 09 15:20	28°  43'44	2°03'12	asc. node	14310 Sep 02 15:44	1°  46'24	
min. Earth dist.	14308 Mar 09 18:14	28°  43'12	0.28439 AU	evening rise	14310 Sep 12 09:12	13°  46'59	
morning rise	14308 Mar 15 19:17	24°  43'09			14310 Sep 25 05:29	0° 	
asc. node	14308 Mar 17 21:35	23°  47'37			14310 Oct 19 08:04	0° 	
direct	14308 Mar 30 16:56	20°  43'35			14310 Nov 12 15:40	0° 	
greatest brilliancy	14308 Apr 10 12:27	22°  40'08	-4.8m		14310 Dec 07 07:31	0° 	
	14308 Apr 23 20:58	0° 		desc. node	14310 Dec 23 07:44	19°  09'50	
morning max el	14308 May 19 09:57	22°  03'28	46°18'31		14311 Jan 01 11:50	0° 	
	14308 May 27 05:56	0° 			14311 Jan 27 10:47	0° 	
	14308 Jun 23 14:19	0° 			14311 Feb 23 18:48	0° 	
desc. node	14308 Jul 08 00:19	16°  43'31		evening max el	14311 Mar 11 05:52	15°  42'16	46°01'48
	14308 Jul 19 05:19	0° 			14311 Mar 27 00:34	0° 	
	14308 Aug 13 01:25	0° 		asc. node	14311 Apr 15 06:44	12°  57'49	
	14308 Sep 06 12:19	0° 		greatest brilliancy	14311 Apr 19 16:25	14°  47'14	-4.8m
	14308 Sep 30 19:05	0° 		retrograde	14311 Apr 29 12:42	16°  43'55	
	14308 Oct 25 00:07	0° 		evening set	14311 May 15 20:33	11°  42'19	

inferior conj	14311 May 20 11:24	8° $\Pi$ 36'00	7°33'10	evening rise	14313 Nov 22 23:39	24° $\text{X}$ 58'19	
minimum elong	14311 May 20 01:16	8° $\Pi$ 51'53	7°30'27		14313 Nov 27 00:57	0° $\text{Z}$	
min. Earth dist.	14311 May 20 11:47	8° $\Pi$ 35'24	0.27903 AU		14313 Dec 21 07:52	0° $\approx$	
morning rise	14311 May 24 05:52	6° $\Pi$ 16'21			14314 Jan 14 20:17	0° $\text{X}$	
direct	14311 Jun 10 12:28	0° $\Pi$ 31'10		desc. node	14314 Jan 19 20:40	6° $\text{X}$ 05'48	
greatest brilliancy	14311 Jun 20 12:53	2° $\Pi$ 24'04	-4.9m		14314 Feb 08 15:19	0° $\Upsilon$	
	14311 Jul 27 17:27	0° $\text{S}$			14314 Mar 05 17:52	0° $\text{B}$	
morning max el	14311 Jul 30 21:19	3° $\text{S}$ 08'28	46°54'54		14314 Mar 31 06:45	0° $\Pi$	
desc. node	14311 Aug 05 10:15	8° $\text{S}$ 48'22			14314 Apr 26 15:31	0° $\text{S}$	
	14311 Aug 24 23:07	0° $\Omega$		asc. node	14314 May 12 16:29	17° $\text{S}$ 20'09	
	14311 Sep 19 23:20	0° $\text{M}$		evening max el	14314 May 22 13:48	27° $\text{S}$ 25'42	46°28'27
	14311 Oct 15 03:38	0° $\text{L}$			14314 May 25 04:41	0° $\Omega$	
	14311 Nov 08 22:49	0° $\text{M}$		greatest brilliancy	14314 Jul 02 00:15	27° $\Omega$ 41'30	-4.9m
asc. node	14311 Nov 26 08:11	21° $\text{M}$ 11'57		retrograde	14314 Jul 11 12:55	29° $\Omega$ 24'22	
	14311 Dec 03 12:49	0° $\text{X}$		evening set	14314 Jul 28 05:21	24° $\Omega$ 01'50	
	14311 Dec 27 23:21	0° $\text{Z}$		inferior conj	14314 Aug 01 04:34	21° $\Omega$ 38'45	7°12'20
	14312 Jan 21 07:49	0° $\approx$		minimum elong	14314 Aug 01 15:32	21° $\Omega$ 21'58	7°09'23
morning set	14312 Jan 29 22:13	10° $\approx$ 36'31		min. Earth dist.	14314 Aug 01 19:30	21° $\Omega$ 15'53	0.27142 AU
	14312 Feb 14 15:30	0° $\text{X}$		morning rise	14314 Aug 06 01:30	18° $\Omega$ 43'59	
max. Earth dist.	14312 Mar 06 14:31	25° $\text{X}$ 51'28	1.73087 AU	direct	14314 Aug 21 22:48	13° $\Omega$ 47'13	
				greatest brilliancy	14314 Sep 01 04:23	15° $\Omega$ 45'07	-4.9m
superior conj	14312 Mar 07 02:21	26° $\text{X}$ 27'57	0°23'39	desc. node	14314 Sep 01 19:25	15° $\Omega$ 59'15	
minimum elong	14312 Mar 07 07:35	26° $\text{X}$ 44'07	0°23'33		14314 Sep 23 17:18	0° $\text{M}$	
	14312 Mar 09 23:06	0° $\Upsilon$		morning max el	14314 Oct 11 05:34	16° $\text{M}$ 07'00	46°42'39
desc. node	14312 Mar 16 23:16	8° $\Upsilon$ 38'41			14314 Oct 24 16:49	0° $\text{L}$	
	14312 Apr 03 06:23	0° $\text{B}$			14314 Nov 20 19:28	0° $\text{M}$	
evening rise	14312 Apr 14 06:58	13° $\text{B}$ 37'19			14314 Dec 16 15:42	0° $\text{X}$	
	14312 Apr 27 12:41	0° $\Pi$		asc. node	14314 Dec 23 20:14	8° $\text{X}$ 30'03	
	14312 May 21 17:59	0° $\text{S}$			14315 Jan 10 20:25	0° $\text{Z}$	
	14312 Jun 14 23:25	0° $\Omega$			14315 Feb 04 15:48	0° $\approx$	
asc. node	14312 Jul 07 13:41	27° $\Omega$ 52'06			14315 Mar 01 05:33	0° $\text{X}$	
	14312 Jul 09 07:20	0° $\text{M}$			14315 Mar 25 15:47	0° $\Upsilon$	
	14312 Aug 02 21:14	0° $\text{L}$		morning set	14315 Apr 09 11:25	18° $\Upsilon$ 16'06	
	14312 Aug 27 22:56	0° $\text{M}$		desc. node	14315 Apr 14 13:52	24° $\Upsilon$ 34'17	
	14312 Sep 23 01:13	0° $\text{X}$			14315 Apr 18 23:13	0° $\text{B}$	
evening max el	14312 Oct 16 13:11	24° $\text{X}$ 53'40	46°25'06		14315 May 13 03:45	0° $\Pi$	
	14312 Oct 21 19:13	0° $\text{Z}$		max. Earth dist.	14315 May 15 14:02	3° $\Pi$ 01'11	1.72242 AU
desc. node	14312 Oct 27 11:50	5° $\text{Z}$ 15'46					
greatest brilliancy	14312 Nov 25 00:02	24° $\text{Z}$ 33'05	-4.8m	superior conj	14315 May 18 15:23	6° $\Pi$ 49'25	-1°10'59
retrograde	14312 Dec 05 09:16	26° $\text{Z}$ 32'03		minimum elong	14315 May 18 04:39	6° $\Pi$ 16'02	1°11'36
evening set	14312 Dec 23 21:16	20° $\text{Z}$ 08'53			14315 Jun 06 05:31	0° $\text{S}$	
inferior conj	14312 Dec 26 20:51	18° $\text{Z}$ 17'52	-8°49'04	evening rise	14315 Jun 27 01:16	26° $\text{S}$ 01'35	
minimum elong	14312 Dec 26 23:21	18° $\text{Z}$ 13'57	8°47'58		14315 Jun 30 05:31	0° $\Omega$	
min. Earth dist.	14312 Dec 26 15:08	18° $\text{Z}$ 26'49	0.28732 AU		14315 Jul 24 05:25	0° $\text{M}$	
morning rise	14312 Dec 30 01:30	16° $\text{Z}$ 19'14		asc. node	14315 Aug 05 03:08	14° $\text{M}$ 51'22	
direct	14313 Jan 17 03:38	10° $\text{Z}$ 10'30			14315 Aug 17 07:02	0° $\text{L}$	
greatest brilliancy	14313 Jan 27 08:25	12° $\text{Z}$ 03'29	-4.7m		14315 Sep 10 12:23	0° $\text{M}$	
asc. node	14313 Feb 17 14:29	24° $\text{Z}$ 54'18			14315 Oct 05 00:37	0° $\text{X}$	
	14313 Feb 23 17:10	0° $\approx$			14315 Oct 30 01:31	0° $\text{Z}$	
morning max el	14313 Mar 07 03:26	10° $\approx$ 33'19	45°44'34	desc. node	14315 Nov 24 22:05	29° $\text{Z}$ 48'03	
	14313 Mar 26 01:17	0° $\text{X}$			14315 Nov 25 02:21	0° $\approx$	
	14313 Apr 21 21:07	0° $\Upsilon$			14315 Dec 23 06:31	0° $\text{X}$	
	14313 May 17 09:55	0° $\text{B}$		evening max el	14315 Dec 27 18:37	4° $\text{X}$ 24'59	46°00'22
desc. node	14313 Jun 09 14:48	27° $\text{B}$ 59'31			14316 Jan 29 07:05	0° $\Upsilon$	
	14313 Jun 11 06:20	0° $\Pi$		greatest brilliancy	14316 Feb 04 19:32	2° $\Upsilon$ 51'11	-4.8m
	14313 Jul 05 16:33	0° $\text{S}$		retrograde	14316 Feb 14 19:47	4° $\Upsilon$ 40'23	
	14313 Jul 29 20:27	0° $\Omega$		evening set	14316 Mar 01 04:37	0° $\Upsilon$ 04'33	
	14313 Aug 22 21:07	0° $\text{M}$			14316 Mar 01 07:53	30° $\text{R}$ $\text{X}$	
morning set	14313 Sep 06 21:56	18° $\text{M}$ 48'05		inferior conj	14316 Mar 07 02:26	26° $\text{X}$ 30'35	-2°25'08
	14313 Sep 15 20:47	0° $\text{L}$		minimum elong	14316 Mar 07 07:44	26° $\text{X}$ 22'16	2°23'22
asc. node	14313 Sep 30 06:21	18° $\text{L}$ 00'06		min. Earth dist.	14316 Mar 07 09:49	26° $\text{X}$ 19'01	0.28462 AU
	14313 Oct 09 20:45	0° $\text{M}$		morning rise	14316 Mar 13 10:41	22° $\text{X}$ 42'17	
				asc. node	14316 Mar 16 23:33	20° $\text{X}$ 56'17	
superior conj	14313 Oct 16 03:47	7° $\text{M}$ 51'38	0°37'31	direct	14316 Mar 28 09:27	18° $\text{X}$ 19'20	
minimum elong	14313 Oct 15 19:30	7° $\text{M}$ 25'45	0°37'41	greatest brilliancy	14316 Apr 08 03:53	20° $\text{X}$ 28'07	-4.8m
max. Earth dist.	14313 Oct 17 22:35	10° $\text{M}$ 05'14	1.71969 AU		14316 Apr 24 14:06	0° $\Upsilon$	
	14313 Nov 02 21:47	0° $\text{X}$		morning max el	14316 May 17 01:35	19° $\Upsilon$ 50'37	46°16'46

	14316 May 27 00:41	0°♄		desc. node	14318 Dec 22 09:35	18°♊39'21	
	14316 Jun 23 04:50	0°♊			14319 Jan 01 00:20	0°♋	
desc. node	14316 Jul 07 02:09	16°♊09'22			14319 Jan 27 00:58	0°♌	
	14316 Jul 18 18:08	0°♎			14319 Feb 23 12:51	0°♍	
	14316 Aug 12 13:22	0°♏		evening max el	14319 Mar 08 19:32	13°♌24'30	46°01'16
	14316 Sep 05 23:44	0°♐			14319 Mar 27 10:26	0°♑	
	14316 Sep 30 06:07	0°♒		asc. node	14319 Apr 14 08:50	11°♑21'27	
	14316 Oct 24 10:52	0°♓		greatest brilliancy	14319 Apr 17 06:45	12°♑30'15	-4.8m
asc. node	14316 Oct 27 20:41	4°♓13'52		retrograde	14319 Apr 27 02:38	14°♑17'58	
	14316 Nov 17 14:53	0°♈		evening set	14319 May 13 07:15	9°♑13'29	
morning set	14316 Nov 18 03:41	0°♈39'45		inferior conj	14319 May 18 02:03	6°♑18'41	7°20'06
	14316 Dec 11 18:56	0°♉		minimum elong	14319 May 17 15:38	6°♑35'00	7°17'14
				min. Earth dist.	14319 May 18 02:25	6°♑18'07	0.27919 AU
superior conj	14316 Dec 25 12:35	17°♊01'32	1°26'02	morning rise	14319 May 21 23:49	3°♑54'03	
minimum elong	14316 Dec 25 14:17	17°♊06'48	1°27'04		14319 May 29 18:31	30°♋	
max. Earth dist.	14316 Dec 27 16:54	19°♊43'33	1.72850 AU	direct	14319 Jun 08 02:34	28°♋13'23	
	14317 Jan 05 00:06	0°♌			14319 Jun 17 20:23	0°♌	
	14317 Jan 29 07:32	0°♋		greatest brilliancy	14319 Jun 18 04:37	0°♌07'19	-4.9m
evening rise	14317 Jan 31 19:41	3°♋05'10			14319 Jul 27 16:12	0°♍	
desc. node	14317 Feb 16 10:33	22°♋16'56		morning max el	14319 Jul 28 10:51	0°♍46'42	46°54'16
	14317 Feb 22 17:35	0°♌		desc. node	14319 Aug 04 12:15	8°♍01'35	
	14317 Mar 19 05:49	0°♍			14319 Aug 24 15:12	0°♎	
	14317 Apr 12 19:50	0°♊			14319 Sep 19 13:02	0°♏	
	14317 May 07 12:37	0°♎			14319 Oct 14 16:07	0°♒	
	14317 Jun 01 11:49	0°♏			14319 Nov 08 10:33	0°♓	
asc. node	14317 Jun 09 03:15	9°♏04'18		asc. node	14319 Nov 25 10:02	20°♓42'50	
	14317 Jun 27 01:20	0°♐			14319 Dec 03 00:03	0°♈	
	14317 Jul 24 00:04	0°♒			14319 Dec 27 10:15	0°♉	
evening max el	14317 Aug 03 14:49	10°♒59'16	46°44'00		14320 Jan 20 18:29	0°♊	
	14317 Aug 24 13:03	0°♓		morning set	14320 Jan 27 15:04	8°♊27'40	
greatest brilliancy	14317 Sep 12 00:20	11°♓16'19	-4.9m		14320 Feb 14 02:04	0°♋	
retrograde	14317 Sep 22 21:17	13°♓27'39					
desc. node	14317 Sep 29 04:27	12°♓39'22		superior conj	14320 Mar 04 18:14	24°♋16'18	0°26'55
evening set	14317 Oct 07 14:47	9°♓12'02		minimum elong	14320 Mar 05 00:08	24°♋34'29	0°26'51
min. Earth dist.	14317 Oct 13 02:34	5°♓58'57	0.27348 AU	max. Earth dist.	14320 Mar 04 08:47	23°♋47'08	1.73101 AU
inferior conj	14317 Oct 13 19:13	5°♓33'27	-3°40'07		14320 Mar 09 09:41	0°♌	
minimum elong	14317 Oct 13 11:17	5°♓45'35	3°37'15	desc. node	14320 Mar 16 01:12	8°♌11'56	
morning rise	14317 Oct 19 08:28	2°♓17'13			14320 Apr 02 17:03	0°♍	
	14317 Oct 24 02:11	30°♋		evening rise	14320 Apr 11 22:15	11°♋23'08	
direct	14317 Nov 03 16:36	27°♒47'07			14320 Apr 26 23:30	0°♑	
greatest brilliancy	14317 Nov 13 04:17	29°♒26'28	-4.8m		14320 May 21 04:59	0°♎	
	14317 Nov 14 17:39	0°♓			14320 Jun 14 10:42	0°♏	
morning max el	14317 Dec 22 20:53	28°♓17'32	45°59'01	asc. node	14320 Jul 06 15:30	27°♏21'46	
	14317 Dec 24 15:03	0°♈			14320 Jul 08 19:04	0°♐	
asc. node	14318 Jan 20 06:55	27°♈54'02			14320 Aug 02 09:42	0°♒	
	14318 Jan 22 04:36	0°♉			14320 Aug 27 12:43	0°♓	
	14318 Feb 17 13:39	0°♊			14320 Sep 22 17:43	0°♈	
	14318 Mar 14 23:33	0°♋		evening max el	14320 Oct 14 03:18	22°♈35'08	46°26'02
	14318 Apr 08 20:56	0°♌			14320 Oct 21 20:08	0°♉	
	14318 May 03 10:21	0°♍		desc. node	14320 Oct 26 13:52	4°♉17'47	
desc. node	14318 May 12 03:49	10°♉44'18		greatest brilliancy	14320 Nov 22 14:28	22°♉18'20	-4.8m
	14318 May 27 17:46	0°♊		retrograde	14320 Dec 03 01:00	24°♉18'50	
	14318 Jun 20 20:28	0°♋		evening set	14320 Dec 21 12:53	17°♉55'10	
morning set	14318 Jun 21 23:53	1°♋25'32		min. Earth dist.	14320 Dec 24 05:28	16°♉15'18	0.28712 AU
	14318 Jul 14 20:00	0°♌		inferior conj	14320 Dec 24 12:15	16°♉04'43	-8°51'17
				minimum elong	14320 Dec 24 13:55	16°♉02'06	8°50'13
superior conj	14318 Jul 31 20:28	21°♏20'32	-1°08'06	morning rise	14320 Dec 27 15:01	14°♉09'11	
minimum elong	14318 Aug 01 07:59	21°♏56'40	1°08'28	direct	14321 Jan 14 18:28	7°♉57'40	
max. Earth dist.	14318 Jul 31 06:29	20°♏36'42	1.71474 AU	greatest brilliancy	14321 Jan 24 22:57	9°♉50'26	-4.8m
	14318 Aug 07 18:07	0°♐		asc. node	14321 Feb 16 16:31	23°♉51'22	
	14318 Aug 31 16:27	0°♒			14321 Feb 23 20:41	0°♊	
asc. node	14318 Sep 01 17:36	1°♒18'44		morning max el	14321 Mar 04 18:44	8°♊20'07	45°44'17
evening rise	14318 Sep 09 21:54	11°♒32'58			14321 Mar 25 18:07	0°♋	
	14318 Sep 24 16:15	0°♓			14321 Apr 21 10:54	0°♌	
	14318 Oct 18 18:59	0°♈			14321 May 16 22:22	0°♍	
	14318 Nov 12 02:50	0°♉		desc. node	14321 Jun 08 16:33	27°♉28'56	
	14318 Dec 06 19:09	0°♊			14321 Jun 10 18:05	0°♑	

	14321 Jul 05 03:53	0°☿		retrograde	14324 Feb 12 10:58	2°♁27'17	
	14321 Jul 29 07:31	0°♁			14324 Feb 23 13:37	30°♁	
	14321 Aug 22 08:01	0°♁		evening set	14324 Feb 27 22:07	27°♁49'00	
morning set	14321 Sep 04 11:10	16°♁25'25		inferior conj	14324 Mar 04 17:58	24°♁17'22	-2°45'27
	14321 Sep 15 07:35	0°♁		minimum elong	14324 Mar 04 23:57	24°♁07'59	2°43'29
asc. node	14321 Sep 29 08:15	17°♁32'26		min. Earth dist.	14324 Mar 05 01:34	24°♁05'27	0.28485 AU
	14321 Oct 09 07:30	0°♁		morning rise	14324 Mar 11 01:39	20°♁29'37	
				asc. node	14324 Mar 16 01:37	18°♁06'38	
superior conj	14321 Oct 13 18:00	5°♁32'38	0°34'14	direct	14324 Mar 26 01:29	16°♁06'15	
minimum elong	14321 Oct 13 10:16	5°♁08'27	0°34'23	greatest brilliancy	14324 Apr 05 19:21	18°♁14'18	-4.8m
max. Earth dist.	14321 Oct 15 11:32	7°♁42'18	1.71946 AU		14324 Apr 25 03:33	0°♁	
	14321 Nov 02 08:32	0°♁		morning max el	14324 May 14 16:12	17°♁33'46	46°15'09
evening rise	14321 Nov 20 15:25	22°♁44'52			14324 May 26 19:25	0°♁	
	14321 Nov 26 11:44	0°♁			14324 Jun 22 19:33	0°♁	
	14321 Dec 20 18:49	0°♁		desc. node	14324 Jul 06 04:07	15°♁34'42	
	14322 Jan 14 07:30	0°♁			14324 Jul 18 07:13	0°♁	
desc. node	14322 Jan 18 22:28	5°♁37'01			14324 Aug 12 01:35	0°♁	
	14322 Feb 08 03:01	0°♁			14324 Sep 05 11:26	0°♁	
	14322 Mar 05 06:21	0°♁			14324 Sep 29 17:28	0°♁	
	14322 Mar 30 20:35	0°♁			14324 Oct 23 21:55	0°♁	
	14322 Apr 26 08:07	0°♁		asc. node	14324 Oct 26 22:29	3°♁45'12	
asc. node	14322 May 11 18:23	16°♁33'25		morning set	14324 Nov 15 19:05	28°♁24'51	
evening max el	14322 May 20 04:07	25°♁05'51	46°27'34		14324 Nov 17 01:44	0°♁	
	14322 May 25 05:13	0°♁			14324 Dec 11 05:40	0°♁	
greatest brilliancy	14322 Jun 29 13:06	25°♁17'26	-4.9m				
retrograde	14322 Jul 09 02:32	27°♁00'33		superior conj	14324 Dec 23 05:21	14°♁51'36	1°26'15
evening set	14322 Jul 25 21:59	21°♁32'31		minimum elong	14324 Dec 23 06:16	14°♁54'27	1°27'18
inferior conj	14322 Jul 29 17:36	19°♁14'26	7°26'49	max. Earth dist.	14324 Dec 25 10:58	17°♁37'39	1.72825 AU
minimum elong	14322 Jul 30 04:19	18°♁58'01	7°24'02		14325 Jan 04 10:51	0°♁	
min. Earth dist.	14322 Jul 30 08:17	18°♁51'57	0.27168 AU		14325 Jan 28 18:21	0°♁	
morning rise	14322 Aug 03 10:32	16°♁25'26		evening rise	14325 Jan 29 11:50	0°♁53'49	
direct	14322 Aug 19 12:38	11°♁22'32		desc. node	14325 Feb 15 12:30	21°♁49'22	
greatest brilliancy	14322 Aug 29 16:46	13°♁19'38	-4.9m		14325 Feb 22 04:35	0°♁	
desc. node	14322 Aug 31 21:26	14°♁12'12			14325 Mar 18 17:06	0°♁	
	14322 Sep 24 02:24	0°♁			14325 Apr 12 07:31	0°♁	
morning max el	14322 Oct 08 20:23	13°♁47'57	46°43'52		14325 May 07 00:57	0°♁	
	14322 Oct 24 11:24	0°♁			14325 Jun 01 01:10	0°♁	
	14322 Nov 20 10:11	0°♁		asc. node	14325 Jun 08 05:06	8°♁29'06	
	14322 Dec 16 04:38	0°♁			14325 Jun 26 16:36	0°♁	
asc. node	14322 Dec 22 22:05	7°♁58'00			14325 Jul 23 19:48	0°♁	
	14323 Jan 10 08:24	0°♁		evening max el	14325 Aug 01 04:18	8°♁35'35	46°43'56
	14323 Feb 04 03:13	0°♁			14325 Aug 25 05:45	0°♁	
	14323 Feb 28 16:38	0°♁		greatest brilliancy	14325 Sep 09 15:49	8°♁55'24	-4.9m
	14323 Mar 25 02:42	0°♁		retrograde	14325 Sep 20 10:39	11°♁04'53	
morning set	14323 Apr 07 02:15	16°♁00'19		desc. node	14325 Sep 28 06:30	9°♁50'36	
desc. node	14323 Apr 13 15:42	24°♁06'26		evening set	14325 Oct 05 03:03	6°♁51'46	
	14323 Apr 18 10:03	0°♁		min. Earth dist.	14325 Oct 10 17:18	3°♁35'18	0.27300 AU
	14323 May 12 14:35	0°♁		inferior conj	14325 Oct 11 08:37	3°♁11'50	-3°18'32
max. Earth dist.	14323 May 13 04:12	0°♁42'19	1.72279 AU	minimum elong	14325 Oct 11 01:21	3°♁22'57	3°15'52
					14325 Oct 16 18:28	30°♁	
superior conj	14323 May 16 04:40	4°♁27'40	-1°08'46	morning rise	14325 Oct 17 00:15	29°♁52'06	
minimum elong	14323 May 15 17:44	3°♁53'40	1°09'19	direct	14325 Nov 01 05:13	25°♁26'01	
	14323 Jun 05 16:25	0°♁		greatest brilliancy	14325 Nov 10 18:14	27°♁06'01	-4.8m
evening rise	14323 Jun 24 13:18	23°♁34'48			14325 Nov 17 11:23	0°♁	
	14323 Jun 29 16:31	0°♁		morning max el	14325 Dec 20 09:23	25°♁55'52	46°00'25
	14323 Jul 23 16:34	0°♁			14325 Dec 24 13:00	0°♁	
asc. node	14323 Aug 04 05:03	14°♁22'23		asc. node	14326 Jan 19 08:58	27°♁15'48	
	14323 Aug 16 18:22	0°♁			14326 Jan 21 20:14	0°♁	
	14323 Sep 10 00:01	0°♁			14326 Feb 17 02:57	0°♁	
	14323 Oct 04 12:46	0°♁			14326 Mar 14 11:44	0°♁	
	14323 Oct 29 14:41	0°♁			14326 Apr 08 08:32	0°♁	
desc. node	14323 Nov 23 23:54	29°♁10'31			14326 May 02 21:37	0°♁	
	14323 Nov 24 17:39	0°♁		desc. node	14326 May 11 05:36	10°♁15'16	
	14323 Dec 23 03:38	0°♁			14326 May 27 04:51	0°♁	
evening max el	14323 Dec 25 10:29	2°♁13'28	46°00'43	morning set	14326 Jun 19 11:35	28°♁57'56	
	14324 Jan 31 17:24	0°♁			14326 Jun 20 07:28	0°♁	
greatest brilliancy	14324 Feb 02 11:11	0°♁38'52	-4.8m		14326 Jul 14 06:56	0°♁	

max. Earth dist.	14326 Jul 28 12:16	17° $\Omega$ 50'07	1.71480 AU	min. Earth dist.	14328 Dec 21 19:25	14° $\mathfrak{Z}$ 03'52	0.28689 AU
				morning rise	14328 Dec 25 04:49	11° $\mathfrak{Z}$ 58'12	
superior conj	14326 Jul 29 08:19	18° $\Omega$ 52'59	-1°10'28	direct	14329 Jan 12 09:40	5° $\mathfrak{Z}$ 44'36	
minimum elong	14326 Jul 29 19:36	19° $\Omega$ 28'23	1°10'53	greatest brilliancy	14329 Jan 22 12:45	7° $\mathfrak{Z}$ 36'31	-4.8m
	14326 Aug 07 05:02	0° $\mathfrak{M}$		asc. node	14329 Feb 15 18:31	22° $\mathfrak{Z}$ 49'57	
	14326 Aug 31 03:23	0° $\Omega$			14329 Feb 23 22:36	0° $\approx$	
asc. node	14326 Aug 31 19:27	0° $\Omega$ 50'17		morning max el	14329 Mar 02 10:42	6° $\approx$ 08'46	45°44'04
evening rise	14326 Sep 07 10:32	9° $\Omega$ 08'01			14329 Mar 25 10:32	0° $\mathfrak{H}$	
	14326 Sep 24 03:17	0° $\mathfrak{M}$			14329 Apr 21 00:28	0° $\mathfrak{Y}$	
	14326 Oct 18 06:10	0° $\mathfrak{A}$			14329 May 16 10:41	0° $\mathfrak{B}$	
	14326 Nov 11 14:17	0° $\mathfrak{Z}$		desc. node	14329 Jun 07 18:29	26° $\mathfrak{B}$ 59'10	
	14326 Dec 06 07:04	0° $\approx$			14329 Jun 10 05:45	0° $\mathfrak{H}$	
desc. node	14326 Dec 21 11:30	18° $\approx$ 08'18			14329 Jul 04 15:10	0° $\mathfrak{G}$	
	14326 Dec 31 13:07	0° $\mathfrak{H}$			14329 Jul 28 18:34	0° $\Omega$	
	14327 Jan 26 15:32	0° $\mathfrak{Y}$			14329 Aug 21 18:55	0° $\mathfrak{M}$	
	14327 Feb 23 07:40	0° $\mathfrak{B}$		morning set	14329 Sep 01 23:57	14° $\mathfrak{M}$ 01'20	
evening max el	14327 Mar 06 09:14	11° $\mathfrak{B}$ 06'14	46°00'39		14329 Sep 14 18:23	0° $\Omega$	
	14327 Mar 28 00:18	0° $\mathfrak{H}$		asc. node	14329 Sep 28 09:59	17° $\Omega$ 04'21	
asc. node	14327 Apr 13 10:42	9° $\mathfrak{H}$ 39'57			14329 Oct 08 18:12	0° $\mathfrak{M}$	
greatest brilliancy	14327 Apr 14 20:23	10° $\mathfrak{H}$ 11'20	-4.8m				
retrograde	14327 Apr 24 16:46	11° $\mathfrak{H}$ 59'44		superior conj	14329 Oct 11 07:44	3° $\mathfrak{M}$ 12'14	0°30'50
evening set	14327 May 10 17:51	6° $\mathfrak{H}$ 59'54		minimum elong	14329 Oct 11 00:37	2° $\mathfrak{M}$ 49'59	0°30'58
inferior conj	14327 May 15 16:29	3° $\mathfrak{H}$ 59'53	7°06'10	max. Earth dist.	14329 Oct 13 02:11	5° $\mathfrak{M}$ 24'47	1.71916 AU
minimum elong	14327 May 15 05:52	4° $\mathfrak{H}$ 16'29	7°03'10		14329 Nov 01 19:10	0° $\mathfrak{A}$	
min. Earth dist.	14327 May 15 16:44	3° $\mathfrak{H}$ 59'29	0.27939 AU	evening rise	14329 Nov 18 06:58	20° $\mathfrak{A}$ 31'05	
morning rise	14327 May 19 17:41	1° $\mathfrak{H}$ 30'18			14329 Nov 25 22:25	0° $\mathfrak{Z}$	
	14327 May 22 09:10	30° $\mathfrak{K}$ $\mathfrak{B}$			14329 Dec 20 05:38	0° $\approx$	
direct	14327 Jun 05 16:48	25° $\mathfrak{B}$ 54'00			14330 Jan 13 18:37	0° $\mathfrak{H}$	
greatest brilliancy	14327 Jun 15 20:10	27° $\mathfrak{B}$ 49'10	-4.9m	desc. node	14330 Jan 18 00:25	5° $\mathfrak{H}$ 09'03	
	14327 Jun 20 20:24	0° $\mathfrak{H}$			14330 Feb 07 14:37	0° $\mathfrak{Y}$	
morning max el	14327 Jul 26 01:18	28° $\mathfrak{H}$ 26'23	46°53'42		14330 Mar 04 18:44	0° $\mathfrak{B}$	
	14327 Jul 27 14:25	0° $\mathfrak{G}$			14330 Mar 30 10:21	0° $\mathfrak{H}$	
desc. node	14327 Aug 03 14:19	7° $\mathfrak{G}$ 14'45			14330 Apr 26 00:47	0° $\mathfrak{G}$	
	14327 Aug 24 07:16	0° $\Omega$		asc. node	14330 May 10 20:19	15° $\mathfrak{G}$ 46'39	
	14327 Sep 19 02:46	0° $\mathfrak{M}$		evening max el	14330 May 17 18:33	22° $\mathfrak{G}$ 46'58	46°26'32
	14327 Oct 14 04:39	0° $\Omega$			14330 May 25 06:47	0° $\Omega$	
	14327 Nov 07 22:21	0° $\mathfrak{M}$		greatest brilliancy	14330 Jun 27 02:01	22° $\Omega$ 53'55	-4.9m
asc. node	14327 Nov 24 11:49	20° $\mathfrak{M}$ 13'16		retrograde	14330 Jul 06 15:41	24° $\Omega$ 36'41	
	14327 Dec 02 11:23	0° $\mathfrak{A}$		evening set	14330 Jul 23 14:31	19° $\Omega$ 03'25	
	14327 Dec 26 21:14	0° $\mathfrak{Z}$		inferior conj	14330 Jul 27 06:31	16° $\Omega$ 50'14	7°40'33
	14328 Jan 20 05:16	0° $\approx$		minimum elong	14330 Jul 27 16:55	16° $\Omega$ 34'15	7°37'53
morning set	14328 Jan 25 08:06	6° $\approx$ 18'56		min. Earth dist.	14330 Jul 27 21:00	16° $\Omega$ 27'59	0.27198 AU
	14328 Feb 13 12:44	0° $\mathfrak{H}$		morning rise	14330 Jul 31 19:14	14° $\Omega$ 06'59	
				direct	14330 Aug 17 02:18	8° $\Omega$ 57'59	
superior conj	14328 Mar 02 10:17	22° $\mathfrak{H}$ 04'50	0°30'08	greatest brilliancy	14330 Aug 27 05:10	10° $\Omega$ 54'03	-4.9m
minimum elong	14328 Mar 02 16:47	22° $\mathfrak{H}$ 24'55	0°30'04	desc. node	14330 Aug 30 23:26	12° $\Omega$ 29'09	
max. Earth dist.	14328 Mar 02 05:13	21° $\mathfrak{H}$ 49'12	1.73112 AU		14330 Sep 24 08:57	0° $\mathfrak{M}$	
	14328 Mar 08 20:21	0° $\mathfrak{Y}$		morning max el	14330 Oct 06 10:32	11° $\mathfrak{M}$ 27'13	46°45'01
desc. node	14328 Mar 15 03:00	7° $\mathfrak{Y}$ 44'34			14330 Oct 24 05:26	0° $\Omega$	
	14328 Apr 02 03:48	0° $\mathfrak{B}$			14330 Nov 20 00:33	0° $\mathfrak{M}$	
evening rise	14328 Apr 09 13:39	9° $\mathfrak{B}$ 09'06			14330 Dec 15 17:16	0° $\mathfrak{A}$	
	14328 Apr 26 10:25	0° $\mathfrak{H}$		asc. node	14330 Dec 22 00:08	7° $\mathfrak{A}$ 27'23	
	14328 May 20 16:08	0° $\mathfrak{G}$			14331 Jan 09 20:03	0° $\mathfrak{Z}$	
	14328 Jun 13 22:10	0° $\Omega$			14331 Feb 03 14:20	0° $\approx$	
asc. node	14328 Jul 05 17:25	26° $\Omega$ 51'11			14331 Feb 28 03:26	0° $\mathfrak{H}$	
	14328 Jul 08 07:00	0° $\mathfrak{M}$			14331 Mar 24 13:20	0° $\mathfrak{Y}$	
	14328 Aug 01 22:24	0° $\Omega$		morning set	14331 Apr 04 17:19	13° $\mathfrak{Y}$ 46'06	
	14328 Aug 27 02:44	0° $\mathfrak{M}$		desc. node	14331 Apr 12 17:27	23° $\mathfrak{Y}$ 39'17	
	14328 Sep 22 10:36	0° $\mathfrak{A}$			14331 Apr 17 20:36	0° $\mathfrak{B}$	
evening max el	14328 Oct 11 18:09	20° $\mathfrak{A}$ 18'21	46°27'07	max. Earth dist.	14331 May 10 16:36	28° $\mathfrak{B}$ 19'01	1.72313 AU
	14328 Oct 21 22:26	0° $\mathfrak{Z}$			14331 May 12 01:06	0° $\mathfrak{H}$	
desc. node	14328 Oct 25 15:43	3° $\mathfrak{Z}$ 18'00					
greatest brilliancy	14328 Nov 20 04:24	20° $\mathfrak{Z}$ 02'54	-4.8m	superior conj	14331 May 13 18:18	2° $\mathfrak{H}$ 08'04	-1°06'27
retrograde	14328 Nov 30 17:02	22° $\mathfrak{Z}$ 05'18		minimum elong	14331 May 13 07:14	1° $\mathfrak{H}$ 33'39	1°06'57
evening set	14328 Dec 19 04:04	15° $\mathfrak{Z}$ 41'40			14331 Jun 05 02:58	0° $\mathfrak{G}$	
inferior conj	14328 Dec 22 03:33	13° $\mathfrak{Z}$ 51'12	-8°52'45	evening rise	14331 Jun 22 01:37	21° $\mathfrak{G}$ 09'56	
minimum elong	14328 Dec 22 04:24	13° $\mathfrak{Z}$ 49'53	8°51'41		14331 Jun 29 03:12	0° $\Omega$	

	14331 Jul 23 03:24	0°♍			14333 Dec 24 09:40	0°♊		
asc. node	14331 Aug 03 06:55	13°♍54'13		asc. node	14334 Jan 18 10:54	26°♊38'43		
	14331 Aug 16 05:27	0°♌			14334 Jan 21 11:13	0°♊		
	14331 Sep 09 11:26	0°♍			14334 Feb 16 15:45	0°♋		
	14331 Oct 04 00:45	0°♊			14334 Mar 13 23:27	0°♌		
	14331 Oct 29 03:42	0°♊			14334 Apr 07 19:38	0°♍		
desc. node	14331 Nov 23 01:55	28°♊34'01			14334 May 02 08:24	0°♎		
	14331 Nov 24 08:53	0°♋		desc. node	14334 May 10 07:26	9°♎47'52		
evening max el	14331 Dec 23 01:32	0°♌00'53	46°01'16		14334 May 26 15:29	0°♏		
	14331 Dec 23 01:10	0°♌		morning set	14334 Jun 16 23:20	26°♏31'49		
greatest brilliancy	14332 Jan 31 03:19	28°♌28'22	-4.8m		14334 Jun 19 18:02	0°♐		
	14332 Feb 06 08:36	0°♍			14334 Jul 13 17:28	0°♑		
retrograde	14332 Feb 10 01:51	0°♍15'45		max. Earth dist.	14334 Jul 25 19:56	15°♑10'42	1.71487 AU	
	14332 Feb 13 17:23	30°♌						
evening set	14332 Feb 25 15:48	25°♌34'40		superior conj	14334 Jul 26 20:20	16°♑27'13	-1°12'41	
inferior conj	14332 Mar 02 09:39	22°♌05'45	-3°05'28	minimum elong	14334 Jul 27 07:18	17°♑01'37	1°13'10	
minimum elong	14332 Mar 02 16:16	21°♌55'21	3°03'17		14334 Aug 06 15:33	0°♍		
min. Earth dist.	14332 Mar 02 17:41	21°♌53'06	0.28506 AU	asc. node	14334 Aug 30 21:11	0°♌22'48		
morning rise	14332 Mar 08 16:32	18°♌18'40			14334 Aug 30 13:54	0°♌		
asc. node	14332 Mar 15 03:33	15°♌22'58		evening rise	14334 Sep 04 23:24	6°♌45'14		
direct	14332 Mar 23 17:04	13°♌54'34			14334 Sep 23 13:52	0°♍		
greatest brilliancy	14332 Apr 03 11:23	16°♌02'25	-4.8m		14334 Oct 17 16:54	0°♊		
	14332 Apr 25 12:56	0°♍			14334 Nov 11 01:18	0°♊		
morning max el	14332 May 12 06:27	15°♍17'11	46°13'40		14334 Dec 05 18:35	0°♋		
	14332 May 26 13:13	0°♎		desc. node	14334 Dec 20 13:25	17°♋38'21		
	14332 Jun 22 09:39	0°♏			14334 Dec 31 01:36	0°♌		
desc. node	14332 Jul 05 06:07	15°♏01'39			14335 Jan 26 05:53	0°♍		
	14332 Jul 17 19:45	0°♐			14335 Feb 23 02:34	0°♎		
	14332 Aug 11 13:19	0°♑		evening max el	14335 Mar 03 23:56	8°♎51'47	46°00'15	
	14332 Sep 04 22:41	0°♍			14335 Mar 28 18:11	0°♏		
	14332 Sep 29 04:23	0°♌		greatest brilliancy	14335 Apr 12 09:37	7°♏53'30	-4.8m	
	14332 Oct 23 08:36	0°♍		asc. node	14335 Apr 12 12:41	7°♏56'11		
asc. node	14332 Oct 26 00:18	3°♍17'43		retrograde	14335 Apr 22 07:25	9°♏43'09		
morning set	14332 Nov 13 10:10	26°♍09'58		evening set	14335 May 08 04:45	4°♏47'40		
	14332 Nov 16 12:15	0°♊		inferior conj	14335 May 13 07:01	1°♏42'35	6°51'30	
	14332 Dec 10 16:05	0°♊		minimum elong	14335 May 12 20:18	1°♏59'19	6°48'25	
				min. Earth dist.	14335 May 13 06:51	1°♏42'51	0.27958 AU	
superior conj	14332 Dec 20 21:52	12°♊41'58	1°26'21		14335 May 16 01:11	30°♌		
minimum elong	14332 Dec 20 21:59	12°♊42'21	1°27'23	morning rise	14335 May 17 11:38	29°♌08'10		
max. Earth dist.	14332 Dec 23 02:35	15°♊25'17	1.72796 AU	direct	14335 Jun 03 07:44	23°♌36'17		
	14333 Jan 03 21:13	0°♋		greatest brilliancy	14335 Jun 13 11:19	25°♌32'06	-4.8m	
evening rise	14333 Jan 27 03:49	28°♋43'10			14335 Jun 22 14:19	0°♏		
	14333 Jan 28 04:47	0°♌		morning max el	14335 Jul 23 16:46	26°♏09'56	46°52'59	
desc. node	14333 Feb 14 14:16	21°♌22'29			14335 Jul 27 11:21	0°♐		
	14333 Feb 21 15:10	0°♍		desc. node	14335 Aug 02 16:11	6°♐29'16		
	14333 Mar 18 03:58	0°♎			14335 Aug 23 22:40	0°♑		
	14333 Apr 11 18:50	0°♏			14335 Sep 18 16:01	0°♍		
	14333 May 06 12:55	0°♐			14335 Oct 13 16:44	0°♌		
	14333 May 31 14:12	0°♑			14335 Nov 07 09:44	0°♍		
asc. node	14333 Jun 07 07:08	7°♑55'31		asc. node	14335 Nov 23 13:49	19°♍45'33		
	14333 Jun 26 07:35	0°♍			14335 Dec 01 22:18	0°♊		
	14333 Jul 23 15:32	0°♌			14335 Dec 26 07:51	0°♊		
evening max el	14333 Jul 29 17:13	6°♌12'08	46°43'55		14336 Jan 19 15:42	0°♋		
	14333 Aug 26 03:11	0°♍		morning set	14336 Jan 23 01:11	4°♋11'22		
greatest brilliancy	14333 Sep 07 07:03	6°♍35'47	-4.9m		14336 Feb 12 23:07	0°♌		
retrograde	14333 Sep 18 00:01	8°♍44'02						
desc. node	14333 Sep 27 08:21	6°♍58'28		superior conj	14336 Feb 29 02:16	19°♌54'02	0°33'19	
evening set	14333 Oct 02 15:33	4°♍32'37		minimum elong	14336 Feb 29 09:20	20°♌15'52	0°33'16	
inferior conj	14333 Oct 08 22:05	0°♍51'53	-2°56'33	max. Earth dist.	14336 Feb 29 02:10	19°♌53'43	1.73121 AU	
minimum elong	14333 Oct 08 15:32	1°♍01'56	2°54'07		14336 Mar 08 06:44	0°♍		
min. Earth dist.	14333 Oct 08 08:11	1°♍13'11	0.27260 AU	desc. node	14336 Mar 14 04:45	7°♍17'53		
	14333 Oct 10 08:04	30°♌			14336 Apr 01 14:18	0°♎		
morning rise	14333 Oct 14 15:59	27°♌28'58		evening rise	14336 Apr 07 04:55	6°♎55'36		
direct	14333 Oct 29 17:40	23°♌06'13			14336 Apr 25 21:04	0°♏		
greatest brilliancy	14333 Nov 08 08:39	24°♌47'34	-4.8m		14336 May 20 03:01	0°♐		
	14333 Nov 19 03:09	0°♍			14336 Jun 13 09:23	0°♑		
morning max el	14333 Dec 17 22:38	23°♍37'08	46°01'47	asc. node	14336 Jul 04 19:18	26°♑21'06		

	14336 Jul 07 18:45	0° $\mathfrak{M}$			14339 Mar 24 00:03	0° $\Upsilon$	
	14336 Aug 01 10:57	0° $\mathfrak{L}$		morning set	14339 Apr 02 08:31	11° $\Upsilon$ 31'57	
	14336 Aug 26 16:41	0° $\mathfrak{M}$		desc. node	14339 Apr 11 19:21	23° $\Upsilon$ 12'11	
	14336 Sep 22 03:34	0° $\mathfrak{A}$			14339 Apr 17 07:17	0° $\mathfrak{B}$	
evening max el	14336 Oct 09 10:03	18° $\mathfrak{A}$ 04'54	46°28'14	max. Earth dist.	14339 May 08 04:12	25° $\mathfrak{B}$ 52'41	1.72355 AU
	14336 Oct 22 01:56	0° $\mathfrak{B}$					
desc. node	14336 Oct 24 17:47	2° $\mathfrak{B}$ 18'08		superior conj	14339 May 11 07:57	29° $\mathfrak{B}$ 48'00	-1°03'59
greatest brilliancy	14336 Nov 17 18:28	17° $\mathfrak{B}$ 48'43	-4.8m	minimum elong	14339 May 10 20:50	29° $\mathfrak{B}$ 13'27	1°04'28
retrograde	14336 Nov 28 09:14	19° $\mathfrak{B}$ 52'43			14339 May 11 11:49	0° $\mathfrak{I}$	
evening set	14336 Dec 16 18:57	13° $\mathfrak{B}$ 29'59			14339 Jun 04 13:46	0° $\mathfrak{G}$	
inferior conj	14336 Dec 19 18:56	11° $\mathfrak{B}$ 38'46	-8°53'21	evening rise	14339 Jun 19 13:45	18° $\mathfrak{G}$ 43'54	
minimum elong	14336 Dec 19 18:57	11° $\mathfrak{B}$ 38'44	8°52'18		14339 Jun 28 14:06	0° $\mathfrak{Q}$	
min. Earth dist.	14336 Dec 19 09:18	11° $\mathfrak{B}$ 53'46	0.28661 AU		14339 Jul 22 14:29	0° $\mathfrak{M}$	
morning rise	14336 Dec 22 19:04	9° $\mathfrak{B}$ 47'37		asc. node	14339 Aug 02 08:38	13° $\mathfrak{M}$ 24'48	
direct	14337 Jan 10 01:22	3° $\mathfrak{B}$ 32'53			14339 Aug 15 16:45	0° $\mathfrak{L}$	
greatest brilliancy	14337 Jan 20 02:07	5° $\mathfrak{B}$ 23'09	-4.8m		14339 Sep 08 23:05	0° $\mathfrak{M}$	
asc. node	14337 Feb 14 20:26	21° $\mathfrak{B}$ 50'39			14339 Oct 03 13:01	0° $\mathfrak{A}$	
	14337 Feb 23 22:51	0° $\approx$			14339 Oct 28 17:06	0° $\mathfrak{B}$	
morning max el	14337 Feb 28 02:38	3° $\approx$ 58'06	45°43'41	desc. node	14339 Nov 22 03:52	27° $\mathfrak{B}$ 56'10	
	14337 Mar 25 02:28	0° $\mathfrak{H}$			14339 Nov 24 00:41	0° $\approx$	
	14337 Apr 20 13:48	0° $\Upsilon$		evening max el	14339 Dec 20 15:49	27° $\approx$ 45'35	46°01'53
	14337 May 15 22:49	0° $\mathfrak{B}$			14339 Dec 22 23:56	0° $\mathfrak{H}$	
desc. node	14337 Jun 06 20:28	26° $\mathfrak{B}$ 30'02		greatest brilliancy	14340 Jan 28 19:29	26° $\mathfrak{H}$ 17'12	-4.8m
	14337 Jun 09 17:15	0° $\mathfrak{I}$		retrograde	14340 Feb 07 16:41	28° $\mathfrak{H}$ 03'50	
	14337 Jul 04 02:18	0° $\mathfrak{G}$		evening set	14340 Feb 23 09:37	23° $\mathfrak{H}$ 19'29	
	14337 Jul 28 05:29	0° $\mathfrak{Q}$		inferior conj	14340 Feb 29 01:22	19° $\mathfrak{H}$ 53'42	-3°25'01
	14337 Aug 21 05:42	0° $\mathfrak{M}$		minimum elong	14340 Feb 29 08:35	19° $\mathfrak{H}$ 42'22	3°22'40
morning set	14337 Aug 30 12:42	11° $\mathfrak{M}$ 37'29		min. Earth dist.	14340 Feb 29 10:02	19° $\mathfrak{H}$ 40'05	0.28528 AU
	14337 Sep 14 05:05	0° $\mathfrak{L}$		morning rise	14340 Mar 06 07:16	16° $\mathfrak{H}$ 07'38	
asc. node	14337 Sep 27 11:50	16° $\mathfrak{L}$ 36'48		asc. node	14340 Mar 14 05:30	12° $\mathfrak{H}$ 43'27	
	14337 Oct 08 04:51	0° $\mathfrak{M}$		direct	14340 Mar 21 08:23	11° $\mathfrak{H}$ 42'17	
				greatest brilliancy	14340 Apr 01 03:54	13° $\mathfrak{H}$ 50'41	-4.8m
superior conj	14337 Oct 08 21:26	0° $\mathfrak{M}$ 51'49	0°27'22		14340 Apr 25 19:56	0° $\Upsilon$	
minimum elong	14337 Oct 08 15:00	0° $\mathfrak{M}$ 31'43	0°27'30	morning max el	14340 May 09 20:37	12° $\Upsilon$ 59'44	46°12'08
max. Earth dist.	14337 Oct 10 17:06	3° $\mathfrak{M}$ 08'15	1.71886 AU		14340 May 26 06:52	0° $\mathfrak{B}$	
	14337 Nov 01 05:47	0° $\mathfrak{A}$			14340 Jun 21 23:56	0° $\mathfrak{I}$	
evening rise	14337 Nov 15 22:33	18° $\mathfrak{A}$ 17'27		desc. node	14340 Jul 04 07:56	14° $\mathfrak{I}$ 27'13	
	14337 Nov 25 09:02	0° $\mathfrak{B}$			14340 Jul 17 08:36	0° $\mathfrak{G}$	
	14337 Dec 19 16:23	0° $\approx$			14340 Aug 11 01:25	0° $\mathfrak{Q}$	
	14338 Jan 13 05:40	0° $\mathfrak{H}$			14340 Sep 04 10:18	0° $\mathfrak{M}$	
desc. node	14338 Jan 17 02:14	4° $\mathfrak{H}$ 40'51			14340 Sep 28 15:39	0° $\mathfrak{L}$	
	14338 Feb 07 02:10	0° $\Upsilon$			14340 Oct 22 19:37	0° $\mathfrak{M}$	
	14338 Mar 04 07:09	0° $\mathfrak{B}$		asc. node	14340 Oct 25 02:13	2° $\mathfrak{M}$ 49'32	
	14338 Mar 30 00:17	0° $\mathfrak{I}$		morning set	14340 Nov 11 00:55	23° $\mathfrak{M}$ 52'53	
	14338 Apr 25 17:54	0° $\mathfrak{G}$			14340 Nov 15 23:06	0° $\mathfrak{A}$	
asc. node	14338 May 09 22:22	14° $\mathfrak{G}$ 59'11			14340 Dec 10 02:51	0° $\mathfrak{B}$	
evening max el	14338 May 15 08:36	20° $\mathfrak{G}$ 26'52	46°25'27				
	14338 May 25 09:58	0° $\mathfrak{Q}$		superior conj	14340 Dec 18 14:14	10° $\mathfrak{B}$ 30'39	1°26'18
greatest brilliancy	14338 Jun 24 15:35	20° $\mathfrak{Q}$ 31'01	-4.9m	minimum elong	14340 Dec 18 13:34	10° $\mathfrak{B}$ 28'35	1°27'22
retrograde	14338 Jul 04 04:21	22° $\mathfrak{Q}$ 12'44		max. Earth dist.	14340 Dec 20 16:58	13° $\mathfrak{B}$ 07'51	1.72769 AU
evening set	14338 Jul 21 07:03	16° $\mathfrak{Q}$ 34'29			14341 Jan 03 07:59	0° $\approx$	
inferior conj	14338 Jul 24 19:32	14° $\mathfrak{Q}$ 26'09	7°53'14	evening rise	14341 Jan 24 19:48	26° $\approx$ 31'22	
minimum elong	14338 Jul 25 05:31	14° $\mathfrak{Q}$ 10'46	7°50'45		14341 Jan 27 15:36	0° $\mathfrak{H}$	
min. Earth dist.	14338 Jul 25 10:04	14° $\mathfrak{Q}$ 03'46	0.27227 AU	desc. node	14341 Feb 13 16:02	20° $\mathfrak{H}$ 54'26	
morning rise	14338 Jul 29 03:54	11° $\mathfrak{Q}$ 48'41			14341 Feb 21 02:08	0° $\Upsilon$	
direct	14338 Aug 14 15:36	6° $\mathfrak{Q}$ 33'29			14341 Mar 17 15:13	0° $\mathfrak{B}$	
greatest brilliancy	14338 Aug 24 18:08	8° $\mathfrak{Q}$ 28'57	-4.9m		14341 Apr 11 06:32	0° $\mathfrak{I}$	
desc. node	14338 Aug 30 01:22	10° $\mathfrak{Q}$ 49'42			14341 May 06 01:18	0° $\mathfrak{G}$	
	14338 Sep 24 13:31	0° $\mathfrak{M}$			14341 May 31 03:44	0° $\mathfrak{Q}$	
morning max el	14338 Oct 03 23:42	9° $\mathfrak{M}$ 03'38	46°46'03	asc. node	14341 Jun 06 08:58	7° $\mathfrak{Q}$ 19'53	
	14338 Oct 23 23:09	0° $\mathfrak{L}$			14341 Jun 25 23:17	0° $\mathfrak{M}$	
	14338 Nov 19 14:53	0° $\mathfrak{M}$			14341 Jul 23 12:35	0° $\mathfrak{L}$	
	14338 Dec 15 05:57	0° $\mathfrak{A}$		evening max el	14341 Jul 27 06:06	3° $\mathfrak{L}$ 46'58	46°43'51
asc. node	14338 Dec 21 01:57	6° $\mathfrak{A}$ 55'52			14341 Aug 27 10:21	0° $\mathfrak{M}$	
	14339 Jan 09 07:48	0° $\mathfrak{B}$		greatest brilliancy	14341 Sep 04 21:37	4° $\mathfrak{M}$ 13'02	-4.9m
	14339 Feb 03 01:31	0° $\approx$		retrograde	14341 Sep 15 13:29	6° $\mathfrak{M}$ 20'48	
	14339 Feb 27 14:19	0° $\mathfrak{H}$		desc. node	14341 Sep 26 10:25	3° $\mathfrak{M}$ 58'24	



evening set	14341 Sep 30 03:58	2°♍10'29	minimum elong	14344 Feb 27 01:43	18°♎05'02	0°36'26
	14341 Oct 03 23:32	30°♋♎	max. Earth dist.	14344 Feb 26 22:50	17°♎56'09	1.73128 AU
inferior conj	14341 Oct 06 11:16	28°♎29'22 -2°34'04		14344 Mar 07 17:33	0°♍	
minimum elong	14341 Oct 06 05:28	28°♎38'14 2°31'51	desc. node	14344 Mar 13 06:39	6°♍50'23	
min. Earth dist.	14341 Oct 05 22:37	28°♎48'41 0.27220 AU		14344 Apr 01 01:13	0°♎	
morning rise	14341 Oct 12 07:21	25°♎03'41	evening rise	14344 Apr 04 20:10	4°♎40'43	
direct	14341 Oct 27 06:03	20°♎43'44		14344 Apr 25 08:08	0°♎	
greatest brilliancy	14341 Nov 05 22:40	22°♎26'36 -4.8m		14344 May 19 14:17	0°♎	
	14341 Nov 20 07:48	0°♍		14344 Jun 12 20:58	0°♎	
morning max el	14341 Dec 15 12:32	21°♍18'27 46°03'13	asc. node	14344 Jul 03 21:07	25°♎49'53	
	14341 Dec 24 06:12	0°♎		14344 Jul 07 06:50	0°♎	
asc. node	14342 Jan 17 12:47	26°♎00'30		14344 Jul 31 23:51	0°♎	
	14342 Jan 21 02:28	0°♎		14344 Aug 26 07:04	0°♍	
	14342 Feb 16 04:54	0°♎		14344 Sep 21 21:16	0°♎	
	14342 Mar 13 11:33	0°♎	evening max el	14344 Oct 07 02:08	15°♎50'35 46°29'04	
	14342 Apr 07 07:09	0°♍		14344 Oct 22 07:58	0°♎	
	14342 May 01 19:35	0°♎	desc. node	14344 Oct 23 19:46	1°♎15'18	
desc. node	14342 May 09 09:22	9°♎19'31	greatest brilliancy	14344 Nov 15 08:55	15°♎33'18 -4.8m	
	14342 May 26 02:31	0°♎	retrograde	14344 Nov 26 00:58	17°♎38'04	
morning set	14342 Jun 14 11:22	24°♎05'28	evening set	14344 Dec 14 09:16	11°♎17'16	
	14342 Jun 19 04:59	0°♎	inferior conj	14344 Dec 17 10:09	9°♎24'32 -8°53'09	
	14342 Jul 13 04:24	0°♎	minimum elong	14344 Dec 17 09:19	9°♎25'51 8°52'06	
max. Earth dist.	14342 Jul 23 06:16	12°♎38'14 1.71502 AU	min. Earth dist.	14344 Dec 16 23:10	9°♎41'40 0.28630 AU	
			morning rise	14344 Dec 20 09:31	7°♎34'34	
superior conj	14342 Jul 24 08:18	13°♎59'52 -1°14'45	direct	14345 Jan 07 16:55	1°♎19'33	
minimum elong	14342 Jul 24 18:52	14°♎33'00 1°15'19	greatest brilliancy	14345 Jan 17 15:16	3°♎07'51 -4.8m	
	14342 Aug 06 02:30	0°♎	asc. node	14345 Feb 13 22:28	20°♎51'43	
asc. node	14342 Aug 29 23:03	29°♎54'13		14345 Feb 23 22:27	0°♎	
	14342 Aug 30 00:54	0°♎	morning max el	14345 Feb 25 17:38	1°♎43'58 45°43'22	
evening rise	14342 Sep 02 11:55	4°♎19'47		14345 Mar 24 18:30	0°♎	
	14342 Sep 23 00:58	0°♍		14345 Apr 20 03:19	0°♍	
	14342 Oct 17 04:09	0°♎		14345 May 15 11:11	0°♎	
	14342 Nov 10 12:50	0°♎	desc. node	14345 Jun 05 22:11	25°♎59'20	
	14342 Dec 05 06:40	0°♎		14345 Jun 09 04:58	0°♎	
desc. node	14342 Dec 19 15:15	17°♎06'26		14345 Jul 03 13:38	0°♎	
	14342 Dec 30 14:41	0°♎		14345 Jul 27 16:35	0°♎	
	14343 Jan 25 21:00	0°♍		14345 Aug 20 16:38	0°♎	
	14343 Feb 22 22:41	0°♎	morning set	14345 Aug 28 01:50	9°♎14'22	
evening max el	14343 Mar 01 15:29	6°♎38'00 45°59'52		14345 Sep 13 15:55	0°♎	
	14343 Mar 29 19:32	0°♎	asc. node	14345 Sep 26 13:42	16°♎09'00	
greatest brilliancy	14343 Apr 09 22:45	5°♎34'27 -4.8m				
asc. node	14343 Apr 11 14:47	6°♎07'14	superior conj	14345 Oct 06 11:22	28°♎31'45 0°23'54	
retrograde	14343 Apr 19 22:19	7°♎25'15	minimum elong	14345 Oct 06 05:39	28°♎13'56 0°24'00	
evening set	14343 May 05 15:53	2°♎34'16		14345 Oct 07 15:36	0°♍	
	14343 May 09 22:34	30°♋♎	max. Earth dist.	14345 Oct 08 08:16	0°♍52'03 1.71858 AU	
inferior conj	14343 May 10 21:33	29°♎24'09 6°36'15		14345 Oct 31 16:31	0°♎	
minimum elong	14343 May 10 10:47	29°♎40'58 6°33'05	evening rise	14345 Nov 13 14:09	16°♎03'16	
min. Earth dist.	14343 May 10 20:47	29°♎25'22 0.27971 AU		14345 Nov 24 19:51	0°♎	
morning rise	14343 May 15 05:32	26°♎44'57		14345 Dec 19 03:22	0°♎	
direct	14343 May 31 22:59	21°♎17'47		14346 Jan 12 16:58	0°♎	
greatest brilliancy	14343 Jun 11 01:51	23°♎13'24 -4.8m	desc. node	14346 Jan 16 04:01	4°♎11'53	
	14343 Jun 23 19:33	0°♎		14346 Feb 06 14:00	0°♍	
morning max el	14343 Jul 21 08:13	23°♎52'42 46°52'09		14346 Mar 03 19:51	0°♎	
	14343 Jul 27 07:55	0°♎		14346 Mar 29 14:34	0°♎	
desc. node	14343 Aug 01 18:11	5°♎43'49		14346 Apr 25 11:36	0°♎	
	14343 Aug 23 14:13	0°♎	asc. node	14346 May 09 00:15	14°♎09'59	
	14343 Sep 18 05:33	0°♎	evening max el	14346 May 12 21:41	18°♎03'51 46°24'19	
	14343 Oct 13 05:14	0°♎		14346 May 25 15:13	0°♎	
	14343 Nov 06 21:35	0°♍	greatest brilliancy	14346 Jun 22 05:32	18°♎08'09 -4.9m	
asc. node	14343 Nov 22 15:38	19°♍15'52	retrograde	14346 Jul 01 16:35	19°♎48'36	
	14343 Dec 01 09:41	0°♎	evening set	14346 Jul 18 23:30	14°♎05'27	
	14343 Dec 25 18:55	0°♎	inferior conj	14346 Jul 22 08:36	12°♎02'01 8°05'01	
	14344 Jan 19 02:33	0°♎	minimum elong	14346 Jul 22 18:05	11°♎47'22 8°02'43	
morning set	14344 Jan 20 18:00	2°♎01'43	min. Earth dist.	14346 Jul 22 23:25	11°♎39'07 0.27253 AU	
	14344 Feb 12 09:53	0°♎	morning rise	14346 Jul 26 12:31	9°♎30'35	
			direct	14346 Aug 12 04:26	4°♎08'45	
superior conj	14344 Feb 26 18:07	17°♎41'35 0°36'26	greatest brilliancy	14346 Aug 22 07:38	6°♎04'23 -4.9m	

desc. node	14346 Aug 29 03:24	9°Ω13'55			14349 May 05 13:31	0°☿		
	14346 Sep 24 16:20	0°♊			14349 May 30 17:07	0°Ω		
morning max el	14346 Oct 01 12:16	6°♊38'33	46°47'19	asc. node	14349 Jun 05 10:52	6°Ω44'59		
	14346 Oct 23 16:22	0°♊			14349 Jun 25 14:57	0°♊		
	14346 Nov 19 04:57	0°♊			14349 Jul 23 10:04	0°♊		
	14346 Dec 14 18:30	0°♊		evening max el	14349 Jul 24 19:41	1°♊24'33	46°43'47	
asc. node	14346 Dec 20 03:48	6°♊24'40			14349 Aug 29 07:27	0°♊		
	14347 Jan 08 19:29	0°♊		greatest brilliancy	14349 Sep 02 11:39	1°♊50'35	-4.9m	
	14347 Feb 02 12:43	0°♊		retrograde	14349 Sep 13 03:26	3°♊58'27		
	14347 Feb 27 01:13	0°♊		desc. node	14349 Sep 25 12:27	0°♊54'42		
	14347 Mar 23 10:48	0°♊			14349 Sep 27 08:14	30°♊		
morning set	14347 Mar 30 23:39	9°♊17'28		evening set	14349 Sep 27 16:39	29°♊48'53		
desc. node	14347 Apr 10 21:09	22°♊44'44		min. Earth dist.	14349 Oct 03 12:47	26°♊25'14	0.27182 AU	
	14347 Apr 16 17:58	0°♊		inferior conj	14349 Oct 04 00:25	26°♊07'32	-2°11'09	
max. Earth dist.	14347 May 05 17:38	23°♊32'09	1.72397 AU	minimum elong	14349 Oct 03 19:25	26°♊15'09	2°09'12	
				morning rise	14349 Oct 09 22:35	22°♊39'29		
superior conj	14347 May 08 21:32	27°♊27'52	-1°01'26	direct	14349 Oct 24 19:00	18°♊22'03		
minimum elong	14347 May 08 10:27	26°♊53'25	1°01'51	greatest brilliancy	14349 Nov 03 12:15	20°♊06'02	-4.8m	
	14347 May 10 22:31	0°♊			14349 Nov 21 04:09	0°♊		
	14347 Jun 04 00:33	0°☿		morning max el	14349 Dec 13 03:13	19°♊02'48	46°04'48	
evening rise	14347 Jun 17 02:00	16°☿18'22			14349 Dec 24 01:37	0°♊		
	14347 Jun 28 01:01	0°Ω		asc. node	14350 Jan 16 14:49	25°♊24'22		
	14347 Jul 22 01:33	0°♊			14350 Jan 20 17:03	0°♊		
asc. node	14347 Aug 01 10:34	12°♊56'08			14350 Feb 15 17:30	0°♊		
	14347 Aug 15 04:00	0°♊			14350 Mar 12 23:09	0°♊		
	14347 Sep 08 10:41	0°♊			14350 Apr 06 18:15	0°♊		
	14347 Oct 03 01:11	0°♊			14350 May 01 06:26	0°♊		
	14347 Oct 28 06:24	0°♊		desc. node	14350 May 08 11:08	8°♊51'44		
desc. node	14347 Nov 21 05:43	27°♊18'21			14350 May 25 13:13	0°♊		
	14347 Nov 23 16:29	0°♊		morning set	14350 Jun 11 23:21	21°♊40'02		
evening max el	14347 Dec 18 05:48	25°♊30'13	46°02'27		14350 Jun 18 15:38	0°☿		
	14347 Dec 22 23:26	0°♊			14350 Jul 12 15:00	0°Ω		
greatest brilliancy	14348 Jan 26 11:11	24°♊06'04	-4.8m	max. Earth dist.	14350 Jul 20 17:46	10°Ω10'31	1.71513 AU	
retrograde	14348 Feb 05 07:50	25°♊52'46						
evening set	14348 Feb 21 03:34	21°♊04'38		superior conj	14350 Jul 21 20:07	11°Ω33'07	-1°16'42	
inferior conj	14348 Feb 26 17:10	17°♊42'14	-3°44'10	minimum elong	14350 Jul 22 06:11	12°Ω04'43	1°17'18	
minimum elong	14348 Feb 27 00:56	17°♊30'02	3°41'40		14350 Aug 05 13:06	0°♊		
min. Earth dist.	14348 Feb 27 02:19	17°♊27'51	0.28555 AU	asc. node	14350 Aug 29 00:54	29°♊26'40		
morning rise	14348 Mar 03 21:58	13°♊57'41			14350 Aug 29 11:33	0°♊		
asc. node	14348 Mar 13 07:34	10°♊09'22		evening rise	14350 Aug 31 00:20	1°♊55'05		
direct	14348 Mar 18 23:49	9°♊30'25			14350 Sep 22 11:43	0°♊		
greatest brilliancy	14348 Mar 29 20:50	11°♊40'00	-4.8m		14350 Oct 16 15:04	0°♊		
	14348 Apr 26 00:36	0°♊			14350 Nov 10 00:02	0°♊		
morning max el	14348 May 07 11:32	10°♊44'33	46°10'41		14350 Dec 04 18:23	0°♊		
	14348 May 25 23:59	0°♊		desc. node	14350 Dec 18 17:12	16°♊36'06		
	14348 Jun 21 13:54	0°♊			14350 Dec 30 03:24	0°♊		
desc. node	14348 Jul 03 09:55	13°♊53'58			14351 Jan 25 11:47	0°♊		
	14348 Jul 16 21:11	0°☿			14351 Feb 22 18:49	0°♊		
	14348 Aug 10 13:16	0°Ω		evening max el	14351 Feb 27 07:23	4°♊26'47	45°59'23	
	14348 Sep 03 21:41	0°♊			14351 Mar 31 06:08	0°♊		
	14348 Sep 28 02:41	0°♊		greatest brilliancy	14351 Apr 07 12:17	3°♊17'37	-4.8m	
	14348 Oct 22 06:23	0°♊		asc. node	14351 Apr 10 16:38	4°♊15'33		
asc. node	14348 Oct 24 03:59	2°♊21'38		retrograde	14351 Apr 17 13:02	5°♊08'52		
morning set	14348 Nov 08 15:56	21°♊37'21		evening set	14351 May 03 03:22	0°♊22'23		
	14348 Nov 15 09:40	0°♊			14351 May 03 18:59	30°♊		
	14348 Dec 09 13:19	0°♊		inferior conj	14351 May 08 12:13	27°♊07'22	6°20'26	
				minimum elong	14351 May 08 01:29	27°♊24'09	6°17'11	
superior conj	14348 Dec 16 06:56	8°♊21'18	1°26'08	min. Earth dist.	14351 May 08 10:58	27°♊09'19	0.27989 AU	
minimum elong	14348 Dec 16 05:30	8°♊16'50	1°27'11	morning rise	14351 May 12 23:29	24°♊23'16		
max. Earth dist.	14348 Dec 18 08:54	10°♊56'08	1.72743 AU	direct	14351 May 29 14:29	19°♊01'00		
	14349 Jan 02 18:26	0°♊		greatest brilliancy	14351 Jun 08 16:33	20°♊56'04	-4.8m	
evening rise	14349 Jan 22 12:12	24°♊21'48			14351 Jun 24 16:09	0°♊		
	14349 Jan 27 02:07	0°♊		morning max el	14351 Jul 18 23:05	21°♊34'56	46°51'10	
desc. node	14349 Feb 12 18:00	20°♊27'49			14351 Jul 27 03:29	0°☿		
	14349 Feb 20 12:51	0°♊		desc. node	14351 Jul 31 20:13	5°☿00'03		
	14349 Mar 17 02:14	0°♊			14351 Aug 23 05:11	0°Ω		
	14349 Apr 10 18:02	0°♊			14351 Sep 17 18:37	0°♊		

	14351 Oct 12 17:16	0°♄		asc. node	14354 May 08 02:12	13°♄21'28	
	14351 Nov 06 08:58	0°♍		evening max el	14354 May 10 09:56	15°♄40'14	46°23'17
asc. node	14351 Nov 21 17:26	18°♍47'27			14354 May 25 22:00	0°♎	
	14351 Nov 30 20:38	0°♊		greatest brilliancy	14354 Jun 19 19:24	15°♎46'45	-4.9m
	14351 Dec 25 05:33	0°♋		retrograde	14354 Jun 29 05:03	17°♎26'28	
morning set	14352 Jan 18 11:05	29°♋54'07		evening set	14354 Jul 16 16:00	11°♎38'06	
	14352 Jan 18 13:00	0°♌		inferior conj	14354 Jul 19 21:53	9°♎39'28	8°15'48
	14352 Feb 11 20:14	0°♍		minimum elong	14354 Jul 20 06:48	9°♎25'42	8°13'40
				min. Earth dist.	14354 Jul 20 12:58	9°♎16'10	0.27288 AU
superior conj	14352 Feb 24 10:28	15°♍32'04	0°39'29	morning rise	14354 Jul 23 21:27	7°♎14'13	
minimum elong	14352 Feb 24 18:32	15°♍56'58	0°39'29	direct	14354 Aug 09 17:21	1°♎45'18	
max. Earth dist.	14352 Feb 24 18:35	15°♍57'07	1.73128 AU	greatest brilliancy	14354 Aug 19 21:44	3°♎41'43	-4.9m
	14352 Mar 07 03:55	0°♐		desc. node	14354 Aug 28 05:24	7°♎42'32	
desc. node	14352 Mar 12 08:27	6°♐23'59			14354 Sep 24 17:30	0°♑	
	14352 Mar 31 11:40	0°♑		morning max el	14354 Sep 29 01:22	4°♑15'06	46°48'22
evening rise	14352 Apr 02 11:49	2°♑28'35			14354 Oct 23 09:08	0°♒	
	14352 Apr 24 18:45	0°♓			14354 Nov 18 18:47	0°♓	
	14352 May 19 01:10	0°♈			14354 Dec 14 06:51	0°♊	
	14352 Jun 12 08:14	0°♎		asc. node	14354 Dec 19 05:52	5°♊54'33	
asc. node	14352 Jul 02 23:03	25°♎19'54			14355 Jan 08 07:00	0°♋	
	14352 Jul 06 18:39	0°♑			14355 Feb 01 23:44	0°♌	
	14352 Jul 31 12:32	0°♒			14355 Feb 26 11:58	0°♍	
	14352 Aug 25 21:19	0°♓			14355 Mar 22 21:24	0°♐	
evening max el	14352 Oct 04 17:20	13°♊34'50	46°29'57	morning set	14355 Mar 28 14:59	7°♐04'07	
desc. node	14352 Oct 22 21:38	0°♋11'38		desc. node	14355 Apr 09 22:56	22°♐17'44	
	14352 Oct 22 15:55	0°♌			14355 Apr 16 04:29	0°♑	
greatest brilliancy	14352 Nov 12 23:59	13°♌19'24	-4.8m	max. Earth dist.	14355 May 03 09:27	21°♑19'36	1.72433 AU
retrograde	14352 Nov 23 16:09	15°♌24'12					
evening set	14352 Dec 11 23:11	9°♌06'03		superior conj	14355 May 06 11:29	25°♌09'28	-0°58'47
min. Earth dist.	14352 Dec 14 13:22	7°♌29'58	0.28595 AU	minimum elong	14355 May 06 00:29	24°♌35'16	0°59'10
inferior conj	14352 Dec 15 01:21	7°♌11'16	-8°52'16		14355 May 10 09:02	0°♓	
minimum elong	14352 Dec 14 23:39	7°♌13'54	8°51'10		14355 Jun 03 11:07	0°♈	
morning rise	14352 Dec 18 00:16	5°♌21'50		evening rise	14355 Jun 14 14:49	13°♈55'22	
	14352 Dec 29 16:09	30°♌♊			14355 Jun 27 11:42	0°♎	
direct	14353 Jan 05 08:03	29°♊07'08		asc. node	14355 Jul 21 12:24	0°♑	
	14353 Jan 12 04:45	0°♋			14355 Jul 31 12:26	12°♑27'46	
greatest brilliancy	14353 Jan 15 04:47	0°♋53'48	-4.8m		14355 Aug 14 15:08	0°♒	
asc. node	14353 Feb 13 00:27	19°♋55'06			14355 Sep 07 22:13	0°♓	
morning max el	14353 Feb 23 07:45	29°♋28'49	45°43'17		14355 Oct 02 13:25	0°♊	
	14353 Feb 23 20:36	0°♌		desc. node	14355 Oct 27 19:53	0°♋	
	14353 Mar 24 09:48	0°♍			14355 Nov 20 07:45	26°♋40'27	
	14353 Apr 19 16:17	0°♐		evening max el	14355 Nov 23 08:40	0°♌	
	14353 May 14 23:02	0°♑			14355 Dec 15 19:58	23°♌15'03	46°03'12
desc. node	14353 Jun 05 00:10	25°♑30'45		greatest brilliancy	14355 Dec 23 00:16	0°♍	
	14353 Jun 08 16:15	0°♓		retrograde	14356 Jan 24 02:10	21°♍53'49	-4.8m
	14353 Jul 03 00:36	0°♈		evening set	14356 Feb 02 23:26	23°♍41'15	
	14353 Jul 27 03:23	0°♎		inferior conj	14356 Feb 18 21:28	18°♍49'02	
	14353 Aug 20 03:20	0°♑		minimum elong	14356 Feb 24 08:46	15°♍30'06	-4°03'09
morning set	14353 Aug 25 14:28	6°♑50'21		min. Earth dist.	14356 Feb 24 17:03	15°♍17'08	4°00'30
	14353 Sep 13 02:32	0°♒		morning rise	14356 Feb 24 18:03	15°♍15'33	0.28579 AU
asc. node	14353 Sep 25 15:27	15°♒41'26		asc. node	14356 Mar 01 12:18	11°♍47'37	
				direct	14356 Mar 12 09:30	7°♍39'45	
superior conj	14353 Oct 04 00:47	26°♒10'47	0°20'19	greatest brilliancy	14356 Mar 16 15:22	7°♍17'57	
minimum elong	14353 Oct 03 19:52	25°♒55'25	0°20'26		14356 Mar 27 13:11	9°♍28'27	-4.8m
max. Earth dist.	14353 Oct 05 20:39	28°♒27'52	1.71828 AU	morning max el	14356 Apr 26 03:33	0°♐	
	14353 Oct 07 02:09	0°♓			14356 May 05 03:18	8°♐31'34	46°09'24
	14353 Oct 31 03:02	0°♊			14356 May 25 16:43	0°♑	
evening rise	14353 Nov 11 05:21	13°♊48'35		desc. node	14356 Jun 21 03:40	0°♓	
	14353 Nov 24 06:25	0°♋			14356 Jul 02 11:54	13°♓21'13	
	14353 Dec 18 14:07	0°♌			14356 Jul 16 09:37	0°♈	
	14354 Jan 12 04:02	0°♍			14356 Aug 10 00:58	0°♎	
desc. node	14354 Jan 15 06:00	3°♍44'09			14356 Sep 03 08:57	0°♑	
	14354 Feb 06 01:35	0°♐			14356 Sep 27 13:39	0°♒	
	14354 Mar 03 08:19	0°♑		asc. node	14356 Oct 21 17:09	0°♓	
	14354 Mar 29 04:38	0°♓		morning set	14356 Oct 23 05:49	1°♓53'53	
	14354 Apr 25 05:14	0°♈			14356 Nov 06 06:41	19°♓20'46	
					14356 Nov 14 20:20	0°♊	

	14356 Dec 08 23:55	0°☾		inferior conj	14359 May 06 02:48	24°☾49'25	6°03'58
				minimum elong	14359 May 05 16:11	25°☾06'02	6°00'41
superior conj	14356 Dec 13 23:11	6°☾10'03	1°25'49	min. Earth dist.	14359 May 06 01:25	24°☾51'34	0.28001 AU
minimum elong	14356 Dec 13 20:56	6°☾03'06	1°26'52	morning rise	14359 May 10 17:18	22°☾00'21	
max. Earth dist.	14356 Dec 16 01:11	8°☾45'06	1.72718 AU	direct	14359 May 27 05:33	16°☾43'05	
	14357 Jan 02 05:00	0°≈		greatest brilliancy	14359 Jun 06 07:26	18°☾37'45	-4.8m
evening rise	14357 Jan 20 04:09	22°≈10'26			14359 Jun 25 07:55	0°☾	
	14357 Jan 26 12:47	0°☾		morning max el	14359 Jul 16 12:52	19°☾13'30	46°50'11
desc. node	14357 Feb 11 19:44	20°☾00'05			14359 Jul 26 22:50	0°☾	
	14357 Feb 19 23:41	0°☾		desc. node	14359 Jul 30 22:06	4°☾15'36	
	14357 Mar 16 13:25	0°☾			14359 Aug 22 20:15	0°☾	
	14357 Apr 10 05:42	0°☾			14359 Sep 17 07:52	0°☾	
	14357 May 05 01:54	0°☾			14359 Oct 12 05:31	0°☾	
	14357 May 30 06:42	0°☾			14359 Nov 05 20:35	0°☾	
asc. node	14357 Jun 04 12:53	6°☾09'59		asc. node	14359 Nov 20 19:26	18°☾18'56	
	14357 Jun 25 06:53	0°☾			14359 Nov 30 07:47	0°☾	
evening max el	14357 Jul 22 10:15	29°☾04'52	46°43'50		14359 Dec 24 16:26	0°☾	
	14357 Jul 23 08:21	0°☾		morning set	14360 Jan 16 04:09	27°☾345'29	
greatest brilliancy	14357 Aug 31 01:26	29°☾28'23	-4.9m		14360 Jan 17 23:44	0°☾	
	14357 Sep 01 12:43	0°☾			14360 Feb 11 06:57	0°☾	
retrograde	14357 Sep 10 17:46	1°☾36'28					
	14357 Sep 19 14:46	30°☾		superior conj	14360 Feb 22 02:42	13°☾21'03	0°42'28
desc. node	14357 Sep 24 14:19	27°☾47'48		minimum elong	14360 Feb 22 11:11	13°☾47'13	0°42'30
evening set	14357 Sep 25 05:46	27°☾27'31		max. Earth dist.	14360 Feb 22 11:56	13°☾49'31	1.73134 AU
min. Earth dist.	14357 Oct 01 02:44	24°☾02'35	0.27149 AU		14360 Mar 06 14:41	0°☾	
inferior conj	14357 Oct 01 13:41	23°☾45'56	-1°47'59	desc. node	14360 Mar 11 10:13	5°☾56'12	
minimum elong	14357 Oct 01 09:31	23°☾52'15	1°46'21		14360 Mar 30 22:32	0°☾	
morning rise	14357 Oct 07 13:46	20°☾15'46		evening rise	14360 Mar 31 03:06	0°☾14'06	
direct	14357 Oct 22 08:34	16°☾00'47			14360 Apr 24 05:48	0°☾	
greatest brilliancy	14357 Nov 01 01:24	17°☾44'58	-4.8m		14360 May 18 12:28	0°☾	
	14357 Nov 21 19:18	0°☾			14360 Jun 11 19:55	0°☾	
morning max el	14357 Dec 10 18:05	16°☾47'10	46°06'03	asc. node	14360 Jul 02 00:55	24°☾48'27	
	14357 Dec 23 20:40	0°☾			14360 Jul 06 06:54	0°☾	
asc. node	14358 Jan 15 16:44	24°☾47'30			14360 Jul 31 01:42	0°☾	
	14358 Jan 20 07:42	0°☾			14360 Aug 25 12:06	0°☾	
	14358 Feb 15 06:18	0°☾			14360 Sep 21 09:39	0°☾	
	14358 Mar 12 11:00	0°☾		evening max el	14360 Oct 02 07:47	11°☾16'07	46°30'55
	14358 Apr 06 05:34	0°☾		desc. node	14360 Oct 21 23:44	29°☾06'03	
	14358 Apr 30 17:29	0°☾			14360 Oct 23 03:13	0°☾	
desc. node	14358 May 07 13:00	8°☾23'38		greatest brilliancy	14360 Nov 10 15:31	11°☾05'19	-4.8m
	14358 May 25 00:08	0°☾		retrograde	14360 Nov 21 07:09	13°☾10'00	
morning set	14358 Jun 09 11:17	19°☾13'52		evening set	14360 Dec 09 12:50	6°☾55'06	
	14358 Jun 18 02:28	0°☾		min. Earth dist.	14360 Dec 12 03:59	5°☾17'33	0.28559 AU
	14358 Jul 12 01:48	0°☾		inferior conj	14360 Dec 12 16:42	4°☾57'42	-8°50'26
max. Earth dist.	14358 Jul 18 04:03	7°☾38'22	1.71520 AU	minimum elong	14360 Dec 12 14:10	5°☾01'40	8°49'18
				morning rise	14360 Dec 15 15:39	3°☾08'08	
superior conj	14358 Jul 19 08:02	9°☾06'05	-1°18'29		14360 Dec 21 08:41	30°☾	
minimum elong	14358 Jul 19 17:31	9°☾35'49	1°19'09	direct	14361 Jan 02 22:54	26°☾54'20	
	14358 Aug 04 23:54	0°☾		greatest brilliancy	14361 Jan 12 18:59	28°☾40'00	-4.8m
asc. node	14358 Aug 28 02:38	28°☾58'10			14361 Jan 16 04:20	0°☾	
evening rise	14358 Aug 28 12:52	29°☾30'13		asc. node	14361 Feb 12 02:23	18°☾58'52	
	14358 Aug 28 22:23	0°☾		morning max el	14361 Feb 20 21:18	27°☾11'14	45°43'05
	14358 Sep 21 22:38	0°☾			14361 Feb 23 18:14	0°☾	
	14358 Oct 16 02:09	0°☾			14361 Mar 24 01:19	0°☾	
	14358 Nov 09 11:26	0°☾			14361 Apr 19 05:37	0°☾	
	14358 Dec 04 06:23	0°☾			14361 May 14 11:20	0°☾	
desc. node	14358 Dec 17 19:07	16°☾04'42		desc. node	14361 Jun 04 02:07	25°☾00'46	
	14358 Dec 29 16:33	0°☾			14361 Jun 08 03:58	0°☾	
	14359 Jan 25 03:12	0°☾			14361 Jul 02 11:59	0°☾	
	14359 Feb 22 16:12	0°☾			14361 Jul 26 14:33	0°☾	
evening max el	14359 Feb 24 22:57	2°☾13'28	45°58'53		14361 Aug 19 14:24	0°☾	
	14359 Apr 02 12:48	0°☾		morning set	14361 Aug 23 02:56	4°☾24'36	
greatest brilliancy	14359 Apr 05 02:26	1°☾00'09	-4.8m		14361 Sep 12 13:30	0°☾	
asc. node	14359 Apr 09 18:38	2°☾18'13		asc. node	14361 Sep 24 17:17	15°☾13'01	
retrograde	14359 Apr 15 03:12	2°☾51'03					
	14359 Apr 27 01:18	30°☾		superior conj	14361 Oct 01 14:16	23°☾48'49	0°16'42
evening set	14359 Apr 30 14:58	28°☾09'02		minimum elong	14361 Oct 01 10:10	23°☾36'00	0°16'49

max. Earth dist.	14361 Oct 03 06:19	25°♄53'57	1.71798 AU	greatest brilliancy	14364 Mar 25 04:57	7°♁16'27	-4.8m
	14361 Oct 06 13:03	0°♌			14364 Apr 26 05:03	0°♑	
	14361 Oct 30 13:55	0°♊		morning max el	14364 May 02 19:36	6°♑19'48	46°07'52
evening rise	14361 Nov 08 20:45	11°♊33'21			14364 May 25 09:17	0°♋	
	14361 Nov 23 17:20	0°♋			14364 Jun 20 17:32	0°♌	
	14361 Dec 18 01:12	0°♍		desc. node	14364 Jul 01 13:43	12°♌47'20	
	14362 Jan 11 15:26	0°♁			14364 Jul 15 22:16	0°♍	
desc. node	14362 Jan 14 07:48	3°♁14'59			14364 Aug 09 12:57	0°♎	
	14362 Feb 05 13:32	0°♑			14364 Sep 02 20:28	0°♏	
	14362 Mar 02 21:14	0°♋			14364 Sep 27 00:51	0°♄	
	14362 Mar 28 19:21	0°♌			14364 Oct 21 04:07	0°♌	
	14362 Apr 24 23:57	0°♍		asc. node	14364 Oct 22 07:43	1°♌25'46	
asc. node	14362 May 07 04:15	12°♍30'42		morning set	14364 Nov 03 21:17	17°♌03'09	
evening max el	14362 May 07 22:10	13°♍15'01	46°22'14		14364 Nov 14 07:08	0°♊	
	14362 May 26 08:21	0°♎			14364 Dec 08 10:38	0°♋	
greatest brilliancy	14362 Jun 17 08:45	13°♎22'57	-4.9m				
retrograde	14362 Jun 26 17:54	15°♎02'36		superior conj	14364 Dec 11 15:25	3°♋58'15	1°25'23
evening set	14362 Jul 14 08:12	9°♎08'57		minimum elong	14364 Dec 11 12:23	3°♋48'52	1°26'25
inferior conj	14362 Jul 17 11:01	7°♎15'00	8°25'38	max. Earth dist.	14364 Dec 13 19:09	6°♋38'44	1.72691 AU
minimum elong	14362 Jul 17 19:19	7°♎02'12	8°23'40		14365 Jan 01 15:43	0°♍	
min. Earth dist.	14362 Jul 18 02:09	6°♎51'39	0.27321 AU	evening rise	14365 Jan 17 20:19	19°♍59'16	
morning rise	14362 Jul 21 06:16	4°♎56'09			14365 Jan 25 23:33	0°♁	
	14362 Aug 01 13:16	30°♏♍		desc. node	14365 Feb 10 21:33	19°♁32'18	
direct	14362 Aug 07 06:13	29°♍19'57			14365 Feb 19 10:38	0°♑	
	14362 Aug 13 03:05	0°♎			14365 Mar 16 00:40	0°♋	
greatest brilliancy	14362 Aug 17 11:25	1°♎17'11	-4.9m		14365 Apr 09 17:25	0°♌	
desc. node	14362 Aug 27 07:21	6°♎12'54			14365 May 04 14:23	0°♍	
	14362 Sep 24 17:54	0°♏			14365 May 29 20:30	0°♎	
morning max el	14362 Sep 26 15:09	1°♏52'10	46°49'29	asc. node	14365 Jun 03 14:44	5°♎34'01	
	14362 Oct 23 01:56	0°♄			14365 Jun 24 23:18	0°♏	
	14362 Nov 18 08:48	0°♌		evening max el	14365 Jul 20 01:07	26°♏45'04	46°43'31
	14362 Dec 13 19:27	0°♊			14365 Jul 23 07:58	0°♄	
asc. node	14362 Dec 18 07:39	5°♊22'51		greatest brilliancy	14365 Aug 28 15:30	27°♄05'04	-4.9m
	14363 Jan 07 18:46	0°♋		retrograde	14365 Sep 08 07:43	29°♄12'27	
	14363 Feb 01 11:01	0°♍		evening set	14365 Sep 22 18:50	25°♄04'16	
	14363 Feb 25 22:57	0°♁		desc. node	14365 Sep 23 16:24	24°♄34'56	
	14363 Mar 22 08:14	0°♑		min. Earth dist.	14365 Sep 28 16:31	21°♄37'57	0.27113 AU
morning set	14363 Mar 26 06:38	4°♑50'59		inferior conj	14365 Sep 29 02:36	21°♄22'36	-1°24'22
desc. node	14363 Apr 09 00:51	21°♑50'15		minimum elong	14365 Sep 28 23:20	21°♄27'35	1°23'02
	14363 Apr 15 15:17	0°♋		morning rise	14365 Oct 05 04:24	17°♄50'22	
max. Earth dist.	14363 May 01 03:12	19°♋12'05	1.72476 AU	direct	14365 Oct 19 21:53	13°♄38'01	
				greatest brilliancy	14365 Oct 29 14:02	15°♄21'58	-4.8m
superior conj	14363 May 04 01:21	22°♋49'48	-0°56'02		14365 Nov 22 06:54	0°♌	
minimum elong	14363 May 03 14:30	22°♋16'07	0°56'23	morning max el	14365 Dec 08 08:03	14°♌28'53	46°07'27
	14363 May 09 19:53	0°♌			14365 Dec 23 15:17	0°♊	
	14363 Jun 02 22:05	0°♍		asc. node	14366 Jan 14 18:39	24°♊10'52	
evening rise	14363 Jun 12 03:23	11°♍30'25			14366 Jan 19 22:10	0°♋	
	14363 Jun 26 22:48	0°♎			14366 Feb 14 18:58	0°♍	
	14363 Jul 20 23:40	0°♏			14366 Mar 11 22:44	0°♁	
asc. node	14363 Jul 30 14:10	11°♏57'50			14366 Apr 05 16:48	0°♑	
	14363 Aug 14 02:38	0°♄			14366 Apr 30 04:25	0°♋	
	14363 Sep 07 10:07	0°♌		desc. node	14366 May 06 14:55	7°♋55'59	
	14363 Oct 02 02:01	0°♊			14366 May 24 10:56	0°♌	
	14363 Oct 27 09:46	0°♋		morning set	14366 Jun 06 23:39	16°♌49'28	
desc. node	14363 Nov 19 09:42	26°♋01'18			14366 Jun 17 13:11	0°♍	
	14363 Nov 23 01:25	0°♍			14366 Jul 11 12:31	0°♎	
evening max el	14363 Dec 13 11:11	21°♍01'53	46°04'05	max. Earth dist.	14366 Jul 15 12:45	5°♎01'33	1.71536 AU
	14363 Dec 23 02:42	0°♁					
greatest brilliancy	14364 Jan 21 17:00	19°♁41'24	-4.8m	superior conj	14366 Jul 16 20:09	6°♎39'56	-1°20'06
retrograde	14364 Jan 31 15:39	21°♁29'48		minimum elong	14366 Jul 17 04:57	7°♎07'32	1°20'50
evening set	14364 Feb 16 15:41	16°♁33'35			14366 Aug 04 10:39	0°♏	
inferior conj	14364 Feb 22 00:33	13°♁18'07	-4°21'34	evening rise	14366 Aug 26 01:05	27°♏04'16	
minimum elong	14364 Feb 22 09:18	13°♁04'25	4°18'49	asc. node	14366 Aug 27 04:33	28°♏30'14	
min. Earth dist.	14364 Feb 22 09:34	13°♁03'59	0.28601 AU		14366 Aug 28 09:14	0°♄	
morning rise	14364 Feb 28 02:40	9°♁37'59			14366 Sep 21 09:34	0°♌	
asc. node	14364 Mar 11 11:28	5°♁15'35			14366 Oct 15 13:15	0°♊	
direct	14364 Mar 14 07:30	5°♁05'52			14366 Nov 08 22:51	0°♋	

	14366 Dec 03 18:24	0°♊			14369 May 13 23:08	0°♎	
desc. node	14366 Dec 16 20:57	15°♊33'12		desc. node	14369 Jun 03 03:50	24°♎31'26	
	14366 Dec 29 05:41	0°♋			14369 Jun 07 15:13	0°♎	
	14367 Jan 24 18:43	0°♌			14369 Jul 01 22:55	0°♏	
evening max el	14367 Feb 22 13:54	29°♌59'18	45°58'28		14369 Jul 26 01:17	0°♏	
	14367 Feb 22 14:11	0°♍			14369 Aug 19 00:59	0°♐	
greatest brilliancy	14367 Apr 02 17:28	28°♍44'52	-4.8m	morning set	14369 Aug 20 15:46	2°♐01'23	
	14367 Apr 07 04:31	0°♎			14369 Sep 11 24:00	0°♑	
asc. node	14367 Apr 08 20:44	0°♎17'46		asc. node	14369 Sep 23 19:09	14°♑46'07	
retrograde	14367 Apr 12 17:19	0°♎34'57					
	14367 Apr 18 02:32	30°♏		superior conj	14369 Sep 29 03:57	21°♑28'56	0°13'05
evening set	14367 Apr 28 03:02	25°♏57'00		minimum elong	14369 Sep 29 00:42	21°♑18'46	0°13'12
inferior conj	14367 May 03 17:41	22°♏33'18	5°47'00	behind sun begin	14369 Sep 28 10:17	20°♑33'40	
minimum elong	14367 May 03 07:15	22°♏49'41	5°43'42	behind sun end	14369 Sep 29 15:08	22°♑03'52	
min. Earth dist.	14367 May 03 16:33	22°♏35'04	0.28012 AU	max. Earth dist.	14369 Sep 30 16:11	23°♑22'09	1.71774 AU
morning rise	14367 May 08 11:17	19°♏39'23			14369 Oct 05 23:29	0°♒	
direct	14367 May 24 20:18	14°♏26'55			14369 Oct 30 00:21	0°♓	
greatest brilliancy	14367 Jun 03 23:06	16°♏21'49	-4.8m	evening rise	14369 Nov 06 12:13	9°♓19'39	
	14367 Jun 25 19:03	0°♐			14369 Nov 23 03:53	0°♓	
morning max el	14367 Jul 14 02:07	16°♐51'50	46°49'09		14369 Dec 17 11:56	0°♑	
	14367 Jul 26 17:15	0°♑			14370 Jan 11 02:30	0°♒	
desc. node	14367 Jul 30 00:06	3°♑33'05		desc. node	14370 Jan 13 09:37	2°♒46'49	
	14367 Aug 22 10:49	0°♒			14370 Feb 05 01:10	0°♓	
	14367 Sep 16 20:48	0°♒			14370 Mar 02 09:51	0°♎	
	14367 Oct 11 17:33	0°♑			14370 Mar 28 09:48	0°♎	
	14367 Nov 05 08:01	0°♒			14370 Apr 24 18:39	0°♏	
asc. node	14367 Nov 19 21:14	17°♒50'13		evening max el	14370 May 05 11:15	10°♑53'35	46°21'18
	14367 Nov 29 18:48	0°♓		asc. node	14370 May 06 06:07	11°♑40'01	
	14367 Dec 24 03:09	0°♓			14370 May 26 21:27	0°♒	
morning set	14368 Jan 13 20:55	25°♓36'29		greatest brilliancy	14370 Jun 14 21:32	11°♒00'12	-4.9m
	14368 Jan 17 10:16	0°♑		retrograde	14370 Jun 24 07:19	12°♒40'28	
	14368 Feb 10 17:25	0°♒		evening set	14370 Jul 12 00:16	6°♒41'43	
				inferior conj	14370 Jul 15 00:12	4°♒52'07	8°34'26
superior conj	14368 Feb 19 18:54	11°♒10'48	0°45'23	minimum elong	14370 Jul 15 07:49	4°♒40'22	8°32'39
minimum elong	14368 Feb 20 03:45	11°♒38'06	0°45'27	min. Earth dist.	14370 Jul 15 14:59	4°♒29'20	0.27355 AU
max. Earth dist.	14368 Feb 20 04:44	11°♒41'08	1.73136 AU	morning rise	14370 Jul 18 15:15	2°♒39'38	
	14368 Mar 06 01:10	0°♓			14370 Jul 23 12:56	30°♒♏	
desc. node	14368 Mar 10 12:07	5°♓29'40		direct	14370 Aug 04 19:38	26°♑56'16	
evening rise	14368 Mar 28 18:34	28°♓01'06		greatest brilliancy	14370 Aug 15 00:35	28°♑53'43	-4.9m
	14368 Mar 30 09:08	0°♎			14370 Aug 17 17:45	0°♒	
	14368 Apr 23 16:33	0°♎		desc. node	14370 Aug 26 09:23	4°♒48'05	
	14368 May 17 23:27	0°♏		morning max el	14370 Sep 24 05:57	29°♒33'25	46°50'36
	14368 Jun 11 07:16	0°♒			14370 Sep 24 16:35	0°♒	
asc. node	14368 Jul 01 02:45	24°♒18'00			14370 Oct 22 17:50	0°♑	
	14368 Jul 05 18:49	0°♒			14370 Nov 17 22:09	0°♒	
	14368 Jul 30 14:32	0°♑			14370 Dec 13 07:30	0°♓	
	14368 Aug 25 02:41	0°♒		asc. node	14370 Dec 17 09:32	4°♓52'55	
	14368 Sep 21 04:24	0°♓			14371 Jan 07 06:05	0°♓	
evening max el	14368 Sep 29 21:24	8°♓56'03	46°31'37		14371 Jan 31 21:53	0°♑	
desc. node	14368 Oct 21 01:41	27°♓58'56			14371 Feb 25 09:34	0°♒	
	14368 Oct 23 18:07	0°♓			14371 Mar 21 18:42	0°♓	
greatest brilliancy	14368 Nov 08 06:44	8°♓50'50	-4.8m	morning set	14371 Mar 23 22:10	2°♓38'38	
retrograde	14368 Nov 18 22:01	10°♓55'46		desc. node	14371 Apr 08 02:37	21°♓23'30	
evening set	14368 Dec 07 01:46	4°♓44'35			14371 Apr 15 01:42	0°♎	
inferior conj	14368 Dec 10 07:48	2°♓44'04	-8°47'42	max. Earth dist.	14371 Apr 28 21:23	17°♎07'12	1.72512 AU
minimum elong	14368 Dec 10 04:25	2°♓49'21	8°46'30				
min. Earth dist.	14368 Dec 09 18:32	3°♓04'47	0.28523 AU	superior conj	14371 May 01 15:05	20°♎31'00	-0°53'10
morning rise	14368 Dec 13 07:12	0°♓53'50		minimum elong	14371 May 01 04:29	19°♎58'07	0°53'29
	14368 Dec 14 19:29	30°♒♓			14371 May 09 06:19	0°♎	
direct	14368 Dec 31 13:07	24°♓41'15			14371 Jun 02 08:37	0°♏	
greatest brilliancy	14369 Jan 10 09:26	26°♓26'41	-4.8m	evening rise	14371 Jun 09 16:01	9°♑07'07	
	14369 Jan 18 06:15	0°♓			14371 Jun 26 09:29	0°♒	
asc. node	14369 Feb 11 04:25	18°♓04'45			14371 Jul 20 10:31	0°♒	
morning max el	14369 Feb 18 11:03	24°♓54'53	45°43'10	asc. node	14371 Jul 29 16:06	11°♒29'43	
	14369 Feb 23 14:47	0°♑			14371 Aug 13 13:45	0°♑	
	14369 Mar 23 16:13	0°♒			14371 Sep 06 21:38	0°♒	
	14369 Apr 18 18:25	0°♓			14371 Oct 01 14:13	0°♓	

	14371 Oct 26 23:17	0° $\text{Z}$		morning set	14374 Jun 04 11:39	14° $\text{II}$ 24'06	
desc. node	14371 Nov 18 11:33	25° $\text{Z}$ 22'54			14374 Jun 16 23:52	0° $\text{G}$	
	14371 Nov 22 17:58	0° $\approx$			14374 Jul 10 23:11	0° $\Omega$	
evening max el	14371 Dec 11 03:05	18° $\approx$ 51'41	46°04'46	max. Earth dist.	14374 Jul 12 18:58	2° $\Omega$ 17'12	1.71549 AU
	14371 Dec 23 06:12	0° $\text{H}$					
greatest brilliancy	14372 Jan 19 07:43	17° $\text{H}$ 29'49	-4.8m	superior conj	14374 Jul 14 08:02	4° $\Omega$ 13'22	-1°21'35
retrograde	14372 Jan 29 07:36	19° $\text{H}$ 18'50		minimum elong	14374 Jul 14 16:07	4° $\Omega$ 38'40	1°22'22
evening set	14372 Feb 14 09:54	14° $\text{H}$ 18'44			14374 Aug 03 21:20	0° $\text{M}$	
inferior conj	14372 Feb 19 16:11	11° $\text{H}$ 06'41	-4°39'36	evening rise	14374 Aug 23 13:02	24° $\text{M}$ 37'48	
minimum elong	14372 Feb 20 01:21	10° $\text{H}$ 52'20	4°36'47	asc. node	14374 Aug 26 06:20	28° $\text{M}$ 02'14	
min. Earth dist.	14372 Feb 20 00:49	10° $\text{H}$ 53'10	0.28625 AU		14374 Aug 27 19:58	0° $\text{G}$	
morning rise	14372 Feb 25 16:40	7° $\text{H}$ 29'04			14374 Sep 20 20:26	0° $\text{M}$	
asc. node	14372 Mar 10 13:32	2° $\text{H}$ 56'57			14374 Oct 15 00:18	0° $\text{Z}$	
direct	14372 Mar 11 23:52	2° $\text{H}$ 54'29			14374 Nov 08 10:14	0° $\text{Z}$	
greatest brilliancy	14372 Mar 22 20:07	5° $\text{H}$ 04'19	-4.8m		14374 Dec 03 06:25	0° $\approx$	
	14372 Apr 26 05:00	0° $\text{Y}$		desc. node	14374 Dec 15 22:53	15° $\approx$ 02'03	
morning max el	14372 Apr 30 11:44	4° $\text{Y}$ 08'28	46°06'24		14374 Dec 28 18:53	0° $\text{H}$	
	14372 May 25 01:14	0° $\text{G}$			14375 Jan 24 10:25	0° $\text{Y}$	
	14372 Jun 20 06:55	0° $\text{II}$		evening max el	14375 Feb 20 03:54	27° $\text{Y}$ 43'03	45°58'03
desc. node	14372 Jun 30 15:43	12° $\text{II}$ 15'18			14375 Feb 22 13:03	0° $\text{G}$	
	14372 Jul 15 10:28	0° $\text{G}$		greatest brilliancy	14375 Mar 31 08:19	26° $\text{G}$ 29'09	-4.8m
	14372 Aug 09 00:30	0° $\Omega$		asc. node	14375 Apr 07 22:34	28° $\text{G}$ 12'11	
	14372 Sep 02 07:36	0° $\text{M}$		retrograde	14375 Apr 10 07:10	28° $\text{G}$ 18'41	
	14372 Sep 26 11:42	0° $\text{G}$		evening set	14375 Apr 25 15:05	23° $\text{G}$ 44'05	
	14372 Oct 20 14:46	0° $\text{M}$		inferior conj	14375 May 01 08:28	20° $\text{G}$ 16'47	5°29'27
asc. node	14372 Oct 21 09:28	0° $\text{M}$ 58'10		minimum elong	14375 Apr 30 22:14	20° $\text{G}$ 32'49	5°26'09
morning set	14372 Nov 01 12:02	14° $\text{M}$ 47'03		min. Earth dist.	14375 May 01 07:49	20° $\text{G}$ 17'47	0.28030 AU
	14372 Nov 13 17:37	0° $\text{Z}$		morning rise	14375 May 06 05:08	17° $\text{G}$ 18'10	
	14372 Dec 07 21:01	0° $\text{Z}$		direct	14375 May 22 10:38	12° $\text{G}$ 09'57	
				greatest brilliancy	14375 Jun 01 15:20	14° $\text{G}$ 06'01	-4.8m
superior conj	14372 Dec 09 07:47	1° $\text{Z}$ 47'53	1°24'48		14375 Jun 26 03:29	0° $\text{II}$	
minimum elong	14372 Dec 09 04:01	1° $\text{Z}$ 36'11	1°25'50	morning max el	14375 Jul 11 15:27	14° $\text{II}$ 29'43	46°48'10
max. Earth dist.	14372 Dec 11 14:18	4° $\text{Z}$ 37'03	1.72661 AU		14375 Jul 26 11:25	0° $\text{G}$	
	14373 Jan 01 02:05	0° $\approx$		desc. node	14375 Jul 29 02:07	2° $\text{G}$ 50'35	
evening rise	14373 Jan 15 12:33	17° $\approx$ 49'15			14375 Aug 22 01:23	0° $\Omega$	
	14373 Jan 25 10:01	0° $\text{H}$			14375 Sep 16 09:45	0° $\text{M}$	
desc. node	14373 Feb 09 23:29	19° $\text{H}$ 05'41			14375 Oct 11 05:36	0° $\text{G}$	
	14373 Feb 18 21:20	0° $\text{Y}$			14375 Nov 04 19:29	0° $\text{M}$	
	14373 Mar 15 11:43	0° $\text{G}$		asc. node	14375 Nov 18 23:03	17° $\text{M}$ 21'26	
	14373 Apr 09 05:00	0° $\text{II}$			14375 Nov 29 05:52	0° $\text{Z}$	
	14373 May 04 02:45	0° $\text{G}$			14375 Dec 23 13:56	0° $\text{Z}$	
	14373 May 29 10:12	0° $\Omega$		morning set	14376 Jan 11 13:40	23° $\text{Z}$ 27'04	
asc. node	14373 Jun 02 16:38	4° $\Omega$ 58'35			14376 Jan 16 20:54	0° $\approx$	
	14373 Jun 24 15:46	0° $\text{M}$			14376 Feb 10 04:00	0° $\text{H}$	
evening max el	14373 Jul 17 15:35	24° $\text{M}$ 24'59	46°43'12				
	14373 Jul 23 08:25	0° $\text{G}$		superior conj	14376 Feb 17 11:18	9° $\text{H}$ 00'45	0°48'13
greatest brilliancy	14373 Aug 26 06:10	24° $\text{G}$ 43'12	-4.9m	minimum elong	14376 Feb 17 20:29	9° $\text{H}$ 29'04	0°48'19
retrograde	14373 Sep 05 21:07	26° $\text{G}$ 48'55		max. Earth dist.	14376 Feb 17 22:03	9° $\text{H}$ 33'55	1.73136 AU
evening set	14373 Sep 20 08:08	22° $\text{G}$ 41'23			14376 Mar 05 11:47	0° $\text{Y}$	
desc. node	14373 Sep 22 18:24	21° $\text{G}$ 19'51		desc. node	14376 Mar 09 13:53	5° $\text{Y}$ 02'22	
inferior conj	14373 Sep 26 15:31	18° $\text{G}$ 59'56	-1°00'33	evening rise	14376 Mar 26 10:16	25° $\text{Y}$ 48'34	
minimum elong	14373 Sep 26 13:10	19° $\text{G}$ 03'32	0°59'33		14376 Mar 29 19:50	0° $\text{G}$	
min. Earth dist.	14373 Sep 26 06:40	19° $\text{G}$ 13'26	0.27080 AU		14376 Apr 23 03:27	0° $\text{II}$	
morning rise	14373 Oct 02 18:46	15° $\text{G}$ 25'35			14376 May 17 10:40	0° $\text{G}$	
direct	14373 Oct 17 10:57	11° $\text{G}$ 15'50			14376 Jun 10 18:54	0° $\Omega$	
greatest brilliancy	14373 Oct 27 03:04	12° $\text{G}$ 59'42	-4.8m	asc. node	14376 Jun 30 04:41	23° $\text{G}$ 46'57	
	14373 Nov 22 15:11	0° $\text{M}$			14376 Jul 05 07:04	0° $\text{M}$	
morning max el	14373 Dec 05 21:13	12° $\text{M}$ 09'03	46°08'58		14376 Jul 30 03:46	0° $\text{G}$	
	14373 Dec 23 09:10	0° $\text{Z}$			14376 Aug 24 17:45	0° $\text{M}$	
asc. node	14374 Jan 13 20:40	23° $\text{Z}$ 35'35			14376 Sep 20 24:00	0° $\text{Z}$	
	14374 Jan 19 12:13	0° $\text{Z}$		evening max el	14376 Sep 27 10:57	6° $\text{Z}$ 35'03	46°32'37
	14374 Feb 14 07:20	0° $\approx$		desc. node	14376 Oct 20 03:33	26° $\text{Z}$ 49'07	
	14374 Mar 11 10:15	0° $\text{H}$			14376 Oct 24 14:43	0° $\text{Z}$	
	14374 Apr 05 03:53	0° $\text{Y}$		greatest brilliancy	14376 Nov 05 21:24	6° $\text{Z}$ 34'55	-4.8m
	14374 Apr 29 15:17	0° $\text{G}$		retrograde	14376 Nov 16 13:14	8° $\text{Z}$ 40'53	
desc. node	14374 May 05 16:39	7° $\text{G}$ 28'01		evening set	14376 Dec 04 14:21	2° $\text{Z}$ 33'32	
	14374 May 23 21:40	0° $\text{II}$		inferior conj	14376 Dec 07 22:52	0° $\text{Z}$ 29'32	-8°44'13

minimum elong	14376 Dec 07 18:39	0° $\text{B}$ 36'06	8°42'55	superior conj	14379 Apr 29 05:08	18° $\text{B}$ 12'05	-0°50'15
min. Earth dist.	14376 Dec 07 08:51	0° $\text{B}$ 51'22	0.28486 AU	minimum elong	14379 Apr 28 18:52	17° $\text{B}$ 40'14	0°50'32
	14376 Dec 08 17:51	30° $\text{R}$ $\text{A}$			14379 May 08 17:10	0° $\text{II}$	
morning rise	14376 Dec 10 23:06	28° $\text{A}$ 38'15			14379 Jun 01 19:33	0° $\text{B}$	
direct	14376 Dec 29 03:13	22° $\text{A}$ 27'08		evening rise	14379 Jun 07 05:03	6° $\text{B}$ 43'54	
greatest brilliancy	14377 Jan 07 23:49	24° $\text{A}$ 12'36	-4.8m		14379 Jun 25 20:31	0° $\text{Q}$	
	14377 Jan 19 15:39	0° $\text{B}$			14379 Jul 19 21:44	0° $\text{M}$	
asc. node	14377 Feb 10 06:23	17° $\text{B}$ 10'56		asc. node	14379 Jul 28 17:57	11° $\text{M}$ 00'15	
morning max el	14377 Feb 16 01:46	22° $\text{B}$ 40'11	45°43'20		14379 Aug 13 01:15	0° $\text{B}$	
	14377 Feb 23 10:56	0° $\approx$			14379 Sep 06 09:37	0° $\text{M}$	
	14377 Mar 23 07:10	0° $\text{H}$			14379 Oct 01 02:58	0° $\text{A}$	
	14377 Apr 18 07:23	0° $\text{Y}$			14379 Oct 26 13:27	0° $\text{B}$	
	14377 May 13 11:08	0° $\text{B}$		desc. node	14379 Nov 17 13:35	24° $\text{B}$ 43'06	
desc. node	14377 Jun 02 05:49	24° $\text{B}$ 02'09			14379 Nov 22 11:27	0° $\approx$	
	14377 Jun 07 02:42	0° $\text{II}$		evening max el	14379 Dec 08 19:15	16° $\approx$ 40'35	46°05'36
	14377 Jul 01 10:07	0° $\text{B}$			14379 Dec 23 12:18	0° $\text{H}$	
	14377 Jul 25 12:21	0° $\text{Q}$		greatest brilliancy	14380 Jan 16 23:01	15° $\text{H}$ 17'49	-4.8m
morning set	14377 Aug 18 04:11	29° $\text{Q}$ 35'37		retrograde	14380 Jan 26 23:19	17° $\text{H}$ 06'46	
	14377 Aug 18 11:58	0° $\text{M}$		evening set	14380 Feb 12 04:19	12° $\text{H}$ 02'58	
	14377 Sep 11 10:53	0° $\text{B}$		inferior conj	14380 Feb 17 07:56	8° $\text{H}$ 54'22	-4°57'12
asc. node	14377 Sep 22 20:54	14° $\text{B}$ 17'34		minimum elong	14380 Feb 17 17:26	8° $\text{H}$ 39'28	4°54'18
				min. Earth dist.	14380 Feb 17 16:12	8° $\text{H}$ 41'24	0.28644 AU
superior conj	14377 Sep 26 17:06	19° $\text{B}$ 06'00	0°09'23	morning rise	14380 Feb 23 06:31	5° $\text{H}$ 19'19	
minimum elong	14377 Sep 26 14:44	18° $\text{B}$ 58'36	0°09'30	direct	14380 Mar 09 16:16	0° $\text{H}$ 42'22	
behind sun begin	14377 Sep 25 18:28	17° $\text{B}$ 55'14		asc. node	14380 Mar 09 15:26	0° $\text{H}$ 42'23	
behind sun end	14377 Sep 27 10:59	20° $\text{B}$ 01'58		greatest brilliancy	14380 Mar 20 11:06	2° $\text{H}$ 50'56	-4.8m
max. Earth dist.	14377 Sep 28 02:32	20° $\text{B}$ 50'33	1.71749 AU		14380 Apr 26 04:19	0° $\text{Y}$	
	14377 Oct 05 10:19	0° $\text{M}$		morning max el	14380 Apr 28 03:20	1° $\text{Y}$ 54'45	46°04'54
	14377 Oct 29 11:10	0° $\text{A}$			14380 May 24 17:19	0° $\text{B}$	
evening rise	14377 Nov 04 03:20	7° $\text{A}$ 03'47			14380 Jun 19 20:34	0° $\text{II}$	
	14377 Nov 22 14:46	0° $\text{B}$		desc. node	14380 Jun 29 17:39	11° $\text{II}$ 42'08	
	14377 Dec 16 23:02	0° $\approx$			14380 Jul 14 22:58	0° $\text{B}$	
	14378 Jan 10 13:57	0° $\text{H}$			14380 Aug 08 12:20	0° $\text{Q}$	
desc. node	14378 Jan 12 11:34	2° $\text{H}$ 17'59			14380 Sep 01 19:02	0° $\text{M}$	
	14378 Feb 04 13:13	0° $\text{Y}$			14380 Sep 25 22:52	0° $\text{B}$	
	14378 Mar 01 22:55	0° $\text{B}$		asc. node	14380 Oct 20 11:19	0° $\text{M}$ 29'45	
	14378 Mar 28 00:49	0° $\text{II}$			14380 Oct 20 01:45	0° $\text{M}$	
	14378 Apr 24 14:16	0° $\text{B}$		morning set	14380 Oct 30 02:42	12° $\text{M}$ 29'26	
evening max el	14378 May 03 01:20	8° $\text{B}$ 33'52	46°20'22		14380 Nov 13 04:29	0° $\text{A}$	
asc. node	14378 May 05 08:07	10° $\text{B}$ 47'49					
	14378 May 27 15:36	0° $\text{Q}$		superior conj	14380 Dec 06 23:55	29° $\text{A}$ 35'32	1°24'07
greatest brilliancy	14378 Jun 12 09:48	8° $\text{Q}$ 36'16	-4.8m	minimum elong	14380 Dec 06 19:24	29° $\text{A}$ 21'32	1°25'06
retrograde	14378 Jun 21 20:57	10° $\text{Q}$ 17'26			14380 Dec 07 07:48	0° $\text{B}$	
evening set	14378 Jul 09 16:09	4° $\text{Q}$ 13'59		max. Earth dist.	14380 Dec 09 07:54	2° $\text{B}$ 29'15	1.72630 AU
inferior conj	14378 Jul 12 13:26	2° $\text{Q}$ 28'17	8°42'19		14380 Dec 31 12:51	0° $\approx$	
minimum elong	14378 Jul 12 20:18	2° $\text{Q}$ 17'41	8°40'40	evening rise	14381 Jan 13 04:28	15° $\approx$ 37'03	
min. Earth dist.	14378 Jul 13 03:28	2° $\text{Q}$ 06'38	0.27390 AU		14381 Jan 24 20:53	0° $\text{H}$	
morning rise	14378 Jul 16 00:21	0° $\text{Q}$ 21'57		desc. node	14381 Feb 09 01:13	18° $\text{H}$ 37'20	
	14378 Jul 16 15:15	30° $\text{R}$ $\text{B}$			14381 Feb 18 08:25	0° $\text{Y}$	
direct	14378 Aug 02 09:38	24° $\text{B}$ 31'49			14381 Mar 14 23:09	0° $\text{B}$	
greatest brilliancy	14378 Aug 12 13:20	26° $\text{B}$ 28'39	-4.9m		14381 Apr 08 16:57	0° $\text{II}$	
	14378 Aug 20 00:38	0° $\text{Q}$			14381 May 03 15:32	0° $\text{B}$	
desc. node	14378 Aug 25 11:21	3° $\text{Q}$ 24'51			14381 May 29 00:24	0° $\text{Q}$	
morning max el	14378 Sep 21 21:11	27° $\text{Q}$ 14'19	46°51'27	asc. node	14381 Jun 01 18:39	4° $\text{Q}$ 22'18	
	14378 Sep 24 14:55	0° $\text{M}$			14381 Jun 24 08:54	0° $\text{M}$	
	14378 Oct 22 10:01	0° $\text{B}$		evening max el	14381 Jul 15 05:31	22° $\text{M}$ 02'48	46°42'54
	14378 Nov 17 11:54	0° $\text{M}$			14381 Jul 23 10:28	0° $\text{B}$	
	14378 Dec 12 19:58	0° $\text{A}$		greatest brilliancy	14381 Aug 23 21:26	22° $\text{B}$ 21'44	-4.9m
asc. node	14378 Dec 16 11:34	4° $\text{A}$ 22'08		retrograde	14381 Sep 03 10:15	24° $\text{B}$ 25'25	
	14379 Jan 06 17:47	0° $\text{B}$		evening set	14381 Sep 17 21:51	20° $\text{B}$ 18'08	
	14379 Jan 31 09:08	0° $\approx$		desc. node	14381 Sep 21 20:16	18° $\text{B}$ 03'09	
	14379 Feb 24 20:32	0° $\text{H}$		inferior conj	14381 Sep 24 04:42	16° $\text{B}$ 37'24	-0°36'45
	14379 Mar 21 05:32	0° $\text{Y}$		minimum elong	14381 Sep 24 03:16	16° $\text{B}$ 39'35	0°36'05
morning set	14379 Mar 21 13:55	0° $\text{Y}$ 25'49		min. Earth dist.	14381 Sep 23 21:22	16° $\text{B}$ 48'36	0.27050 AU
desc. node	14379 Apr 07 04:24	20° $\text{Y}$ 55'33		morning rise	14381 Sep 30 09:09	13° $\text{B}$ 01'03	
	14379 Apr 14 12:31	0° $\text{B}$		direct	14381 Oct 14 23:40	8° $\text{B}$ 53'36	
max. Earth dist.	14379 Apr 26 13:52	14° $\text{B}$ 55'55	1.72544 AU	greatest brilliancy	14381 Oct 24 16:52	10° $\text{B}$ 37'59	-4.8m



	14381 Nov 22 21:17	0°♌			14384 Jul 04 19:21	0°♐		
morning max el	14381 Dec 03 09:59	9°♌47'26	46°10'21		14384 Jul 29 17:05	0°♊		
	14381 Dec 23 02:55	0°♊			14384 Aug 24 09:01	0°♌		
asc. node	14382 Jan 12 22:34	22°♊59'16			14384 Sep 20 20:11	0°♊		
	14382 Jan 19 02:26	0°♊		evening max el	14384 Sep 25 01:34	4°♊16'48	46°33'37	
	14382 Feb 13 19:57	0°♋		desc. node	14384 Oct 19 05:40	25°♊37'59		
	14382 Mar 10 22:02	0°♋			14384 Oct 25 18:53	0°♊		
	14382 Apr 04 15:12	0°♌		greatest brilliancy	14384 Nov 03 11:35	4°♊18'39	-4.8m	
	14382 Apr 29 02:21	0°♌		retrograde	14384 Nov 14 04:58	6°♊26'22		
desc. node	14382 May 04 18:33	6°♌59'53		evening set	14384 Dec 02 02:39	0°♊23'13		
	14382 May 23 08:37	0°♌			14384 Dec 02 18:04	30°♌♊		
morning set	14382 Jun 01 23:45	11°♌58'24		min. Earth dist.	14384 Dec 04 22:56	28°♌♊38'43	0.28446 AU	
	14382 Jun 16 10:45	0°♌		inferior conj	14384 Dec 05 13:58	28°♌♊15'22	-8°39'52	
max. Earth dist.	14382 Jul 10 00:27	29°♌29'53	1.71567 AU	minimum elong	14384 Dec 05 08:58	28°♌♊23'08	8°38'27	
	14382 Jul 10 10:03	0°♌		morning rise	14384 Dec 08 15:25	26°♌♊22'31		
				direct	14384 Dec 26 17:47	20°♌♊13'30		
superior conj	14382 Jul 11 20:09	1°♌46'49	-1°22'54	greatest brilliancy	14385 Jan 05 13:46	21°♌♊58'41	-4.8m	
minimum elong	14382 Jul 12 03:26	2°♌09'37	1°23'43		14385 Jan 20 15:04	0°♊		
	14382 Aug 03 08:14	0°♐		asc. node	14385 Feb 09 08:19	16°♊18'41		
evening rise	14382 Aug 21 01:09	22°♐11'13		morning max el	14385 Feb 13 17:17	20°♊28'03	45°43'27	
asc. node	14382 Aug 25 08:06	27°♐33'29			14385 Feb 23 06:16	0°♋		
	14382 Aug 27 06:55	0°♊			14385 Mar 22 21:47	0°♋		
	14382 Sep 20 07:28	0°♌			14385 Apr 17 20:11	0°♌		
	14382 Oct 14 11:30	0°♊			14385 May 12 23:00	0°♌		
	14382 Nov 07 21:48	0°♊		desc. node	14385 Jun 01 07:45	23°♌♊33'03		
	14382 Dec 02 18:39	0°♋			14385 Jun 06 14:04	0°♌		
desc. node	14382 Dec 15 00:48	14°♋30'16			14385 Jun 30 21:12	0°♌		
	14382 Dec 28 08:24	0°♋			14385 Jul 24 23:16	0°♌		
	14383 Jan 24 02:37	0°♌		morning set	14385 Aug 15 16:33	27°♌10'15		
evening max el	14383 Feb 17 17:56	25°♌26'24	45°57'45		14385 Aug 17 22:46	0°♐		
	14383 Feb 22 13:14	0°♌			14385 Sep 10 21:37	0°♊		
greatest brilliancy	14383 Mar 28 22:53	24°♌12'53	-4.8m	asc. node	14385 Sep 21 22:45	13°♊49'51		
asc. node	14383 Apr 07 00:36	26°♌01'43						
retrograde	14383 Apr 07 21:29	26°♌02'37		superior conj	14385 Sep 24 06:06	16°♊43'02	0°05'40	
evening set	14383 Apr 23 03:29	21°♌30'45		minimum elong	14385 Sep 24 04:39	16°♊38'29	0°05'47	
inferior conj	14383 Apr 28 23:23	18°♌00'19	5°11'27	behind sun begin	14385 Sep 23 05:17	15°♊25'21		
minimum elong	14383 Apr 28 13:27	18°♌15'53	5°08'10	behind sun end	14385 Sep 25 04:01	17°♊51'37		
min. Earth dist.	14383 Apr 28 23:07	18°♌00'44	0.28047 AU	max. Earth dist.	14385 Sep 25 14:56	18°♊25'46	1.71728 AU	
morning rise	14383 May 03 23:05	14°♌57'21			14385 Oct 04 21:00	0°♌		
direct	14383 May 20 01:10	9°♌52'59			14385 Oct 28 21:52	0°♊		
greatest brilliancy	14383 May 30 07:45	11°♌50'35	-4.8m	evening rise	14385 Nov 01 18:29	4°♊48'20		
	14383 Jun 26 09:32	0°♌			14385 Nov 22 01:32	0°♊		
morning max el	14383 Jul 09 05:41	12°♌09'51	46°47'06		14385 Dec 16 09:57	0°♋		
	14383 Jul 26 05:14	0°♌			14386 Jan 10 01:12	0°♋		
desc. node	14383 Jul 28 04:00	2°♌08'06		desc. node	14386 Jan 11 13:23	1°♋49'21		
	14383 Aug 21 15:51	0°♌			14386 Feb 04 01:04	0°♌		
	14383 Sep 15 22:43	0°♐			14386 Mar 01 11:51	0°♌		
	14383 Oct 10 17:40	0°♊			14386 Mar 27 15:50	0°♌		
	14383 Nov 04 06:57	0°♌			14386 Apr 24 10:20	0°♌		
asc. node	14383 Nov 18 01:02	16°♌53'08		evening max el	14386 Apr 30 16:11	6°♌16'35	46°19'19	
	14383 Nov 28 16:54	0°♊		asc. node	14386 May 04 10:09	9°♌55'09		
	14383 Dec 23 00:43	0°♊			14386 May 28 16:00	0°♌		
morning set	14384 Jan 09 06:37	21°♊18'09		greatest brilliancy	14386 Jun 09 22:17	6°♌13'13	-4.8m	
	14384 Jan 16 07:33	0°♋		retrograde	14386 Jun 19 10:29	7°♌54'50		
	14384 Feb 09 14:37	0°♋		evening set	14386 Jul 07 07:52	1°♌47'24		
				inferior conj	14386 Jul 10 02:42	0°♌05'10	8°49'17	
superior conj	14384 Feb 15 03:48	6°♋50'51	0°50'59	minimum elong	14386 Jul 10 08:47	29°♌55'45	8°47'46	
minimum elong	14384 Feb 15 13:15	7°♋20'00	0°51'06		14386 Jul 10 06:02	30°♌♌		
max. Earth dist.	14384 Feb 15 16:43	7°♋30'42	1.73141 AU	min. Earth dist.	14386 Jul 10 15:56	29°♌44'44	0.27422 AU	
	14384 Mar 04 22:26	0°♌		morning rise	14386 Jul 13 09:40	28°♌04'38		
desc. node	14384 Mar 08 15:41	4°♌35'03		direct	14386 Jul 30 23:49	22°♌08'24		
evening rise	14384 Mar 24 01:59	23°♌36'04		greatest brilliancy	14386 Aug 10 01:52	24°♌04'05	-4.9m	
	14384 Mar 29 06:36	0°♌			14386 Aug 21 11:54	0°♌		
	14384 Apr 22 14:24	0°♌		desc. node	14386 Aug 24 13:19	2°♌05'10		
	14384 May 16 21:53	0°♌		morning max el	14386 Sep 19 11:45	24°♌54'23	46°52'09	
	14384 Jun 10 06:33	0°♌			14386 Sep 24 12:04	0°♐		
asc. node	14384 Jun 29 06:33	23°♌15'42			14386 Oct 22 01:37	0°♊		

	14386 Nov 17 01:14	0°♍		asc. node	14389 May 31 20:30	3°♌46'29	
	14386 Dec 12 08:05	0°♊			14389 Jun 24 02:01	0°♎	
asc. node	14386 Dec 15 13:21	3°♊51'32		evening max el	14389 Jul 12 18:20	19°♎38'39	46°42'24
	14387 Jan 06 05:11	0°♊			14389 Jul 23 13:45	0°♌	
	14387 Jan 30 20:04	0°♊		greatest brilliancy	14389 Aug 21 12:39	20°♌00'19	-4.9m
	14387 Feb 24 07:11	0°♊		retrograde	14389 Aug 31 22:56	22°♌02'01	
morning set	14387 Mar 19 05:58	28°♊14'56		evening set	14389 Sep 15 11:31	17°♌54'19	
	14387 Mar 20 16:03	0°♊		desc. node	14389 Sep 20 22:24	14°♌44'18	
desc. node	14387 Apr 06 06:19	20°♊29'00		inferior conj	14389 Sep 21 17:40	14°♌14'53	-0°12'34
	14387 Apr 13 23:00	0°♊		minimum elong	14389 Sep 21 17:10	14°♌15'38	0°12'16
max. Earth dist.	14387 Apr 24 05:02	12°♊41'33	1.72580 AU	transit middle	14389 Sep 21 17:10	14°♌15'38	0°12'16
				transit begin	14389 Sep 21 14:26	14°♌19'50	
superior conj	14387 Apr 26 19:21	15°♊54'42	-0°47'15	transit end	14389 Sep 21 19:55	14°♌11'26	
minimum elong	14387 Apr 26 09:28	15°♊24'04	0°47'30	min. Earth dist.	14389 Sep 21 12:07	14°♌23'21	0.27025 AU
	14387 May 08 03:44	0°♊		morning rise	14389 Sep 27 23:09	10°♌36'50	
	14387 Jun 01 06:12	0°♊		direct	14389 Oct 12 11:48	6°♌31'02	
evening rise	14387 Jun 04 17:59	4°♊21'11		greatest brilliancy	14389 Oct 22 07:05	8°♌16'51	-4.8m
	14387 Jun 25 07:19	0°♊			14389 Nov 23 01:08	0°♍	
	14387 Jul 19 08:43	0°♎		morning max el	14389 Nov 30 22:37	7°♍25'58	46°11'54
asc. node	14387 Jul 27 19:41	10°♎31'13			14389 Dec 22 19:57	0°♊	
	14387 Aug 12 12:32	0°♌		asc. node	14390 Jan 12 00:30	22°♊24'18	
	14387 Sep 05 21:21	0°♍			14390 Jan 18 16:09	0°♊	
	14387 Sep 30 15:28	0°♊			14390 Feb 13 08:10	0°♊	
	14387 Oct 26 03:28	0°♊			14390 Mar 10 09:27	0°♊	
desc. node	14387 Nov 16 15:32	24°♊03'31			14390 Apr 04 02:11	0°♊	
	14387 Nov 22 05:00	0°♊			14390 Apr 28 13:04	0°♊	
evening max el	14387 Dec 06 10:48	14°♊28'39	46°06'19	desc. node	14390 May 03 20:26	6°♊32'43	
	14387 Dec 23 20:24	0°♊			14390 May 22 19:11	0°♊	
greatest brilliancy	14388 Jan 14 14:52	13°♊07'13	-4.8m	morning set	14390 May 30 12:10	9°♊34'50	
retrograde	14388 Jan 24 14:32	14°♊55'29			14390 Jun 15 21:16	0°♊	
evening set	14388 Feb 09 22:46	9°♊48'01		max. Earth dist.	14390 Jul 07 08:42	26°♊52'27	1.71590 AU
inferior conj	14388 Feb 14 23:39	6°♊43'06	-5°14'24				
minimum elong	14388 Feb 15 09:27	6°♊27'43	5°11'27	superior conj	14390 Jul 09 08:27	29°♊22'03	-1°24'02
min. Earth dist.	14388 Feb 15 07:51	6°♊30'13	0.28659 AU	minimum elong	14390 Jul 09 14:52	29°♊42'09	1°24'55
morning rise	14388 Feb 20 20:05	3°♊10'44			14390 Jul 09 20:34	0°♊	
	14388 Feb 27 18:11	30°♋			14390 Aug 02 18:48	0°♎	
direct	14388 Mar 07 08:12	28°♋31'20		evening rise	14390 Aug 18 13:14	19°♎45'30	
asc. node	14388 Mar 08 17:27	28°♋33'36		asc. node	14390 Aug 24 10:01	27°♎06'09	
	14388 Mar 16 05:48	0°♊			14390 Aug 26 17:35	0°♌	
greatest brilliancy	14388 Mar 18 02:20	0°♊38'53	-4.8m		14390 Sep 19 18:14	0°♍	
morning max el	14388 Apr 25 17:52	29°♊39'34	46°03'30		14390 Oct 13 22:29	0°♊	
	14388 Apr 26 02:10	0°♊			14390 Nov 07 09:09	0°♊	
	14388 May 24 08:43	0°♊			14390 Dec 02 06:42	0°♊	
	14388 Jun 19 09:44	0°♊		desc. node	14390 Dec 14 02:39	13°♋58'51	
desc. node	14388 Jun 28 19:30	11°♊09'52			14390 Dec 27 21:46	0°♊	
	14388 Jul 14 11:05	0°♊			14391 Jan 23 18:51	0°♊	
	14388 Aug 07 23:51	0°♊		evening max el	14391 Feb 15 08:15	23°♊11'18	45°57'32
	14388 Sep 01 06:10	0°♎			14391 Feb 22 14:22	0°♊	
	14388 Sep 25 09:43	0°♌		greatest brilliancy	14391 Mar 26 12:55	21°♊56'42	-4.8m
asc. node	14388 Oct 19 13:13	0°♍02'31		retrograde	14391 Apr 05 12:12	23°♊47'15	
	14388 Oct 19 12:24	0°♍		asc. node	14391 Apr 06 02:41	23°♊46'49	
morning set	14388 Oct 27 17:03	10°♍11'54		evening set	14391 Apr 20 16:01	19°♊17'44	
	14388 Nov 12 15:00	0°♊		inferior conj	14391 Apr 26 14:11	15°♊44'24	4°52'47
				minimum elong	14391 Apr 26 04:37	15°♊59'22	4°49'35
superior conj	14388 Dec 04 15:57	27°♊23'55	1°23'16	min. Earth dist.	14391 Apr 26 14:04	15°♊44'36	0.28062 AU
minimum elong	14388 Dec 04 10:43	27°♊07'39	1°24'14	morning rise	14391 May 01 16:53	12°♊37'24	
	14388 Dec 06 18:14	0°♊		direct	14391 May 17 16:03	7°♊36'39	
max. Earth dist.	14388 Dec 07 00:07	0°♊18'14	1.72599 AU	greatest brilliancy	14391 May 27 23:43	9°♊35'33	-4.8m
	14388 Dec 30 23:18	0°♊			14391 Jun 26 13:12	0°♊	
evening rise	14389 Jan 10 20:25	13°♊25'51		morning max el	14391 Jul 06 20:43	9°♊53'10	46°46'10
	14389 Jan 24 07:26	0°♊			14391 Jul 25 22:14	0°♊	
desc. node	14389 Feb 08 03:03	18°♊10'17		desc. node	14391 Jul 27 06:01	1°♊27'33	
	14389 Feb 17 19:11	0°♊			14391 Aug 21 05:48	0°♊	
	14389 Mar 14 10:15	0°♊			14391 Sep 15 11:15	0°♎	
	14389 Apr 08 04:33	0°♊			14391 Oct 10 05:25	0°♌	
	14389 May 03 03:58	0°♊			14391 Nov 03 18:10	0°♍	
	14389 May 28 14:20	0°♊		asc. node	14391 Nov 17 02:48	16°♍24'43	

	14391 Nov 28 03:45	0°♊		asc. node	14394 May 03 12:01	9°♊00'49	
	14391 Dec 22 11:19	0°♋			14394 May 30 02:31	0°♌	
morning set	14392 Jan 06 23:14	19°♋08'43		greatest brilliancy	14394 Jun 07 11:13	3°♌50'36	-4.8m
	14392 Jan 15 18:01	0°♌		retrograde	14394 Jun 16 23:35	5°♌31'57	
	14392 Feb 09 01:03	0°♍			14394 Jul 03 21:20	30°♍	
				evening set	14394 Jul 04 23:16	29°♍21'19	
superior conj	14392 Feb 12 20:00	4°♍40'38	0°53'41	inferior conj	14394 Jul 07 15:59	27°♍41'58	8°55'15
minimum elong	14392 Feb 13 05:39	5°♍10'25	0°53'50	minimum elong	14394 Jul 07 21:15	27°♍33'49	8°53'53
max. Earth dist.	14392 Feb 13 12:56	5°♍32'53	1.73142 AU	min. Earth dist.	14394 Jul 08 04:36	27°♍22'26	0.27450 AU
	14392 Mar 04 08:55	0°♎		morning rise	14394 Jul 10 19:11	25°♍46'47	
desc. node	14392 Mar 07 17:34	4°♎08'32		direct	14394 Jul 28 13:41	19°♍44'54	
evening rise	14392 Mar 21 17:34	21°♎23'41		greatest brilliancy	14394 Aug 07 14:42	21°♍39'32	-4.9m
	14392 Mar 28 17:12	0°♏			14394 Aug 22 13:03	0°♎	
	14392 Apr 22 01:12	0°♐		desc. node	14394 Aug 23 15:21	0°♎47'53	
	14392 May 16 08:58	0°♑		morning max el	14394 Sep 17 01:24	22°♎31'57	46°53'03
	14392 Jun 09 18:03	0°♒			14394 Sep 24 08:30	0°♏	
asc. node	14392 Jun 28 08:23	22°♒45'01			14394 Oct 21 16:56	0°♑	
	14392 Jul 04 07:27	0°♓			14394 Nov 16 14:25	0°♒	
	14392 Jul 29 06:12	0°♑			14394 Dec 11 20:08	0°♓	
	14392 Aug 24 00:13	0°♒		asc. node	14394 Dec 14 15:16	3°♓21'26	
	14392 Sep 20 16:47	0°♓			14395 Jan 05 16:35	0°♋	
evening max el	14392 Sep 22 16:56	2°♓01'07	46°34'25		14395 Jan 30 07:03	0°♌	
desc. node	14392 Oct 18 07:36	24°♓24'46			14395 Feb 23 17:57	0°♍	
	14392 Oct 27 11:32	0°♋		morning set	14395 Mar 16 21:57	26°♍03'26	
greatest brilliancy	14392 Nov 01 01:15	2°♋02'00	-4.8m		14395 Mar 20 02:43	0°♎	
retrograde	14392 Nov 11 20:46	4°♋11'34		desc. node	14395 Apr 05 08:06	20°♎01'36	
	14392 Nov 26 11:27	30°♋			14395 Apr 13 09:39	0°♏	
evening set	14392 Nov 29 14:30	28°♋13'07		max. Earth dist.	14395 Apr 21 18:49	10°♏22'34	1.72615 AU
min. Earth dist.	14392 Dec 02 12:37	26°♋26'03	0.28407 AU				
inferior conj	14392 Dec 03 04:52	26°♋00'51	-8°34'31	superior conj	14395 Apr 24 09:30	13°♏36'46	-0°44'10
minimum elong	14392 Dec 02 23:07	26°♋09'46	8°33'01	minimum elong	14395 Apr 24 00:05	13°♏07'34	0°44'24
morning rise	14392 Dec 06 07:56	24°♋05'52			14395 May 07 14:26	0°♐	
direct	14392 Dec 24 08:48	17°♋59'41			14395 May 31 17:01	0°♑	
greatest brilliancy	14393 Jan 03 03:07	19°♋43'56	-4.8m	evening rise	14395 Jun 02 06:52	1°♑57'56	
	14393 Jan 21 08:17	0°♋			14395 Jun 24 18:17	0°♒	
asc. node	14393 Feb 08 10:22	15°♋27'43			14395 Jul 18 19:54	0°♓	
morning max el	14393 Feb 11 08:58	18°♋16'27	45°43'34	asc. node	14395 Jul 26 21:39	10°♓02'15	
	14393 Feb 23 01:00	0°♌			14395 Aug 12 00:02	0°♑	
	14393 Mar 22 12:09	0°♍			14395 Sep 05 09:18	0°♒	
	14393 Apr 17 08:48	0°♎			14395 Sep 30 04:12	0°♓	
	14393 May 12 10:45	0°♏			14395 Oct 25 17:43	0°♋	
desc. node	14393 May 31 09:29	23°♏03'31		desc. node	14395 Nov 15 17:24	23°♋23'07	
	14393 Jun 06 01:21	0°♐			14395 Nov 21 23:02	0°♌	
	14393 Jun 30 08:13	0°♑		evening max el	14395 Dec 04 01:30	12°♌14'24	46°07'02
	14393 Jul 24 10:06	0°♒			14395 Dec 24 07:32	0°♍	
morning set	14393 Aug 13 05:13	24°♒46'06		greatest brilliancy	14396 Jan 12 06:59	10°♍56'51	-4.8m
	14393 Aug 17 09:28	0°♓		retrograde	14396 Jan 22 05:33	12°♍44'28	
	14393 Sep 10 08:12	0°♑		evening set	14396 Feb 07 17:25	7°♍32'59	
asc. node	14393 Sep 21 00:36	13°♑22'31		inferior conj	14396 Feb 12 15:35	4°♍31'59	-5°30'52
				minimum elong	14396 Feb 13 01:37	4°♍16'13	5°27'55
superior conj	14393 Sep 21 19:24	14°♑21'20	0°01'56	min. Earth dist.	14396 Feb 12 23:55	4°♍18'54	0.28679 AU
minimum elong	14393 Sep 21 18:52	14°♑19'42	0°02'04	morning rise	14396 Feb 18 09:43	1°♍02'29	
behind sun begin	14393 Sep 20 18:12	13°♑02'29			14396 Feb 20 08:07	30°♍	
behind sun end	14393 Sep 22 19:33	15°♑36'55		direct	14396 Mar 04 23:56	26°♌20'11	
max. Earth dist.	14393 Sep 23 06:16	16°♑10'27	1.71703 AU	asc. node	14396 Mar 07 19:30	26°♌29'23	
	14393 Oct 04 07:33	0°♒		greatest brilliancy	14396 Mar 15 18:25	28°♌27'28	-4.8m
	14393 Oct 28 08:26	0°♓			14396 Mar 19 08:52	0°♍	
evening rise	14393 Oct 30 09:54	2°♓33'59		morning max el	14396 Apr 23 08:06	27°♍22'51	46°02'05
	14393 Nov 21 12:13	0°♋			14396 Apr 25 23:31	0°♎	
	14393 Dec 15 20:51	0°♌			14396 May 24 00:11	0°♏	
	14394 Jan 09 12:28	0°♍			14396 Jun 18 23:05	0°♐	
desc. node	14394 Jan 10 15:13	1°♍20'47		desc. node	14396 Jun 27 21:30	10°♐37'24	
	14394 Feb 03 13:00	0°♎			14396 Jul 13 23:24	0°♑	
	14394 Mar 01 00:57	0°♏			14396 Aug 07 11:35	0°♒	
	14394 Mar 27 07:09	0°♐			14396 Aug 31 17:32	0°♓	
	14394 Apr 24 07:10	0°♑			14396 Sep 24 20:51	0°♑	
evening max el	14394 Apr 28 06:41	3°♑58'17	46°18'13	asc. node	14396 Oct 18 14:58	29°♑33'56	

	14396 Oct 18 23:20	0°♌		asc. node	14399 Apr 05 04:30	21°♊26'39	
morning set	14396 Oct 25 07:29	7°♌53'37		evening set	14399 Apr 18 05:01	17°♊04'21	
	14396 Nov 12 01:46	0°♊		inferior conj	14399 Apr 24 05:11	13°♊28'09	4°33'51
				minimum elong	14399 Apr 23 20:01	13°♊42'28	4°30'43
superior conj	14396 Dec 02 08:17	25°♊12'26	1°22'18	min. Earth dist.	14399 Apr 24 04:51	13°♊28'41	0.28081 AU
minimum elong	14396 Dec 02 02:22	24°♊54'05	1°23'15	morning rise	14399 Apr 29 10:47	10°♊17'20	
max. Earth dist.	14396 Dec 04 15:02	28°♊02'26	1.72563 AU	direct	14399 May 15 07:39	5°♊20'10	
	14396 Dec 06 04:54	0°♊		greatest brilliancy	14399 May 25 15:21	7°♊19'35	-4.8m
	14396 Dec 30 09:58	0°♊			14399 Jun 26 15:43	0°♊	
evening rise	14397 Jan 08 12:45	11°♊15'13		morning max el	14399 Jul 04 12:26	7°♊37'04	46°44'52
	14397 Jan 23 18:13	0°♊			14399 Jul 25 15:25	0°♊	
desc. node	14397 Feb 07 05:00	17°♊42'52		desc. node	14399 Jul 26 08:01	0°♊46'01	
	14397 Feb 17 06:13	0°♊			14399 Aug 20 20:06	0°♊	
	14397 Mar 13 21:40	0°♊			14399 Sep 15 00:11	0°♊	
	14397 Apr 07 16:32	0°♊			14399 Oct 09 17:32	0°♊	
	14397 May 02 16:52	0°♊			14399 Nov 03 05:45	0°♌	
	14397 May 28 04:51	0°♊		asc. node	14399 Nov 16 04:39	15°♌55'26	
asc. node	14397 May 30 22:25	3°♊09'23			14399 Nov 27 14:58	0°♊	
	14397 Jun 23 19:59	0°♊			14399 Dec 21 22:17	0°♊	
evening max el	14397 Jul 10 06:36	17°♊12'02	46°41'58	morning set	14400 Jan 04 15:55	16°♊58'22	
	14397 Jul 23 19:27	0°♊			14400 Jan 15 04:50	0°♊	
greatest brilliancy	14397 Aug 19 03:20	17°♊36'56	-4.9m		14400 Feb 08 11:49	0°♊	
retrograde	14397 Aug 29 11:40	19°♊37'27					
evening set	14397 Sep 13 01:17	15°♊28'34		superior conj	14400 Feb 10 12:29	2°♊30'12	0°56'16
inferior conj	14397 Sep 19 06:31	11°♊50'51	0°11'39	minimum elong	14400 Feb 10 22:18	3°♊00'28	0°56'29
minimum elong	14397 Sep 19 06:59	11°♊50'09	0°11'36	max. Earth dist.	14400 Feb 11 09:48	3°♊35'56	1.73135 AU
transit middle	14397 Sep 19 06:59	11°♊50'09	0°11'36		14400 Mar 03 19:41	0°♊	
transit begin	14397 Sep 19 04:04	11°♊54'36		desc. node	14400 Mar 06 19:20	3°♊40'44	
transit end	14397 Sep 19 09:54	11°♊45'42		evening rise	14400 Mar 19 09:30	19°♊11'30	
min. Earth dist.	14397 Sep 19 02:40	11°♊56'44	0.27005 AU		14400 Mar 28 04:04	0°♊	
desc. node	14397 Sep 20 00:21	11°♊23'41			14400 Apr 21 12:17	0°♊	
morning rise	14397 Sep 25 12:52	8°♊11'36			14400 May 15 20:23	0°♊	
direct	14397 Oct 09 23:57	4°♊06'40			14400 Jun 09 05:55	0°♊	
greatest brilliancy	14397 Oct 19 21:16	5°♊54'19	-4.8m	asc. node	14400 Jun 27 10:20	22°♊13'24	
	14397 Nov 23 03:51	0°♌			14400 Jul 03 20:01	0°♊	
morning max el	14397 Nov 28 12:02	5°♌05'11	46°13'40		14400 Jul 28 19:55	0°♊	
	14397 Dec 22 12:59	0°♊			14400 Aug 23 16:10	0°♌	
asc. node	14398 Jan 11 02:30	21°♊48'49		evening max el	14400 Sep 20 08:37	29°♌44'41	46°35'16
	14398 Jan 18 06:03	0°♊			14400 Sep 20 14:45	0°♊	
	14398 Feb 12 20:36	0°♊		desc. node	14400 Oct 17 09:30	23°♊07'43	
	14398 Mar 09 21:08	0°♊		greatest brilliancy	14400 Oct 29 15:13	29°♊44'09	-4.8m
	14398 Apr 03 13:27	0°♊			14400 Oct 30 08:19	0°♊	
	14398 Apr 28 00:08	0°♊		retrograde	14400 Nov 09 12:23	1°♊54'51	
desc. node	14398 May 02 22:12	6°♊04'06			14400 Nov 19 05:54	30°♊	
	14398 May 22 06:09	0°♊		evening set	14400 Nov 27 02:02	26°♊01'44	
morning set	14398 May 28 00:28	7°♊09'42		min. Earth dist.	14400 Nov 30 02:08	24°♊11'43	0.28360 AU
	14398 Jun 15 08:12	0°♊		inferior conj	14400 Nov 30 19:36	23°♊44'39	-8°28'30
max. Earth dist.	14398 Jul 04 18:39	24°♊18'57	1.71615 AU	minimum elong	14400 Nov 30 13:08	23°♊54'41	8°26'52
				morning rise	14400 Dec 04 00:27	21°♊47'08	
superior conj	14398 Jul 06 20:27	26°♊54'57	-1°25'01	direct	14400 Dec 21 23:51	15°♊44'26	
minimum elong	14398 Jul 07 01:57	27°♊12'13	1°25'57	greatest brilliancy	14400 Dec 31 15:57	17°♊27'10	-4.8m
	14398 Jul 09 07:31	0°♊			14401 Jan 21 21:35	0°♊	
	14398 Aug 02 05:48	0°♊		asc. node	14401 Feb 07 12:20	14°♊36'34	
evening rise	14398 Aug 16 01:01	17°♊17'41		morning max el	14401 Feb 09 00:02	16°♊02'23	45°43'49
asc. node	14398 Aug 23 11:48	26°♊37'12			14401 Feb 22 19:34	0°♊	
	14398 Aug 26 04:38	0°♊			14401 Mar 22 02:37	0°♊	
	14398 Sep 19 05:26	0°♌			14401 Apr 16 21:32	0°♊	
	14398 Oct 13 09:54	0°♊			14401 May 11 22:37	0°♊	
	14398 Nov 06 20:57	0°♊		desc. node	14401 May 30 11:28	22°♊34'23	
	14398 Dec 01 19:12	0°♊			14401 Jun 05 12:45	0°♊	
desc. node	14398 Dec 13 04:36	13°♊26'32			14401 Jun 29 19:23	0°♊	
	14398 Dec 27 11:38	0°♊			14401 Jul 23 21:09	0°♊	
	14399 Jan 23 11:43	0°♊		morning set	14401 Aug 10 17:40	22°♊20'29	
evening max el	14399 Feb 12 23:30	20°♊57'56	45°57'29		14401 Aug 16 20:25	0°♊	
	14399 Feb 22 17:13	0°♊			14401 Sep 09 19:06	0°♊	
greatest brilliancy	14399 Mar 24 02:39	19°♊40'03	-4.8m				
retrograde	14399 Apr 03 03:28	21°♊31'41		superior conj	14401 Sep 19 08:12	11°♊57'06	-0°01'52

minimum elong	14401 Sep 19 08:38	11° $\Omega$ 58'29	0°01'45	min. Earth dist.	14404 Feb 10 15:46	2° $\Upsilon$ 06'58	0.28697 AU
behind sun begin	14401 Sep 18 07:54	10° $\Omega$ 41'02			14404 Feb 14 01:51	30° $\Re$	
behind sun end	14401 Sep 20 09:23	13° $\Omega$ 15'55		morning rise	14404 Feb 15 22:58	28° $\approx$ 54'07	
asc. node	14401 Sep 20 02:21	12° $\Omega$ 53'54		direct	14404 Mar 02 15:09	24° $\approx$ 08'19	
max. Earth dist.	14401 Sep 20 19:48	13° $\Omega$ 48'31	1.71680 AU	asc. node	14404 Mar 06 21:24	24° $\approx$ 29'09	
	14401 Oct 03 18:25	0° $\mathbb{M}$		greatest brilliancy	14404 Mar 13 10:35	26° $\approx$ 16'01	-4.8m
	14401 Oct 27 19:19	0° $\mathcal{A}$			14404 Mar 21 04:35	0° $\mathcal{H}$	
evening rise	14401 Oct 28 00:42	0° $\mathcal{A}$ 16'46		morning max el	14404 Apr 20 22:32	25° $\mathcal{H}$ 06'46	46°00'51
	14401 Nov 20 23:11	0° $\mathcal{Z}$			14404 Apr 25 20:02	0° $\Upsilon$	
	14401 Dec 15 08:01	0° $\approx$			14404 May 23 15:18	0° $\mathcal{B}$	
	14402 Jan 09 00:01	0° $\mathcal{H}$			14404 Jun 18 12:09	0° $\mathbb{I}$	
desc. node	14402 Jan 09 17:10	0° $\mathcal{H}$ 51'44		desc. node	14404 Jun 26 23:24	10° $\mathbb{I}$ 05'16	
	14402 Feb 03 01:13	0° $\Upsilon$			14404 Jul 13 11:26	0° $\mathcal{E}$	
	14402 Feb 28 14:20	0° $\mathcal{B}$			14404 Aug 06 23:01	0° $\Omega$	
	14402 Mar 26 22:50	0° $\mathbb{I}$			14404 Aug 31 04:37	0° $\mathbb{M}$	
	14402 Apr 24 04:48	0° $\mathcal{E}$			14404 Sep 24 07:42	0° $\Omega$	
evening max el	14402 Apr 25 20:25	1° $\mathcal{E}$ 38'03	46°17'14	asc. node	14404 Oct 17 16:48	29° $\Omega$ 06'22	
asc. node	14402 May 02 14:02	8° $\mathcal{E}$ 05'45			14404 Oct 18 10:01	0° $\mathbb{M}$	
	14402 Jun 01 06:47	0° $\Omega$		morning set	14404 Oct 22 21:50	5° $\mathbb{M}$ 35'42	
greatest brilliancy	14402 Jun 05 00:46	1° $\Omega$ 29'14	-4.8m		14404 Nov 11 12:20	0° $\mathcal{A}$	
retrograde	14402 Jun 14 12:25	3° $\Omega$ 09'57					
	14402 Jun 27 02:18	30° $\Re$ $\mathcal{E}$		superior conj	14404 Nov 30 00:16	23° $\mathcal{A}$ 00'22	1°21'12
evening set	14402 Jul 02 14:30	26° $\mathcal{E}$ 56'47		minimum elong	14404 Nov 29 17:43	22° $\mathcal{A}$ 39'59	1°22'06
inferior conj	14402 Jul 05 05:34	25° $\mathcal{E}$ 19'42	9°00'08	max. Earth dist.	14404 Dec 02 04:15	25° $\mathcal{A}$ 41'48	1.72536 AU
minimum elong	14402 Jul 05 09:56	25° $\mathcal{E}$ 12'56	8°58'52		14404 Dec 05 15:25	0° $\mathcal{Z}$	
min. Earth dist.	14402 Jul 05 17:45	25° $\mathcal{E}$ 00'49	0.27481 AU		14404 Dec 29 20:31	0° $\approx$	
morning rise	14402 Jul 08 05:19	23° $\mathcal{E}$ 29'23		evening rise	14405 Jan 06 04:40	9° $\approx$ 03'43	
direct	14402 Jul 26 03:18	17° $\mathcal{E}$ 22'10			14405 Jan 23 04:53	0° $\mathcal{H}$	
greatest brilliancy	14402 Aug 05 04:20	19° $\mathcal{E}$ 16'20	-4.9m	desc. node	14405 Feb 06 06:42	17° $\mathcal{H}$ 15'08	
desc. node	14402 Aug 22 17:18	29° $\mathcal{E}$ 32'52			14405 Feb 16 17:06	0° $\Upsilon$	
	14402 Aug 23 07:28	0° $\Omega$			14405 Mar 13 08:55	0° $\mathcal{B}$	
morning max el	14402 Sep 14 14:15	20° $\Omega$ 07'07	46°53'35		14405 Apr 07 04:22	0° $\mathbb{I}$	
	14402 Sep 24 04:26	0° $\mathbb{M}$			14405 May 02 05:37	0° $\mathcal{E}$	
	14402 Oct 21 08:15	0° $\Omega$			14405 May 27 19:16	0° $\Omega$	
	14402 Nov 16 03:44	0° $\mathbb{M}$		asc. node	14405 May 30 00:26	2° $\Omega$ 33'02	
	14402 Dec 11 08:21	0° $\mathcal{A}$			14405 Jun 23 14:02	0° $\mathbb{M}$	
asc. node	14402 Dec 13 17:16	2° $\mathcal{A}$ 51'05		evening max el	14405 Jul 07 19:30	14° $\mathbb{M}$ 48'13	46°41'45
	14403 Jan 05 04:05	0° $\mathcal{Z}$			14405 Jul 24 02:50	0° $\Omega$	
	14403 Jan 29 18:08	0° $\approx$		greatest brilliancy	14405 Aug 16 17:33	15° $\Omega$ 14'36	-4.9m
	14403 Feb 23 04:46	0° $\mathcal{H}$		retrograde	14405 Aug 27 01:07	17° $\Omega$ 14'49	
morning set	14403 Mar 14 13:47	23° $\mathcal{H}$ 51'15		evening set	14405 Sep 10 15:25	13° $\Omega$ 04'17	
	14403 Mar 19 13:25	0° $\Upsilon$		inferior conj	14405 Sep 16 19:31	9° $\Omega$ 28'28	0°35'43
desc. node	14403 Apr 04 09:52	19° $\Upsilon$ 33'59		minimum elong	14405 Sep 16 20:56	9° $\Omega$ 26'20	0°35'20
	14403 Apr 12 20:21	0° $\mathcal{B}$		min. Earth dist.	14405 Sep 16 16:56	9° $\Omega$ 32'24	0.26987 AU
max. Earth dist.	14403 Apr 19 08:41	8° $\mathcal{B}$ 03'51	1.72648 AU	desc. node	14405 Sep 19 02:14	8° $\Omega$ 05'42	
				morning rise	14405 Sep 23 02:35	5° $\Omega$ 48'36	
superior conj	14403 Apr 21 23:48	11° $\mathcal{B}$ 19'17	-0°41'02	direct	14405 Oct 07 12:38	1° $\Omega$ 44'05	
minimum elong	14403 Apr 21 14:53	10° $\mathcal{B}$ 51'39	0°41'14	greatest brilliancy	14405 Oct 17 11:01	3° $\Omega$ 33'04	-4.8m
	14403 May 07 01:10	0° $\mathbb{I}$			14405 Nov 23 04:32	0° $\mathbb{M}$	
evening rise	14403 May 30 20:07	29° $\mathbb{I}$ 36'05		morning max el	14405 Nov 26 02:25	2° $\mathbb{M}$ 48'07	46°15'12
	14403 May 31 03:48	0° $\mathcal{E}$			14405 Dec 22 05:16	0° $\mathcal{A}$	
	14403 Jun 24 05:10	0° $\Omega$		asc. node	14406 Jan 10 04:23	21° $\mathcal{A}$ 14'08	
	14403 Jul 18 07:00	0° $\mathbb{M}$			14406 Jan 17 19:29	0° $\mathcal{Z}$	
asc. node	14403 Jul 25 23:28	9° $\mathbb{M}$ 33'10			14406 Feb 12 08:41	0° $\approx$	
	14403 Aug 11 11:27	0° $\Omega$			14406 Mar 09 08:30	0° $\mathcal{H}$	
	14403 Sep 04 21:15	0° $\mathbb{M}$			14406 Apr 03 00:25	0° $\Upsilon$	
	14403 Sep 29 17:00	0° $\mathcal{A}$			14406 Apr 27 10:52	0° $\mathcal{B}$	
	14403 Oct 25 08:12	0° $\mathcal{Z}$		desc. node	14406 May 02 00:05	5° $\mathcal{B}$ 36'52	
desc. node	14403 Nov 14 19:26	22° $\mathcal{Z}$ 42'21			14406 May 21 16:46	0° $\mathbb{I}$	
	14403 Nov 21 17:39	0° $\approx$		morning set	14406 May 25 12:43	4° $\mathbb{I}$ 45'37	
evening max el	14403 Dec 01 15:13	9° $\approx$ 57'20	46°07'50		14406 Jun 14 18:46	0° $\mathcal{E}$	
	14403 Dec 24 22:49	0° $\mathcal{H}$		max. Earth dist.	14406 Jul 02 06:12	21° $\mathcal{E}$ 51'39	1.71637 AU
greatest brilliancy	14404 Jan 09 22:47	8° $\mathcal{H}$ 45'30	-4.8m				
retrograde	14404 Jan 19 20:34	10° $\mathcal{H}$ 32'56		superior conj	14406 Jul 04 08:26	24° $\mathcal{E}$ 28'58	-1°25'51
evening set	14404 Feb 05 11:52	5° $\mathcal{H}$ 17'04		minimum elong	14406 Jul 04 13:00	24° $\mathcal{E}$ 43'18	1°26'48
inferior conj	14404 Feb 10 07:18	2° $\mathcal{H}$ 20'15	-5°46'55		14406 Jul 08 18:06	0° $\Omega$	
minimum elong	14404 Feb 10 17:29	2° $\mathcal{H}$ 04'14	5°43'59		14406 Aug 01 16:25	0° $\mathbb{M}$	

evening rise	14406 Aug 13 12:57	14° $\cap$ 51'29			14409 Mar 21 16:27	0° $\text{H}$	
asc. node	14406 Aug 22 13:33	26° $\cap$ 09'21			14409 Apr 16 09:50	0° $\text{Y}$	
	14406 Aug 25 15:18	0° $\underline{\text{L}}$			14409 May 11 10:10	0° $\text{B}$	
	14406 Sep 18 16:11	0° $\cap$		desc. node	14409 May 29 13:22	22° $\text{B}$ 05'47	
	14406 Oct 12 20:50	0° $\text{Z}$			14409 Jun 04 23:53	0° $\text{II}$	
	14406 Nov 06 08:18	0° $\text{Z}$			14409 Jun 29 06:16	0° $\text{G}$	
	14406 Dec 01 07:19	0° $\approx$			14409 Jul 23 07:52	0° $\Omega$	
desc. node	14406 Dec 12 06:30	12° $\approx$ 55'14		morning set	14409 Aug 08 05:54	19° $\Omega$ 55'16	
	14406 Dec 27 01:13	0° $\text{H}$			14409 Aug 16 07:02	0° $\cap$	
	14407 Jan 23 04:34	0° $\text{Y}$			14409 Sep 09 05:39	0° $\underline{\text{L}}$	
evening max el	14407 Feb 10 15:26	18° $\text{Y}$ 47'10	45°57'16				
	14407 Feb 22 21:26	0° $\text{B}$		superior conj	14409 Sep 16 20:58	9° $\underline{\text{L}}$ 33'52	-0°05'39
greatest brilliancy	14407 Mar 21 16:32	17° $\text{B}$ 24'16	-4.8m	minimum elong	14409 Sep 16 22:22	9° $\underline{\text{L}}$ 38'14	0°05'31
retrograde	14407 Mar 31 18:38	19° $\text{B}$ 16'26		behind sun begin	14409 Sep 15 22:44	8° $\underline{\text{L}}$ 24'16	
asc. node	14407 Apr 04 06:34	19° $\text{B}$ 01'37		behind sun end	14409 Sep 17 22:00	10° $\underline{\text{L}}$ 52'11	
evening set	14407 Apr 15 18:07	14° $\text{B}$ 51'24		max. Earth dist.	14409 Sep 18 07:17	11° $\underline{\text{L}}$ 21'15	1.71656 AU
inferior conj	14407 Apr 21 20:01	11° $\text{B}$ 12'27	4°14'25	asc. node	14409 Sep 19 04:13	12° $\underline{\text{L}}$ 26'45	
minimum elong	14407 Apr 21 11:20	11° $\text{B}$ 26'01	4°11'24		14409 Oct 03 04:56	0° $\cap$	
min. Earth dist.	14407 Apr 21 19:28	11° $\text{B}$ 13'19	0.28097 AU	evening rise	14409 Oct 25 15:32	28° $\cap$ 00'34	
morning rise	14407 Apr 27 04:24	7° $\text{B}$ 57'49			14409 Oct 27 05:52	0° $\text{Z}$	
direct	14407 May 12 23:16	3° $\text{B}$ 04'29			14409 Nov 20 09:49	0° $\text{Z}$	
greatest brilliancy	14407 May 23 06:18	5° $\text{B}$ 03'36	-4.8m		14409 Dec 14 18:49	0° $\approx$	
	14407 Jun 26 16:25	0° $\text{II}$			14410 Jan 08 11:12	0° $\text{H}$	
morning max el	14407 Jul 02 03:46	5° $\text{II}$ 21'16	46°43'33	desc. node	14410 Jan 08 18:57	0° $\text{H}$ 23'21	
desc. node	14407 Jul 25 09:54	0° $\text{G}$ 05'50			14410 Feb 02 13:06	0° $\text{Y}$	
	14407 Jul 25 07:48	0° $\text{G}$			14410 Feb 28 03:29	0° $\text{B}$	
	14407 Aug 20 09:48	0° $\Omega$			14410 Mar 26 14:28	0° $\text{II}$	
	14407 Sep 14 12:36	0° $\cap$		evening max el	14410 Apr 23 09:15	29° $\text{II}$ 16'10	46°16'02
	14407 Oct 09 05:09	0° $\underline{\text{L}}$			14410 Apr 24 03:07	0° $\text{G}$	
	14407 Nov 02 16:49	0° $\cap$		asc. node	14410 May 01 16:02	7° $\text{G}$ 09'47	
asc. node	14407 Nov 15 06:37	15° $\cap$ 27'59		greatest brilliancy	14410 Jun 02 14:28	29° $\text{G}$ 07'56	-4.8m
	14407 Nov 27 01:39	0° $\text{Z}$			14410 Jun 05 13:53	0° $\Omega$	
	14407 Dec 21 08:44	0° $\text{Z}$		retrograde	14410 Jun 12 00:56	0° $\Omega$ 47'57	
morning set	14408 Jan 02 08:48	14° $\text{Z}$ 50'08			14410 Jun 18 07:44	30° $\text{R}$ $\text{G}$	
	14408 Jan 14 15:11	0° $\approx$		evening set	14410 Jun 30 05:06	24° $\text{G}$ 32'44	
	14408 Feb 07 22:08	0° $\text{H}$		inferior conj	14410 Jul 02 18:59	22° $\text{G}$ 57'24	9°04'05
				minimum elong	14410 Jul 02 22:25	22° $\text{G}$ 52'04	9°02'54
superior conj	14408 Feb 08 05:01	0° $\text{H}$ 21'14	0°58'47	min. Earth dist.	14410 Jul 03 07:00	22° $\text{G}$ 38'44	0.27512 AU
minimum elong	14408 Feb 08 14:55	0° $\text{H}$ 51'46	0°59'02	morning rise	14410 Jul 05 15:41	21° $\text{G}$ 11'31	
max. Earth dist.	14408 Feb 09 06:20	1° $\text{H}$ 39'20	1.73133 AU	direct	14410 Jul 23 16:22	14° $\text{G}$ 59'09	
	14408 Mar 03 06:05	0° $\text{Y}$		greatest brilliancy	14410 Aug 02 18:18	16° $\text{G}$ 53'41	-4.9m
desc. node	14408 Mar 05 21:08	3° $\text{Y}$ 14'12		desc. node	14410 Aug 21 19:17	28° $\text{G}$ 20'20	
evening rise	14408 Mar 17 01:11	16° $\text{Y}$ 59'41			14410 Aug 23 21:04	0° $\Omega$	
	14408 Mar 27 14:37	0° $\text{B}$		morning max el	14410 Sep 12 02:50	17° $\Omega$ 41'57	46°54'18
	14408 Apr 20 23:02	0° $\text{II}$			14410 Sep 23 23:34	0° $\cap$	
	14408 May 15 07:28	0° $\text{G}$			14410 Oct 20 23:07	0° $\underline{\text{L}}$	
	14408 Jun 08 17:27	0° $\Omega$			14410 Nov 15 16:42	0° $\cap$	
asc. node	14408 Jun 26 12:11	21° $\Omega$ 42'30			14410 Dec 10 20:14	0° $\text{Z}$	
	14408 Jul 03 08:15	0° $\cap$		asc. node	14410 Dec 12 19:02	2° $\text{Z}$ 20'48	
	14408 Jul 28 09:20	0° $\underline{\text{L}}$			14411 Jan 04 15:19	0° $\text{Z}$	
	14408 Aug 23 07:57	0° $\cap$			14411 Jan 29 04:56	0° $\approx$	
evening max el	14408 Sep 18 00:16	27° $\cap$ 29'20	46°36'04		14411 Feb 22 15:20	0° $\text{H}$	
	14408 Sep 20 13:04	0° $\text{Z}$		morning set	14411 Mar 12 06:06	21° $\text{H}$ 41'17	
desc. node	14408 Oct 16 11:36	21° $\text{Z}$ 50'03			14411 Mar 18 23:53	0° $\text{Y}$	
greatest brilliancy	14408 Oct 27 06:01	27° $\text{Z}$ 28'45	-4.8m	desc. node	14411 Apr 03 11:48	19° $\text{Y}$ 07'38	
retrograde	14408 Nov 07 03:46	29° $\text{Z}$ 39'38			14411 Apr 12 06:49	0° $\text{B}$	
evening set	14408 Nov 24 13:36	23° $\text{Z}$ 52'24		max. Earth dist.	14411 Apr 17 01:34	5° $\text{B}$ 55'04	1.72687 AU
min. Earth dist.	14408 Nov 27 16:04	21° $\text{Z}$ 58'47	0.28309 AU				
inferior conj	14408 Nov 28 10:27	21° $\text{Z}$ 30'16	-8°21'44	superior conj	14411 Apr 19 14:24	9° $\text{B}$ 03'23	-0°37'51
minimum elong	14408 Nov 28 03:18	21° $\text{Z}$ 41'20	8°19'56	minimum elong	14411 Apr 19 06:01	8° $\text{B}$ 37'27	0°38'02
morning rise	14408 Dec 01 17:18	19° $\text{Z}$ 29'43			14411 May 06 11:43	0° $\text{II}$	
direct	14408 Dec 19 14:48	13° $\text{Z}$ 31'10		evening rise	14411 May 28 09:30	27° $\text{II}$ 15'01	
greatest brilliancy	14408 Dec 29 04:57	15° $\text{Z}$ 12'14	-4.8m		14411 May 30 14:29	0° $\text{G}$	
	14409 Jan 22 06:38	0° $\text{Z}$			14411 Jun 23 16:01	0° $\Omega$	
morning max el	14409 Feb 06 14:09	13° $\text{Z}$ 47'34	45°43'58		14411 Jul 17 18:05	0° $\cap$	
asc. node	14409 Feb 06 14:15	13° $\text{Z}$ 47'48		asc. node	14411 Jul 25 01:14	9° $\cap$ 03'58	
	14409 Feb 22 13:06	0° $\approx$			14411 Aug 10 22:53	0° $\underline{\text{L}}$	

	14411 Sep 04 09:11	0°♌			14414 Feb 11 20:55	0°♏		
	14411 Sep 29 05:49	0°♌			14414 Mar 08 20:02	0°♏		
	14411 Oct 24 22:46	0°♏			14414 Apr 02 11:32	0°♏		
desc. node	14411 Nov 13 21:22	22°♏01'06			14414 Apr 26 21:46	0°♏		
	14411 Nov 21 12:40	0°♏		desc. node	14414 May 01 01:57	5°♏09'02		
evening max el	14411 Nov 29 05:06	7°♏41'01 46°08'47			14414 May 21 03:32	0°♏		
	14411 Dec 25 19:07	0°♏		morning set	14414 May 23 01:38	2°♏23'07		
greatest brilliancy	14412 Jan 07 14:19	6°♏34'30 -4.8m			14414 Jun 14 05:31	0°♏		
retrograde	14412 Jan 17 12:15	8°♏22'28		max. Earth dist.	14414 Jun 29 18:44	19°♏26'52 1.71662 AU		
evening set	14412 Feb 03 06:33	3°♏01'53						
inferior conj	14412 Feb 07 23:12	0°♏09'25 -6°02'26		superior conj	14414 Jul 01 20:52	22°♏03'51 -1°26'31		
minimum elong	14412 Feb 08 09:30	29°♏53'14 5°59'31		minimum elong	14414 Jul 02 00:27	22°♏15'05 1°27'29		
	14412 Feb 08 05:12	30°♏			14414 Jul 08 04:53	0°♏		
min. Earth dist.	14412 Feb 08 07:34	29°♏56'17 0.28713 AU			14414 Aug 01 03:16	0°♏		
morning rise	14412 Feb 13 12:17	26°♏47'05		evening rise	14414 Aug 11 00:57	12°♏24'39		
direct	14412 Feb 29 06:36	21°♏57'18		asc. node	14414 Aug 21 15:30	25°♏41'14		
asc. node	14412 Mar 05 23:26	22°♏34'16			14414 Aug 25 02:15	0°♏		
greatest brilliancy	14412 Mar 11 02:47	24°♏05'34 -4.8m			14414 Sep 18 03:17	0°♏		
	14412 Mar 22 09:48	0°♏			14414 Oct 12 08:12	0°♏		
morning max el	14412 Apr 18 13:51	22°♏53'34 45°59'40			14414 Nov 05 20:06	0°♏		
	14412 Apr 25 15:41	0°♏			14414 Nov 30 19:54	0°♏		
	14412 May 23 06:04	0°♏		desc. node	14414 Dec 11 08:21	12°♏22'26		
	14412 Jun 18 01:05	0°♏			14414 Dec 26 15:18	0°♏		
desc. node	14412 Jun 26 01:14	9°♏33'08			14415 Jan 22 22:09	0°♏		
	14412 Jul 12 23:28	0°♏		evening max el	14415 Feb 08 07:30	16°♏35'52 45°57'10		
	14412 Aug 06 10:33	0°♏			14415 Feb 23 04:06	0°♏		
	14412 Aug 30 15:50	0°♏		greatest brilliancy	14415 Mar 19 07:14	15°♏08'55 -4.8m		
	14412 Sep 23 18:41	0°♏		retrograde	14415 Mar 29 09:34	17°♏00'44		
asc. node	14412 Oct 16 18:43	28°♏38'44		asc. node	14415 Apr 03 08:37	16°♏30'59		
	14412 Oct 17 20:48	0°♏		evening set	14415 Apr 13 07:39	12°♏37'59		
morning set	14412 Oct 20 11:52	3°♏16'25		inferior conj	14415 Apr 19 11:02	8°♏56'35 3°54'40		
	14412 Nov 10 22:59	0°♏		minimum elong	14415 Apr 19 02:54	9°♏09'19 3°51'47		
				min. Earth dist.	14415 Apr 19 10:34	8°♏57'19 0.28109 AU		
superior conj	14412 Nov 27 16:05	20°♏47'29 1°19'58		morning rise	14415 Apr 24 22:01	5°♏38'05		
minimum elong	14412 Nov 27 08:53	20°♏25'06 1°20'50		direct	14415 May 10 14:55	0°♏48'43		
max. Earth dist.	14412 Nov 29 18:39	23°♏24'33 1.72506 AU		greatest brilliancy	14415 May 20 21:28	2°♏47'21 -4.8m		
	14412 Dec 05 02:00	0°♏			14415 Jun 26 16:10	0°♏		
	14412 Dec 29 07:07	0°♏		morning max el	14415 Jun 29 18:27	3°♏03'20 46°42'17		
evening rise	14413 Jan 03 20:44	6°♏52'26		desc. node	14415 Jul 24 11:54	29°♏25'46		
	14413 Jan 22 15:38	0°♏			14415 Jul 25 00:07	0°♏		
desc. node	14413 Feb 05 08:34	16°♏47'41			14415 Aug 19 23:38	0°♏		
	14413 Feb 16 04:04	0°♏			14415 Sep 14 01:13	0°♏		
	14413 Mar 12 20:15	0°♏			14415 Oct 08 17:04	0°♏		
	14413 Apr 06 16:16	0°♏			14415 Nov 02 04:15	0°♏		
	14413 May 01 18:29	0°♏		asc. node	14415 Nov 14 08:22	14°♏58'39		
	14413 May 27 09:56	0°♏			14415 Nov 26 12:47	0°♏		
asc. node	14413 May 29 02:17	1°♏55'45			14415 Dec 20 19:39	0°♏		
	14413 Jun 23 08:45	0°♏		morning set	14415 Dec 31 01:20	12°♏39'27		
evening max el	14413 Jul 05 09:07	12°♏25'46 46°41'11			14416 Jan 14 01:58	0°♏		
	14413 Jul 24 13:28	0°♏						
greatest brilliancy	14413 Aug 14 07:12	12°♏50'17 -4.9m		superior conj	14416 Feb 05 21:25	28°♏10'40 1°01'13		
retrograde	14413 Aug 24 14:48	14°♏50'18		minimum elong	14416 Feb 06 07:20	28°♏41'15 1°01'30		
evening set	14413 Sep 08 05:32	10°♏37'58		max. Earth dist.	14416 Feb 07 01:31	29°♏37'20 1.73124 AU		
inferior conj	14413 Sep 14 08:13	7°♏04'06 1°00'07			14416 Feb 07 08:52	0°♏		
minimum elong	14413 Sep 14 10:34	7°♏00'31 0°59'21			14416 Mar 02 16:51	0°♏		
min. Earth dist.	14413 Sep 14 06:43	7°♏06'22 0.26973 AU		desc. node	14416 Mar 04 23:02	2°♏46'50		
desc. node	14413 Sep 18 04:21	4°♏46'26		evening rise	14416 Mar 14 16:51	14°♏46'44		
morning rise	14413 Sep 20 15:48	3°♏23'57			14416 Mar 27 01:31	0°♏		
	14413 Sep 29 07:12	30°♏			14416 Apr 20 10:11	0°♏		
direct	14413 Oct 05 01:34	29°♏19'36			14416 May 14 18:55	0°♏		
	14413 Oct 10 23:55	0°♏			14416 Jun 08 05:22	0°♏		
greatest brilliancy	14413 Oct 15 00:03	1°♏09'15 -4.8m		asc. node	14416 Jun 25 14:03	21°♏10'38		
	14413 Nov 23 04:29	0°♏			14416 Jul 02 20:50	0°♏		
morning max el	14413 Nov 23 17:05	0°♏30'37 46°16'49			14416 Jul 27 23:09	0°♏		
	14413 Dec 21 21:32	0°♏			14416 Aug 23 00:18	0°♏		
asc. node	14414 Jan 09 06:21	20°♏39'15		evening max el	14416 Sep 15 15:02	25°♏10'38 46°36'36		
	14414 Jan 17 09:02	0°♏			14416 Sep 20 12:48	0°♏		

desc. node	14416 Oct 15 13:31	20°♊28'08			14419 Apr 11 17:39	0°♋	
greatest brilliancy	14416 Oct 24 21:16	25°♊12'15	-4.8m	max. Earth dist.	14419 Apr 14 19:40	3°♋49'00	1.72721 AU
retrograde	14416 Nov 04 18:30	27°♊22'41					
evening set	14416 Nov 22 00:51	21°♊41'38		superior conj	14419 Apr 17 04:44	6°♋45'39	-0°34'34
min. Earth dist.	14416 Nov 25 06:23	19°♊43'25	0.28261 AU	minimum elong	14419 Apr 16 20:57	6°♋21'35	0°34'45
inferior conj	14416 Nov 26 01:12	19°♊14'12	-8°13'56		14419 May 05 22:34	0°♌	
minimum elong	14416 Nov 25 17:26	19°♊26'15	8°12'01	evening rise	14419 May 25 22:51	24°♌53'09	
morning rise	14416 Nov 29 10:19	17°♊10'10			14419 May 30 01:26	0°♍	
direct	14416 Dec 17 05:13	11°♊16'00			14419 Jun 23 03:08	0°♎	
greatest brilliancy	14416 Dec 26 18:34	12°♊56'02	-4.8m		14419 Jul 17 05:27	0°♏	
	14417 Jan 22 13:51	0°♋		asc. node	14419 Jul 24 03:12	8°♏34'35	
morning max el	14417 Feb 04 03:34	11°♋29'17	45°44'18		14419 Aug 10 10:35	0°♐	
asc. node	14417 Feb 05 16:18	12°♋58'32			14419 Sep 03 21:24	0°♑	
	14417 Feb 22 06:47	0°♌			14419 Sep 28 18:56	0°♒	
	14417 Mar 21 06:37	0°♍			14419 Oct 24 13:42	0°♓	
	14417 Apr 15 22:28	0°♎		desc. node	14419 Nov 12 23:16	21°♓18'46	
	14417 May 10 22:02	0°♋			14419 Nov 21 08:29	0°♌	
desc. node	14417 May 28 15:06	21°♋35'44		evening max el	14419 Nov 26 19:41	5°♌25'58	46°09'43
	14417 Jun 04 11:20	0°♌			14419 Dec 26 23:36	0°♍	
	14417 Jun 28 17:29	0°♍		greatest brilliancy	14420 Jan 05 05:00	4°♍21'55	-4.8m
	14417 Jul 22 18:55	0°♎		retrograde	14420 Jan 15 04:16	6°♍11'04	
morning set	14417 Aug 05 18:23	17°♎29'43		evening set	14420 Feb 01 01:09	0°♍45'37	
	14417 Aug 15 17:57	0°♏			14420 Feb 02 07:49	30°♎	
	14417 Sep 08 16:30	0°♐		inferior conj	14420 Feb 05 14:58	27°♎57'28	-6°17'21
				minimum elong	14420 Feb 06 01:20	27°♎41'13	6°14'28
superior conj	14417 Sep 14 10:05	7°♐10'45	-0°09'23	min. Earth dist.	14420 Feb 05 22:53	27°♎45'03	0.28734 AU
minimum elong	14417 Sep 14 12:25	7°♐18'02	0°09'14	morning rise	14420 Feb 11 01:23	24°♎39'17	
behind sun begin	14417 Sep 13 15:40	6°♐13'05		direct	14420 Feb 26 22:22	19°♎45'11	
behind sun end	14417 Sep 15 09:10	8°♐22'59		asc. node	14420 Mar 05 01:27	20°♎42'30	
max. Earth dist.	14417 Sep 15 17:14	8°♐48'13	1.71632 AU	greatest brilliancy	14420 Mar 08 18:30	21°♎53'37	-4.8m
asc. node	14417 Sep 18 06:03	11°♐58'35			14420 Mar 23 07:23	0°♏	
	14417 Oct 02 15:47	0°♑		morning max el	14420 Apr 16 06:07	20°♏41'44	45°58'28
evening rise	14417 Oct 23 06:34	25°♑44'00			14420 Apr 25 11:08	0°♐	
	14417 Oct 26 16:45	0°♒			14420 May 22 20:58	0°♑	
	14417 Nov 19 20:49	0°♓			14420 Jun 17 14:10	0°♒	
	14417 Dec 14 06:03	0°♌		desc. node	14420 Jun 25 03:16	9°♒00'59	
desc. node	14418 Jan 07 20:50	29°♌53'51			14420 Jul 12 11:37	0°♓	
	14418 Jan 07 22:53	0°♍			14420 Aug 05 22:11	0°♔	
	14418 Feb 02 01:31	0°♎			14420 Aug 30 03:08	0°♕	
	14418 Feb 27 17:13	0°♋			14420 Sep 23 05:46	0°♐	
	14418 Mar 26 06:50	0°♌		asc. node	14420 Oct 15 20:26	28°♐10'09	
evening max el	14418 Apr 20 21:48	26°♌52'40	46°15'05		14420 Oct 17 07:42	0°♑	
	14418 Apr 24 02:52	0°♍		morning set	14420 Oct 18 01:59	0°♑56'56	
asc. node	14418 Apr 30 17:55	6°♍11'14			14420 Nov 10 09:44	0°♒	
greatest brilliancy	14418 May 31 03:59	26°♍45'49	-4.8m				
retrograde	14418 Jun 09 13:56	28°♍25'48		superior conj	14420 Nov 25 07:59	18°♒34'26	1°18'36
evening set	14418 Jun 27 19:22	22°♍08'54		minimum elong	14420 Nov 25 00:12	18°♒10'15	1°19'26
inferior conj	14418 Jun 30 08:35	20°♍34'40	9°07'00	max. Earth dist.	14420 Nov 27 10:47	21°♒12'21	1.72475 AU
minimum elong	14418 Jun 30 11:05	20°♍30'46	9°05'54		14420 Dec 04 12:40	0°♓	
min. Earth dist.	14418 Jun 30 20:21	20°♍16'22	0.27543 AU		14420 Dec 28 17:49	0°♌	
morning rise	14418 Jul 03 02:44	18°♍52'37		evening rise	14421 Jan 01 13:00	4°♌41'31	
direct	14418 Jul 21 05:29	12°♍35'35			14421 Jan 22 02:27	0°♍	
greatest brilliancy	14418 Jul 31 08:32	14°♍30'52	-4.9m	desc. node	14421 Feb 04 10:31	16°♍20'12	
desc. node	14418 Aug 20 21:20	27°♍09'19			14421 Feb 15 15:09	0°♎	
	14418 Aug 24 07:30	0°♎			14421 Mar 12 07:45	0°♋	
morning max el	14418 Sep 09 16:32	15°♎18'50	46°55'06		14421 Apr 06 04:24	0°♌	
	14418 Sep 23 18:27	0°♏			14421 May 01 07:39	0°♍	
	14418 Oct 20 14:01	0°♐			14421 May 27 00:58	0°♎	
	14418 Nov 15 05:48	0°♑		asc. node	14421 May 28 04:13	1°♎17'53	
	14418 Dec 10 08:20	0°♒			14421 Jun 23 04:06	0°♏	
asc. node	14418 Dec 11 20:58	1°♒50'22		evening max el	14421 Jul 02 23:35	10°♏05'17	46°40'48
	14419 Jan 04 02:48	0°♓			14421 Jul 25 03:47	0°♐	
	14419 Jan 28 16:03	0°♌		greatest brilliancy	14421 Aug 11 20:54	10°♐26'13	-4.9m
	14419 Feb 22 02:15	0°♍		retrograde	14421 Aug 22 04:31	12°♐25'42	
morning set	14419 Mar 09 22:14	19°♍29'37		evening set	14421 Sep 05 19:58	8°♐11'37	
	14419 Mar 18 10:44	0°♎		inferior conj	14421 Sep 11 20:58	4°♐39'45	1°24'20
desc. node	14419 Apr 02 13:34	18°♎39'41		minimum elong	14421 Sep 12 00:15	4°♐34'45	1°23'14



min. Earth dist.	14421 Sep 11 20:23	4° $\Omega$ 40'38	0.26960 AU		14424 Feb 06 19:20	0° $\mathcal{H}$	
desc. node	14421 Sep 17 06:18	1° $\Omega$ 29'45			14424 Mar 02 03:22	0° $\Upsilon$	
morning rise	14421 Sep 18 04:47	0° $\Omega$ 59'29		desc. node	14424 Mar 04 00:48	2° $\Upsilon$ 19'52	
	14421 Sep 20 04:13	30° $\mathcal{R}\mathcal{M}$		evening rise	14424 Mar 12 08:44	12° $\Upsilon$ 35'19	
direct	14421 Oct 02 14:50	26° $\mathcal{M}$ 55'20			14424 Mar 26 12:10	0° $\mathcal{B}$	
greatest brilliancy	14421 Oct 12 12:42	28° $\mathcal{M}$ 44'57	-4.8m		14424 Apr 19 21:03	0° $\Pi$	
	14421 Oct 15 16:02	0° $\Omega$			14424 May 14 06:08	0° $\mathcal{E}$	
morning max el	14421 Nov 21 07:39	28° $\Omega$ 12'51	46°18'22		14424 Jun 07 17:04	0° $\Omega$	
	14421 Nov 23 03:22	0° $\mathcal{M}$		asc. node	14424 Jun 24 16:00	20° $\Omega$ 39'33	
	14421 Dec 21 13:29	0° $\mathcal{A}$			14424 Jul 02 09:19	0° $\mathcal{M}$	
asc. node	14422 Jan 08 08:19	20° $\mathcal{A}$ 04'43			14424 Jul 27 12:57	0° $\Omega$	
	14422 Jan 16 22:24	0° $\mathcal{B}$			14424 Aug 22 16:48	0° $\mathcal{M}$	
	14422 Feb 11 09:03	0° $\approx$		evening max el	14424 Sep 13 04:54	22° $\mathcal{M}$ 50'06	46°37'19
	14422 Mar 08 07:28	0° $\mathcal{H}$			14424 Sep 20 13:30	0° $\mathcal{A}$	
	14422 Apr 01 22:37	0° $\Upsilon$		desc. node	14424 Oct 14 15:27	19° $\mathcal{A}$ 04'09	
	14422 Apr 26 08:39	0° $\mathcal{B}$		greatest brilliancy	14424 Oct 22 12:42	22° $\mathcal{A}$ 56'25	-4.8m
desc. node	14422 Apr 30 03:43	4° $\mathcal{B}$ 40'58		retrograde	14424 Nov 02 09:00	25° $\mathcal{A}$ 06'26	
morning set	14422 May 20 14:15	29° $\mathcal{B}$ 59'43		evening set	14424 Nov 19 11:56	19° $\mathcal{A}$ 31'32	
	14422 May 20 14:20	0° $\Pi$		min. Earth dist.	14424 Nov 22 20:56	17° $\mathcal{A}$ 28'21	0.28211 AU
	14422 Jun 13 16:17	0° $\mathcal{E}$		inferior conj	14424 Nov 23 15:54	16° $\mathcal{A}$ 58'52	-8°05'23
max. Earth dist.	14422 Jun 27 04:09	16° $\mathcal{E}$ 52'21	1.71684 AU	minimum elong	14424 Nov 23 07:32	17° $\mathcal{A}$ 11'52	8°03'18
				morning rise	14424 Nov 27 03:25	14° $\mathcal{A}$ 51'11	
superior conj	14422 Jun 29 08:55	19° $\mathcal{E}$ 37'32	-1°27'00	direct	14424 Dec 14 19:02	9° $\mathcal{A}$ 01'24	
minimum elong	14422 Jun 29 11:29	19° $\mathcal{E}$ 45'34	1°28'00	greatest brilliancy	14424 Dec 24 08:41	10° $\mathcal{A}$ 41'12	-4.8m
	14422 Jul 07 15:40	0° $\Omega$			14425 Jan 22 18:25	0° $\mathcal{B}$	
	14422 Jul 31 14:05	0° $\mathcal{M}$		morning max el	14425 Feb 01 16:53	9° $\mathcal{B}$ 11'44	45°44'45
evening rise	14422 Aug 08 12:29	9° $\mathcal{M}$ 56'31		asc. node	14425 Feb 04 18:16	12° $\mathcal{B}$ 10'56	
asc. node	14422 Aug 20 17:16	25° $\mathcal{M}$ 12'47			14425 Feb 21 23:41	0° $\approx$	
	14422 Aug 24 13:08	0° $\Omega$			14425 Mar 20 20:14	0° $\mathcal{H}$	
	14422 Sep 17 14:18	0° $\mathcal{M}$			14425 Apr 15 10:40	0° $\Upsilon$	
	14422 Oct 11 19:29	0° $\mathcal{A}$			14425 May 10 09:29	0° $\mathcal{B}$	
	14422 Nov 05 07:50	0° $\mathcal{B}$		desc. node	14425 May 27 17:07	21° $\mathcal{B}$ 07'43	
	14422 Nov 30 08:26	0° $\approx$			14425 Jun 03 22:23	0° $\Pi$	
desc. node	14422 Dec 10 10:21	11° $\approx$ 50'16			14425 Jun 28 04:19	0° $\mathcal{E}$	
	14422 Dec 26 05:24	0° $\mathcal{H}$			14425 Jul 22 05:37	0° $\Omega$	
	14423 Jan 22 15:57	0° $\Upsilon$		morning set	14425 Aug 03 06:31	15° $\Omega$ 03'58	
evening max el	14423 Feb 05 23:04	14° $\Upsilon$ 23'51	45°57'01		14425 Aug 15 04:36	0° $\mathcal{M}$	
	14423 Feb 23 13:01	0° $\mathcal{B}$			14425 Sep 08 03:06	0° $\Omega$	
greatest brilliancy	14423 Mar 16 22:20	12° $\mathcal{B}$ 54'45	-4.8m				
retrograde	14423 Mar 26 23:55	14° $\mathcal{B}$ 45'44		superior conj	14425 Sep 11 22:43	4° $\Omega$ 46'53	-0°13'08
asc. node	14423 Apr 02 10:27	13° $\mathcal{B}$ 55'48		minimum elong	14425 Sep 12 01:59	4° $\Omega$ 57'08	0°12'59
evening set	14423 Apr 10 21:24	10° $\mathcal{B}$ 24'58		behind sun begin	14425 Sep 11 10:51	4° $\Omega$ 09'45	
inferior conj	14423 Apr 17 02:06	6° $\mathcal{B}$ 41'31	3°34'34	behind sun end	14425 Sep 12 17:07	5° $\Omega$ 44'30	
minimum elong	14423 Apr 16 18:33	6° $\mathcal{B}$ 53'22	3°31'51	max. Earth dist.	14425 Sep 13 00:30	6° $\Omega$ 07'36	1.71612 AU
min. Earth dist.	14423 Apr 17 02:03	6° $\mathcal{B}$ 41'35	0.28125 AU	asc. node	14425 Sep 17 07:49	11° $\Omega$ 30'58	
morning rise	14423 Apr 22 15:30	3° $\mathcal{B}$ 19'12			14425 Oct 02 02:22	0° $\mathcal{M}$	
	14423 Apr 29 19:59	30° $\mathcal{R}\mathcal{Y}$		evening rise	14425 Oct 20 21:06	23° $\mathcal{M}$ 26'48	
direct	14423 May 08 06:13	28° $\Upsilon$ 33'38			14425 Oct 26 03:20	0° $\mathcal{A}$	
	14423 May 16 23:39	0° $\mathcal{B}$			14425 Nov 19 07:29	0° $\mathcal{B}$	
greatest brilliancy	14423 May 18 13:15	0° $\mathcal{B}$ 32'17	-4.8m		14425 Dec 13 16:57	0° $\approx$	
	14423 Jun 26 14:49	0° $\Pi$		desc. node	14426 Jan 06 22:47	29° $\approx$ 25'36	
morning max el	14423 Jun 27 08:17	0° $\Pi$ 43'28	46°40'51		14426 Jan 07 10:12	0° $\mathcal{H}$	
desc. node	14423 Jul 23 13:54	28° $\Pi$ 46'12			14426 Feb 01 13:37	0° $\Upsilon$	
	14423 Jul 24 16:07	0° $\mathcal{E}$			14426 Feb 27 06:39	0° $\mathcal{B}$	
	14423 Aug 19 13:15	0° $\Omega$			14426 Mar 25 23:02	0° $\Pi$	
	14423 Sep 13 13:39	0° $\mathcal{M}$		evening max el	14426 Apr 18 10:59	24° $\Pi$ 32'20	46°14'15
	14423 Oct 08 04:45	0° $\Omega$			14426 Apr 24 03:10	0° $\mathcal{E}$	
	14423 Nov 01 15:27	0° $\mathcal{M}$		asc. node	14426 Apr 29 19:58	5° $\mathcal{E}$ 13'11	
asc. node	14423 Nov 13 10:15	14° $\mathcal{M}$ 30'28		greatest brilliancy	14426 May 28 16:54	24° $\mathcal{E}$ 24'46	-4.8m
	14423 Nov 25 23:38	0° $\mathcal{A}$		retrograde	14426 Jun 07 03:30	26° $\mathcal{E}$ 05'32	
	14423 Dec 20 06:18	0° $\mathcal{B}$		evening set	14426 Jun 25 09:06	19° $\mathcal{E}$ 47'39	
morning set	14423 Dec 28 17:51	10° $\mathcal{B}$ 29'26		inferior conj	14426 Jun 27 22:16	18° $\mathcal{E}$ 13'38	9°08'48
	14424 Jan 13 12:30	0° $\approx$		minimum elong	14426 Jun 27 23:49	18° $\mathcal{E}$ 11'13	9°07'45
				min. Earth dist.	14426 Jun 28 09:27	17° $\mathcal{E}$ 56'17	0.27575 AU
superior conj	14424 Feb 03 14:04	26° $\approx$ 01'37	1°03'32	morning rise	14426 Jun 30 14:27	16° $\mathcal{E}$ 34'40	
minimum elong	14424 Feb 03 23:57	26° $\approx$ 32'05	1°03'52	direct	14426 Jul 18 19:11	10° $\mathcal{E}$ 13'43	
max. Earth dist.	14424 Feb 04 18:51	27° $\approx$ 30'24	1.73113 AU	greatest brilliancy	14426 Jul 28 22:30	12° $\mathcal{E}$ 09'31	-4.9m

desc. node	14426 Aug 19 23:16	26°☾01'25		14429 Feb 15 01:58	0°☿	
	14426 Aug 24 14:33	0°♊		14429 Mar 11 18:58	0°♋	
morning max el	14426 Sep 07 07:11	12°♊59'22	46°55'37	14429 Apr 05 16:16	0°♌	
	14426 Sep 23 12:27	0°♍		14429 Apr 30 20:36	0°♍	
	14426 Oct 20 04:25	0°♎		14429 May 26 15:56	0°♎	
	14426 Nov 14 18:31	0°♏		14429 May 27 06:13	0°♏40'42	
	14426 Dec 09 20:03	0°♐		14429 Jun 22 23:44	0°♐	
asc. node	14426 Dec 10 22:58	1°♐21'10		14429 Jun 30 14:25	7°♐46'33	46°40'18
	14427 Jan 03 13:53	0°♑		14429 Jul 25 22:28	0°♑	
	14427 Jan 28 02:45	0°♒		14429 Aug 09 11:12	8°♑04'00	-4.9m
	14427 Feb 21 12:45	0°♓		14429 Aug 19 17:57	10°♑02'11	
morning set	14427 Mar 07 14:30	17°♓19'40		14429 Sep 03 10:44	5°♑46'25	
	14427 Mar 17 21:09	0°♈		14429 Sep 09 09:50	2°♑16'44	1°48'14
desc. node	14427 Apr 01 15:21	18°♈13'05		14429 Sep 09 14:01	2°♑10'21	1°46'49
	14427 Apr 11 04:04	0°♉		14429 Sep 09 10:20	2°♑15'58	0.26946 AU
max. Earth dist.	14427 Apr 12 14:38	1°♉46'56	1.72752 AU	14429 Sep 13 05:16	30°♑♈	
				14429 Sep 15 17:36	28°♑36'25	
superior conj	14427 Apr 14 19:15	4°♉29'43	-0°31'15	14429 Sep 16 08:13	28°♑17'25	
minimum elong	14427 Apr 14 12:07	4°♉07'40	0°31'25	14429 Sep 30 04:08	24°♑32'31	
	14427 May 05 09:03	0°♊		14429 Oct 10 01:33	26°♑21'51	-4.8m
evening rise	14427 May 23 12:33	22°♊33'37		14429 Oct 17 22:13	0°♊	
	14427 May 29 12:00	0°♋		14429 Nov 18 21:28	25°♊54'07	46°19'49
	14427 Jun 22 13:51	0°♌		14429 Nov 23 00:55	0°♌	
	14427 Jul 16 16:24	0°♍		14429 Dec 21 04:53	0°♍	
asc. node	14427 Jul 23 05:01	8°♍06'01		14430 Jan 07 10:12	19°♍30'47	
	14427 Aug 09 21:54	0°♎		14430 Jan 16 11:28	0°♎	
	14427 Sep 03 09:16	0°♏		14430 Feb 10 20:57	0°♏	
	14427 Sep 28 07:46	0°♐		14430 Mar 07 18:44	0°♐	
	14427 Oct 24 04:32	0°♑		14430 Apr 01 09:30	0°♑	
desc. node	14427 Nov 12 01:19	20°♑37'01		14430 Apr 25 19:20	0°♒	
	14427 Nov 21 04:37	0°♒		14430 Apr 29 05:39	4°♒13'59	
evening max el	14427 Nov 24 11:18	3°♒14'12	46°10'42	14430 May 18 02:55	27°♒37'10	
	14427 Dec 28 16:20	0°♓		14430 May 20 00:56	0°♓	
greatest brilliancy	14428 Jan 02 19:31	2°♓10'05	-4.8m	14430 Jun 13 02:53	0°♔	
retrograde	14428 Jan 12 20:29	4°♓00'27		14430 Jun 24 11:21	14°♔11'34	1.71711 AU
	14428 Jan 27 03:48	30°♔♑				
evening set	14428 Jan 29 19:48	28°♑30'22		14430 Jun 26 21:09	17°♔12'21	-1°27'19
inferior conj	14428 Feb 03 06:42	25°♑46'28	-6°31'39	14430 Jun 26 22:41	17°♔17'10	1°28'21
minimum elong	14428 Feb 03 17:05	25°♑30'14	6°28'51	14430 Jul 07 02:19	0°♕	
min. Earth dist.	14428 Feb 03 13:52	25°♑35'15	0.28749 AU	14430 Jul 31 00:47	0°♍	
morning rise	14428 Feb 08 14:18	22°♑32'38		14430 Aug 06 00:05	7°♍28'54	
direct	14428 Feb 24 14:31	17°♑34'17		14430 Aug 19 19:02	24°♍44'42	
asc. node	14428 Mar 04 03:21	18°♑55'48		14430 Aug 23 23:55	0°♎	
greatest brilliancy	14428 Mar 06 09:28	19°♑42'02	-4.8m	14430 Sep 17 01:12	0°♏	
	14428 Mar 23 22:42	0°♐		14430 Oct 11 06:38	0°♐	
morning max el	14428 Apr 13 22:39	18°♐31'57	45°57'13	14430 Nov 04 19:26	0°♑	
	14428 Apr 25 05:34	0°♑		14430 Nov 29 20:52	0°♒	
	14428 May 22 11:15	0°♒		14430 Dec 09 12:14	11°♒18'04	
	14428 Jun 17 02:45	0°♓		14430 Dec 25 19:32	0°♓	
desc. node	14428 Jun 24 05:09	8°♓29'42		14431 Jan 22 10:07	0°♈	
	14428 Jul 11 23:21	0°♔		14431 Feb 03 13:57	12°♈10'23	45°56'49
	14428 Aug 05 09:25	0°♕		14431 Feb 24 01:04	0°♉	
	14428 Aug 29 14:03	0°♍		14431 Mar 14 13:54	10°♉41'14	-4.8m
	14428 Sep 22 16:27	0°♎		14431 Mar 24 14:10	12°♉31'17	
asc. node	14428 Oct 14 22:18	27°♎43'11		14431 Apr 01 12:32	11°♉15'44	
morning set	14428 Oct 15 16:16	28°♎39'08		14431 Apr 08 11:26	8°♉11'59	
	14428 Oct 16 18:14	0°♏		14431 Apr 14 17:18	4°♉27'01	3°14'15
	14428 Nov 09 20:09	0°♐		14431 Apr 14 10:21	4°♉37'55	3°11'43
				14431 Apr 14 17:57	4°♉26'00	0.28141 AU
superior conj	14428 Nov 22 23:48	16°♐21'57	1°17'06	14431 Apr 20 09:00	1°♉01'06	
minimum elong	14428 Nov 22 15:30	15°♐56'10	1°17'54	14431 Apr 22 06:10	30°♉♈	
max. Earth dist.	14428 Nov 25 04:13	19°♐04'57	1.72447 AU	14431 May 05 21:09	26°♉18'56	
	14428 Dec 03 23:04	0°♑		14431 May 16 05:43	28°♉18'24	-4.8m
	14428 Dec 28 04:15	0°♒		14431 May 20 05:00	0°♊	
evening rise	14428 Dec 30 05:05	2°♒30'45		14431 Jun 24 21:45	28°♊22'52	46°39'25
	14429 Jan 21 13:01	0°♓		14431 Jun 26 12:29	0°♋	
desc. node	14429 Feb 03 12:13	15°♓52'49		14431 Jul 22 15:48	28°♋06'56	

	14431 Jul 24 07:47	0°☿		evening max el	14434 Apr 16 01:04	22°♊13'13	46°13'18
	14431 Aug 19 02:44	0°♌			14434 Apr 24 05:20	0°☿	
	14431 Sep 13 02:00	0°♍		asc. node	14434 Apr 28 21:56	4°☿12'13	
	14431 Oct 07 16:25	0°♋		greatest brilliancy	14434 May 26 05:08	22°☿01'37	-4.8m
	14431 Nov 01 02:39	0°♌		retrograde	14434 Jun 04 17:18	23°☿43'40	
asc. node	14431 Nov 12 12:12	14°♌02'27		evening set	14434 Jun 22 22:13	17°☿25'36	
	14431 Nov 25 10:31	0°♌		inferior conj	14434 Jun 25 11:50	15°☿50'55	9°09'42
	14431 Dec 19 16:57	0°♌		minimum elong	14434 Jun 25 12:27	15°☿49'59	9°08'40
morning set	14431 Dec 26 10:31	8°♌19'47		min. Earth dist.	14434 Jun 25 22:03	15°☿35'05	0.27608 AU
	14432 Jan 12 23:01	0°♌		morning rise	14434 Jun 28 02:36	14°☿14'15	
				direct	14434 Jul 16 09:24	7°☿50'25	
superior conj	14432 Feb 01 06:53	23°♌52'56	1°05'44	greatest brilliancy	14434 Jul 26 11:51	9°☿46'02	-4.9m
minimum elong	14432 Feb 01 16:40	24°♌23'09	1°06'08	desc. node	14434 Aug 19 01:15	24°☿54'02	
max. Earth dist.	14432 Feb 02 11:47	25°♌22'09	1.73106 AU		14434 Aug 24 20:00	0°♌	
	14432 Feb 06 05:51	0°♌		morning max el	14434 Sep 04 22:16	10°♌39'49	46°56'03
	14432 Mar 01 13:58	0°♌			14434 Sep 23 06:28	0°♍	
desc. node	14432 Mar 03 02:37	1°♌52'50			14434 Oct 19 19:04	0°♋	
evening rise	14432 Mar 10 00:39	10°♌23'46			14434 Nov 14 07:32	0°♌	
	14432 Mar 25 22:56	0°♌			14434 Dec 09 08:08	0°♌	
	14432 Apr 19 08:04	0°♌		asc. node	14434 Dec 10 00:42	0°♌50'02	
	14432 May 13 17:30	0°☿			14435 Jan 03 01:22	0°♌	
	14432 Jun 07 04:56	0°♌			14435 Jan 27 13:52	0°♌	
asc. node	14432 Jun 23 17:50	20°♌07'34			14435 Feb 20 23:39	0°♌	
	14432 Jul 01 21:59	0°♍		morning set	14435 Mar 05 07:02	15°♌09'24	
	14432 Jul 27 03:03	0°♋			14435 Mar 17 07:57	0°♌	
	14432 Aug 22 09:52	0°♌		desc. node	14435 Mar 31 17:16	17°♌45'42	
evening max el	14432 Sep 10 18:26	20°♌28'03	46°37'58	max. Earth dist.	14435 Apr 10 10:08	29°♌45'21	1.72782 AU
	14432 Sep 20 15:51	0°♌			14435 Apr 10 14:52	0°♌	
desc. node	14432 Oct 13 17:34	17°♌36'44					
greatest brilliancy	14432 Oct 20 03:41	20°♌39'04	-4.8m	superior conj	14435 Apr 12 09:57	2°♌13'15	-0°27'55
retrograde	14432 Oct 30 23:37	22°♌49'23		minimum elong	14435 Apr 12 03:31	1°♌53'21	0°28'04
evening set	14432 Nov 16 22:48	17°♌20'23			14435 May 04 19:55	0°♌	
min. Earth dist.	14432 Nov 20 11:23	15°♌12'17	0.28158 AU	evening rise	14435 May 21 02:19	20°♌13'02	
inferior conj	14432 Nov 21 06:31	14°♌42'39	-7°56'00		14435 May 28 23:00	0°☿	
minimum elong	14432 Nov 20 21:35	14°♌56'28	7°53'45		14435 Jun 22 01:03	0°♌	
morning rise	14432 Nov 24 20:38	12°♌31'11			14435 Jul 16 03:52	0°♍	
direct	14432 Dec 12 08:31	6°♌45'44		asc. node	14435 Jul 22 06:47	7°♍35'46	
greatest brilliancy	14432 Dec 21 22:58	8°♌25'53	-4.8m		14435 Aug 09 09:44	0°♋	
	14433 Jan 22 21:24	0°♌			14435 Sep 02 21:41	0°♌	
morning max el	14433 Jan 30 06:43	6°♌54'58	45°45'23		14435 Sep 27 21:12	0°♌	
asc. node	14433 Feb 03 20:11	11°♌23'33			14435 Oct 23 20:06	0°♌	
	14433 Feb 21 16:22	0°♌		desc. node	14435 Nov 11 03:13	19°♌52'54	
	14433 Mar 20 09:54	0°♌			14435 Nov 21 02:04	0°♌	
	14433 Apr 14 23:01	0°♌		evening max el	14435 Nov 22 03:20	1°♌01'56	46°11'37
	14433 May 09 21:10	0°♌		greatest brilliancy	14435 Dec 31 10:13	29°♌56'56	-4.8m
desc. node	14433 May 26 18:59	20°♌38'26			14435 Dec 31 13:44	0°♌	
	14433 Jun 03 09:43	0°♌		retrograde	14436 Jan 10 12:25	1°♌48'00	
	14433 Jun 27 15:25	0°☿			14436 Jan 19 23:57	30°♌	
	14433 Jul 21 16:34	0°♌		evening set	14436 Jan 27 14:25	26°♌13'32	
morning set	14433 Jul 31 18:34	12°♌37'11		inferior conj	14436 Jan 31 22:21	23°♌33'48	-6°45'32
	14433 Aug 14 15:28	0°♍		minimum elong	14436 Feb 01 08:39	23°♌17'40	6°42'48
	14433 Sep 07 13:57	0°♋		min. Earth dist.	14436 Feb 01 04:41	23°♌23'53	0.28759 AU
				morning rise	14436 Feb 06 02:54	20°♌24'26	
superior conj	14433 Sep 09 11:15	2°♋21'53	-0°16'52	direct	14436 Feb 22 06:51	15°♌21'57	
minimum elong	14433 Sep 09 15:27	2°♋35'03	0°16'44	asc. node	14436 Mar 03 05:24	17°♌11'30	
max. Earth dist.	14433 Sep 10 09:28	3°♋31'26	1.71599 AU	greatest brilliancy	14436 Mar 03 23:55	17°♌28'19	-4.8m
asc. node	14433 Sep 16 09:40	11°♋02'53			14436 Mar 24 10:40	0°♌	
	14433 Oct 01 13:13	0°♌		morning max el	14436 Apr 11 14:31	16°♌19'21	45°56'04
evening rise	14433 Oct 18 11:41	21°♌08'44			14436 Apr 24 23:58	0°♌	
	14433 Oct 25 14:15	0°♌			14436 May 22 01:46	0°♌	
	14433 Nov 18 18:29	0°♌			14436 Jun 16 15:40	0°♌	
	14433 Dec 13 04:11	0°♌		desc. node	14436 Jun 23 06:59	7°♌57'11	
desc. node	14434 Jan 06 00:33	28°♌55'51			14436 Jul 11 11:27	0°☿	
	14434 Jan 06 21:53	0°♌			14436 Aug 04 21:05	0°♌	
	14434 Feb 01 02:04	0°♌			14436 Aug 29 01:26	0°♍	
	14434 Feb 26 20:33	0°♌			14436 Sep 22 03:37	0°♋	
	14434 Mar 25 15:55	0°♌		morning set	14436 Oct 13 06:10	26°♋18'38	

asc. node	14436 Oct 14 00:11	27°♌14'46	evening set	14439 Apr 06 01:31	5°♏57'34	
	14436 Oct 16 05:13	0°♍	inferior conj	14439 Apr 12 08:23	2°♏11'34	2°53'34
	14436 Nov 09 07:01	0°♌	minimum elong	14439 Apr 12 02:06	2°♏21'25	2°51'13
			min. Earth dist.	14439 Apr 12 09:49	2°♏09'18	0.28158 AU
superior conj	14436 Nov 20 15:14	14°♌06'59	1°15'29	14439 Apr 15 21:13	30°♏	
minimum elong	14436 Nov 20 06:28	13°♌39'42	1°16'14	morning rise	14439 Apr 18 02:18	28°♏42'23
max. Earth dist.	14436 Nov 22 22:07	16°♌57'40	1.72415 AU	direct	14439 May 03 11:48	24°♏03'04
	14436 Dec 03 09:54	0°♏		greatest brilliancy	14439 May 13 22:30	26°♏04'08 -4.8m
evening rise	14436 Dec 27 20:56	0°♏17'52			14439 May 22 01:58	0°♏
	14436 Dec 27 15:08	0°♏	morning max el	14439 Jun 22 11:33	26°♏02'42	46°38'16
	14437 Jan 21 00:03	0°♏		14439 Jun 26 09:34	0°♏	
desc. node	14437 Feb 02 14:05	15°♏24'30	desc. node	14439 Jul 21 17:46	27°♏28'01	
	14437 Feb 14 13:15	0°♏		14439 Jul 23 23:18	0°♏	
	14437 Mar 11 06:38	0°♏		14439 Aug 18 16:09	0°♏	
	14437 Apr 05 04:35	0°♏		14439 Sep 12 14:20	0°♏	
	14437 Apr 30 10:01	0°♏		14439 Oct 07 04:07	0°♏	
asc. node	14437 May 26 08:04	0°♏01'45		14439 Oct 31 13:55	0°♏	
	14437 May 26 07:28	0°♏	asc. node	14439 Nov 11 13:56	13°♏33'30	
	14437 Jun 22 20:26	0°♏		14439 Nov 24 21:30	0°♏	
evening max el	14437 Jun 28 04:16	5°♏24'10	46°39'31	14439 Dec 19 03:44	0°♏	
	14437 Jul 27 00:55	0°♏	morning set	14439 Dec 24 02:47	6°♏08'21	
greatest brilliancy	14437 Aug 07 01:46	5°♏40'23	-4.9m	14440 Jan 12 09:41	0°♏	
retrograde	14437 Aug 17 06:35	7°♏36'34				
evening set	14437 Sep 01 01:28	3°♏18'54		superior conj	14440 Jan 29 23:22	21°♏42'53 1°07'53
inferior conj	14437 Sep 06 22:31	29°♏51'45	2°12'10	minimum elong	14440 Jan 30 09:01	22°♏12'40 1°08'18
minimum elong	14437 Sep 07 03:35	29°♏44'01	2°10'27	max. Earth dist.	14440 Jan 31 04:48	23°♏13'45 1.73098 AU
	14437 Sep 06 17:06	30°♏			14440 Feb 05 16:28	0°♏
min. Earth dist.	14437 Sep 07 00:27	29°♏48'47	0.26939 AU		14440 Mar 01 00:39	0°♏
morning rise	14437 Sep 13 05:55	26°♏11'28		desc. node	14440 Mar 02 04:29	1°♏25'39
desc. node	14437 Sep 15 10:19	25°♏06'05		evening rise	14440 Mar 07 16:24	8°♏11'30
direct	14437 Sep 27 16:50	22°♏07'32			14440 Mar 25 09:48	0°♏
greatest brilliancy	14437 Oct 07 14:52	23°♏57'12	-4.8m		14440 Apr 18 19:11	0°♏
	14437 Oct 19 10:41	0°♏			14440 May 13 04:57	0°♏
morning max el	14437 Nov 16 10:09	23°♏30'48	46°21'21		14440 Jun 06 16:52	0°♏
	14437 Nov 22 22:17	0°♏		asc. node	14440 Jun 22 19:43	19°♏35'35
	14437 Dec 20 20:31	0°♏			14440 Jul 01 10:43	0°♏
asc. node	14438 Jan 06 12:09	18°♏56'06			14440 Jul 26 17:12	0°♏
	14438 Jan 16 00:48	0°♏			14440 Aug 22 03:06	0°♏
	14438 Feb 10 09:09	0°♏	evening max el	14440 Sep 08 08:15	18°♏07'20	46°38'41
	14438 Mar 07 06:18	0°♏		14440 Sep 20 19:32	0°♏	
	14438 Mar 31 20:42	0°♏	desc. node	14440 Oct 12 19:25	16°♏06'31	
	14438 Apr 25 06:19	0°♏	greatest brilliancy	14440 Oct 17 17:57	18°♏21'20	-4.8m
desc. node	14438 Apr 28 07:27	3°♏45'39	retrograde	14440 Oct 28 14:39	20°♏32'53	
morning set	14438 May 15 15:51	25°♏14'31	evening set	14440 Nov 14 09:40	15°♏09'26	
	14438 May 19 11:49	0°♏	min. Earth dist.	14440 Nov 18 01:37	12°♏56'50	0.28111 AU
	14438 Jun 12 13:44	0°♏	inferior conj	14440 Nov 18 21:08	12°♏26'41	-7°45'43
max. Earth dist.	14438 Jun 21 18:31	11°♏29'57	1.71738 AU	minimum elong	14440 Nov 18 11:45	12°♏41'12 7°43'18
			morning rise	14440 Nov 22 14:04	10°♏11'22	
superior conj	14438 Jun 24 09:45	14°♏47'42	-1°27'29	direct	14440 Dec 09 22:22	4°♏30'13
minimum elong	14438 Jun 24 10:16	14°♏49'19	1°28'31	greatest brilliancy	14440 Dec 19 13:11	6°♏10'47 -4.8m
	14438 Jul 06 13:11	0°♏			14441 Jan 22 22:50	0°♏
	14438 Jul 30 11:42	0°♏	morning max el	14441 Jan 27 21:32	4°♏40'43	45°45'56
evening rise	14438 Aug 03 11:52	5°♏01'10	asc. node	14441 Feb 02 22:13	10°♏37'19	
asc. node	14438 Aug 18 20:58	24°♏16'22		14441 Feb 21 08:42	0°♏	
	14438 Aug 23 10:56	0°♏		14441 Mar 19 23:23	0°♏	
	14438 Sep 16 12:24	0°♏		14441 Apr 14 11:13	0°♏	
	14438 Oct 10 18:07	0°♏		14441 May 09 08:43	0°♏	
	14438 Nov 04 07:24	0°♏	desc. node	14441 May 25 20:43	20°♏09'16	
	14438 Nov 29 09:43	0°♏		14441 Jun 02 20:53	0°♏	
desc. node	14438 Dec 08 14:04	10°♏44'34		14441 Jun 27 02:22	0°♏	
	14438 Dec 25 10:09	0°♏		14441 Jul 21 03:22	0°♏	
	14439 Jan 22 05:08	0°♏	morning set	14441 Jul 29 06:45	10°♏11'19	
evening max el	14439 Feb 01 03:51	9°♏53'43	45°56'45	14441 Aug 14 02:10	0°♏	
	14439 Feb 24 17:50	0°♏				
greatest brilliancy	14439 Mar 12 05:10	8°♏26'29	-4.8m	superior conj	14441 Sep 07 00:01	29°♏58'13 -0°20'34
retrograde	14439 Mar 22 04:28	10°♏16'05		minimum elong	14441 Sep 07 05:07	0°♏14'13 0°20'25
asc. node	14439 Mar 31 14:33	8°♏29'42			14441 Sep 07 00:35	0°♏

max. Earth dist.	14441 Sep 07 21:09	1°♄04'25	1.71579 AU	morning max el	14444 Apr 09 05:45	14°♄06'32	45°54'46
asc. node	14441 Sep 15 11:30	10°♄35'26			14444 Apr 24 17:26	0°♄	
	14441 Sep 30 23:49	0°♄			14444 May 21 15:42	0°♄	
evening rise	14441 Oct 16 02:36	18°♄52'37			14444 Jun 16 04:06	0°♄	
	14441 Oct 25 00:52	0°♄		desc. node	14444 Jun 22 09:00	7°♄26'35	
	14441 Nov 18 05:13	0°♄			14444 Jul 10 23:07	0°♄	
	14441 Dec 12 15:11	0°♄			14444 Aug 04 08:18	0°♄	
desc. node	14442 Jan 05 02:27	28°♄27'04			14444 Aug 28 12:23	0°♄	
	14442 Jan 06 09:22	0°♄			14444 Sep 21 14:21	0°♄	
	14442 Jan 31 14:23	0°♄		morning set	14444 Oct 10 20:03	23°♄59'19	
	14442 Feb 26 10:21	0°♄		asc. node	14444 Oct 13 01:55	26°♄47'11	
	14442 Mar 25 08:55	0°♄			14444 Oct 15 15:47	0°♄	
evening max el	14442 Apr 13 15:47	19°♄56'28	46°12'23		14444 Nov 08 17:28	0°♄	
	14442 Apr 24 08:45	0°♄					
asc. node	14442 Apr 27 23:49	3°♄10'18		superior conj	14444 Nov 18 06:51	11°♄53'52	1°13'44
greatest brilliancy	14442 May 23 17:12	19°♄39'16	-4.8m	minimum elong	14444 Nov 17 21:39	11°♄25'15	1°14'27
retrograde	14442 Jun 02 07:11	21°♄22'29		max. Earth dist.	14444 Nov 20 14:37	14°♄47'20	1.72377 AU
evening set	14442 Jun 20 10:49	15°♄05'15			14444 Dec 02 20:17	0°♄	
inferior conj	14442 Jun 23 01:24	13°♄28'59	9°09'41	evening rise	14444 Dec 25 13:03	28°♄07'17	
minimum elong	14442 Jun 23 01:04	13°♄29'30	9°08'38		14444 Dec 27 01:33	0°♄	
min. Earth dist.	14442 Jun 23 10:28	13°♄14'56	0.27637 AU		14445 Jan 20 10:35	0°♄	
morning rise	14442 Jun 25 15:16	11°♄53'40		desc. node	14445 Feb 01 16:01	14°♄57'51	
direct	14442 Jul 13 23:53	5°♄28'10			14445 Feb 14 00:03	0°♄	
greatest brilliancy	14442 Jul 24 00:46	7°♄22'49	-4.9m		14445 Mar 10 17:53	0°♄	
desc. node	14442 Aug 18 03:17	23°♄49'20			14445 Apr 04 16:33	0°♄	
	14442 Aug 24 23:16	0°♄			14445 Apr 29 23:11	0°♄	
morning max el	14442 Sep 02 13:18	8°♄21'02	46°56'31	asc. node	14445 May 25 10:02	29°♄23'47	
	14442 Sep 22 23:44	0°♄			14445 May 25 22:52	0°♄	
	14442 Oct 19 09:09	0°♄			14445 Jun 22 17:27	0°♄	
	14442 Nov 13 20:03	0°♄		evening max el	14445 Jun 25 17:08	3°♄00'23	46°38'48
	14442 Dec 08 19:43	0°♄			14445 Jul 28 13:35	0°♄	
asc. node	14442 Dec 09 02:40	0°♄20'59		greatest brilliancy	14445 Aug 04 16:39	3°♄18'19	-4.9m
	14443 Jan 02 12:24	0°♄		retrograde	14445 Aug 14 18:53	5°♄12'24	
	14443 Jan 27 00:33	0°♄		evening set	14445 Aug 29 16:24	0°♄52'17	
	14443 Feb 20 10:11	0°♄			14445 Aug 31 05:49	30°♄	
morning set	14443 Mar 02 23:37	13°♄00'21		inferior conj	14445 Sep 04 11:16	27°♄28'08	2°35'50
	14443 Mar 16 18:25	0°♄		minimum elong	14445 Sep 04 17:10	27°♄19'07	2°33'48
desc. node	14443 Mar 30 19:01	17°♄18'52		min. Earth dist.	14445 Sep 04 14:50	27°♄22'42	0.26935 AU
max. Earth dist.	14443 Apr 08 03:38	27°♄38'42	1.72810 AU	morning rise	14445 Sep 10 18:02	23°♄48'11	
				desc. node	14445 Sep 14 12:15	22°♄00'35	
superior conj	14443 Apr 10 00:36	29°♄57'45	-0°24'31	direct	14445 Sep 25 05:06	19°♄43'38	
minimum elong	14443 Apr 09 18:54	29°♄40'08	0°24'40	greatest brilliancy	14445 Oct 05 04:44	21°♄34'20	-4.8m
	14443 Apr 10 01:20	0°♄			14445 Oct 20 11:54	0°♄	
	14443 May 04 06:26	0°♄		morning max el	14445 Nov 13 22:36	21°♄07'56	46°23'00
evening rise	14443 May 18 15:59	17°♄53'18			14445 Nov 22 18:26	0°♄	
	14443 May 28 09:38	0°♄			14445 Dec 20 11:27	0°♄	
	14443 Jun 21 11:54	0°♄		asc. node	14446 Jan 05 14:08	18°♄23'00	
	14443 Jul 15 15:00	0°♄			14446 Jan 15 13:36	0°♄	
asc. node	14443 Jul 21 08:45	7°♄07'09			14446 Feb 09 20:50	0°♄	
	14443 Aug 08 21:14	0°♄			14446 Mar 06 17:22	0°♄	
	14443 Sep 02 09:46	0°♄			14446 Mar 31 07:25	0°♄	
	14443 Sep 27 10:18	0°♄			14446 Apr 24 16:53	0°♄	
	14443 Oct 23 11:23	0°♄		desc. node	14446 Apr 27 09:15	3°♄18'36	
desc. node	14443 Nov 10 05:08	19°♄09'52		morning set	14446 May 13 04:52	22°♄53'18	
evening max el	14443 Nov 19 19:15	28°♄50'56	46°12'35		14446 May 18 22:20	0°♄	
	14443 Nov 20 23:39	0°♄			14446 Jun 12 00:17	0°♄	
greatest brilliancy	14443 Dec 29 01:31	27°♄46'37	-4.8m	max. Earth dist.	14446 Jun 19 02:40	8°♄52'23	1.71772 AU
retrograde	14444 Jan 08 04:11	29°♄37'48					
evening set	14444 Jan 25 09:17	23°♄59'09		superior conj	14446 Jun 21 22:12	12°♄23'34	-1°27'28
inferior conj	14444 Jan 29 14:16	21°♄23'31	-6°58'41	minimum elong	14446 Jun 21 21:40	12°♄21'53	1°28'30
minimum elong	14444 Jan 30 00:26	21°♄07'34	6°56'02		14446 Jul 05 23:46	0°♄	
min. Earth dist.	14444 Jan 29 19:50	21°♄14'48	0.28769 AU		14446 Jul 29 22:20	0°♄	
morning rise	14444 Feb 03 15:38	18°♄18'35		evening rise	14446 Jul 31 23:21	2°♄33'28	
direct	14444 Feb 19 23:17	13°♄12'03		asc. node	14446 Aug 17 22:43	23°♄48'21	
greatest brilliancy	14444 Mar 01 14:39	15°♄16'47	-4.8m		14446 Aug 22 21:39	0°♄	
asc. node	14444 Mar 02 07:25	15°♄32'50			14446 Sep 15 23:18	0°♄	
	14444 Mar 24 18:44	0°♄			14446 Oct 10 05:19	0°♄	

	14446 Nov 03 19:07	0° $\text{Z}$		desc. node	14449 May 24 22:44	19° $\text{Z}$ 41'16	
	14446 Nov 28 22:19	0° $\approx$			14449 Jun 02 07:56	0° $\text{II}$	
desc. node	14446 Dec 07 16:04	10° $\approx$ 12'17			14449 Jun 26 13:13	0° $\text{G}$	
	14446 Dec 25 00:35	0° $\text{X}$			14449 Jul 20 14:07	0° $\Omega$	
	14447 Jan 22 00:13	0° $\text{Y}$		morning set	14449 Jul 26 19:01	7° $\Omega$ 45'48	
evening max el	14447 Jan 29 18:00	7° $\text{Y}$ 39'02	45°56'54		14449 Aug 13 12:53	0° $\text{P}$	
	14447 Feb 25 15:30	0° $\text{Z}$					
greatest brilliancy	14447 Mar 09 20:06	6° $\text{Z}$ 13'10	-4.8m	superior conj	14449 Sep 04 12:24	27° $\text{P}$ 33'04	-0°24'15
retrograde	14447 Mar 19 19:23	8° $\text{Z}$ 03'10		minimum elong	14449 Sep 04 18:22	27° $\text{P}$ 51'48	0°24'07
asc. node	14447 Mar 30 16:24	5° $\text{Z}$ 41'33		max. Earth dist.	14449 Sep 05 09:28	28° $\text{P}$ 39'04	1.71568 AU
evening set	14447 Apr 03 16:04	3° $\text{Z}$ 44'51			14449 Sep 06 11:18	0° $\text{Z}$	
inferior conj	14447 Apr 09 23:42	29° $\text{Y}$ 58'07	2°32'43	asc. node	14449 Sep 14 13:16	10° $\text{Z}$ 07'27	
minimum elong	14447 Apr 09 18:07	0° $\text{Z}$ 06'53	2°30'36		14449 Sep 30 10:32	0° $\text{P}$	
	14447 Apr 09 22:30	30° $\text{R}$ $\text{Y}$		evening rise	14449 Oct 13 16:55	16° $\text{P}$ 34'09	
min. Earth dist.	14447 Apr 10 01:37	29° $\text{Y}$ 55'07	0.28179 AU		14449 Oct 24 11:37	0° $\text{Z}$	
morning rise	14447 Apr 15 19:45	26° $\text{Y}$ 26'08			14449 Nov 17 16:06	0° $\text{Z}$	
direct	14447 May 01 02:57	21° $\text{Y}$ 49'09			14449 Dec 12 02:20	0° $\approx$	
greatest brilliancy	14447 May 11 15:18	23° $\text{Y}$ 51'46	-4.8m	desc. node	14450 Jan 04 04:22	27° $\approx$ 57'54	
	14447 May 23 07:30	0° $\text{Z}$			14450 Jan 05 21:01	0° $\text{X}$	
morning max el	14447 Jun 20 02:22	23° $\text{Z}$ 46'08	46°36'49		14450 Jan 31 02:55	0° $\text{Y}$	
	14447 Jun 26 05:33	0° $\text{II}$			14450 Feb 26 00:27	0° $\text{Z}$	
desc. node	14447 Jul 20 19:46	26° $\text{II}$ 50'10			14450 Mar 25 02:24	0° $\text{II}$	
	14447 Jul 23 14:22	0° $\text{G}$		evening max el	14450 Apr 11 06:54	17° $\text{II}$ 40'40	46°11'34
	14447 Aug 18 05:17	0° $\Omega$			14450 Apr 24 14:01	0° $\text{G}$	
	14447 Sep 12 02:27	0° $\text{P}$		asc. node	14450 Apr 27 01:54	2° $\text{G}$ 07'18	
	14447 Oct 06 15:36	0° $\text{Z}$		greatest brilliancy	14450 May 21 06:00	17° $\text{G}$ 18'21	-4.8m
	14447 Oct 31 00:59	0° $\text{P}$		retrograde	14450 May 30 21:06	19° $\text{G}$ 01'59	
asc. node	14447 Nov 10 15:50	13° $\text{P}$ 05'43		evening set	14450 Jun 17 23:12	12° $\text{G}$ 46'50	
	14447 Nov 24 08:16	0° $\text{Z}$		inferior conj	14450 Jun 20 15:16	11° $\text{G}$ 08'04	9°08'40
	14447 Dec 18 14:18	0° $\text{Z}$		minimum elong	14450 Jun 20 14:00	11° $\text{G}$ 10'01	9°07'36
morning set	14447 Dec 21 18:56	3° $\text{Z}$ 57'09		min. Earth dist.	14450 Jun 20 23:14	10° $\text{G}$ 55'40	0.27662 AU
	14448 Jan 11 20:08	0° $\approx$		morning rise	14450 Jun 23 04:46	9° $\text{G}$ 33'07	
				direct	14450 Jul 11 14:28	3° $\text{G}$ 07'08	
superior conj	14448 Jan 27 15:58	19° $\approx$ 33'45	1°09'54	greatest brilliancy	14450 Jul 21 13:52	5° $\text{G}$ 00'27	-4.9m
minimum elong	14448 Jan 28 01:25	20° $\approx$ 02'56	1°10'23	desc. node	14450 Aug 17 05:13	22° $\text{G}$ 46'20	
max. Earth dist.	14448 Jan 28 22:49	21° $\approx$ 09'00	1.73087 AU		14450 Aug 25 00:58	0° $\Omega$	
	14448 Feb 05 02:54	0° $\text{X}$		morning max el	14450 Aug 31 03:30	6° $\Omega$ 00'10	46°56'37
	14448 Feb 29 11:08	0° $\text{Y}$			14450 Sep 22 16:44	0° $\text{P}$	
desc. node	14448 Mar 01 06:14	0° $\text{Y}$ 58'46			14450 Oct 18 23:16	0° $\text{Z}$	
evening rise	14448 Mar 05 08:27	6° $\text{Y}$ 00'57			14450 Nov 13 08:44	0° $\text{P}$	
	14448 Mar 24 20:26	0° $\text{Z}$		asc. node	14450 Dec 08 04:38	29° $\text{P}$ 51'12	
	14448 Apr 18 06:04	0° $\text{II}$			14450 Dec 08 07:33	0° $\text{Z}$	
	14448 May 12 16:11	0° $\text{G}$			14451 Jan 01 23:40	0° $\text{Z}$	
	14448 Jun 06 04:40	0° $\Omega$			14451 Jan 26 11:29	0° $\approx$	
asc. node	14448 Jun 21 21:40	19° $\Omega$ 04'14			14451 Feb 19 20:56	0° $\text{X}$	
	14448 Jun 30 23:24	0° $\text{P}$		morning set	14451 Feb 28 16:01	10° $\text{X}$ 50'03	
	14448 Jul 26 07:28	0° $\text{Z}$			14451 Mar 16 05:07	0° $\text{Y}$	
	14448 Aug 21 20:46	0° $\text{P}$		desc. node	14451 Mar 29 20:49	16° $\text{Y}$ 51'26	
evening max el	14448 Sep 05 22:50	15° $\text{P}$ 48'22	46°39'21	max. Earth dist.	14451 Apr 05 19:20	25° $\text{Y}$ 25'48	1.72836 AU
	14448 Sep 21 01:17	0° $\text{Z}$					
desc. node	14448 Oct 11 21:23	14° $\text{Z}$ 32'46		superior conj	14451 Apr 07 15:19	27° $\text{Y}$ 41'45	-0°21'05
greatest brilliancy	14448 Oct 15 07:41	16° $\text{Z}$ 02'22	-4.8m	minimum elong	14451 Apr 07 10:23	27° $\text{Y}$ 26'28	0°21'14
retrograde	14448 Oct 26 05:53	18° $\text{Z}$ 15'29			14451 Apr 09 12:02	0° $\text{Z}$	
evening set	14448 Nov 11 20:17	12° $\text{Z}$ 57'35			14451 May 03 17:12	0° $\text{II}$	
min. Earth dist.	14448 Nov 15 15:18	10° $\text{Z}$ 40'51	0.28059 AU	evening rise	14451 May 16 05:49	15° $\text{II}$ 33'24	
inferior conj	14448 Nov 16 11:28	10° $\text{Z}$ 09'46	-7°34'30		14451 May 27 20:31	0° $\text{G}$	
minimum elong	14448 Nov 16 01:40	10° $\text{Z}$ 24'53	7°31'56		14451 Jun 20 22:56	0° $\Omega$	
morning rise	14448 Nov 20 07:22	7° $\text{Z}$ 50'30			14451 Jul 15 02:17	0° $\text{P}$	
direct	14448 Dec 07 12:33	2° $\text{Z}$ 13'55		asc. node	14451 Jul 20 10:33	6° $\text{P}$ 37'31	
greatest brilliancy	14448 Dec 17 02:34	3° $\text{Z}$ 54'21	-4.8m		14451 Aug 08 08:55	0° $\text{Z}$	
	14449 Jan 22 22:59	0° $\text{Z}$			14451 Sep 01 22:04	0° $\text{P}$	
morning max el	14449 Jan 25 12:41	2° $\text{Z}$ 27'20	45°46'33		14451 Sep 26 23:47	0° $\text{Z}$	
asc. node	14449 Feb 02 00:11	9° $\text{Z}$ 51'41			14451 Oct 23 03:18	0° $\text{Z}$	
	14449 Feb 21 00:41	0° $\approx$		desc. node	14451 Nov 09 07:11	18° $\text{Z}$ 25'18	
	14449 Mar 19 12:42	0° $\text{X}$		evening max el	14451 Nov 17 10:12	26° $\text{Z}$ 36'00	46°13'20
	14449 Apr 13 23:17	0° $\text{Y}$			14451 Nov 20 22:44	0° $\approx$	
	14449 May 08 20:08	0° $\text{Z}$		greatest brilliancy	14451 Dec 26 17:16	25° $\approx$ 34'50	-4.8m

retrograde	14452 Jan 05 19:20	27° $\approx$ 25'31	superior conj	14454 Jun 19 10:29	9° $\approx$ 57'43	-1°27'17
evening set	14452 Jan 23 03:54	21° $\approx$ 42'48	minimum elong	14454 Jun 19 08:55	9° $\approx$ 52'50	1°28'20
inferior conj	14452 Jan 27 05:58	19° $\approx$ 11'19	-7°11'12	14454 Jul 05 10:43	0° $\Omega$	
minimum elong	14452 Jan 27 15:55	18° $\approx$ 55'40	7°08'40	evening rise	14454 Jul 29 10:51	0° $\cap$ 04'42
min. Earth dist.	14452 Jan 27 11:03	19° $\approx$ 03'18	0.28776 AU	14454 Jul 29 09:21	0° $\cap$	
morning rise	14452 Feb 01 03:59	16° $\approx$ 10'55		asc. node	14454 Aug 17 00:31	23° $\cap$ 19'18
direct	14452 Feb 17 14:55	11° $\approx$ 00'10		14454 Aug 22 08:46	0° $\Omega$	
greatest brilliancy	14452 Feb 28 05:31	13° $\approx$ 03'41	-4.8m	14454 Sep 15 10:34	0° $\cap$	
asc. node	14452 Mar 01 09:19	13° $\approx$ 55'48		14454 Oct 09 16:51	0° $\nearrow$	
	14452 Mar 25 01:01	0° $\nearrow$		14454 Nov 03 07:08	0° $\searrow$	
morning max el	14452 Apr 06 19:53	11° $\nearrow$ 49'43	45°53'39	14454 Nov 28 11:19	0° $\approx$	
	14452 Apr 24 10:56	0° $\cap$		desc. node	14454 Dec 06 17:58	9° $\approx$ 38'39
	14452 May 21 05:51	0° $\searrow$		14454 Dec 24 15:35	0° $\nearrow$	
	14452 Jun 15 16:47	0° $\cap$		14455 Jan 21 20:26	0° $\cap$	
desc. node	14452 Jun 21 10:52	6° $\cap$ 54'37		evening max el	14455 Jan 27 08:45	5° $\cap$ 24'37
	14452 Jul 10 11:03	0° $\searrow$		14455 Feb 26 22:55	0° $\searrow$	45°56'54
	14452 Aug 03 19:47	0° $\Omega$		greatest brilliancy	14455 Mar 07 10:28	3° $\searrow$ 57'30
	14452 Aug 27 23:33	0° $\cap$		retrograde	14455 Mar 17 10:42	5° $\searrow$ 48'14
	14452 Sep 21 01:18	0° $\Omega$		asc. node	14455 Mar 29 18:30	2° $\searrow$ 46'40
morning set	14452 Oct 08 10:10	21° $\Omega$ 39'55		evening set	14455 Apr 01 06:37	1° $\searrow$ 29'56
asc. node	14452 Oct 12 03:48	26° $\Omega$ 19'21		14455 Apr 03 21:30	30° $\cap$ $\cap$	
	14452 Oct 15 02:35	0° $\cap$		inferior conj	14455 Apr 07 14:48	27° $\cap$ 42'35
	14452 Nov 08 04:12	0° $\nearrow$		minimum elong	14455 Apr 07 09:56	27° $\cap$ 50'11
				min. Earth dist.	14455 Apr 07 16:59	27° $\cap$ 39'10
superior conj	14452 Nov 15 22:31	9° $\nearrow$ 39'55	1°11'52	morning rise	14455 Apr 13 12:53	24° $\cap$ 08'07
minimum elong	14452 Nov 15 12:59	9° $\nearrow$ 10'13	1°12'32	direct	14455 Apr 28 18:18	19° $\cap$ 33'17
max. Earth dist.	14452 Nov 18 05:13	12° $\nearrow$ 30'05	1.72347 AU	greatest brilliancy	14455 May 09 07:23	21° $\cap$ 36'55
	14452 Dec 02 07:01	0° $\searrow$		14455 May 24 05:38	0° $\searrow$	-4.8m
evening rise	14452 Dec 23 05:01	25° $\searrow$ 54'56		morning max el	14455 Jun 17 17:53	21° $\searrow$ 30'08
	14452 Dec 26 12:22	0° $\approx$		14455 Jun 26 01:27	0° $\cap$	46°35'25
	14453 Jan 19 21:33	0° $\nearrow$		desc. node	14455 Jul 19 21:40	26° $\cap$ 11'16
desc. node	14453 Jan 31 17:44	14° $\nearrow$ 29'12		14455 Jul 23 05:37	0° $\searrow$	
	14453 Feb 13 11:17	0° $\cap$		14455 Aug 17 18:40	0° $\Omega$	
	14453 Mar 10 05:35	0° $\searrow$		14455 Sep 11 14:51	0° $\cap$	
	14453 Apr 04 05:01	0° $\cap$		14455 Oct 06 03:22	0° $\Omega$	
	14453 Apr 29 12:53	0° $\searrow$		14455 Oct 30 12:20	0° $\cap$	
asc. node	14453 May 24 12:01	28° $\searrow$ 44'19		asc. node	14455 Nov 09 17:45	12° $\cap$ 37'09
	14453 May 25 14:57	0° $\Omega$		14455 Nov 23 19:18	0° $\nearrow$	
	14453 Jun 22 15:44	0° $\cap$		14455 Dec 18 01:07	0° $\searrow$	
evening max el	14453 Jun 23 05:18	0° $\cap$ 33'52	46°38'12	morning set	14455 Dec 19 11:27	1° $\searrow$ 46'17
	14453 Jul 30 23:27	0° $\Omega$		14456 Jan 11 06:50	0° $\approx$	
greatest brilliancy	14453 Aug 02 07:36	0° $\Omega$ 55'31	-4.9m			
retrograde	14453 Aug 12 07:28	2° $\Omega$ 48'01		superior conj	14456 Jan 25 08:49	17° $\approx$ 24'30
	14453 Aug 24 03:53	30° $\cap$ $\cap$		minimum elong	14456 Jan 25 18:01	17° $\approx$ 52'55
evening set	14453 Aug 27 07:38	28° $\cap$ 24'48		max. Earth dist.	14456 Jan 26 19:09	19° $\approx$ 10'32
inferior conj	14453 Sep 02 00:12	25° $\cap$ 04'07	2°59'00		14456 Feb 04 13:37	0° $\nearrow$
minimum elong	14453 Sep 02 06:54	24° $\cap$ 53'53	2°56'43		14456 Feb 28 21:58	0° $\cap$
min. Earth dist.	14453 Sep 02 05:21	24° $\cap$ 56'16	0.26931 AU	desc. node	14456 Feb 29 08:06	0° $\cap$ 31'12
morning rise	14453 Sep 08 06:07	21° $\cap$ 25'03		evening rise	14456 Mar 03 00:34	3° $\cap$ 49'31
desc. node	14453 Sep 13 14:11	18° $\cap$ 59'44		14456 Mar 24 07:27	0° $\searrow$	
direct	14453 Sep 22 17:17	17° $\cap$ 19'10		14456 Apr 17 17:20	0° $\cap$	
greatest brilliancy	14453 Oct 02 18:48	19° $\cap$ 11'21	-4.8m	14456 May 12 03:50	0° $\searrow$	
	14453 Oct 21 06:40	0° $\Omega$		14456 Jun 05 16:52	0° $\Omega$	
morning max el	14453 Nov 11 11:40	18° $\Omega$ 45'49	46°24'37	asc. node	14456 Jun 20 23:30	18° $\Omega$ 31'16
	14453 Nov 22 14:13	0° $\cap$		14456 Jun 30 12:31	0° $\cap$	
	14453 Dec 20 02:30	0° $\nearrow$		14456 Jul 25 22:14	0° $\Omega$	
asc. node	14454 Jan 04 15:59	17° $\nearrow$ 48'46		14456 Aug 21 15:12	0° $\cap$	
	14454 Jan 15 02:41	0° $\searrow$		evening max el	14456 Sep 03 14:17	13° $\cap$ 30'41
	14454 Feb 09 08:54	0° $\approx$		14456 Sep 21 09:47	0° $\nearrow$	46°40'02
	14454 Mar 06 04:52	0° $\nearrow$		desc. node	14456 Oct 10 23:30	12° $\nearrow$ 55'07
	14454 Mar 30 18:35	0° $\cap$		greatest brilliancy	14456 Oct 12 21:37	13° $\nearrow$ 42'59
	14454 Apr 24 03:52	0° $\searrow$		retrograde	14456 Oct 23 21:24	15° $\nearrow$ 57'14
desc. node	14454 Apr 26 11:10	2° $\searrow$ 50'41		evening set	14456 Nov 09 07:02	10° $\nearrow$ 45'07
morning set	14454 May 10 17:42	20° $\searrow$ 30'20		min. Earth dist.	14456 Nov 13 04:53	8° $\searrow$ 24'22
	14454 May 18 09:16	0° $\cap$		inferior conj	14456 Nov 14 01:49	7° $\searrow$ 52'08
	14454 Jun 11 11:13	0° $\searrow$		minimum elong	14456 Nov 13 15:40	8° $\searrow$ 07'45
max. Earth dist.	14454 Jun 16 13:46	6° $\searrow$ 22'55	1.71806 AU	morning rise	14456 Nov 18 00:43	5° $\searrow$ 28'50

	14456 Dec 03 14:26	30° $\mathbb{R}$ $\mathbb{M}$			14459 Jun 20 10:01	0° $\mathbb{Q}$	
direct	14456 Dec 05 03:02	29° $\mathbb{M}$ 57'15			14459 Jul 14 13:40	0° $\mathbb{M}$	
	14456 Dec 06 15:55	0° $\mathbb{X}$		asc. node	14459 Jul 19 12:22	6° $\mathbb{M}$ 07'40	
greatest brilliancy	14456 Dec 14 15:21	1° $\mathbb{X}$ 36'42 -4.8m			14459 Aug 07 20:41	0° $\mathbb{A}$	
	14457 Jan 22 22:10	0° $\mathbb{Z}$			14459 Sep 01 10:30	0° $\mathbb{M}$	
morning max el	14457 Jan 23 03:44	0° $\mathbb{Z}$ 13'26 45°47'13			14459 Sep 26 13:23	0° $\mathbb{X}$	
asc. node	14457 Feb 01 02:06	9° $\mathbb{Z}$ 06'20			14459 Oct 22 19:26	0° $\mathbb{Z}$	
	14457 Feb 20 16:31	0° $\approx$		desc. node	14459 Nov 08 09:05	17° $\mathbb{Z}$ 40'01	
	14457 Mar 19 02:04	0° $\mathbb{H}$		evening max el	14459 Nov 15 00:17	24° $\mathbb{Z}$ 19'06 46°14'16	
	14457 Apr 13 11:32	0° $\mathbb{Y}$			14459 Nov 20 22:47	0° $\approx$	
	14457 May 08 07:48	0° $\mathbb{B}$		greatest brilliancy	14459 Dec 24 09:17	23° $\approx$ 23'50 -4.8m	
desc. node	14457 May 24 00:35	19° $\mathbb{B}$ 11'56		retrograde	14460 Jan 03 10:27	25° $\approx$ 14'08	
	14457 Jun 01 19:16	0° $\mathbb{I}$		evening set	14460 Jan 20 22:34	19° $\approx$ 27'11	
	14457 Jun 26 00:20	0° $\mathbb{E}$		inferior conj	14460 Jan 24 21:46	17° $\approx$ 00'01 -7°23'05	
	14457 Jul 20 01:07	0° $\mathbb{Q}$		minimum elong	14460 Jan 25 07:27	16° $\approx$ 44'49 7°20'41	
morning set	14457 Jul 24 06:58	5° $\mathbb{Q}$ 18'38		min. Earth dist.	14460 Jan 25 02:35	16° $\approx$ 52'27 0.28780 AU	
	14457 Aug 12 23:48	0° $\mathbb{M}$		morning rise	14460 Jan 29 16:21	14° $\approx$ 04'25	
				direct	14460 Feb 15 06:13	8° $\approx$ 49'03	
superior conj	14457 Sep 02 00:34	25° $\mathbb{M}$ 06'39 -0°27'54		greatest brilliancy	14460 Feb 25 20:57	10° $\approx$ 52'06 -4.8m	
minimum elong	14457 Sep 02 07:23	25° $\mathbb{M}$ 28'01 0°27'47		asc. node	14460 Feb 29 11:23	12° $\approx$ 23'09	
max. Earth dist.	14457 Sep 02 22:15	26° $\mathbb{M}$ 14'37 1.71552 AU			14460 Mar 25 04:54	0° $\mathbb{H}$	
	14457 Sep 05 22:11	0° $\mathbb{A}$		morning max el	14460 Apr 04 10:03	9° $\mathbb{H}$ 33'45 45°52'45	
asc. node	14457 Sep 13 15:09	9° $\mathbb{A}$ 39'18			14460 Apr 24 03:43	0° $\mathbb{Y}$	
	14457 Sep 29 21:25	0° $\mathbb{M}$			14460 May 20 19:33	0° $\mathbb{B}$	
evening rise	14457 Oct 11 07:10	14° $\mathbb{M}$ 14'53			14460 Jun 15 05:10	0° $\mathbb{I}$	
	14457 Oct 23 22:32	0° $\mathbb{X}$		desc. node	14460 Jun 20 12:44	6° $\mathbb{I}$ 23'33	
	14457 Nov 17 03:08	0° $\mathbb{Z}$			14460 Jul 09 22:45	0° $\mathbb{E}$	
	14457 Dec 11 13:38	0° $\approx$			14460 Aug 03 07:06	0° $\mathbb{Q}$	
desc. node	14458 Jan 03 06:11	27° $\approx$ 28'05			14460 Aug 27 10:38	0° $\mathbb{M}$	
	14458 Jan 05 08:48	0° $\mathbb{H}$			14460 Sep 20 12:10	0° $\mathbb{A}$	
	14458 Jan 30 15:33	0° $\mathbb{Y}$		morning set	14460 Oct 05 23:44	19° $\mathbb{A}$ 18'59	
	14458 Feb 25 14:43	0° $\mathbb{B}$		asc. node	14460 Oct 11 05:40	25° $\mathbb{A}$ 51'45	
	14458 Mar 24 20:22	0° $\mathbb{I}$			14460 Oct 14 13:17	0° $\mathbb{M}$	
evening max el	14458 Apr 08 21:26	15° $\mathbb{I}$ 23'02 46°10'26			14460 Nov 07 14:47	0° $\mathbb{X}$	
	14458 Apr 24 21:48	0° $\mathbb{E}$					
asc. node	14458 Apr 26 03:51	1° $\mathbb{E}$ 01'54		superior conj	14460 Nov 13 13:48	7° $\mathbb{X}$ 25'15 1°09'52	
greatest brilliancy	14458 May 18 19:16	14° $\mathbb{E}$ 57'08 -4.8m		minimum elong	14460 Nov 13 03:57	6° $\mathbb{X}$ 54'35 1°10'29	
retrograde	14458 May 28 10:19	16° $\mathbb{E}$ 40'27		max. Earth dist.	14460 Nov 15 17:43	10° $\mathbb{X}$ 06'46 1.72313 AU	
evening set	14458 Jun 15 10:54	10° $\mathbb{E}$ 28'27			14460 Dec 01 17:34	0° $\mathbb{Z}$	
inferior conj	14458 Jun 18 05:01	8° $\mathbb{E}$ 46'17 9°06'39		evening rise	14460 Dec 20 20:55	23° $\mathbb{Z}$ 43'01	
minimum elong	14458 Jun 18 02:49	8° $\mathbb{E}$ 49'43 9°05'33			14460 Dec 25 22:57	0° $\approx$	
min. Earth dist.	14458 Jun 18 12:17	8° $\mathbb{E}$ 34'57 0.27688 AU			14461 Jan 19 08:18	0° $\mathbb{H}$	
morning rise	14458 Jun 20 18:43	7° $\mathbb{E}$ 10'48		desc. node	14461 Jan 30 19:38	14° $\mathbb{H}$ 01'52	
direct	14458 Jul 09 04:29	0° $\mathbb{E}$ 45'05			14461 Feb 12 22:18	0° $\mathbb{Y}$	
greatest brilliancy	14458 Jul 19 03:31	2° $\mathbb{E}$ 37'38 -4.9m			14461 Mar 09 17:03	0° $\mathbb{B}$	
desc. node	14458 Aug 16 07:14	21° $\mathbb{E}$ 44'16			14461 Apr 03 17:12	0° $\mathbb{I}$	
	14458 Aug 25 01:40	0° $\mathbb{Q}$			14461 Apr 29 02:19	0° $\mathbb{E}$	
morning max el	14458 Aug 28 16:42	3° $\mathbb{Q}$ 36'01 46°56'49		asc. node	14461 May 23 13:54	28° $\mathbb{E}$ 05'24	
	14458 Sep 22 09:34	0° $\mathbb{M}$			14461 May 25 06:53	0° $\mathbb{Q}$	
	14458 Oct 18 13:20	0° $\mathbb{A}$		evening max el	14461 Jun 20 17:26	28° $\mathbb{Q}$ 08'28 46°37'26	
	14458 Nov 12 21:22	0° $\mathbb{M}$			14461 Jun 22 14:31	0° $\mathbb{M}$	
asc. node	14458 Dec 07 06:23	29° $\mathbb{M}$ 20'51		greatest brilliancy	14461 Jul 30 21:45	28° $\mathbb{M}$ 32'18 -4.9m	
	14458 Dec 07 19:19	0° $\mathbb{X}$			14461 Aug 05 08:01	0° $\mathbb{A}$	
	14459 Jan 01 10:54	0° $\mathbb{Z}$		retrograde	14461 Aug 09 20:14	0° $\mathbb{A}$ 23'56	
	14459 Jan 25 22:23	0° $\approx$			14461 Aug 14 06:32	30° $\mathbb{R}$ $\mathbb{M}$	
	14459 Feb 19 07:39	0° $\mathbb{H}$		evening set	14461 Aug 24 22:48	25° $\mathbb{M}$ 57'01	
morning set	14459 Feb 26 08:53	8° $\mathbb{H}$ 41'20		inferior conj	14461 Aug 30 12:54	22° $\mathbb{M}$ 40'01 3°21'56	
	14459 Mar 15 15:44	0° $\mathbb{Y}$		minimum elong	14461 Aug 30 20:22	22° $\mathbb{M}$ 28'39 3°19'26	
desc. node	14459 Mar 28 22:45	16° $\mathbb{Y}$ 24'41		min. Earth dist.	14461 Aug 30 19:28	22° $\mathbb{M}$ 30'01 0.26939 AU	
max. Earth dist.	14459 Apr 03 11:34	23° $\mathbb{Y}$ 14'56 1.72864 AU		morning rise	14461 Sep 05 17:48	19° $\mathbb{M}$ 02'23	
				desc. node	14461 Sep 12 16:19	16° $\mathbb{M}$ 03'49	
superior conj	14459 Apr 05 06:32	25° $\mathbb{Y}$ 27'39 -0°17'41		direct	14461 Sep 20 05:38	14° $\mathbb{M}$ 54'23	
minimum elong	14459 Apr 05 02:22	25° $\mathbb{Y}$ 14'47 0°17'49		greatest brilliancy	14461 Sep 30 08:39	16° $\mathbb{M}$ 48'06 -4.9m	
	14459 Apr 08 22:39	0° $\mathbb{B}$			14461 Oct 21 20:37	0° $\mathbb{A}$	
	14459 May 03 03:53	0° $\mathbb{I}$		morning max el	14461 Nov 09 01:38	16° $\mathbb{A}$ 26'06 46°26'18	
evening rise	14459 May 13 19:58	13° $\mathbb{I}$ 14'46			14461 Nov 22 09:17	0° $\mathbb{M}$	
	14459 May 27 07:22	0° $\mathbb{E}$			14461 Dec 19 17:09	0° $\mathbb{X}$	



asc. node	14462 Jan 03 17:58	17°♊15'52			14464 Jul 25 12:40	0°♊	
	14462 Jan 14 15:24	0°♊			14464 Aug 21 09:31	0°♊	
	14462 Feb 08 20:35	0°♊	evening max el		14464 Sep 01 05:51	11°♊14'50	46°40'32
	14462 Mar 05 15:58	0°♊			14464 Sep 21 20:31	0°♊	
	14462 Mar 30 05:22	0°♊	desc. node		14464 Oct 10 01:22	11°♊14'54	
	14462 Apr 23 14:28	0°♊	greatest brilliancy		14464 Oct 10 11:59	11°♊25'21	-4.8m
desc. node	14462 Apr 25 12:57	2°♊23'29	retrograde		14464 Oct 21 12:34	13°♊39'48	
morning set	14462 May 08 07:06	18°♊10'24	evening set		14464 Nov 06 17:49	8°♊33'39	
	14462 May 17 19:48	0°♊	min. Earth dist.		14464 Nov 10 18:42	6°♊08'25	0.27949 AU
	14462 Jun 10 21:43	0°♊	inferior conj		14464 Nov 11 16:05	5°♊35'28	-7°09'53
max. Earth dist.	14462 Jun 14 04:02	4°♊04'39	minimum elong		14464 Nov 11 05:41	5°♊51'30	7°07'01
			morning rise		14464 Nov 15 18:02	3°♊07'48	
superior conj	14462 Jun 16 23:15	7°♊34'45			14464 Nov 21 22:08	30°♊	
minimum elong	14462 Jun 16 20:42	7°♊26'47			14464 Dec 02 17:30	27°♊41'34	
	14462 Jul 04 21:14	0°♊	direct		14464 Dec 12 04:10	29°♊19'45	-4.8m
evening rise	14462 Jul 26 22:46	27°♊38'35	greatest brilliancy		14464 Dec 14 00:49	0°♊	
	14462 Jul 28 19:56	0°♊			14465 Jan 20 18:09	27°♊58'44	45°47'49
asc. node	14462 Aug 16 02:27	22°♊51'52	morning max el		14465 Jan 22 20:03	0°♊	
	14462 Aug 21 19:30	0°♊			14465 Jan 31 04:08	8°♊22'46	
	14462 Sep 14 21:32	0°♊	asc. node		14465 Feb 20 07:48	0°♊	
	14462 Oct 09 04:08	0°♊			14465 Mar 18 15:00	0°♊	
	14462 Nov 02 18:57	0°♊			14465 Apr 12 23:22	0°♊	
	14462 Nov 28 00:06	0°♊			14465 May 07 19:02	0°♊	
desc. node	14462 Dec 05 19:50	9°♊05'35	desc. node		14465 May 23 02:20	18°♊43'36	
	14462 Dec 24 06:28	0°♊			14465 Jun 01 06:10	0°♊	
	14463 Jan 21 16:53	0°♊			14465 Jun 25 11:02	0°♊	
evening max el	14463 Jan 25 00:23	3°♊13'38			14465 Jul 19 11:43	0°♊	
	14463 Feb 28 20:10	0°♊	morning set		14465 Jul 21 19:04	2°♊53'12	
greatest brilliancy	14463 Mar 05 00:52	1°♊43'37			14465 Aug 12 10:21	0°♊	
retrograde	14463 Mar 15 02:19	3°♊34'56					
asc. node	14463 Mar 28 20:30	29°♊50'01	superior conj		14465 Aug 30 13:04	22°♊42'32	-0°31'30
	14463 Mar 28 12:43	30°♊	minimum elong		14465 Aug 30 20:40	23°♊06'21	0°31'22
evening set	14463 Mar 29 21:35	29°♊16'41	max. Earth dist.		14465 Aug 31 09:40	23°♊47'07	1.71533 AU
inferior conj	14463 Apr 05 06:01	25°♊28'46			14465 Sep 05 08:41	0°♊	
minimum elong	14463 Apr 05 01:55	25°♊35'11	asc. node		14465 Sep 12 16:56	9°♊12'05	
min. Earth dist.	14463 Apr 05 08:17	25°♊25'13			14465 Sep 29 07:54	0°♊	
morning rise	14463 Apr 11 05:58	21°♊52'00	evening rise		14465 Oct 08 21:37	11°♊57'27	
direct	14463 Apr 26 10:09	17°♊19'21			14465 Oct 23 09:03	0°♊	
greatest brilliancy	14463 May 06 23:03	19°♊23'14			14465 Nov 16 13:49	0°♊	
	14463 May 24 21:12	0°♊			14465 Dec 11 00:38	0°♊	
morning max el	14463 Jun 15 09:54	19°♊17'05	desc. node		14466 Jan 02 08:05	26°♊59'22	
	14463 Jun 25 20:09	0°♊			14466 Jan 04 20:20	0°♊	
desc. node	14463 Jul 18 23:39	25°♊34'37			14466 Jan 30 04:01	0°♊	
	14463 Jul 22 20:06	0°♊			14466 Feb 25 04:56	0°♊	
	14463 Aug 17 07:24	0°♊			14466 Mar 24 14:31	0°♊	
	14463 Sep 11 02:40	0°♊	evening max el		14466 Apr 06 11:06	13°♊04'06	46°09'30
	14463 Oct 05 14:39	0°♊	asc. node		14466 Apr 25 05:44	29°♊55'30	
	14463 Oct 29 23:16	0°♊			14466 Apr 25 08:00	0°♊	
asc. node	14463 Nov 08 19:29	12°♊09'09	greatest brilliancy		14466 May 16 09:04	12°♊37'32	-4.8m
	14463 Nov 23 05:58	0°♊	retrograde		14466 May 25 23:17	14°♊20'17	
morning set	14463 Dec 17 03:35	29°♊35'13	evening set		14466 Jun 12 22:14	8°♊11'59	
	14463 Dec 17 11:35	0°♊	inferior conj		14466 Jun 15 18:54	6°♊25'52	9°03'47
	14464 Jan 10 17:12	0°♊	minimum elong		14466 Jun 15 15:47	6°♊30'45	9°02'35
			min. Earth dist.		14466 Jun 16 01:48	6°♊15'07	0.27713 AU
superior conj	14464 Jan 23 01:18	15°♊15'07	morning rise		14466 Jun 18 09:15	4°♊49'10	
minimum elong	14464 Jan 23 10:12	15°♊42'35			14466 Jun 27 21:41	30°♊	
max. Earth dist.	14464 Jan 24 15:32	17°♊13'13	direct		14466 Jul 06 18:07	28°♊24'11	
	14464 Feb 03 23:58	0°♊			14466 Jul 15 22:33	0°♊	
desc. node	14464 Feb 28 09:57	0°♊04'45	greatest brilliancy		14466 Jul 16 17:52	0°♊16'49	-4.9m
	14464 Feb 28 08:24	0°♊	desc. node		14466 Aug 15 09:15	20°♊44'45	
evening rise	14464 Feb 29 16:23	1°♊38'22			14466 Aug 25 00:52	0°♊	
	14464 Mar 23 18:03	0°♊	morning max el		14466 Aug 26 05:38	1°♊12'02	46°57'02
	14464 Apr 17 04:12	0°♊			14466 Sep 22 01:45	0°♊	
	14464 May 11 15:05	0°♊			14466 Oct 18 02:56	0°♊	
	14464 Jun 05 04:41	0°♊			14466 Nov 12 09:37	0°♊	
asc. node	14464 Jun 20 01:23	17°♊59'47	asc. node		14466 Dec 06 08:21	28°♊52'04	
	14464 Jun 30 01:16	0°♊			14466 Dec 07 06:46	0°♊	

	14466 Dec 31 21:51	0°♁		greatest brilliancy	14469 Jul 28 11:17	26°♎07'47	-4.9m
	14467 Jan 25 09:04	0°♊		retrograde	14469 Aug 07 09:30	27°♎59'12	
	14467 Feb 18 18:11	0°♋		evening set	14469 Aug 22 14:06	23°♎28'19	
morning set	14467 Feb 24 01:29	6°♋32'10		inferior conj	14469 Aug 28 01:33	20°♎15'05	3°44'35
	14467 Mar 15 02:13	0°♌		minimum elong	14469 Aug 28 09:42	20°♎02'40	3°41'51
desc. node	14467 Mar 28 00:28	15°♌57'37		min. Earth dist.	14469 Aug 28 09:07	20°♎03'35	0.26946 AU
max. Earth dist.	14467 Apr 01 03:23	21°♌03'05	1.72892 AU	morning rise	14469 Sep 03 05:12	16°♎39'24	
				desc. node	14469 Sep 11 18:12	13°♎13'06	
superior conj	14467 Apr 02 21:26	23°♌13'00	-0°14'13	direct	14469 Sep 17 18:25	12°♎28'55	
minimum elong	14467 Apr 02 18:04	23°♌02'35	0°14'20	greatest brilliancy	14469 Sep 27 21:47	14°♎23'30	-4.9m
behind sun begin	14467 Apr 02 07:19	22°♌29'22			14469 Oct 22 07:13	0°♏	
behind sun end	14467 Apr 03 04:49	23°♌35'49		morning max el	14469 Nov 06 16:27	14°♏07'58	46°27'53
	14467 Apr 08 09:09	0°♐			14469 Nov 22 04:01	0°♐	
	14467 May 02 14:28	0°♑			14469 Dec 19 07:48	0°♑	
evening rise	14467 May 11 09:54	10°♑55'59		asc. node	14470 Jan 02 19:55	16°♑42'27	
	14467 May 26 18:06	0°♒			14470 Jan 14 04:13	0°♒	
	14467 Jun 19 20:58	0°♓			14470 Feb 08 08:25	0°♓	
	14467 Jul 14 00:54	0°♈			14470 Mar 05 03:14	0°♈	
asc. node	14467 Jul 18 14:19	5°♈38'41			14470 Mar 29 16:20	0°♉	
	14467 Aug 07 08:21	0°♏			14470 Apr 23 01:19	0°♊	
	14467 Aug 31 22:51	0°♌		desc. node	14470 Apr 24 14:46	1°♊55'35	
	14467 Sep 26 02:58	0°♋		morning set	14470 May 05 20:26	15°♊49'30	
	14467 Oct 22 11:43	0°♁			14470 May 17 06:37	0°♑	
desc. node	14467 Nov 07 11:01	16°♓54'40			14470 Jun 10 08:33	0°♒	
evening max el	14467 Nov 12 14:00	22°♓01'47	46°15'18	max. Earth dist.	14470 Jun 11 16:59	1°♒41'17	1.71871 AU
	14467 Nov 20 23:50	0°♓					
greatest brilliancy	14467 Dec 22 00:47	21°♓12'41	-4.8m	superior conj	14470 Jun 14 11:40	5°♒09'34	-1°26'27
retrograde	14468 Jan 01 01:49	23°♓03'25		minimum elong	14470 Jun 14 08:07	4°♒58'30	1°27'27
evening set	14468 Jan 18 17:09	17°♓11'56			14470 Jul 04 08:07	0°♓	
inferior conj	14468 Jan 22 13:36	14°♓49'07	-7°34'17	evening rise	14470 Jul 24 10:12	25°♓09'49	
minimum elong	14468 Jan 22 22:57	14°♓34'25	7°31'59		14470 Jul 28 06:53	0°♈	
min. Earth dist.	14468 Jan 22 18:03	14°♓42'07	0.28788 AU	asc. node	14470 Aug 15 04:11	22°♈22'45	
morning rise	14468 Jan 27 04:43	11°♓58'33			14470 Aug 21 06:34	0°♏	
direct	14468 Feb 12 21:24	6°♓38'05			14470 Sep 14 08:48	0°♌	
greatest brilliancy	14468 Feb 23 12:39	8°♓41'11	-4.8m		14470 Oct 08 15:44	0°♋	
asc. node	14468 Feb 28 13:21	10°♓53'51			14470 Nov 02 07:06	0°♁	
	14468 Mar 25 07:07	0°♋			14470 Nov 27 13:19	0°♊	
morning max el	14468 Apr 02 01:00	7°♋19'40	45°51'46	desc. node	14470 Dec 04 21:49	8°♋31'44	
	14468 Apr 23 20:15	0°♌			14470 Dec 23 21:55	0°♋	
	14468 May 20 09:13	0°♍			14471 Jan 21 14:28	0°♌	
	14468 Jun 14 17:32	0°♎		evening max el	14471 Jan 22 16:43	1°♌03'26	45°57'22
desc. node	14468 Jun 19 14:44	5°♎52'49		greatest brilliancy	14471 Mar 02 15:32	29°♌29'21	-4.8m
	14468 Jul 09 10:27	0°♏			14471 Mar 04 04:55	0°♍	
	14468 Aug 02 18:24	0°♓		retrograde	14471 Mar 12 17:38	1°♍20'43	
	14468 Aug 26 21:40	0°♈			14471 Mar 20 21:32	30°♌00'34	
	14468 Sep 19 23:01	0°♏		evening set	14471 Mar 27 12:48	27°♌02'34	
morning set	14468 Oct 03 13:16	16°♏57'49		asc. node	14471 Mar 27 22:21	26°♌49'25	
asc. node	14468 Oct 10 07:23	25°♏23'36		inferior conj	14471 Apr 02 21:16	23°♌14'12	1°28'53
	14468 Oct 13 24:00	0°♌		minimum elong	14471 Apr 02 17:56	23°♌19'25	1°27'32
	14468 Nov 07 01:26	0°♋		min. Earth dist.	14471 Apr 02 23:37	23°♌10'32	0.28236 AU
				morning rise	14471 Apr 08 22:53	19°♌35'11	
superior conj	14468 Nov 11 05:06	5°♋10'25	1°07'45	direct	14471 Apr 24 02:11	15°♌04'50	
minimum elong	14468 Nov 10 18:59	4°♋38'54	1°08'19	greatest brilliancy	14471 May 04 14:24	17°♌08'18	-4.8m
max. Earth dist.	14468 Nov 13 05:41	7°♋41'39	1.72280 AU		14471 May 25 09:11	0°♍	
	14468 Dec 01 04:11	0°♁		morning max el	14471 Jun 13 01:18	17°♍01'27	46°32'24
evening rise	14468 Dec 18 12:58	21°♁31'27			14471 Jun 25 14:49	0°♑	
	14468 Dec 25 09:36	0°♊		desc. node	14471 Jul 18 01:37	24°♑56'48	
	14469 Jan 18 19:05	0°♋			14471 Jul 22 10:54	0°♒	
desc. node	14469 Jan 29 21:32	13°♋34'17			14471 Aug 16 20:33	0°♓	
	14469 Feb 12 09:24	0°♌			14471 Sep 10 14:56	0°♈	
	14469 Mar 09 04:40	0°♍			14471 Oct 05 02:22	0°♏	
	14469 Apr 03 05:38	0°♎			14471 Oct 29 10:34	0°♌	
	14469 Apr 28 16:08	0°♏		asc. node	14471 Nov 07 21:24	11°♌40'37	
asc. node	14469 May 22 15:51	27°♏25'31			14471 Nov 22 16:59	0°♋	
	14469 May 24 23:24	0°♓		morning set	14471 Dec 14 19:37	27°♋22'40	
evening max el	14469 Jun 18 06:34	25°♓44'55	46°36'50		14471 Dec 16 22:26	0°♁	
	14469 Jun 22 14:41	0°♈			14472 Jan 10 03:57	0°♊	

superior conj	14472 Jan 20 17:52	13° $\approx$ 04'47	1°15'20	morning rise	14474 Jun 16 00:33	2° $\approx$ 26'38	
minimum elong	14472 Jan 21 02:23	13° $\approx$ 31'04	1°15'57		14474 Jun 20 06:10	30° $\approx$ II	
max. Earth dist.	14472 Jan 22 11:13	15° $\approx$ 12'31	1.73048 AU	direct	14474 Jul 04 07:44	26° $\approx$ II02'54	
	14472 Feb 03 10:44	0° $\approx$		greatest brilliancy	14474 Jul 14 08:45	27° $\approx$ II56'20	-4.9m
evening rise	14472 Feb 27 08:17	29° $\approx$ 26'17			14474 Jul 19 03:19	0° $\approx$	
desc. node	14472 Feb 27 11:41	29° $\approx$ 36'44		desc. node	14474 Aug 14 11:09	19° $\approx$ 45'41	
	14472 Feb 27 19:15	0° $\approx$		morning max el	14474 Aug 23 18:54	28° $\approx$ 48'08	46°57'09
	14472 Mar 23 05:04	0° $\approx$			14474 Aug 24 23:23	0° $\approx$	
	14472 Apr 16 15:28	0° $\approx$			14474 Sep 21 17:59	0° $\approx$	
	14472 May 11 02:45	0° $\approx$			14474 Oct 17 16:47	0° $\approx$	
	14472 Jun 04 16:59	0° $\approx$			14474 Nov 11 22:13	0° $\approx$	
asc. node	14472 Jun 19 03:21	17° $\approx$ 02'59		asc. node	14474 Dec 05 10:18	28° $\approx$ II22'02	
	14472 Jun 29 14:36	0° $\approx$			14474 Dec 06 18:35	0° $\approx$	
	14472 Jul 25 03:52	0° $\approx$			14474 Dec 31 09:11	0° $\approx$	
	14472 Aug 21 05:02	0° $\approx$			14475 Jan 24 20:04	0° $\approx$	
evening max el	14472 Aug 29 21:00	8° $\approx$ II55'57	46°40'59		14475 Feb 18 05:01	0° $\approx$	
	14472 Sep 22 12:05	0° $\approx$		morning set	14475 Feb 21 18:04	4° $\approx$ II22'03	
greatest brilliancy	14472 Oct 08 02:59	9° $\approx$ 27'06'23	-4.8m		14475 Mar 14 12:58	0° $\approx$	
desc. node	14472 Oct 09 03:20	9° $\approx$ 29'00		desc. node	14475 Mar 27 02:17	15° $\approx$ Y29'55	
retrograde	14472 Oct 19 03:07	11° $\approx$ 20'08		max. Earth dist.	14475 Mar 29 21:10	18° $\approx$ Y56'30	1.72920 AU
evening set	14472 Nov 04 04:34	6° $\approx$ 20'05					
min. Earth dist.	14472 Nov 08 08:50	3° $\approx$ 27'49'56	0.27890 AU	superior conj	14475 Mar 31 12:27	20° $\approx$ Y57'51	-0°10'43
inferior conj	14472 Nov 09 06:14	3° $\approx$ 16'56	-6°56'20	minimum elong	14475 Mar 31 09:54	20° $\approx$ Y49'56	0°10'52
minimum elong	14472 Nov 08 19:39	3° $\approx$ 33'16	6°53'21	behind sun begin	14475 Mar 30 16:07	19° $\approx$ Y55'02	
morning rise	14472 Nov 13 11:13	0° $\approx$ 27'44'46		behind sun end	14475 Apr 01 03:40	21° $\approx$ Y44'50	
	14472 Nov 14 18:57	30° $\approx$ II			14475 Apr 07 19:56	0° $\approx$	
direct	14472 Nov 30 07:29	25° $\approx$ II24'05			14475 May 02 01:20	0° $\approx$	
greatest brilliancy	14472 Dec 09 17:20	27° $\approx$ II01'24	-4.8m	evening rise	14475 May 09 00:11	8° $\approx$ II37'27	
	14472 Dec 16 15:37	0° $\approx$			14475 May 26 05:07	0° $\approx$	
morning max el	14473 Jan 18 07:33	25° $\approx$ 27'40'09	45°48'28		14475 Jun 19 08:10	0° $\approx$	
	14473 Jan 22 17:36	0° $\approx$			14475 Jul 13 12:22	0° $\approx$	
asc. node	14473 Jan 30 06:05	7° $\approx$ II38'24		asc. node	14475 Jul 17 16:07	5° $\approx$ II08'32	
	14473 Feb 19 23:17	0° $\approx$			14475 Aug 06 20:15	0° $\approx$	
	14473 Mar 18 04:16	0° $\approx$			14475 Aug 31 11:27	0° $\approx$	
	14473 Apr 12 11:33	0° $\approx$			14475 Sep 25 16:55	0° $\approx$	
	14473 May 07 06:37	0° $\approx$			14475 Oct 22 04:37	0° $\approx$	
desc. node	14473 May 22 04:21	18° $\approx$ II14'53		desc. node	14475 Nov 06 13:03	16° $\approx$ II07'59	
	14473 May 31 17:25	0° $\approx$		evening max el	14475 Nov 10 04:14	19° $\approx$ II44'49	46°16'17
	14473 Jun 24 22:06	0° $\approx$			14475 Nov 21 02:45	0° $\approx$	
	14473 Jul 18 22:42	0° $\approx$		greatest brilliancy	14475 Dec 19 15:43	18° $\approx$ II59'51	-4.8m
morning set	14473 Jul 19 07:12	0° $\approx$ II26'34		retrograde	14475 Dec 29 17:40	20° $\approx$ II51'43	
	14473 Aug 11 21:19	0° $\approx$		evening set	14476 Jan 16 11:37	14° $\approx$ II55'41	
				inferior conj	14476 Jan 20 05:22	12° $\approx$ II37'10	-7°44'43
superior conj	14473 Aug 28 01:24	20° $\approx$ II16'28	-0°35'02	minimum elong	14476 Jan 20 14:21	12° $\approx$ II23'05	7°42'34
minimum elong	14473 Aug 28 09:43	20° $\approx$ II42'33	0°34'55	min. Earth dist.	14476 Jan 20 09:13	12° $\approx$ II31'09	0.28793 AU
max. Earth dist.	14473 Aug 28 17:59	21° $\approx$ II08'26	1.71521 AU	morning rise	14476 Jan 24 17:04	9° $\approx$ II51'54	
	14473 Sep 04 19:38	0° $\approx$		direct	14476 Feb 10 12:42	4° $\approx$ II26'10	
asc. node	14473 Sep 11 18:43	8° $\approx$ II43'22		greatest brilliancy	14476 Feb 21 04:06	6° $\approx$ II29'23	-4.8m
	14473 Sep 28 18:51	0° $\approx$		asc. node	14476 Feb 27 15:16	9° $\approx$ II26'50	
evening rise	14473 Oct 06 11:36	9° $\approx$ II36'59			14476 Mar 25 08:10	0° $\approx$	
	14473 Oct 22 20:03	0° $\approx$		morning max el	14476 Mar 30 16:44	5° $\approx$ II07'07	45°50'51
	14473 Nov 16 00:57	0° $\approx$			14476 Apr 23 12:35	0° $\approx$	
	14473 Dec 10 12:04	0° $\approx$			14476 May 19 22:51	0° $\approx$	
desc. node	14474 Jan 01 09:59	26° $\approx$ II29'18			14476 Jun 14 05:58	0° $\approx$	
	14474 Jan 04 08:20	0° $\approx$		desc. node	14476 Jun 18 16:34	5° $\approx$ II21'17	
	14474 Jan 29 16:59	0° $\approx$			14476 Jul 08 22:13	0° $\approx$	
	14474 Feb 24 19:44	0° $\approx$			14476 Aug 02 05:47	0° $\approx$	
	14474 Mar 24 09:36	0° $\approx$			14476 Aug 26 08:45	0° $\approx$	
evening max el	14474 Apr 04 00:22	10° $\approx$ II43'16	46°08'39		14476 Sep 19 09:54	0° $\approx$	
asc. node	14474 Apr 24 07:50	28° $\approx$ II46'50		morning set	14476 Oct 01 03:07	14° $\approx$ II37'31	
	14474 Apr 25 22:16	0° $\approx$		asc. node	14476 Oct 09 09:17	24° $\approx$ II55'54	
greatest brilliancy	14474 May 13 22:55	10° $\approx$ II17'22	-4.8m		14476 Oct 13 10:45	0° $\approx$	
retrograde	14474 May 23 12:31	12° $\approx$ II00'03			14476 Nov 06 12:07	0° $\approx$	
evening set	14474 Jun 10 09:19	5° $\approx$ II55'49					
inferior conj	14474 Jun 13 08:59	4° $\approx$ II05'14	8°59'53	superior conj	14476 Nov 08 20:28	2° $\approx$ II55'33	1°05'31
minimum elong	14474 Jun 13 04:58	4° $\approx$ II11'30	8°58'36	minimum elong	14476 Nov 08 10:10	2° $\approx$ II23'28	1°06'03
min. Earth dist.	14474 Jun 13 15:36	3° $\approx$ II54'54	0.27737 AU	max. Earth dist.	14476 Nov 10 20:01	5° $\approx$ II23'38	1.72253 AU

	14476 Nov 30 14:51	0°♄	desc. node	14479 Jul 17 03:31	24°♄20'01	
evening rise	14476 Dec 16 05:03	19°♄19'41		14479 Jul 22 01:12	0°♄	
	14476 Dec 24 20:20	0°♄		14479 Aug 16 09:18	0°♄	
	14477 Jan 18 05:58	0°♄		14479 Sep 10 02:52	0°♄	
desc. node	14477 Jan 28 23:14	13°♄05'53		14479 Oct 04 13:46	0°♄	
	14477 Feb 11 20:36	0°♄		14479 Oct 28 21:35	0°♄	
	14477 Mar 08 16:22	0°♄	asc. node	14479 Nov 06 23:17	11°♄12'47	
	14477 Apr 02 18:10	0°♄		14479 Nov 22 03:42	0°♄	
	14477 Apr 28 06:05	0°♄	morning set	14479 Dec 12 11:52	25°♄11'47	
asc. node	14477 May 21 17:50	26°♄45'22		14479 Dec 16 08:56	0°♄	
	14477 May 24 16:14	0°♄		14480 Jan 09 14:21	0°♄	
evening max el	14477 Jun 15 20:41	23°♄24'01 46°36'08				
	14477 Jun 22 16:04	0°♄	superior conj	14480 Jan 18 10:46	10°♄56'35 1°16'54	
greatest brilliancy	14477 Jul 26 00:40	23°♄43'27 -4.9m	minimum elong	14480 Jan 18 18:51	11°♄21'33 1°17'35	
retrograde	14477 Aug 04 23:03	25°♄34'40	max. Earth dist.	14480 Jan 20 06:24	13°♄11'22 1.73031 AU	
evening set	14477 Aug 20 05:41	20°♄59'55		14480 Feb 02 21:09	0°♄	
inferior conj	14477 Aug 25 14:16	17°♄50'28 4°06'43	evening rise	14480 Feb 25 00:24	27°♄15'50	
minimum elong	14477 Aug 25 23:04	17°♄37'04 4°03'48	desc. node	14480 Feb 26 13:34	29°♄10'08	
min. Earth dist.	14477 Aug 25 22:34	17°♄37'50 0.26953 AU		14480 Feb 27 05:47	0°♄	
morning rise	14477 Aug 31 16:22	14°♄17'03		14480 Mar 22 15:47	0°♄	
desc. node	14477 Sep 10 20:10	10°♄28'39		14480 Apr 16 02:28	0°♄	
direct	14477 Sep 15 07:41	10°♄04'03		14480 May 10 14:09	0°♄	
greatest brilliancy	14477 Sep 25 10:27	11°♄58'43 -4.9m		14480 Jun 04 05:01	0°♄	
	14477 Oct 22 14:46	0°♄	asc. node	14480 Jun 18 05:10	16°♄54'44	
morning max el	14477 Nov 04 07:20	11°♄50'31 46°29'28		14480 Jun 29 03:40	0°♄	
	14477 Nov 21 22:04	0°♄		14480 Jul 24 18:53	0°♄	
	14477 Dec 18 22:06	0°♄		14480 Aug 21 00:42	0°♄	
asc. node	14478 Jan 01 21:46	16°♄09'23	evening max el	14480 Aug 27 11:15	6°♄35'45 46°41'17	
	14478 Jan 13 16:49	0°♄		14480 Sep 23 08:23	0°♄	
	14478 Feb 07 20:07	0°♄	greatest brilliancy	14480 Oct 05 18:20	6°♄48'37 -4.8m	
	14478 Mar 04 14:24	0°♄	desc. node	14480 Oct 08 05:26	7°♄40'05	
	14478 Mar 29 03:13	0°♄	retrograde	14480 Oct 16 17:09	9°♄01'23	
	14478 Apr 22 12:03	0°♄	evening set	14480 Nov 01 15:22	4°♄07'10	
desc. node	14478 Apr 23 16:41	1°♄28'24	min. Earth dist.	14480 Nov 05 23:22	1°♄31'47 0.27833 AU	
morning set	14478 May 03 09:56	13°♄29'35	inferior conj	14480 Nov 06 20:22	0°♄59'22 -6°41'58	
	14478 May 16 17:18	0°♄	minimum elong	14480 Nov 06 09:39	1°♄15'56 6°38'53	
max. Earth dist.	14478 Jun 09 04:40	29°♄14'32 1.71904 AU		14480 Nov 08 10:59	30°♄	
	14478 Jun 09 19:14	0°♄	morning rise	14480 Nov 11 04:24	28°♄22'39	
			direct	14480 Nov 27 20:56	23°♄07'21	
superior conj	14478 Jun 12 00:13	2°♄45'27 -1°25'46	greatest brilliancy	14480 Dec 07 07:11	24°♄44'37 -4.8m	
minimum elong	14478 Jun 11 19:43	2°♄31'25 1°26'47		14480 Dec 18 06:16	0°♄	
	14478 Jul 03 18:50	0°♄	morning max el	14481 Jan 15 20:27	23°♄21'28 45°49'23	
evening rise	14478 Jul 21 21:45	22°♄41'53		14481 Jan 22 13:55	0°♄	
	14478 Jul 27 17:42	0°♄	asc. node	14481 Jan 29 08:00	6°♄55'49	
asc. node	14478 Aug 14 06:00	21°♄54'20		14481 Feb 19 14:05	0°♄	
	14478 Aug 20 17:31	0°♄		14481 Mar 17 17:00	0°♄	
	14478 Sep 13 19:55	0°♄		14481 Apr 11 23:17	0°♄	
	14478 Oct 08 03:09	0°♄		14481 May 06 17:50	0°♄	
	14478 Nov 01 19:04	0°♄	desc. node	14481 May 21 06:09	17°♄46'35	
	14478 Nov 27 02:22	0°♄		14481 May 31 04:20	0°♄	
desc. node	14478 Dec 03 23:43	7°♄58'18		14481 Jun 24 08:51	0°♄	
	14478 Dec 23 13:19	0°♄	morning set	14481 Jul 16 19:04	28°♄00'11	
evening max el	14479 Jan 20 08:52	28°♄53'24 45°57'24		14481 Jul 18 09:21	0°♄	
	14479 Jan 21 12:39	0°♄		14481 Aug 11 07:54	0°♄	
greatest brilliancy	14479 Feb 28 06:52	27°♄16'33 -4.8m				
retrograde	14479 Mar 10 08:33	29°♄07'12	superior conj	14481 Aug 25 13:35	17°♄51'09 -0°38'31	
evening set	14479 Mar 25 04:18	24°♄49'06	minimum elong	14481 Aug 25 22:35	18°♄19'22 0°38'26	
asc. node	14479 Mar 27 00:28	23°♄46'27	max. Earth dist.	14481 Aug 26 01:17	18°♄27'49 1.71510 AU	
inferior conj	14479 Mar 31 12:36	21°♄00'35 1°07'21		14481 Sep 04 06:12	0°♄	
minimum elong	14479 Mar 31 10:04	21°♄04'33 1°06'18	asc. node	14481 Sep 10 20:36	8°♄16'08	
min. Earth dist.	14479 Mar 31 15:20	20°♄56'18 0.28254 AU		14481 Sep 28 05:26	0°♄	
morning rise	14479 Apr 06 15:40	17°♄19'18	evening rise	14481 Oct 04 01:28	7°♄17'21	
direct	14479 Apr 21 18:05	12°♄51'18		14481 Oct 22 06:43	0°♄	
greatest brilliancy	14479 May 02 06:08	14°♄54'28 -4.8m		14481 Nov 15 11:47	0°♄	
	14479 May 25 17:40	0°♄		14481 Dec 09 23:12	0°♄	
morning max el	14479 Jun 10 15:52	14°♄44'29 46°30'47	desc. node	14481 Dec 31 11:47	26°♄00'02	
	14479 Jun 25 08:42	0°♄		14482 Jan 03 20:00	0°♄	

	14482 Jan 29 05:37	0°♈			14484 Jul 08 09:41	0°♎	
	14482 Feb 24 10:15	0°♉			14484 Aug 01 16:54	0°♏	
	14482 Mar 24 04:45	0°♊			14484 Aug 25 19:38	0°♐	
evening max el	14482 Apr 01 13:30	8°♊23'29	46°07'46		14484 Sep 18 20:37	0°♑	
asc. node	14482 Apr 23 09:45	27°♊36'53		morning set	14484 Sep 28 16:34	12°♑16'23	
	14482 Apr 26 16:51	0°♋		asc. node	14484 Oct 08 11:08	24°♑28'32	
greatest brilliancy	14482 May 11 11:58	7°♋57'12	-4.8m		14484 Oct 12 21:20	0°♌	
retrograde	14482 May 21 02:01	9°♋40'40			14484 Nov 05 22:37	0°♍	
evening set	14482 Jun 07 19:49	3°♋40'45					
inferior conj	14482 Jun 10 22:56	1°♋45'09	8°54'56	superior conj	14484 Nov 06 11:21	0°♍39'40	1°03'09
minimum elong	14482 Jun 10 18:04	1°♋52'46	8°53'33	minimum elong	14484 Nov 06 00:56	0°♍07'13	1°03'39
min. Earth dist.	14482 Jun 11 05:02	1°♋35'39	0.27765 AU	max. Earth dist.	14484 Nov 08 12:01	3°♍11'18	1.72222 AU
morning rise	14482 Jun 13 16:12	0°♌04'03			14484 Nov 30 01:20	0°♎	
	14482 Jun 13 18:51	30°♌♊		evening rise	14484 Dec 13 20:54	17°♎07'46	
direct	14482 Jul 01 21:30	23°♊42'06			14484 Dec 24 06:53	0°♏	
greatest brilliancy	14482 Jul 11 23:28	25°♊36'26	-4.9m		14485 Jan 17 16:43	0°♐	
	14482 Jul 20 23:32	0°♋		desc. node	14485 Jan 28 01:10	12°♐38'36	
desc. node	14482 Aug 13 13:10	18°♋49'01			14485 Feb 11 07:40	0°♈	
morning max el	14482 Aug 21 09:00	26°♋27'09	46°57'18		14485 Mar 08 03:58	0°♉	
	14482 Aug 24 20:44	0°♌			14485 Apr 02 06:35	0°♊	
	14482 Sep 21 09:36	0°♍			14485 Apr 27 19:56	0°♋	
	14482 Oct 17 06:08	0°♎		asc. node	14485 May 20 19:43	26°♋05'13	
	14482 Nov 11 10:21	0°♏			14485 May 24 09:08	0°♌	
asc. node	14482 Dec 04 12:03	27°♏52'39		evening max el	14485 Jun 13 11:09	21°♌04'48	46°35'19
	14482 Dec 06 05:59	0°♍			14485 Jun 22 18:34	0°♍	
	14482 Dec 30 20:07	0°♎		greatest brilliancy	14485 Jul 23 14:06	21°♍19'56	-4.9m
	14483 Jan 24 06:44	0°♏		retrograde	14485 Aug 02 12:15	23°♍10'28	
	14483 Feb 17 15:29	0°♐		evening set	14485 Aug 17 21:26	18°♍31'54	
morning set	14483 Feb 19 10:52	2°♐13'39		inferior conj	14485 Aug 23 02:59	15°♍26'14	4°28'19
	14483 Mar 13 23:22	0°♈		minimum elong	14485 Aug 23 12:21	15°♍11'58	4°25'17
desc. node	14483 Mar 26 04:11	15°♈03'42		min. Earth dist.	14485 Aug 23 11:57	15°♍12'34	0.26964 AU
max. Earth dist.	14483 Mar 27 17:05	16°♈57'38	1.72944 AU	morning rise	14485 Aug 29 03:15	11°♍55'12	
				desc. node	14485 Sep 09 22:17	7°♍50'17	
superior conj	14483 Mar 29 03:42	18°♈44'34	-0°07'15	direct	14485 Sep 12 21:14	7°♍39'38	
minimum elong	14483 Mar 29 01:58	18°♈39'10	0°07'24	greatest brilliancy	14485 Sep 22 23:06	9°♍33'54	-4.9m
behind sun begin	14483 Mar 28 04:33	17°♈33'01			14485 Oct 22 20:03	0°♎	
behind sun end	14483 Mar 29 23:22	19°♈45'19		morning max el	14485 Nov 01 21:29	9°♎31'06	46°30'53
	14483 Apr 07 06:20	0°♉			14485 Nov 21 15:42	0°♏	
	14483 May 01 11:51	0°♊			14485 Dec 18 12:14	0°♍	
evening rise	14483 May 06 14:43	6°♊20'57		asc. node	14485 Dec 31 23:46	15°♍37'01	
	14483 May 25 15:48	0°♋			14486 Jan 13 05:18	0°♎	
	14483 Jun 18 19:05	0°♌			14486 Feb 07 07:41	0°♏	
	14483 Jul 12 23:36	0°♍			14486 Mar 04 01:29	0°♐	
asc. node	14483 Jul 16 17:56	4°♍39'16			14486 Mar 28 14:02	0°♈	
	14483 Aug 06 07:55	0°♎			14486 Apr 21 22:45	0°♉	
	14483 Aug 30 23:53	0°♏		desc. node	14486 Apr 22 18:27	1°♉00'51	
	14483 Sep 25 06:44	0°♍		morning set	14486 Apr 30 23:35	11°♉10'21	
	14483 Oct 21 21:34	0°♎			14486 May 16 03:55	0°♊	
desc. node	14483 Nov 05 14:57	15°♎21'03		max. Earth dist.	14486 Jun 06 14:28	26°♊42'13	1.71933 AU
evening max el	14483 Nov 07 19:07	17°♎30'17	46°17'21		14486 Jun 09 05:50	0°♋	
	14483 Nov 21 07:03	0°♏					
greatest brilliancy	14483 Dec 17 05:54	16°♏46'50	-4.8m	superior conj	14486 Jun 09 13:06	0°♋22'40	-1°24'57
retrograde	14483 Dec 27 09:42	18°♏40'22		minimum elong	14486 Jun 09 07:43	0°♋05'53	1°25'56
evening set	14484 Jan 14 05:52	12°♏39'51			14486 Jul 03 05:28	0°♌	
inferior conj	14484 Jan 17 20:58	10°♏25'28	-7°54'32	evening rise	14486 Jul 19 09:33	20°♌14'59	
minimum elong	14484 Jan 18 05:31	10°♏12'06	7°52'31		14486 Jul 27 04:26	0°♍	
min. Earth dist.	14484 Jan 17 23:49	10°♏21'01	0.28796 AU	asc. node	14486 Aug 13 07:56	21°♍26'33	
morning rise	14484 Jan 22 05:10	7°♏45'40			14486 Aug 20 04:24	0°♎	
direct	14484 Feb 08 04:24	2°♏14'35			14486 Sep 13 07:02	0°♏	
greatest brilliancy	14484 Feb 18 18:53	4°♏17'23	-4.8m		14486 Oct 07 14:36	0°♍	
asc. node	14484 Feb 26 17:21	8°♏03'30			14486 Nov 01 07:08	0°♎	
	14484 Mar 25 07:40	0°♐			14486 Nov 26 15:37	0°♏	
morning max el	14484 Mar 28 08:59	2°♐56'44	45°50'06	desc. node	14486 Dec 03 01:35	7°♏24'18	
	14484 Apr 23 04:19	0°♈			14486 Dec 23 05:06	0°♐	
	14484 May 19 12:04	0°♉		evening max el	14487 Jan 17 23:59	26°♐40'35	45°57'33
	14484 Jun 13 18:02	0°♊			14487 Jan 21 11:56	0°♈	
desc. node	14484 Jun 17 18:27	4°♊50'58		greatest brilliancy	14487 Feb 25 22:36	25°♈03'54	-4.8m

retrograde	14487 Mar 07 23:02	26° $\Upsilon$ 53'27		superior conj	14489 Aug 23 01:50	15° $\eta$ 25'10	-0°41'55
evening set	14487 Mar 22 19:54	22° $\Upsilon$ 34'59		minimum elong	14489 Aug 23 11:28	15° $\eta$ 55'21	0°41'52
asc. node	14487 Mar 26 02:26	20° $\Upsilon$ 40'58		max. Earth dist.	14489 Aug 23 08:18	15° $\eta$ 45'26	1.71498 AU
inferior conj	14487 Mar 29 03:55	18° $\Upsilon$ 46'45	0°45'49		14489 Sep 03 17:02	0° $\Omega$	
minimum elong	14487 Mar 29 02:11	18° $\Upsilon$ 49'28	0°45'03	asc. node	14489 Sep 09 22:23	7° $\Omega$ 47'51	
min. Earth dist.	14487 Mar 29 07:20	18° $\Upsilon$ 41'22	0.28272 AU		14489 Sep 27 16:14	0° $\mathbb{M}$	
morning rise	14487 Apr 04 08:13	15° $\Upsilon$ 03'20		evening rise	14489 Oct 01 15:33	4° $\mathbb{M}$ 57'42	
direct	14487 Apr 19 09:28	10° $\Upsilon$ 37'20			14489 Oct 21 17:35	0° $\mathcal{X}$	
greatest brilliancy	14487 Apr 29 22:23	12° $\Upsilon$ 40'51	-4.8m		14489 Nov 14 22:50	0° $\mathcal{Z}$	
	14487 May 25 23:52	0° $\mathcal{B}$			14489 Dec 09 10:35	0° $\approx$	
morning max el	14487 Jun 08 05:35	12° $\mathcal{B}$ 25'05	46°29'20	desc. node	14489 Dec 30 13:44	25° $\approx$ 30'24	
	14487 Jun 25 02:16	0° $\mathbb{I}$			14490 Jan 03 07:58	0° $\mathcal{H}$	
desc. node	14487 Jul 16 05:31	23° $\mathbb{I}$ 43'40			14490 Jan 28 18:39	0° $\Upsilon$	
	14487 Jul 21 15:23	0° $\mathcal{E}$			14490 Feb 24 01:21	0° $\mathcal{B}$	
	14487 Aug 15 22:00	0° $\Omega$			14490 Mar 24 00:55	0° $\mathbb{I}$	
	14487 Sep 09 14:45	0° $\eta$		evening max el	14490 Mar 30 03:23	6° $\mathbb{I}$ 04'40	46°07'01
	14487 Oct 04 01:09	0° $\Omega$		asc. node	14490 Apr 22 11:40	26° $\mathbb{I}$ 23'55	
	14487 Oct 28 08:38	0° $\mathbb{M}$			14490 Apr 27 18:55	0° $\mathcal{E}$	
asc. node	14487 Nov 06 01:02	10° $\mathbb{M}$ 44'20		greatest brilliancy	14490 May 09 00:33	5° $\mathcal{E}$ 35'46	-4.8m
	14487 Nov 21 14:30	0° $\mathcal{X}$		retrograde	14490 May 18 16:05	7° $\mathcal{E}$ 20'36	
morning set	14487 Dec 10 03:51	22° $\mathcal{X}$ 59'34		evening set	14490 Jun 05 06:08	1° $\mathcal{E}$ 25'15	
	14487 Dec 15 19:34	0° $\mathcal{Z}$			14490 Jun 07 13:56	30° $\mathcal{R}$ $\mathbb{I}$	
	14488 Jan 09 00:56	0° $\approx$		inferior conj	14490 Jun 08 12:56	29° $\mathbb{I}$ 24'14	8°49'09
				minimum elong	14490 Jun 08 07:15	29° $\mathbb{I}$ 33'06	8°47'38
superior conj	14488 Jan 16 03:27	8° $\approx$ 47'12	1°18'22	min. Earth dist.	14490 Jun 08 18:09	29° $\mathbb{I}$ 16'08	0.27792 AU
minimum elong	14488 Jan 16 11:04	9° $\approx$ 10'44	1°19'06	morning rise	14490 Jun 11 08:15	27° $\mathbb{I}$ 40'10	
max. Earth dist.	14488 Jan 17 23:01	11° $\approx$ 01'47	1.73012 AU	direct	14490 Jun 29 11:51	21° $\mathbb{I}$ 20'34	
	14488 Feb 02 07:44	0° $\mathcal{H}$		greatest brilliancy	14490 Jul 09 13:41	23° $\mathbb{I}$ 15'13	-4.9m
evening rise	14488 Feb 22 16:14	25° $\mathcal{H}$ 04'06			14490 Jul 22 06:07	0° $\mathcal{E}$	
desc. node	14488 Feb 25 15:24	28° $\mathcal{H}$ 42'56		desc. node	14490 Aug 12 15:13	17° $\mathcal{E}$ 52'36	
	14488 Feb 26 16:28	0° $\Upsilon$		morning max el	14490 Aug 19 00:01	24° $\mathcal{E}$ 07'36	46°57'19
	14488 Mar 22 02:40	0° $\mathcal{B}$			14490 Aug 24 17:43	0° $\Omega$	
	14488 Apr 15 13:39	0° $\mathbb{I}$			14490 Sep 21 01:20	0° $\eta$	
	14488 May 10 01:47	0° $\mathcal{E}$			14490 Oct 16 19:41	0° $\Omega$	
	14488 Jun 03 17:19	0° $\Omega$			14490 Nov 10 22:43	0° $\mathbb{M}$	
asc. node	14488 Jun 17 07:04	16° $\Omega$ 22'01		asc. node	14490 Dec 03 14:02	27° $\mathbb{M}$ 23'13	
	14488 Jun 28 17:02	0° $\eta$			14490 Dec 05 17:37	0° $\mathcal{X}$	
	14488 Jul 24 10:16	0° $\Omega$			14490 Dec 30 07:18	0° $\mathcal{Z}$	
	14488 Aug 20 21:05	0° $\mathbb{M}$			14491 Jan 23 17:38	0° $\approx$	
evening max el	14488 Aug 25 00:40	4° $\mathbb{M}$ 13'18	46°41'45	morning set	14491 Feb 17 03:53	0° $\mathcal{H}$ 04'58	
	14488 Sep 24 12:18	0° $\mathcal{X}$			14491 Feb 17 02:16	0° $\mathcal{H}$	
greatest brilliancy	14488 Oct 03 09:35	4° $\mathcal{X}$ 30'42	-4.8m		14491 Mar 13 10:07	0° $\Upsilon$	
desc. node	14488 Oct 07 07:17	5° $\mathcal{X}$ 46'51		desc. node	14491 Mar 25 05:56	14° $\Upsilon$ 35'50	
retrograde	14488 Oct 14 07:18	6° $\mathcal{X}$ 43'00		max. Earth dist.	14491 Mar 25 13:09	14° $\Upsilon$ 58'05	1.72969 AU
evening set	14488 Oct 30 02:25	1° $\mathcal{X}$ 53'56					
	14488 Nov 02 07:51	30° $\mathcal{R}$ $\mathbb{M}$		superior conj	14491 Mar 26 18:59	16° $\Upsilon$ 30'12	-0°03'47
min. Earth dist.	14488 Nov 03 14:08	29° $\mathbb{M}$ 13'36	0.27780 AU	minimum elong	14491 Mar 26 18:03	16° $\Upsilon$ 27'20	0°03'55
inferior conj	14488 Nov 04 10:40	28° $\mathbb{M}$ 41'57	-6°27'00	behind sun begin	14491 Mar 25 18:47	15° $\Upsilon$ 15'29	
minimum elong	14488 Nov 03 23:52	28° $\mathbb{M}$ 58'36	6°23'48	behind sun end	14491 Mar 27 17:19	17° $\Upsilon$ 39'13	
morning rise	14488 Nov 08 21:45	26° $\mathbb{M}$ 00'48			14491 Apr 06 17:07	0° $\mathcal{B}$	
direct	14488 Nov 25 10:13	20° $\mathbb{M}$ 50'28			14491 Apr 30 22:44	0° $\mathbb{I}$	
greatest brilliancy	14488 Dec 04 21:43	22° $\mathbb{M}$ 28'24	-4.8m	evening rise	14491 May 04 05:10	4° $\mathbb{I}$ 03'06	
	14488 Dec 19 09:21	0° $\mathcal{X}$			14491 May 25 02:51	0° $\mathcal{E}$	
morning max el	14489 Jan 13 09:47	21° $\mathcal{X}$ 03'06	45°50'14		14491 Jun 18 06:22	0° $\Omega$	
	14489 Jan 22 09:49	0° $\mathcal{Z}$			14491 Jul 12 11:13	0° $\eta$	
asc. node	14489 Jan 28 10:03	6° $\mathcal{Z}$ 13'27		asc. node	14491 Jul 15 19:54	4° $\eta$ 09'15	
	14489 Feb 19 04:58	0° $\approx$			14491 Aug 05 20:02	0° $\Omega$	
	14489 Mar 17 05:56	0° $\mathcal{H}$			14491 Aug 30 12:49	0° $\mathbb{M}$	
	14489 Apr 11 11:15	0° $\Upsilon$			14491 Sep 24 21:08	0° $\mathcal{X}$	
	14489 May 06 05:16	0° $\mathcal{B}$			14491 Oct 21 15:18	0° $\mathcal{Z}$	
desc. node	14489 May 20 07:58	17° $\mathcal{B}$ 17'35		desc. node	14491 Nov 04 16:56	14° $\mathcal{Z}$ 32'36	
	14489 May 30 15:29	0° $\mathbb{I}$		evening max el	14491 Nov 05 10:58	15° $\mathcal{Z}$ 17'04	46°18'32
	14489 Jun 23 19:51	0° $\mathcal{E}$			14491 Nov 21 13:47	0° $\approx$	
morning set	14489 Jul 14 06:50	25° $\mathcal{E}$ 32'35		greatest brilliancy	14491 Dec 14 20:09	14° $\approx$ 33'34	-4.8m
	14489 Jul 17 20:17	0° $\Omega$		retrograde	14491 Dec 25 02:02	16° $\approx$ 28'40	
	14489 Aug 10 18:47	0° $\eta$		evening set	14492 Jan 12 00:13	10° $\approx$ 24'06	
				inferior conj	14492 Jan 15 12:45	8° $\approx$ 13'34	-8°03'39

minimum elong	14492 Jan 15 20:49	8°00'57	8°01'45			14494 Jul 26 15:27	0°00'	
min. Earth dist.	14492 Jan 15 14:15	8°11'13	0.28795 AU	asc. node		14494 Aug 12 09:39	20°05'11	
morning rise	14492 Jan 19 17:28	5°39'09				14494 Aug 19 15:34	0°00'	
direct	14492 Feb 05 20:43	0°03'06				14494 Sep 12 18:25	0°00'	
greatest brilliancy	14492 Feb 16 09:09	2°04'31	-4.7m			14494 Oct 07 02:21	0°00'	
asc. node	14492 Feb 25 19:18	6°42'18				14494 Oct 31 19:32	0°00'	
	14492 Mar 25 06:27	0°00'				14494 Nov 26 05:14	0°00'	
morning max el	14492 Mar 26 01:16	0°45'45	45°49'07	desc. node		14494 Dec 02 03:35	6°49'48	
	14492 Apr 22 20:10	0°00'				14494 Dec 22 21:24	0°00'	
	14492 May 19 01:34	0°00'		evening max el		14495 Jan 15 14:26	24°25'42	45°57'51
	14492 Jun 13 06:27	0°00'				14495 Jan 21 12:32	0°00'	
desc. node	14492 Jun 16 20:28	4°19'52		greatest brilliancy		14495 Feb 23 14:37	22°05'41	-4.8m
	14492 Jul 07 21:31	0°00'		retrograde		14495 Mar 05 13:43	24°04'24	
	14492 Aug 01 04:21	0°00'		evening set		14495 Mar 20 11:53	20°02'03	
	14492 Aug 25 06:51	0°00'		asc. node		14495 Mar 25 04:18	17°03'45	
	14492 Sep 18 07:40	0°00'		inferior conj		14495 Mar 26 19:27	16°03'35	0°24'24
morning set	14492 Sep 26 05:56	9°05'55		minimum elong		14495 Mar 26 18:32	16°03'50	0°23'55
asc. node	14492 Oct 07 12:51	23°05'40		min. Earth dist.		14495 Mar 26 23:40	16°02'58	0.28290 AU
	14492 Oct 12 08:17	0°00'		morning rise		14495 Apr 02 00:52	12°04'22	
				direct		14495 Apr 17 00:37	8°02'59	
superior conj	14492 Nov 04 02:13	28°02'31	1°00'41	greatest brilliancy		14495 Apr 27 15:10	10°02'25	-4.8m
minimum elong	14492 Nov 03 15:45	27°04'55	1°01'07			14495 May 26 03:57	0°00'	
	14492 Nov 05 09:30	0°00'		morning max el		14495 Jun 05 19:16	10°05'40	46°27'44
max. Earth dist.	14492 Nov 06 04:34	0°05'25	1.72188 AU			14495 Jun 24 19:28	0°00'	
	14492 Nov 29 12:10	0°00'		desc. node		14495 Jul 15 07:27	23°07'06	
evening rise	14492 Dec 11 12:53	14°05'07				14495 Jul 21 05:32	0°00'	
	14492 Dec 23 17:45	0°00'				14495 Aug 15 10:47	0°00'	
	14493 Jan 17 03:44	0°00'				14495 Sep 09 02:47	0°00'	
desc. node	14493 Jan 27 03:04	12°10'26				14495 Oct 03 12:42	0°00'	
	14493 Feb 10 19:02	0°00'				14495 Oct 27 19:48	0°00'	
	14493 Mar 07 15:53	0°00'		asc. node		14495 Nov 05 02:57	10°01'16	
	14493 Apr 01 19:24	0°00'				14495 Nov 21 01:25	0°00'	
	14493 Apr 27 10:19	0°00'		morning set		14495 Dec 07 19:29	20°04'53	
asc. node	14493 May 19 21:41	25°02'43				14495 Dec 15 06:19	0°00'	
	14493 May 24 02:52	0°00'				14496 Jan 08 11:36	0°00'	
evening max el	14493 Jun 11 01:15	18°04'19	46°34'24					
	14493 Jun 22 23:21	0°00'		superior conj		14496 Jan 13 20:05	6°03'17	1°19'44
greatest brilliancy	14493 Jul 21 04:02	18°05'44	-4.9m	minimum elong		14496 Jan 14 03:11	6°05'14	1°20'30
retrograde	14493 Jul 31 00:58	20°04'51		max. Earth dist.		14496 Jan 15 14:17	8°04'43	1.72993 AU
evening set	14493 Aug 15 13:16	16°02'32				14496 Feb 01 18:25	0°00'	
inferior conj	14493 Aug 20 15:40	13°00'48	4°49'27	evening rise		14496 Feb 20 08:13	22°05'39	
minimum elong	14493 Aug 21 01:31	12°04'55	4°46'18	desc. node		14496 Feb 24 17:09	28°05'15	
min. Earth dist.	14493 Aug 21 01:28	12°04'51	0.26976 AU			14496 Feb 26 03:14	0°00'	
morning rise	14493 Aug 26 13:46	9°03'21				14496 Mar 21 13:35	0°00'	
desc. node	14493 Sep 09 00:09	5°06'30				14496 Apr 15 00:50	0°00'	
direct	14493 Sep 10 10:18	5°06'43				14496 May 09 13:23	0°00'	
greatest brilliancy	14493 Sep 20 11:56	7°08'00	-4.9m			14496 Jun 03 05:37	0°00'	
	14493 Oct 22 23:56	0°00'		asc. node		14496 Jun 16 09:03	15°04'28	
morning max el	14493 Oct 30 10:36	7°07'55	46°32'18			14496 Jun 28 06:31	0°00'	
	14493 Nov 21 09:17	0°00'				14496 Jul 24 01:57	0°00'	
	14493 Dec 18 02:30	0°00'				14496 Aug 20 18:24	0°00'	
asc. node	14493 Dec 31 01:41	15°03'41		evening max el		14496 Aug 22 13:47	1°04'31	46°42'02
	14494 Jan 12 17:58	0°00'				14496 Sep 26 05:31	0°00'	
	14494 Feb 06 19:28	0°00'		greatest brilliancy		14496 Oct 01 00:07	2°04'28	-4.8m
	14494 Mar 03 12:45	0°00'		desc. node		14496 Oct 06 09:18	3°04'47	
	14494 Mar 28 01:01	0°00'		retrograde		14496 Oct 11 21:24	4°02'30	
	14494 Apr 21 09:37	0°00'				14496 Oct 26 21:36	30°00'00	
desc. node	14494 Apr 21 20:16	0°03'56		evening set		14496 Oct 27 13:08	29°03'38	
morning set	14494 Apr 28 13:28	8°05'15		min. Earth dist.		14496 Nov 01 04:24	26°05'45	0.27728 AU
	14494 May 15 14:45	0°00'		inferior conj		14496 Nov 02 00:32	26°02'49	-6°11'01
max. Earth dist.	14494 Jun 03 23:04	24°05'28	1.71973 AU	minimum elong		14496 Nov 01 13:45	26°03'23	6°07'44
				morning rise		14496 Nov 06 14:46	23°03'72	
superior conj	14494 Jun 07 01:58	27°05'10	-1°23'59	direct		14496 Nov 22 23:07	18°03'45	
minimum elong	14494 Jun 06 19:45	27°03'46	1°24'56	greatest brilliancy		14496 Dec 02 11:48	20°00'39	-4.8m
	14494 Jun 08 16:41	0°00'				14496 Dec 20 05:28	0°00'	
	14494 Jul 02 16:24	0°00'		morning max el		14497 Jan 10 23:30	18°04'52	45°51'16
evening rise	14494 Jul 16 20:59	17°04'05				14497 Jan 22 05:11	0°00'	

asc. node	14497 Jan 27 11:58	5° $\text{Z}$ 31'10		asc. node	14499 Jul 14 21:40	3° $\text{M}$ 39'52	
	14497 Feb 18 19:39	0° $\approx$			14499 Aug 05 07:45	0° $\text{L}$	
	14497 Mar 16 18:43	0° $\text{H}$			14499 Aug 30 01:20	0° $\text{M}$	
	14497 Apr 10 23:04	0° $\text{Y}$			14499 Sep 24 11:13	0° $\text{X}$	
	14497 May 05 16:32	0° $\text{B}$			14499 Oct 21 09:01	0° $\text{Z}$	
desc. node	14497 May 19 09:57	16° $\text{B}$ 49'35		evening max el	14499 Nov 03 02:50	13° $\text{Z}$ 04'44	46°19'21
	14497 May 30 02:26	0° $\text{II}$		desc. node	14499 Nov 03 18:56	13° $\text{Z}$ 44'17	
	14497 Jun 23 06:38	0° $\text{E}$			14499 Nov 21 22:46	0° $\approx$	
morning set	14497 Jul 11 18:56	23° $\text{E}$ 06'46		greatest brilliancy	14499 Dec 12 10:46	12° $\approx$ 20'54	-4.8m
	14497 Jul 17 06:59	0° $\text{O}$		retrograde	14499 Dec 22 17:53	14° $\approx$ 16'39	
	14497 Aug 10 05:28	0° $\text{M}$		evening set	14500 Jan 09 18:14	8° $\approx$ 08'32	
				inferior conj	14500 Jan 13 04:15	6° $\approx$ 01'35	-8°12'07
superior conj	14497 Aug 20 14:06	12° $\text{M}$ 59'38	-0°45'15	minimum elong	14500 Jan 13 11:47	5° $\approx$ 49'47	8°10'20
minimum elong	14497 Aug 21 00:16	13° $\text{M}$ 31'32	0°45'12	min. Earth dist.	14500 Jan 13 04:31	6° $\approx$ 01'10	0.28792 AU
max. Earth dist.	14497 Aug 20 17:38	13° $\text{M}$ 10'44	1.71498 AU	morning rise	14500 Jan 17 05:28	3° $\approx$ 32'23	
	14497 Sep 03 03:43	0° $\text{L}$			14500 Jan 24 04:12	30° $\text{R}$ $\text{Z}$	
asc. node	14497 Sep 09 00:11	7° $\text{L}$ 19'55		direct	14500 Feb 03 12:46	27° $\text{Z}$ 51'44	
	14497 Sep 27 02:57	0° $\text{M}$		greatest brilliancy	14500 Feb 13 22:54	29° $\text{Z}$ 51'14	-4.7m
evening rise	14497 Sep 29 05:21	2° $\text{M}$ 37'24			14500 Feb 14 08:22	0° $\approx$	
	14497 Oct 21 04:23	0° $\text{X}$		asc. node	14500 Feb 24 21:13	5° $\approx$ 23'55	
	14497 Nov 14 09:49	0° $\text{Z}$		morning max el	14500 Mar 24 16:32	28° $\approx$ 33'01	45°48'14
	14497 Dec 08 21:54	0° $\approx$			14500 Mar 26 04:01	0° $\text{H}$	
desc. node	14497 Dec 29 15:36	25° $\approx$ 00'45			14500 Apr 23 11:24	0° $\text{Y}$	
	14498 Jan 02 19:53	0° $\text{H}$			14500 May 19 14:35	0° $\text{B}$	
	14498 Jan 28 07:39	0° $\text{Y}$			14500 Jun 13 18:25	0° $\text{II}$	
	14498 Feb 23 16:31	0° $\text{B}$		desc. node	14500 Jun 16 22:16	3° $\text{II}$ 49'25	
	14498 Mar 23 21:34	0° $\text{II}$			14500 Jul 08 08:53	0° $\text{E}$	
evening max el	14498 Mar 27 18:17	3° $\text{II}$ 49'08	46°06'25		14500 Aug 01 15:21	0° $\text{O}$	
asc. node	14498 Apr 21 13:45	25° $\text{II}$ 09'52			14500 Aug 25 17:35	0° $\text{M}$	
	14498 Apr 29 07:15	0° $\text{E}$			14500 Sep 18 18:13	0° $\text{L}$	
greatest brilliancy	14498 May 06 13:06	3° $\text{E}$ 15'29	-4.8m	morning set	14500 Sep 24 19:43	7° $\text{L}$ 34'17	
retrograde	14498 May 16 06:37	5° $\text{E}$ 01'42		asc. node	14500 Oct 07 14:45	23° $\text{L}$ 32'56	
	14498 Jun 01 07:18	30° $\text{R}$ $\text{II}$			14500 Oct 12 18:44	0° $\text{M}$	
evening set	14498 Jun 02 16:28	29° $\text{II}$ 11'25					
inferior conj	14498 Jun 06 03:03	27° $\text{II}$ 04'39	8°42'34	superior conj	14500 Nov 02 17:17	26° $\text{M}$ 07'34	0°58'07
minimum elong	14498 Jun 05 20:37	27° $\text{II}$ 14'41	8°40'55	minimum elong	14500 Nov 02 06:52	25° $\text{M}$ 35'04	0°58'32
min. Earth dist.	14498 Jun 06 07:07	26° $\text{II}$ 58'19	0.27811 AU	max. Earth dist.	14500 Nov 04 21:28	28° $\text{M}$ 50'12	1.72158 AU
morning rise	14498 Jun 09 00:42	25° $\text{II}$ 17'09			14500 Nov 05 19:52	0° $\text{X}$	
direct	14498 Jun 27 02:40	19° $\text{II}$ 00'48			14500 Nov 29 22:33	0° $\text{Z}$	
greatest brilliancy	14498 Jul 07 03:17	20° $\text{II}$ 54'50	-4.9m	evening rise	14500 Dec 10 04:51	12° $\text{Z}$ 43'37	
	14498 Jul 23 03:27	0° $\text{E}$			14500 Dec 24 04:13	0° $\approx$	
desc. node	14498 Aug 11 17:05	16° $\text{E}$ 58'20			14501 Jan 17 14:26	0° $\text{H}$	
morning max el	14498 Aug 16 15:13	21° $\text{E}$ 49'59	46°57'09	desc. node	14501 Jan 27 04:46	11° $\text{H}$ 42'42	
	14498 Aug 24 13:30	0° $\text{O}$			14501 Feb 11 06:04	0° $\text{Y}$	
	14498 Sep 20 16:25	0° $\text{M}$			14501 Mar 08 03:29	0° $\text{B}$	
	14498 Oct 16 08:49	0° $\text{L}$			14501 Apr 02 07:55	0° $\text{II}$	
	14498 Nov 10 10:47	0° $\text{M}$			14501 Apr 28 00:29	0° $\text{E}$	
asc. node	14498 Dec 02 15:56	26° $\text{M}$ 54'06		asc. node	14501 May 19 23:39	24° $\text{E}$ 42'49	
	14498 Dec 05 05:02	0° $\text{X}$			14501 May 24 20:35	0° $\text{O}$	
	14498 Dec 29 18:16	0° $\text{Z}$		evening max el	14501 Jun 09 14:18	16° $\text{O}$ 20'26	46°33'29
	14499 Jan 23 04:20	0° $\approx$			14501 Jun 24 05:39	0° $\text{M}$	
morning set	14499 Feb 14 20:33	27° $\approx$ 56'00		greatest brilliancy	14501 Jul 19 18:36	16° $\text{M}$ 33'36	-4.9m
	14499 Feb 16 12:47	0° $\text{H}$		retrograde	14501 Jul 29 13:22	18° $\text{M}$ 20'45	
	14499 Mar 12 20:34	0° $\text{Y}$		evening set	14501 Aug 14 05:17	13° $\text{M}$ 34'25	
max. Earth dist.	14499 Mar 23 08:50	12° $\text{Y}$ 58'20	1.72988 AU	inferior conj	14501 Aug 19 04:27	10° $\text{M}$ 37'02	5°10'02
				minimum elong	14501 Aug 19 14:43	10° $\text{M}$ 21'18	5°06'48
superior conj	14499 Mar 24 09:59	14° $\text{Y}$ 15'58	-0°00'14	min. Earth dist.	14501 Aug 19 15:21	10° $\text{M}$ 20'19	0.26986 AU
minimum elong	14499 Mar 24 09:55	14° $\text{Y}$ 15'44	0°00'23	morning rise	14501 Aug 25 00:04	7° $\text{M}$ 11'19	
behind sun begin	14499 Mar 23 10:13	13° $\text{Y}$ 02'34		direct	14501 Sep 08 22:47	2° $\text{M}$ 49'55	
behind sun end	14499 Mar 25 09:36	15° $\text{Y}$ 28'54		desc. node	14501 Sep 09 02:10	2° $\text{M}$ 49'57	
desc. node	14499 Mar 24 07:43	14° $\text{Y}$ 08'55		greatest brilliancy	14501 Sep 19 01:17	4° $\text{M}$ 44'11	-4.9m
	14499 Apr 06 03:37	0° $\text{B}$			14501 Oct 24 01:33	0° $\text{L}$	
	14499 Apr 30 09:21	0° $\text{II}$		morning max el	14501 Oct 28 23:03	4° $\text{L}$ 44'35	46°33'53
evening rise	14499 May 01 19:33	1° $\text{II}$ 45'59			14501 Nov 22 01:53	0° $\text{M}$	
	14499 May 24 13:36	0° $\text{E}$			14501 Dec 18 16:04	0° $\text{X}$	
	14499 Jun 17 17:19	0° $\text{O}$		asc. node	14501 Dec 31 03:33	14° $\text{X}$ 31'51	
	14499 Jul 11 22:26	0° $\text{M}$			14502 Jan 13 06:05	0° $\text{Z}$	



	14502 Feb 07 06:48	0°≈		evening max el	14504 Aug 21 03:31	29°♂27'48	46°42'27
	14502 Mar 03 23:39	0°✕			14504 Aug 21 16:23	0°♍	
	14502 Mar 28 11:41	0°♀		greatest brilliancy	14504 Sep 29 14:10	29°♍50'05	-4.8m
desc. node	14502 Apr 21 22:11	0°♄06'17			14504 Sep 30 00:34	0°♊	
	14502 Apr 21 20:09	0°♄		desc. node	14504 Oct 06 11:22	1°♊44'17	
morning set	14502 Apr 27 03:05	6°♄32'21		retrograde	14504 Oct 10 12:01	2°♊03'26	
	14502 May 16 01:15	0°♅			14504 Oct 20 14:17	30°♋♍	
max. Earth dist.	14502 Jun 02 09:09	21°♅34'31	1.72012 AU	evening set	14504 Oct 26 00:01	27°♍23'20	
				min. Earth dist.	14504 Oct 30 18:22	24°♍34'29	0.27673 AU
superior conj	14502 Jun 05 14:40	25°♅36'17	-1°22'51	inferior conj	14504 Oct 31 14:21	24°♍03'52	-5°54'16
minimum elong	14502 Jun 05 07:38	25°♅14'19	1°23'45	minimum elong	14504 Oct 31 03:40	24°♍20'15	5°50'57
	14502 Jun 09 03:12	0°♆		morning rise	14504 Nov 05 07:45	21°♍14'25	
	14502 Jul 03 02:58	0°♎		direct	14504 Nov 21 12:25	16°♍13'17	
evening rise	14502 Jul 15 08:25	15°♎18'18		greatest brilliancy	14504 Dec 01 01:20	17°♍52'44	-4.8m
	14502 Jul 27 02:09	0°♏			14504 Dec 21 20:07	0°♊	
asc. node	14502 Aug 12 11:29	20°♏29'15		morning max el	14505 Jan 09 14:11	16°♊30'40	45°52'26
	14502 Aug 20 02:24	0°♑			14505 Jan 22 23:46	0°♎	
	14502 Sep 13 05:27	0°♍		asc. node	14505 Jan 27 13:55	4°♎50'04	
	14502 Oct 07 13:43	0°♊			14505 Feb 19 09:55	0°≈	
	14502 Nov 01 07:31	0°♎			14505 Mar 17 07:14	0°✕	
	14502 Nov 26 18:30	0°≈			14505 Apr 11 10:43	0°♀	
desc. node	14502 Dec 02 05:28	6°≈16'06			14505 May 06 03:44	0°♄	
	14502 Dec 23 13:31	0°✕		desc. node	14505 May 19 11:43	16°♄21'02	
evening max el	14503 Jan 14 04:17	22°✕10'34	45°58'02		14505 May 30 13:24	0°♅	
	14503 Jan 22 13:58	0°♀			14505 Jun 23 17:29	0°♆	
greatest brilliancy	14503 Feb 22 06:10	20°♀39'33	-4.8m	morning set	14505 Jul 10 06:42	20°♆39'42	
retrograde	14503 Mar 04 04:30	22°♀27'59			14505 Jul 17 17:46	0°♎	
evening set	14503 Mar 19 03:52	18°♀07'05			14505 Aug 10 16:11	0°♏	
inferior conj	14503 Mar 25 10:52	14°♀20'46	0°02'46				
minimum elong	14503 Mar 25 10:46	14°♀20'56	0°02'36	superior conj	14505 Aug 19 01:58	10°♏32'45	-0°48'31
transit middle	14503 Mar 25 10:46	14°♀20'56	0°02'36	minimum elong	14505 Aug 19 12:37	11°♏06'09	0°48'30
transit begin	14503 Mar 25 06:47	14°♀27'12		max. Earth dist.	14505 Aug 19 05:00	10°♏42'16	1.71492 AU
transit end	14503 Mar 25 14:46	14°♀14'39			14505 Sep 03 14:25	0°♑	
asc. node	14503 Mar 25 06:26	14°♀27'44		asc. node	14505 Sep 09 02:03	6°♑52'14	
min. Earth dist.	14503 Mar 25 15:52	14°♀12'55	0.28314 AU	evening rise	14505 Sep 27 18:58	0°♍16'28	
morning rise	14503 Mar 31 17:15	10°♀34'09			14505 Sep 27 13:41	0°♍	
direct	14503 Apr 15 15:37	6°♀10'41			14505 Oct 21 15:13	0°♊	
greatest brilliancy	14503 Apr 26 08:07	8°♀16'37	-4.8m		14505 Nov 14 20:50	0°♎	
	14503 May 27 06:11	0°♄			14505 Dec 09 09:15	0°≈	
morning max el	14503 Jun 04 09:42	7°♄48'40	46°26'16	desc. node	14505 Dec 29 17:24	24°≈30'51	
	14503 Jun 25 12:05	0°♅			14506 Jan 03 07:49	0°✕	
desc. node	14503 Jul 15 09:22	22°♅31'24			14506 Jan 28 20:42	0°♀	
	14503 Jul 21 19:17	0°♆			14506 Feb 24 07:51	0°♄	
	14503 Aug 15 23:14	0°♎			14506 Mar 24 18:56	0°♅	
	14503 Sep 09 14:31	0°♏		evening max el	14506 Mar 26 09:42	1°♅35'02	46°05'36
	14503 Oct 03 23:57	0°♑		asc. node	14506 Apr 21 15:40	23°♅52'57	
	14503 Oct 28 06:42	0°♍			14506 May 02 16:15	0°♆	
asc. node	14503 Nov 05 04:49	9°♍48'21		greatest brilliancy	14506 May 05 01:44	0°♆55'11	-4.8m
	14503 Nov 21 12:02	0°♊		retrograde	14506 May 14 20:53	2°♆42'12	
morning set	14503 Dec 06 11:24	18°♊33'50			14506 May 26 10:01	30°♋♅	
	14503 Dec 15 16:45	0°♎		evening set	14506 Jun 01 02:33	26°♅57'32	
	14504 Jan 08 21:58	0°≈		inferior conj	14506 Jun 04 17:07	24°♅44'33	8°34'57
				minimum elong	14506 Jun 04 09:59	24°♅55'40	8°33'10
superior conj	14504 Jan 12 12:59	4°≈29'09	1°20'57	min. Earth dist.	14506 Jun 04 20:09	24°♅39'50	0.27835 AU
minimum elong	14504 Jan 12 19:32	4°≈49'23	1°21'46	morning rise	14506 Jun 07 17:23	22°♅52'58	
max. Earth dist.	14504 Jan 14 07:19	6°≈40'00	1.72976 AU	direct	14506 Jun 25 17:33	16°♅40'32	
	14504 Feb 02 04:49	0°✕		greatest brilliancy	14506 Jul 05 16:48	18°♅33'28	-4.9m
evening rise	14504 Feb 19 00:27	20°✕42'48			14506 Jul 24 19:40	0°♆	
desc. node	14504 Feb 24 19:02	27°✕48'44		desc. node	14506 Aug 11 19:07	16°♆04'35	
	14504 Feb 26 13:45	0°♀		morning max el	14506 Aug 15 06:03	19°♆30'31	46°56'53
	14504 Mar 22 00:19	0°♄			14506 Aug 25 09:02	0°♎	
	14504 Apr 15 11:54	0°♅			14506 Sep 21 07:34	0°♏	
	14504 May 10 00:57	0°♆			14506 Oct 16 22:03	0°♑	
	14504 Jun 03 17:54	0°♎			14506 Nov 10 22:58	0°♍	
asc. node	14504 Jun 16 10:51	15°♎16'33		asc. node	14506 Dec 02 17:42	26°♍24'12	
	14504 Jun 28 20:00	0°♏			14506 Dec 05 16:33	0°♊	
	14504 Jul 24 17:46	0°♑			14506 Dec 30 05:22	0°♎	

	14507 Jan 23 15:09	0°♊			14509 Jun 24 14:50	0°♎		
morning set	14507 Feb 13 13:36	25°♊47'45		greatest brilliancy	14509 Jul 17 09:11	14°♎10'39	-4.9m	
	14507 Feb 16 23:27	0°♋		retrograde	14509 Jul 27 01:35	15°♎56'06		
	14507 Mar 13 07:11	0°♌		evening set	14509 Aug 11 21:24	11°♎05'09		
max. Earth dist.	14507 Mar 22 03:53	10°♌56'11	1.73004 AU	inferior conj	14509 Aug 16 17:19	8°♎12'25	5°29'45	
				minimum elong	14509 Aug 17 03:56	7°♎56'09	5°26'29	
superior conj	14507 Mar 23 01:34	12°♌03'08	0°03'16	min. Earth dist.	14509 Aug 17 05:28	7°♎53'47	0.27007 AU	
minimum elong	14507 Mar 23 02:17	12°♌05'20	0°03'07	morning rise	14509 Aug 22 10:17	4°♎49'53		
behind sun begin	14507 Mar 22 02:53	10°♌53'05		direct	14509 Sep 06 11:09	0°♎24'30		
behind sun end	14507 Mar 24 01:42	13°♌17'35		desc. node	14509 Sep 08 04:13	0°♎27'58		
desc. node	14507 Mar 24 09:38	13°♌42'06		greatest brilliancy	14509 Sep 16 15:14	2°♎19'49	-4.9m	
	14507 Apr 06 14:16	0°♍			14509 Oct 24 02:31	0°♏		
evening rise	14507 Apr 30 10:22	29°♍29'45		morning max el	14509 Oct 26 11:56	2°♏20'27	46°35'23	
	14507 Apr 30 20:07	0°♎			14509 Nov 21 18:45	0°♐		
	14507 May 25 00:34	0°♏			14509 Dec 18 06:03	0°♑		
	14507 Jun 18 04:32	0°♐		asc. node	14509 Dec 30 05:32	13°♑58'58		
	14507 Jul 12 10:01	0°♑			14510 Jan 12 18:37	0°♒		
asc. node	14507 Jul 14 23:32	3°♑09'44			14510 Feb 06 18:31	0°♓		
	14507 Aug 05 19:53	0°♒			14510 Mar 03 10:55	0°♋		
	14507 Aug 30 14:21	0°♓			14510 Mar 27 22:43	0°♌		
	14507 Sep 25 01:52	0°♋		desc. node	14510 Apr 20 23:55	29°♌37'53		
	14507 Oct 22 03:36	0°♌			14510 Apr 21 07:04	0°♍		
evening max el	14507 Nov 01 18:13	10°♌50'04	46°20'21	morning set	14510 Apr 24 17:03	4°♍13'24		
desc. node	14507 Nov 03 20:49	12°♌53'48			14510 May 15 12:06	0°♎		
	14507 Nov 23 11:29	0°♍		max. Earth dist.	14510 May 30 21:56	19°♎10'56	1.72048 AU	
greatest brilliancy	14507 Dec 11 02:07	10°♍08'19	-4.8m					
retrograde	14507 Dec 21 09:24	12°♍03'59		superior conj	14510 Jun 03 03:51	23°♎13'49	-1°21'34	
evening set	14508 Jan 08 12:12	5°♍52'47		minimum elong	14510 Jun 02 20:04	22°♎49'33	1°22'27	
inferior conj	14508 Jan 11 19:53	3°♍49'08	-8°19'49		14510 Jun 08 14:03	0°♏		
minimum elong	14508 Jan 12 02:50	3°♍38'15	8°18'11		14510 Jul 02 13:52	0°♐		
min. Earth dist.	14508 Jan 11 19:10	3°♍50'16	0.28783 AU	evening rise	14510 Jul 12 20:25	12°♐51'26		
morning rise	14508 Jan 15 17:34	1°♍24'58			14510 Jul 26 13:09	0°♑		
	14508 Jan 18 05:09	30°♋3		asc. node	14510 Aug 11 13:25	20°♑00'38		
direct	14508 Feb 02 04:31	25°♋39'54			14510 Aug 19 13:35	0°♒		
greatest brilliancy	14508 Feb 12 12:56	27°♋37'33	-4.7m		14510 Sep 12 16:52	0°♓		
	14508 Feb 17 22:54	0°♌			14510 Oct 07 01:33	0°♋		
asc. node	14508 Feb 24 23:19	4°♌07'32			14510 Oct 31 20:05	0°♌		
morning max el	14508 Mar 22 07:10	26°♌17'59	45°47'32		14510 Nov 26 08:26	0°♍		
	14508 Mar 26 01:04	0°♋		desc. node	14510 Dec 01 07:20	5°♍40'32		
	14508 Apr 23 02:40	0°♌			14510 Dec 23 06:32	0°♋		
	14508 May 19 03:45	0°♍		evening max el	14511 Jan 11 18:36	19°♋55'13	45°58'29	
	14508 Jun 13 06:35	0°♎			14511 Jan 22 17:35	0°♌		
desc. node	14508 Jun 16 00:09	3°♎18'33		greatest brilliancy	14511 Feb 19 21:15	18°♌25'48	-4.8m	
	14508 Jul 07 20:31	0°♏		retrograde	14511 Mar 01 19:49	20°♌14'39		
	14508 Aug 01 02:40	0°♐		evening set	14511 Mar 16 20:04	15°♌51'51		
	14508 Aug 25 04:43	0°♑		inferior conj	14511 Mar 23 02:18	12°♌06'52	-0°18'43	
	14508 Sep 18 05:14	0°♒		minimum elong	14511 Mar 23 03:01	12°♌05'45	0°18'36	
morning set	14508 Sep 22 09:00	5°♒11'37		min. Earth dist.	14511 Mar 23 07:49	11°♌58'14	0.28337 AU	
asc. node	14508 Oct 06 16:35	23°♒04'33		asc. node	14511 Mar 24 08:21	11°♌19'50		
	14508 Oct 12 05:38	0°♓		morning rise	14511 Mar 29 09:32	8°♌19'20		
				direct	14511 Apr 13 06:59	3°♌56'21		
superior conj	14508 Oct 31 07:54	23°♓49'45	0°55'25	greatest brilliancy	14511 Apr 24 00:46	6°♌03'39	-4.8m	
minimum elong	14508 Oct 30 21:35	23°♓17'35	0°55'48		14511 May 27 07:25	0°♍		
max. Earth dist.	14508 Nov 02 11:27	26°♓30'26	1.72122 AU	morning max el	14511 Jun 02 01:16	5°♍33'39	46°24'51	
	14508 Nov 05 06:41	0°♋			14511 Jun 25 04:44	0°♎		
	14508 Nov 29 09:21	0°♌		desc. node	14511 Jul 14 11:19	21°♎55'11		
evening rise	14508 Dec 07 20:29	10°♌29'51			14511 Jul 21 09:12	0°♏		
	14508 Dec 23 15:06	0°♍			14511 Aug 15 11:53	0°♐		
	14509 Jan 17 01:31	0°♋			14511 Sep 09 02:27	0°♑		
desc. node	14509 Jan 26 06:43	11°♋14'32			14511 Oct 03 11:25	0°♒		
	14509 Feb 10 17:32	0°♌			14511 Oct 27 17:51	0°♓		
	14509 Mar 07 15:31	0°♍		asc. node	14511 Nov 04 06:33	9°♓19'22		
	14509 Apr 01 20:53	0°♎			14511 Nov 20 22:58	0°♋		
	14509 Apr 27 15:07	0°♏		morning set	14511 Dec 04 03:02	16°♋19'45		
asc. node	14509 May 19 01:33	24°♏00'26			14511 Dec 15 03:34	0°♌		
	14509 May 24 15:02	0°♐			14512 Jan 08 08:44	0°♍		
evening max el	14509 Jun 07 02:34	13°♐54'54	46°32'33					

superior conj	14512 Jan 10 05:32	2° $\approx$ 18'37	1°22'04	direct	14514 Jun 23 08:11	14° $\Pi$ 20'29	
minimum elong	14512 Jan 10 11:29	2° $\approx$ 37'02	1°22'55	greatest brilliancy	14514 Jul 03 06:47	16° $\Pi$ 12'37	-4.9m
max. Earth dist.	14512 Jan 12 00:48	4° $\approx$ 32'27	1.72958 AU		14514 Jul 25 07:45	0° $\Theta$	
	14512 Feb 01 15:36	0° $\text{X}$		desc. node	14514 Aug 10 21:09	15° $\Theta$ 11'50	
evening rise	14512 Feb 16 16:22	18° $\text{X}$ 30'54		morning max el	14514 Aug 12 20:00	17° $\Theta$ 08'52	46°56'31
desc. node	14512 Feb 23 20:51	27° $\text{X}$ 21'00			14514 Aug 25 04:00	0° $\Omega$	
	14512 Feb 26 00:37	0° $\Upsilon$			14514 Sep 20 22:29	0° $\text{M}$	
	14512 Mar 21 11:23	0° $\text{B}$			14514 Oct 16 11:10	0° $\underline{\text{A}}$	
	14512 Apr 14 23:18	0° $\Pi$			14514 Nov 10 11:03	0° $\text{M}$	
	14512 May 09 12:50	0° $\Theta$		asc. node	14514 Dec 01 19:41	25° $\text{M}$ 55'14	
	14512 Jun 03 06:32	0° $\Omega$			14514 Dec 05 04:00	0° $\text{X}$	
asc. node	14512 Jun 15 12:46	14° $\Omega$ 43'04			14514 Dec 29 16:23	0° $\text{B}$	
	14512 Jun 28 09:51	0° $\text{M}$			14515 Jan 23 01:54	0° $\approx$	
	14512 Jul 24 10:03	0° $\underline{\text{A}}$		morning set	14515 Feb 11 06:38	23° $\approx$ 39'31	
evening max el	14512 Aug 18 18:22	27° $\underline{\text{A}}$ 08'35	46°42'54		14515 Feb 16 10:05	0° $\text{X}$	
	14512 Aug 21 15:24	0° $\text{M}$			14515 Mar 12 17:48	0° $\Upsilon$	
greatest brilliancy	14512 Sep 27 04:05	27° $\text{M}$ 29'30	-4.8m	max. Earth dist.	14515 Mar 19 20:30	8° $\Upsilon$ 46'34	1.73023 AU
desc. node	14512 Oct 05 13:12	29° $\text{M}$ 35'47					
retrograde	14512 Oct 08 03:08	29° $\text{M}$ 43'44		superior conj	14515 Mar 20 17:03	9° $\Upsilon$ 49'58	0°06'44
evening set	14512 Oct 23 11:16	25° $\text{M}$ 07'44		minimum elong	14515 Mar 20 18:35	9° $\Upsilon$ 54'41	0°06'35
min. Earth dist.	14512 Oct 28 08:15	22° $\text{M}$ 15'22	0.27622 AU	behind sun begin	14515 Mar 19 20:45	8° $\Upsilon$ 47'20	
inferior conj	14512 Oct 29 04:17	21° $\text{M}$ 44'43	-5°36'59	behind sun end	14515 Mar 21 16:24	11° $\Upsilon$ 02'01	
minimum elong	14512 Oct 28 17:46	22° $\text{M}$ 00'49	5°33'37	desc. node	14515 Mar 23 11:23	13° $\Upsilon$ 14'39	
morning rise	14512 Nov 03 00:47	18° $\text{M}$ 51'20			14515 Apr 06 00:57	0° $\text{B}$	
direct	14512 Nov 19 02:22	13° $\text{M}$ 54'46		evening rise	14515 Apr 28 00:54	27° $\text{B}$ 12'45	
greatest brilliancy	14512 Nov 28 14:32	15° $\text{M}$ 34'04	-4.8m		14515 Apr 30 06:55	0° $\Pi$	
	14512 Dec 22 07:13	0° $\text{X}$			14515 May 24 11:30	0° $\Theta$	
morning max el	14513 Jan 07 05:22	14° $\text{X}$ 16'27	45°53'20		14515 Jun 17 15:42	0° $\Omega$	
	14513 Jan 22 18:09	0° $\text{B}$			14515 Jul 11 21:33	0° $\text{M}$	
asc. node	14513 Jan 26 15:56	4° $\text{B}$ 08'50		asc. node	14515 Jul 14 01:28	2° $\text{M}$ 40'04	
	14513 Feb 19 00:21	0° $\approx$			14515 Aug 05 07:58	0° $\underline{\text{A}}$	
	14513 Mar 16 19:58	0° $\text{X}$			14515 Aug 30 03:21	0° $\text{M}$	
	14513 Apr 10 22:35	0° $\Upsilon$			14515 Sep 24 16:35	0° $\text{X}$	
	14513 May 05 15:06	0° $\text{B}$			14515 Oct 21 22:30	0° $\text{B}$	
desc. node	14513 May 18 13:33	15° $\text{B}$ 52'06		evening max el	14515 Oct 30 08:53	8° $\text{B}$ 33'53	46°21'20
	14513 May 30 00:30	0° $\Pi$		desc. node	14515 Nov 02 22:49	12° $\text{B}$ 03'06	
	14513 Jun 23 04:27	0° $\Theta$			14515 Nov 24 04:12	0° $\approx$	
morning set	14513 Jul 07 18:33	18° $\Theta$ 12'34		greatest brilliancy	14515 Dec 08 17:53	7° $\approx$ 56'43	-4.8m
	14513 Jul 17 04:41	0° $\Omega$		retrograde	14515 Dec 19 00:37	9° $\approx$ 52'08	
	14513 Aug 10 03:03	0° $\text{M}$		evening set	14516 Jan 06 06:00	3° $\approx$ 38'09	
				inferior conj	14516 Jan 09 11:36	1° $\approx$ 37'36	-8°26'45
superior conj	14513 Aug 16 14:00	8° $\text{M}$ 05'56	-0°51'40	minimum elong	14516 Jan 09 17:52	1° $\approx$ 27'45	8°25'14
minimum elong	14513 Aug 17 01:03	8° $\text{M}$ 40'35	0°51'43	min. Earth dist.	14516 Jan 09 10:09	1° $\approx$ 39'53	0.28773 AU
max. Earth dist.	14513 Aug 16 16:52	8° $\text{M}$ 14'55	1.71485 AU		14516 Jan 12 02:19	30° $\text{R}$ $\text{B}$	
	14513 Sep 03 01:14	0° $\underline{\text{A}}$		morning rise	14516 Jan 13 05:51	29° $\text{B}$ 18'20	
asc. node	14513 Sep 08 03:49	6° $\underline{\text{A}}$ 23'53		direct	14516 Jan 30 19:49	23° $\text{B}$ 28'51	
evening rise	14513 Sep 25 08:42	27° $\underline{\text{A}}$ 55'36		greatest brilliancy	14516 Feb 10 03:28	25° $\text{B}$ 25'14	-4.7m
	14513 Sep 27 00:31	0° $\text{M}$			14516 Feb 19 13:14	0° $\approx$	
	14513 Oct 21 02:08	0° $\text{X}$		asc. node	14516 Feb 24 01:14	2° $\approx$ 53'48	
	14513 Nov 14 07:56	0° $\text{B}$		morning max el	14516 Mar 19 21:17	24° $\approx$ 02'13	45°46'46
	14513 Dec 08 20:43	0° $\approx$			14516 Mar 25 21:12	0° $\text{X}$	
desc. node	14513 Dec 28 19:22	24° $\approx$ 00'58			14516 Apr 22 17:35	0° $\Upsilon$	
	14514 Jan 02 19:57	0° $\text{X}$			14516 May 18 16:44	0° $\text{B}$	
	14514 Jan 28 10:03	0° $\Upsilon$			14516 Jun 12 18:36	0° $\Pi$	
	14514 Feb 23 23:40	0° $\text{B}$		desc. node	14516 Jun 15 02:09	2° $\Pi$ 48'22	
evening max el	14514 Mar 24 01:02	29° $\text{B}$ 20'10	46°04'50		14516 Jul 07 07:59	0° $\Theta$	
	14514 Mar 24 17:25	0° $\Pi$			14516 Jul 31 13:48	0° $\Omega$	
asc. node	14514 Apr 20 17:35	22° $\Pi$ 33'07			14516 Aug 24 15:37	0° $\text{M}$	
greatest brilliancy	14514 May 02 15:06	28° $\Pi$ 35'26	-4.8m		14516 Sep 17 16:00	0° $\underline{\text{A}}$	
	14514 May 08 01:08	0° $\Theta$		morning set	14516 Sep 19 22:08	2° $\underline{\text{A}}$ 49'10	
retrograde	14514 May 12 10:45	0° $\Theta$ 22'26		asc. node	14516 Oct 05 18:19	22° $\underline{\text{A}}$ 36'36	
	14514 May 16 17:51	30° $\text{R}$ $\Pi$			14516 Oct 11 16:18	0° $\text{M}$	
evening set	14514 May 29 12:39	24° $\Pi$ 43'54					
inferior conj	14514 Jun 02 07:16	22° $\Pi$ 24'34	8°26'34	superior conj	14516 Oct 28 22:30	21° $\text{M}$ 32'37	0°52'38
minimum elong	14514 Jun 01 23:29	22° $\Pi$ 36'44	8°24'38	minimum elong	14516 Oct 28 12:21	21° $\text{M}$ 00'59	0°52'58
min. Earth dist.	14514 Jun 02 09:35	22° $\Pi$ 20'58	0.27853 AU	max. Earth dist.	14516 Oct 30 23:15	24° $\text{M}$ 04'37	1.72089 AU
morning rise	14514 Jun 05 10:16	20° $\Pi$ 28'36			14516 Nov 04 17:17	0° $\text{X}$	

	14516 Nov 28 19:55	0° $\text{Z}$		morning max el	14519 May 30 17:27	3° $\text{Z}$ 21'36	46°23'16
evening rise	14516 Dec 05 12:16	8° $\text{Z}$ 17'13			14519 Jun 24 20:39	0° $\text{II}$	
	14516 Dec 23 01:44	0° $\approx$		desc. node	14519 Jul 13 13:17	21° $\text{II}$ 20'15	
	14517 Jan 16 12:21	0° $\text{X}$			14519 Jul 20 22:40	0° $\text{E}$	
desc. node	14517 Jan 25 08:35	10° $\text{X}$ 46'58			14519 Aug 15 00:12	0° $\Omega$	
	14517 Feb 10 04:44	0° $\text{Y}$			14519 Sep 08 14:06	0° $\text{np}$	
	14517 Mar 07 03:19	0° $\text{B}$			14519 Oct 02 22:36	0° $\underline{\text{A}}$	
	14517 Apr 01 09:40	0° $\text{II}$			14519 Oct 27 04:41	0° $\text{M}$	
	14517 Apr 27 05:45	0° $\text{E}$		asc. node	14519 Nov 03 08:30	8° $\text{M}$ 52'07	
asc. node	14517 May 18 03:32	23° $\text{E}$ 18'08			14519 Nov 20 09:33	0° $\text{X}$	
	14517 May 24 09:51	0° $\Omega$		morning set	14519 Dec 01 18:33	14° $\text{X}$ 06'29	
evening max el	14517 Jun 04 14:40	11° $\Omega$ 29'25	46°31'38		14519 Dec 14 14:00	0° $\text{Z}$	
	14517 Jun 25 03:06	0° $\text{np}$					
greatest brilliancy	14517 Jul 14 23:19	11° $\text{np}$ 47'28	-4.9m	superior conj	14520 Jan 07 22:07	0° $\approx$ 09'17	1°23'04
retrograde	14517 Jul 24 14:02	13° $\text{np}$ 31'56		minimum elong	14520 Jan 08 03:26	0° $\approx$ 25'45	1°23'57
evening set	14517 Aug 09 13:29	8° $\text{np}$ 35'53			14520 Jan 07 19:07	0° $\approx$	
inferior conj	14517 Aug 14 06:06	5° $\text{np}$ 48'05	5°48'54	max. Earth dist.	14520 Jan 09 20:17	2° $\approx$ 32'06	1.72939 AU
minimum elong	14517 Aug 14 16:58	5° $\text{np}$ 31'26	5°45'39		14520 Feb 01 02:00	0° $\text{X}$	
min. Earth dist.	14517 Aug 14 19:19	5° $\text{np}$ 27'51	0.27027 AU	evening rise	14520 Feb 14 08:28	16° $\text{X}$ 20'38	
morning rise	14517 Aug 19 20:12	2° $\text{np}$ 29'24		desc. node	14520 Feb 22 22:37	26° $\text{X}$ 54'09	
	14517 Aug 25 00:31	30° $\text{R}\Omega$			14520 Feb 25 11:08	0° $\text{Y}$	
direct	14517 Sep 03 23:27	27° $\Omega$ 59'21			14520 Mar 20 22:06	0° $\text{B}$	
desc. node	14517 Sep 07 06:07	28° $\Omega$ 11'58			14520 Apr 14 10:20	0° $\text{II}$	
greatest brilliancy	14517 Sep 14 05:00	29° $\Omega$ 56'00	-4.9m		14520 May 09 00:21	0° $\text{E}$	
	14517 Sep 14 09:22	0° $\text{np}$			14520 Jun 02 18:50	0° $\Omega$	
morning max el	14517 Oct 24 01:35	29° $\text{np}$ 59'12	46°36'53	asc. node	14520 Jun 14 14:44	14° $\Omega$ 10'41	
	14517 Oct 24 01:55	0° $\underline{\text{A}}$			14520 Jun 27 23:28	0° $\text{np}$	
	14517 Nov 21 10:54	0° $\text{M}$			14520 Jul 24 02:19	0° $\underline{\text{A}}$	
	14517 Dec 17 19:30	0° $\text{X}$		evening max el	14520 Aug 16 09:54	24° $\underline{\text{A}}$ 51'39	46°43'06
asc. node	14517 Dec 29 07:27	13° $\text{X}$ 27'03			14520 Aug 21 15:16	0° $\text{M}$	
	14518 Jan 12 06:43	0° $\text{Z}$		greatest brilliancy	14520 Sep 24 18:12	25° $\text{M}$ 09'11	-4.9m
	14518 Feb 06 05:52	0° $\approx$		desc. node	14520 Oct 04 15:16	27° $\text{M}$ 22'03	
	14518 Mar 02 21:50	0° $\text{X}$		retrograde	14520 Oct 05 17:56	27° $\text{M}$ 23'32	
	14518 Mar 27 09:23	0° $\text{Y}$		evening set	14520 Oct 20 22:30	22° $\text{M}$ 51'49	
desc. node	14518 Apr 20 01:47	29° $\text{Y}$ 11'04		min. Earth dist.	14520 Oct 25 22:03	19° $\text{M}$ 55'49	0.27567 AU
	14518 Apr 20 17:37	0° $\text{B}$		inferior conj	14520 Oct 26 17:56	19° $\text{M}$ 25'22	-5°18'55
morning set	14518 Apr 22 07:16	1° $\text{B}$ 56'20		minimum elong	14520 Oct 26 07:41	19° $\text{M}$ 41'03	5°15'33
	14518 May 14 22:38	0° $\text{II}$		morning rise	14520 Oct 31 17:30	16° $\text{M}$ 27'57	
max. Earth dist.	14518 May 28 12:28	16° $\text{II}$ 53'41	1.72090 AU	direct	14520 Nov 16 16:15	11° $\text{M}$ 36'17	
				greatest brilliancy	14520 Nov 26 03:15	13° $\text{M}$ 14'58	-4.8m
superior conj	14518 May 31 16:51	20° $\text{II}$ 51'47	-1°20'08		14520 Dec 22 15:02	0° $\text{X}$	
minimum elong	14518 May 31 08:24	20° $\text{II}$ 25'26	1°20'59	morning max el	14521 Jan 04 19:51	12° $\text{X}$ 01'25	45°54'21
	14518 Jun 08 00:37	0° $\text{E}$			14521 Jan 22 11:43	0° $\text{Z}$	
	14518 Jul 02 00:32	0° $\Omega$		asc. node	14521 Jan 25 17:52	3° $\text{Z}$ 28'51	
evening rise	14518 Jul 10 08:05	10° $\Omega$ 24'18			14521 Feb 18 14:14	0° $\approx$	
	14518 Jul 25 23:56	0° $\text{np}$			14521 Mar 16 08:15	0° $\text{X}$	
asc. node	14518 Aug 10 15:08	19° $\text{np}$ 32'09			14521 Apr 10 10:02	0° $\text{Y}$	
	14518 Aug 19 00:30	0° $\underline{\text{A}}$			14521 May 05 02:06	0° $\text{B}$	
	14518 Sep 12 04:00	0° $\text{M}$		desc. node	14521 May 17 15:32	15° $\text{B}$ 24'46	
	14518 Oct 06 13:05	0° $\text{X}$			14521 May 29 11:15	0° $\text{II}$	
	14518 Oct 31 08:21	0° $\text{Z}$			14521 Jun 22 15:05	0° $\text{E}$	
	14518 Nov 25 22:07	0° $\approx$		morning set	14521 Jul 05 06:43	15° $\text{E}$ 47'37	
desc. node	14518 Nov 30 09:21	5° $\approx$ 06'15			14521 Jul 16 15:14	0° $\Omega$	
	14518 Dec 22 23:29	0° $\text{X}$			14521 Aug 09 13:35	0° $\text{np}$	
evening max el	14519 Jan 09 09:58	17° $\text{X}$ 43'43	45°58'59				
	14519 Jan 22 22:29	0° $\text{Y}$		superior conj	14521 Aug 14 02:09	5° $\text{np}$ 40'24	-0°54'44
greatest brilliancy	14519 Feb 17 11:56	16° $\text{Y}$ 13'07	-4.8m	minimum elong	14521 Aug 14 13:30	6° $\text{np}$ 15'59	0°54'48
retrograde	14519 Feb 27 11:36	18° $\text{Y}$ 02'44		max. Earth dist.	14521 Aug 14 04:00	5° $\text{np}$ 46'12	1.71484 AU
evening set	14519 Mar 14 12:32	13° $\text{Y}$ 38'01			14521 Sep 02 11:47	0° $\underline{\text{A}}$	
inferior conj	14519 Mar 20 17:47	9° $\text{Y}$ 54'24	-0°40'05	asc. node	14521 Sep 07 05:38	5° $\underline{\text{A}}$ 56'29	
minimum elong	14519 Mar 20 19:18	9° $\text{Y}$ 52'02	0°39'41	evening rise	14521 Sep 22 22:08	25° $\underline{\text{A}}$ 34'23	
min. Earth dist.	14519 Mar 20 23:28	9° $\text{Y}$ 45'30	0.28360 AU		14521 Sep 26 11:08	0° $\text{M}$	
asc. node	14519 Mar 23 10:16	8° $\text{Y}$ 14'11			14521 Oct 20 12:52	0° $\text{X}$	
morning rise	14519 Mar 27 01:42	6° $\text{Y}$ 06'19			14521 Nov 13 18:51	0° $\text{Z}$	
direct	14519 Apr 10 22:51	1° $\text{Y}$ 43'42			14521 Dec 08 07:59	0° $\approx$	
greatest brilliancy	14519 Apr 21 16:50	3° $\text{Y}$ 51'36	-4.8m	desc. node	14521 Dec 27 21:14	23° $\approx$ 31'27	
	14519 May 27 06:53	0° $\text{B}$			14522 Jan 02 07:53	0° $\text{X}$	

	14522 Jan 27 23:14	0°♄			14524 Jul 06 19:23	0°♅		
	14522 Feb 23 15:27	0°♂			14524 Jul 31 00:53	0°♁		
evening max el	14522 Mar 21 15:48	27°♂04'48	46°04'04		14524 Aug 24 02:30	0°♎		
	14522 Mar 24 16:32	0°♂		morning set	14524 Sep 17 11:34	0°♌27'38		
asc. node	14522 Apr 19 19:42	21°♂11'57			14524 Sep 17 02:43	0°♌		
greatest brilliancy	14522 Apr 30 05:10	26°♂17'39	-4.8m	asc. node	14524 Oct 04 20:14	22°♌09'24		
retrograde	14522 May 10 00:15	28°♂04'12			14524 Oct 11 02:55	0°♍		
evening set	14522 May 26 22:54	22°♂31'49						
inferior conj	14522 May 30 21:38	20°♂06'14	8°17'26	superior conj	14524 Oct 26 13:21	19°♍16'19	0°49'47	
minimum elong	14522 May 30 13:15	20°♂19'22	8°15'20	minimum elong	14524 Oct 26 03:26	18°♍45'22	0°50'04	
min. Earth dist.	14522 May 30 23:36	20°♂03'09	0.27869 AU	max. Earth dist.	14524 Oct 28 11:03	21°♍38'48	1.72059 AU	
morning rise	14522 Jun 03 03:30	18°♂05'40			14524 Nov 04 03:50	0°♎		
direct	14522 Jun 20 22:33	12°♂01'58			14524 Nov 28 06:30	0°♎		
greatest brilliancy	14522 Jun 30 21:32	13°♂54'00	-4.9m	evening rise	14524 Dec 03 04:17	6°♎05'16		
	14522 Jul 25 16:07	0°♅			14524 Dec 22 12:26	0°♏		
desc. node	14522 Aug 09 23:02	14°♅20'50			14525 Jan 15 23:17	0°♏		
morning max el	14522 Aug 10 09:09	14°♅46'13	46°56'10	desc. node	14525 Jan 24 10:19	10°♏18'43		
	14522 Aug 24 22:05	0°♁			14525 Feb 09 16:03	0°♄		
	14522 Sep 20 12:54	0°♎			14525 Mar 06 15:15	0°♂		
	14522 Oct 15 23:57	0°♌			14525 Mar 31 22:38	0°♂		
	14522 Nov 09 22:55	0°♍			14525 Apr 26 20:39	0°♅		
asc. node	14522 Nov 30 21:34	25°♍26'21		asc. node	14525 May 17 05:29	22°♅35'02		
	14522 Dec 04 15:16	0°♎			14525 May 24 05:18	0°♁		
	14522 Dec 29 03:15	0°♎		evening max el	14525 Jun 02 03:21	9°♁05'23	46°30'47	
	14523 Jan 22 12:30	0°♏			14525 Jun 25 19:41	0°♎		
morning set	14523 Feb 08 23:31	21°♏31'19		greatest brilliancy	14525 Jul 12 12:52	9°♎23'35	-4.9m	
	14523 Feb 15 20:32	0°♏		retrograde	14525 Jul 22 03:04	11°♎07'50		
	14523 Mar 12 04:14	0°♄		evening set	14525 Aug 07 05:44	6°♎06'19		
max. Earth dist.	14523 Mar 17 13:00	6°♄37'11	1.73040 AU	inferior conj	14525 Aug 11 18:56	3°♎23'31	6°07'25	
				minimum elong	14525 Aug 12 05:59	3°♎06'36	6°04'09	
superior conj	14523 Mar 18 08:36	7°♄37'40	0°10'10	min. Earth dist.	14525 Aug 12 08:53	3°♎02'11	0.27051 AU	
minimum elong	14523 Mar 18 10:55	7°♄44'49	0°10'01	morning rise	14525 Aug 17 05:59	0°♎09'12		
behind sun begin	14523 Mar 17 16:16	6°♄47'16			14525 Aug 17 12:40	30°♎♁		
behind sun end	14523 Mar 19 05:35	8°♄42'23		direct	14525 Sep 01 12:20	25°♁33'56		
desc. node	14523 Mar 22 13:13	12°♄48'03		desc. node	14525 Sep 06 08:09	26°♁01'10		
	14523 Apr 05 11:27	0°♂		greatest brilliancy	14525 Sep 11 18:27	27°♁31'35	-4.9m	
evening rise	14523 Apr 25 15:41	24°♂57'04			14525 Sep 17 07:55	0°♎		
	14523 Apr 29 17:32	0°♂		morning max el	14525 Oct 21 16:10	27°♎39'55	46°38'29	
	14523 May 23 22:18	0°♅			14525 Oct 24 00:25	0°♌		
	14523 Jun 17 02:44	0°♁			14525 Nov 21 02:52	0°♍		
	14523 Jul 11 08:57	0°♎			14525 Dec 17 08:57	0°♎		
asc. node	14523 Jul 13 03:14	2°♎10'18		asc. node	14525 Dec 28 09:18	12°♎54'46		
	14523 Aug 04 19:55	0°♌			14526 Jan 11 18:54	0°♎		
	14523 Aug 29 16:15	0°♍			14526 Feb 05 17:21	0°♏		
	14523 Sep 24 07:18	0°♎			14526 Mar 02 08:56	0°♏		
	14523 Oct 21 17:51	0°♎			14526 Mar 26 20:16	0°♄		
evening max el	14523 Oct 27 22:48	6°♎16'00	46°22'10	desc. node	14526 Apr 19 03:42	28°♄43'43		
desc. node	14523 Nov 02 00:50	11°♎11'39		morning set	14526 Apr 19 21:33	29°♄38'52		
	14523 Nov 25 02:56	0°♏			14526 Apr 20 04:23	0°♂		
greatest brilliancy	14523 Dec 06 09:28	5°♏44'37	-4.8m		14526 May 14 09:22	0°♂		
retrograde	14523 Dec 16 15:41	7°♏40'09		max. Earth dist.	14526 May 26 03:56	14°♂38'51	1.72128 AU	
evening set	14524 Jan 03 23:29	1°♏23'29						
	14524 Jan 06 05:28	30°♎♎		superior conj	14526 May 29 05:50	18°♂29'04	-1°18'34	
inferior conj	14524 Jan 07 03:15	29°♎25'51	-8°32'56	minimum elong	14526 May 28 20:46	18°♂00'50	1°19'21	
minimum elong	14524 Jan 07 08:50	29°♎17'06	8°31'31		14526 Jun 07 11:23	0°♅		
min. Earth dist.	14524 Jan 07 01:18	29°♎28'55	0.28763 AU		14526 Jul 01 11:24	0°♁		
morning rise	14524 Jan 10 18:15	27°♎11'24		evening rise	14526 Jul 07 19:51	7°♁56'55		
direct	14524 Jan 28 10:45	21°♎17'22			14526 Jul 25 10:56	0°♎		
greatest brilliancy	14524 Feb 07 18:35	23°♎13'23	-4.7m	asc. node	14526 Aug 09 16:59	19°♎03'20		
	14524 Feb 20 15:57	0°♏			14526 Aug 18 11:40	0°♌		
asc. node	14524 Feb 23 03:11	1°♏42'04			14526 Sep 11 15:26	0°♍		
morning max el	14524 Mar 17 11:33	21°♏46'45	45°46'12		14526 Oct 06 00:55	0°♎		
	14524 Mar 25 16:41	0°♏			14526 Oct 30 20:56	0°♎		
	14524 Apr 22 08:15	0°♄			14526 Nov 25 12:11	0°♏		
	14524 May 18 05:33	0°♂		desc. node	14526 Nov 29 11:14	4°♏30'40		
	14524 Jun 12 06:30	0°♂			14526 Dec 22 17:04	0°♏		
desc. node	14524 Jun 14 03:57	2°♂17'51		evening max el	14527 Jan 07 02:00	15°♏33'09	45°59'23	

	14527 Jan 23 05:56	0°♂			14529 Aug 09 00:32	0°♂	
greatest brilliancy	14527 Feb 15 02:37	13°♂59'48	-4.8m				
retrograde	14527 Feb 25 03:21	15°♂49'53		superior conj	14529 Aug 11 14:02	3°♂12'48	-0°57'42
evening set	14527 Mar 12 05:15	11°♂23'19		minimum elong	14529 Aug 12 01:35	3°♂49'00	0°57'49
inferior conj	14527 Mar 18 09:17	7°♂41'05	-1°01'27	max. Earth dist.	14529 Aug 11 12:21	3°♂07'31	1.71479 AU
minimum elong	14527 Mar 18 11:36	7°♂37'27	1°00'46		14529 Sep 01 22:45	0°♂	
min. Earth dist.	14527 Mar 18 15:01	7°♂32'05	0.28383 AU	asc. node	14529 Sep 06 07:30	5°♂28'02	
asc. node	14527 Mar 22 12:23	5°♂08'44		evening rise	14529 Sep 20 11:17	23°♂11'04	
morning rise	14527 Mar 24 17:42	3°♂52'33			14529 Sep 25 22:09	0°♂	
	14527 Apr 03 16:53	30°♂			14529 Oct 19 24:00	0°♂	
direct	14527 Apr 08 15:07	29°♂30'19			14529 Nov 13 06:12	0°♂	
	14527 Apr 13 16:19	0°♂			14529 Dec 07 19:43	0°♂	
greatest brilliancy	14527 Apr 19 08:34	1°♂38'07	-4.8m	desc. node	14529 Dec 26 23:03	23°♂00'21	
	14527 May 27 05:45	0°♂			14530 Jan 01 20:18	0°♂	
morning max el	14527 May 28 09:30	1°♂08'20	46°21'38		14530 Jan 27 12:58	0°♂	
	14527 Jun 24 12:39	0°♂			14530 Feb 23 07:55	0°♂	
desc. node	14527 Jul 12 15:11	20°♂44'25		evening max el	14530 Mar 19 05:31	24°♂45'56	46°03'20
	14527 Jul 20 12:19	0°♂			14530 Mar 24 17:12	0°♂	
	14527 Aug 14 12:44	0°♂		asc. node	14530 Apr 18 21:33	19°♂46'31	
	14527 Sep 08 01:59	0°♂		greatest brilliancy	14530 Apr 27 19:11	23°♂58'42	-4.8m
	14527 Oct 02 10:04	0°♂		retrograde	14530 May 07 13:37	25°♂45'03	
	14527 Oct 26 15:51	0°♂		evening set	14530 May 24 09:05	20°♂18'30	
asc. node	14527 Nov 02 10:19	8°♂23'22		inferior conj	14530 May 28 12:00	17°♂46'46	8°07'23
	14527 Nov 19 20:29	0°♂		minimum elong	14530 May 28 03:04	18°♂00'45	8°05'06
morning set	14527 Nov 29 10:09	11°♂52'20		min. Earth dist.	14530 May 28 13:49	17°♂43'55	0.27889 AU
	14527 Dec 14 00:47	0°♂		morning rise	14530 May 31 20:56	15°♂41'24	
				direct	14530 Jun 18 12:34	9°♂42'04	
superior conj	14528 Jan 05 14:50	27°♂59'19	1°23'56	greatest brilliancy	14530 Jun 28 12:56	11°♂34'51	-4.9m
minimum elong	14528 Jan 05 19:29	28°♂13'41	1°24'50		14530 Jul 25 22:42	0°♂	
	14528 Jan 07 05:50	0°♂		morning max el	14530 Aug 07 22:12	12°♂21'49	46°55'45
max. Earth dist.	14528 Jan 07 16:49	0°♂34'00	1.72915 AU	desc. node	14530 Aug 09 01:05	13°♂29'37	
	14528 Jan 31 12:44	0°♂			14530 Aug 24 16:15	0°♂	
evening rise	14528 Feb 12 00:40	14°♂09'36			14530 Sep 20 03:37	0°♂	
desc. node	14528 Feb 22 00:31	26°♂26'44			14530 Oct 15 13:03	0°♂	
	14528 Feb 24 22:00	0°♂			14530 Nov 09 11:06	0°♂	
	14528 Mar 20 09:12	0°♂		asc. node	14530 Nov 29 23:20	24°♂56'12	
	14528 Apr 13 21:48	0°♂			14530 Dec 04 02:52	0°♂	
	14528 May 08 12:21	0°♂			14530 Dec 28 14:27	0°♂	
	14528 Jun 02 07:37	0°♂			14531 Jan 21 23:27	0°♂	
asc. node	14528 Jun 13 16:32	13°♂36'19		morning set	14531 Feb 06 16:22	19°♂21'45	
	14528 Jun 27 13:38	0°♂			14531 Feb 15 07:21	0°♂	
	14528 Jul 23 19:21	0°♂			14531 Mar 11 15:01	0°♂	
evening max el	14528 Aug 14 01:02	22°♂32'26	46°43'13	max. Earth dist.	14531 Mar 15 06:08	4°♂28'45	1.73054 AU
	14528 Aug 21 16:54	0°♂					
greatest brilliancy	14528 Sep 22 08:43	22°♂47'50	-4.9m	superior conj	14531 Mar 16 00:17	5°♂24'46	0°13'35
retrograde	14528 Oct 03 08:04	25°♂01'23		minimum elong	14531 Mar 16 03:22	5°♂34'17	0°13'26
desc. node	14528 Oct 03 17:18	25°♂01'13		behind sun begin	14531 Mar 15 14:26	4°♂54'21	
evening set	14528 Oct 18 09:48	20°♂33'56		behind sun end	14531 Mar 16 16:19	6°♂14'13	
min. Earth dist.	14528 Oct 23 12:03	17°♂33'58	0.27513 AU	desc. node	14531 Mar 21 15:06	12°♂20'38	
inferior conj	14528 Oct 24 07:27	17°♂04'14	-5°00'03		14531 Apr 04 22:16	0°♂	
minimum elong	14528 Oct 23 21:33	17°♂19'25	4°56'44	evening rise	14531 Apr 23 06:41	22°♂41'19	
morning rise	14528 Oct 29 09:56	14°♂02'40			14531 Apr 29 04:27	0°♂	
direct	14528 Nov 14 05:53	9°♂16'01			14531 May 23 09:24	0°♂	
greatest brilliancy	14528 Nov 23 16:12	10°♂54'11	-4.8m		14531 Jun 16 14:07	0°♂	
	14528 Dec 22 21:11	0°♂			14531 Jul 10 20:44	0°♂	
morning max el	14529 Jan 02 09:26	9°♂42'40	45°55'30	asc. node	14531 Jul 12 05:07	1°♂39'43	
	14529 Jan 22 05:22	0°♂			14531 Aug 04 08:19	0°♂	
asc. node	14529 Jan 24 19:47	2°♂47'55			14531 Aug 29 05:38	0°♂	
	14529 Feb 18 04:22	0°♂			14531 Sep 23 22:38	0°♂	
	14529 Mar 15 20:50	0°♂			14531 Oct 21 14:14	0°♂	
	14529 Apr 09 21:50	0°♂		evening max el	14531 Oct 25 12:25	3°♂56'12	46°23'12
	14529 May 04 13:30	0°♂		desc. node	14531 Nov 01 02:43	10°♂17'45	
desc. node	14529 May 16 17:17	14°♂55'30			14531 Nov 26 11:34	0°♂	
	14529 May 28 22:26	0°♂		greatest brilliancy	14531 Dec 04 00:14	3°♂30'22	-4.8m
	14529 Jun 22 02:09	0°♂		retrograde	14531 Dec 14 06:59	5°♂26'58	
morning set	14529 Jul 02 18:31	13°♂20'05			14531 Dec 31 05:26	30°♂	
	14529 Jul 16 02:14	0°♂		evening set	14532 Jan 01 16:32	29°♂07'39	

inferior conj	14532 Jan 04 18:43	27° $\text{Z}$ 12'41	-8°38'20	minimum elong	14534 May 26 09:18	15° $\text{II}$ 37'02	1°17'36
minimum elong	14532 Jan 04 23:35	27° $\text{Z}$ 05'03	8°37'01		14534 Jun 06 22:04	0° $\text{G}$	
min. Earth dist.	14532 Jan 04 16:02	27° $\text{Z}$ 16'53	0.28753 AU		14534 Jun 30 22:08	0° $\Omega$	
morning rise	14532 Jan 08 06:41	25° $\text{Z}$ 02'57		evening rise	14534 Jul 05 07:51	5° $\Omega$ 30'40	
direct	14532 Jan 26 01:31	19° $\text{Z}$ 04'21			14534 Jul 24 21:46	0° $\text{np}$	
greatest brilliancy	14532 Feb 05 09:39	21° $\text{Z}$ 00'26	-4.7m	asc. node	14534 Aug 08 18:54	18° $\text{np}$ 35'15	
	14532 Feb 21 11:55	0° $\approx$			14534 Aug 17 22:39	0° $\underline{\text{A}}$	
asc. node	14532 Feb 22 05:17	0° $\approx$ 31'38			14534 Sep 11 02:41	0° $\text{m}$	
morning max el	14532 Mar 15 02:30	19° $\approx$ 32'11	45°45'49		14534 Oct 05 12:38	0° $\text{X}$	
	14532 Mar 25 11:54	0° $\text{H}$			14534 Oct 30 09:27	0° $\text{Z}$	
	14532 Apr 21 22:58	0° $\text{Y}$			14534 Nov 25 02:18	0° $\approx$	
	14532 May 17 18:27	0° $\text{B}$		desc. node	14534 Nov 28 13:07	3° $\approx$ 55'05	
	14532 Jun 11 18:30	0° $\text{II}$			14534 Dec 22 10:58	0° $\text{H}$	
desc. node	14532 Jun 13 05:51	1° $\text{II}$ 47'18		evening max el	14535 Jan 04 18:07	13° $\text{H}$ 23'00	45°59'50
	14532 Jul 06 06:53	0° $\text{G}$			14535 Jan 23 16:03	0° $\text{Y}$	
	14532 Jul 30 12:06	0° $\Omega$		greatest brilliancy	14535 Feb 12 17:42	11° $\text{Y}$ 47'18	-4.8m
	14532 Aug 23 13:33	0° $\text{np}$		retrograde	14535 Feb 22 18:40	13° $\text{Y}$ 37'08	
morning set	14532 Sep 15 00:37	28° $\text{np}$ 04'12		evening set	14535 Mar 09 22:04	9° $\text{Y}$ 08'49	
	14532 Sep 16 13:40	0° $\underline{\text{A}}$		inferior conj	14535 Mar 16 00:42	5° $\text{Y}$ 28'05	-1°22'42
asc. node	14532 Oct 03 22:02	21° $\underline{\text{A}}$ 41'09		minimum elong	14535 Mar 16 03:48	5° $\text{Y}$ 23'13	1°21'43
	14532 Oct 10 13:45	0° $\text{m}$		min. Earth dist.	14535 Mar 16 06:33	5° $\text{Y}$ 18'54	0.28404 AU
				asc. node	14535 Mar 21 14:17	2° $\text{Y}$ 05'42	
superior conj	14532 Oct 24 03:39	16° $\text{m}$ 57'33	0°46'46	morning rise	14535 Mar 22 09:22	1° $\text{Y}$ 39'10	
minimum elong	14532 Oct 23 18:02	16° $\text{m}$ 27'32	0°47'03		14535 Mar 25 16:20	30° $\text{R}$ $\text{H}$	
max. Earth dist.	14532 Oct 25 22:49	19° $\text{m}$ 12'12	1.72030 AU	direct	14535 Apr 06 07:21	27° $\text{H}$ 17'24	
	14532 Nov 03 14:36	0° $\text{X}$		greatest brilliancy	14535 Apr 17 00:01	29° $\text{H}$ 24'40	-4.8m
	14532 Nov 27 17:15	0° $\text{Z}$			14535 Apr 18 11:24	0° $\text{Y}$	
evening rise	14532 Nov 30 19:54	3° $\text{Z}$ 51'33		morning max el	14535 May 26 00:40	28° $\text{Y}$ 53'26	46°20'01
	14532 Dec 21 23:18	0° $\approx$			14535 May 27 03:29	0° $\text{B}$	
	14533 Jan 15 10:23	0° $\text{H}$			14535 Jun 24 04:10	0° $\text{II}$	
desc. node	14533 Jan 23 12:15	9° $\text{H}$ 50'32		desc. node	14535 Jul 11 17:09	20° $\text{II}$ 09'45	
	14533 Feb 09 03:33	0° $\text{Y}$			14535 Jul 20 01:36	0° $\text{G}$	
	14533 Mar 06 03:23	0° $\text{B}$			14535 Aug 14 00:55	0° $\Omega$	
	14533 Mar 31 11:49	0° $\text{II}$			14535 Sep 07 13:31	0° $\text{np}$	
	14533 Apr 26 11:50	0° $\text{G}$			14535 Oct 01 21:09	0° $\underline{\text{A}}$	
asc. node	14533 May 16 07:23	21° $\text{G}$ 51'10			14535 Oct 26 02:37	0° $\text{m}$	
	14533 May 24 01:21	0° $\Omega$		asc. node	14535 Nov 01 12:04	7° $\text{m}$ 55'33	
evening max el	14533 May 30 16:55	6° $\Omega$ 43'49	46°30'02		14535 Nov 19 07:04	0° $\text{X}$	
	14533 Jun 26 17:58	0° $\text{np}$		morning set	14535 Nov 27 01:46	9° $\text{X}$ 39'13	
greatest brilliancy	14533 Jul 10 01:41	6° $\text{np}$ 59'22	-4.9m		14535 Dec 13 11:16	0° $\text{Z}$	
retrograde	14533 Jul 19 16:27	8° $\text{np}$ 43'59					
evening set	14533 Aug 04 22:05	3° $\text{np}$ 36'57		superior conj	14536 Jan 03 07:28	25° $\text{Z}$ 49'57	1°24'39
inferior conj	14533 Aug 09 07:47	0° $\text{np}$ 59'05	6°25'04	minimum elong	14536 Jan 03 11:24	26° $\text{Z}$ 02'08	1°25'36
minimum elong	14533 Aug 09 18:57	0° $\text{np}$ 42'01	6°21'51	max. Earth dist.	14536 Jan 05 11:41	28° $\text{Z}$ 31'33	1.72892 AU
min. Earth dist.	14533 Aug 09 21:57	0° $\text{np}$ 37'25	0.27078 AU		14536 Jan 06 16:16	0° $\approx$	
	14533 Aug 10 22:31	30° $\text{R}$ $\Omega$			14536 Jan 30 23:12	0° $\text{H}$	
morning rise	14533 Aug 14 15:36	27° $\Omega$ 49'28		evening rise	14536 Feb 09 16:34	11° $\text{H}$ 58'31	
direct	14533 Aug 30 01:51	23° $\Omega$ 08'53		desc. node	14536 Feb 21 02:18	25° $\text{H}$ 59'50	
desc. node	14533 Sep 05 10:11	23° $\Omega$ 55'46			14536 Feb 24 08:34	0° $\text{Y}$	
greatest brilliancy	14533 Sep 09 07:18	25° $\Omega$ 06'37	-4.9m		14536 Mar 19 20:00	0° $\text{B}$	
	14533 Sep 19 02:26	0° $\text{np}$			14536 Apr 13 08:59	0° $\text{II}$	
morning max el	14533 Oct 19 07:09	25° $\text{np}$ 21'29	46°39'46		14536 May 08 00:05	0° $\text{G}$	
	14533 Oct 23 22:06	0° $\underline{\text{A}}$			14536 Jun 01 20:11	0° $\Omega$	
	14533 Nov 20 18:38	0° $\text{m}$		asc. node	14536 Jun 12 18:29	13° $\Omega$ 03'12	
	14533 Dec 16 22:21	0° $\text{X}$			14536 Jun 27 03:37	0° $\text{np}$	
asc. node	14533 Dec 27 11:18	12° $\text{X}$ 22'53			14536 Jul 23 12:19	0° $\underline{\text{A}}$	
	14534 Jan 11 07:03	0° $\text{Z}$		evening max el	14536 Aug 11 15:30	20° $\underline{\text{A}}$ 12'43	46°43'24
	14534 Feb 05 04:48	0° $\approx$			14536 Aug 21 19:21	0° $\text{m}$	
	14534 Mar 01 19:58	0° $\text{H}$		greatest brilliancy	14536 Sep 19 23:58	20° $\text{m}$ 29'09	-4.9m
	14534 Mar 26 07:05	0° $\text{Y}$		retrograde	14536 Sep 30 21:56	22° $\text{m}$ 41'22	
morning set	14534 Apr 17 11:48	27° $\text{Y}$ 21'34		desc. node	14536 Oct 02 19:08	22° $\text{m}$ 37'06	
desc. node	14534 Apr 18 05:23	28° $\text{Y}$ 15'51		evening set	14536 Oct 15 21:33	18° $\text{m}$ 17'53	
	14534 Apr 19 15:06	0° $\text{B}$		min. Earth dist.	14536 Oct 21 02:36	15° $\text{m}$ 13'55	0.27458 AU
	14534 May 13 20:02	0° $\text{II}$		inferior conj	14536 Oct 21 21:12	14° $\text{m}$ 45'24	-4°40'47
max. Earth dist.	14534 May 23 17:52	12° $\text{II}$ 19'31	1.72161 AU	minimum elong	14536 Oct 21 11:42	14° $\text{m}$ 59'59	4°37'33
				morning rise	14536 Oct 27 02:28	11° $\text{m}$ 39'46	
superior conj	14534 May 26 18:54	16° $\text{II}$ 06'56	-1°16'51	direct	14536 Nov 11 19:17	6° $\text{m}$ 57'58	

greatest brilliancy	14536 Nov 21 05:55	8° $\mathbb{M}$ 36'09	-4.8m	asc. node	14539 Jul 11 07:03	1° $\mathbb{M}$ 10'24	
	14536 Dec 23 00:35	0° $\mathbb{A}$			14539 Aug 03 20:24	0° $\mathbb{A}$	
morning max el	14536 Dec 30 22:15	7° $\mathbb{A}$ 23'31	45°56'32		14539 Aug 28 18:46	0° $\mathbb{M}$	
	14537 Jan 21 22:05	0° $\mathbb{B}$			14539 Sep 23 13:47	0° $\mathbb{A}$	
asc. node	14537 Jan 23 21:49	2° $\mathbb{B}$ 09'12			14539 Oct 21 10:51	0° $\mathbb{B}$	
	14537 Feb 17 17:55	0° $\approx$		evening max el	14539 Oct 23 02:50	1° $\mathbb{B}$ 39'37	46°24'22
	14537 Mar 15 08:57	0° $\mathbb{H}$		desc. node	14539 Oct 31 04:42	9° $\mathbb{B}$ 24'18	
	14537 Apr 09 09:12	0° $\mathbb{Y}$			14539 Nov 28 11:13	0° $\approx$	
	14537 May 04 00:28	0° $\mathbb{B}$		greatest brilliancy	14539 Dec 01 14:36	1° $\approx$ 17'11	-4.8m
desc. node	14537 May 15 19:08	14° $\mathbb{B}$ 27'49		retrograde	14539 Dec 11 23:00	3° $\approx$ 15'33	
	14537 May 28 09:11	0° $\mathbb{H}$			14539 Dec 24 19:25	30° $\mathbb{R}$ $\mathbb{B}$	
	14537 Jun 21 12:48	0° $\mathbb{B}$		evening set	14539 Dec 30 09:24	26° $\mathbb{B}$ 54'00	
morning set	14537 Jun 30 06:10	10° $\mathbb{B}$ 53'23		inferior conj	14540 Jan 02 10:18	25° $\mathbb{B}$ 01'12	-8°42'54
	14537 Jul 15 12:49	0° $\mathbb{Q}$		minimum elong	14540 Jan 02 14:25	24° $\mathbb{B}$ 54'47	8°41'41
	14537 Aug 08 11:05	0° $\mathbb{M}$		min. Earth dist.	14540 Jan 02 06:27	25° $\mathbb{B}$ 07'12	0.28737 AU
max. Earth dist.	14537 Aug 08 17:23	0° $\mathbb{M}$ 19'46	1.71476 AU	morning rise	14540 Jan 05 19:29	22° $\mathbb{B}$ 55'57	
				direct	14540 Jan 23 16:45	16° $\mathbb{B}$ 53'11	
superior conj	14537 Aug 09 02:00	0° $\mathbb{M}$ 46'44	-1°00'33	greatest brilliancy	14540 Feb 03 00:14	18° $\mathbb{B}$ 48'55	-4.8m
minimum elong	14537 Aug 09 13:40	1° $\mathbb{M}$ 23'19	1°00'43	asc. node	14540 Feb 21 07:10	29° $\mathbb{B}$ 24'26	
	14537 Sep 01 09:18	0° $\mathbb{A}$			14540 Feb 22 01:50	0° $\approx$	
asc. node	14537 Sep 05 09:16	5° $\mathbb{A}$ 00'31		morning max el	14540 Mar 12 18:16	17° $\approx$ 21'12	45°45'19
evening rise	14537 Sep 18 00:30	20° $\mathbb{A}$ 49'17			14540 Mar 25 06:03	0° $\mathbb{H}$	
	14537 Sep 25 08:44	0° $\mathbb{M}$			14540 Apr 21 13:05	0° $\mathbb{Y}$	
	14537 Oct 19 10:39	0° $\mathbb{A}$			14540 May 17 06:57	0° $\mathbb{B}$	
	14537 Nov 12 17:02	0° $\mathbb{B}$			14540 Jun 11 06:11	0° $\mathbb{H}$	
	14537 Dec 07 06:55	0° $\approx$		desc. node	14540 Jun 12 07:50	1° $\mathbb{H}$ 17'53	
desc. node	14537 Dec 26 01:02	22° $\approx$ 31'15			14540 Jul 05 18:06	0° $\mathbb{B}$	
	14538 Jan 01 08:15	0° $\mathbb{H}$			14540 Jul 29 23:03	0° $\mathbb{Q}$	
	14538 Jan 27 02:19	0° $\mathbb{Y}$			14540 Aug 23 00:20	0° $\mathbb{M}$	
	14538 Feb 23 00:15	0° $\mathbb{B}$		morning set	14540 Sep 12 13:32	25° $\mathbb{M}$ 41'15	
evening max el	14538 Mar 16 18:54	22° $\mathbb{B}$ 27'35	46°02'38		14540 Sep 16 00:18	0° $\mathbb{A}$	
	14538 Mar 24 18:41	0° $\mathbb{H}$		asc. node	14540 Oct 02 23:46	21° $\mathbb{A}$ 13'34	
asc. node	14538 Apr 17 23:32	18° $\mathbb{H}$ 19'34			14540 Oct 10 00:18	0° $\mathbb{M}$	
greatest brilliancy	14538 Apr 25 09:01	21° $\mathbb{H}$ 40'50	-4.8m				
retrograde	14538 May 05 03:23	23° $\mathbb{H}$ 27'32		superior conj	14540 Oct 21 17:48	14° $\mathbb{M}$ 39'01	0°43'42
evening set	14538 May 21 19:15	18° $\mathbb{H}$ 06'29		minimum elong	14540 Oct 21 08:33	14° $\mathbb{M}$ 10'10	0°43'56
inferior conj	14538 May 26 02:24	15° $\mathbb{H}$ 28'45	7°56'24	max. Earth dist.	14540 Oct 23 12:20	16° $\mathbb{M}$ 51'46	1.72002 AU
minimum elong	14538 May 25 16:59	15° $\mathbb{H}$ 43'29	7°53'58		14540 Nov 03 01:06	0° $\mathbb{A}$	
min. Earth dist.	14538 May 26 04:00	15° $\mathbb{H}$ 26'14	0.27910 AU		14540 Nov 27 03:46	0° $\mathbb{B}$	
morning rise	14538 May 29 14:33	13° $\mathbb{H}$ 18'35		evening rise	14540 Nov 28 11:37	1° $\mathbb{B}$ 38'48	
direct	14538 Jun 16 02:34	7° $\mathbb{H}$ 23'29			14540 Dec 21 09:54	0° $\approx$	
greatest brilliancy	14538 Jun 26 04:27	9° $\mathbb{H}$ 17'24	-4.9m		14541 Jan 14 21:12	0° $\mathbb{H}$	
	14538 Jul 26 02:40	0° $\mathbb{B}$		desc. node	14541 Jan 22 14:06	9° $\mathbb{H}$ 22'58	
morning max el	14538 Aug 05 11:50	10° $\mathbb{B}$ 00'17	46°55'19		14541 Feb 08 14:45	0° $\mathbb{Y}$	
desc. node	14538 Aug 08 03:04	12° $\mathbb{B}$ 40'31			14541 Mar 05 15:14	0° $\mathbb{B}$	
	14538 Aug 24 09:31	0° $\mathbb{Q}$			14541 Mar 31 00:49	0° $\mathbb{H}$	
	14538 Sep 19 17:43	0° $\mathbb{M}$			14541 Apr 26 03:02	0° $\mathbb{B}$	
	14538 Oct 15 01:39	0° $\mathbb{A}$		asc. node	14541 May 15 09:23	21° $\mathbb{B}$ 07'19	
	14538 Nov 08 22:47	0° $\mathbb{M}$			14541 May 23 21:57	0° $\mathbb{Q}$	
asc. node	14538 Nov 29 01:20	24° $\mathbb{M}$ 28'11		evening max el	14541 May 28 07:11	4° $\mathbb{Q}$ 24'21	46°29'01
	14538 Dec 03 13:57	0° $\mathbb{A}$			14541 Jun 28 00:55	0° $\mathbb{M}$	
	14538 Dec 28 01:08	0° $\mathbb{B}$		greatest brilliancy	14541 Jul 07 14:27	4° $\mathbb{M}$ 35'12	-4.9m
	14539 Jan 21 09:53	0° $\approx$		retrograde	14541 Jul 17 05:44	6° $\mathbb{M}$ 19'49	
morning set	14539 Feb 04 09:28	17° $\approx$ 14'31		evening set	14541 Aug 02 14:26	1° $\mathbb{M}$ 07'33	
	14539 Feb 14 17:41	0° $\mathbb{H}$			14541 Aug 04 12:19	30° $\mathbb{R}$ $\mathbb{Q}$	
	14539 Mar 11 01:21	0° $\mathbb{Y}$		inferior conj	14541 Aug 06 20:31	28° $\mathbb{Q}$ 34'31	6°41'59
max. Earth dist.	14539 Mar 13 00:50	2° $\mathbb{Y}$ 26'30	1.73074 AU	minimum elong	14541 Aug 07 07:42	28° $\mathbb{Q}$ 17'24	6°38'52
				min. Earth dist.	14541 Aug 07 10:42	28° $\mathbb{Q}$ 12'49	0.27104 AU
superior conj	14539 Mar 13 16:05	3° $\mathbb{Y}$ 13'32	0°16'58	morning rise	14541 Aug 12 00:51	25° $\mathbb{Q}$ 29'48	
minimum elong	14539 Mar 13 19:55	3° $\mathbb{Y}$ 25'21	0°16'49	direct	14541 Aug 27 15:29	20° $\mathbb{Q}$ 43'58	
desc. node	14539 Mar 20 16:49	11° $\mathbb{Y}$ 54'01		desc. node	14541 Sep 04 12:03	21° $\mathbb{Q}$ 55'11	
	14539 Apr 04 08:41	0° $\mathbb{B}$		greatest brilliancy	14541 Sep 06 19:35	22° $\mathbb{Q}$ 40'58	-4.9m
evening rise	14539 Apr 20 21:42	20° $\mathbb{B}$ 26'51			14541 Sep 20 07:40	0° $\mathbb{M}$	
	14539 Apr 28 15:00	0° $\mathbb{H}$		morning max el	14541 Oct 16 21:37	23° $\mathbb{M}$ 02'00	46°41'02
	14539 May 22 20:08	0° $\mathbb{B}$			14541 Oct 23 18:52	0° $\mathbb{A}$	
	14539 Jun 16 01:08	0° $\mathbb{Q}$			14541 Nov 20 10:01	0° $\mathbb{M}$	
	14539 Jul 10 08:10	0° $\mathbb{M}$			14541 Dec 16 11:29	0° $\mathbb{A}$	



asc. node	14541 Dec 26 13:11	11°♊51'11			14544 Jul 23 05:55	0°♊	
	14542 Jan 10 19:01	0°♊		evening max el	14544 Aug 09 04:50	17°♊49'10	46°43'18
	14542 Feb 04 16:05	0°♊			14544 Aug 22 00:01	0°♊	
	14542 Mar 01 06:52	0°♊		greatest brilliancy	14544 Sep 17 15:14	18°♊08'32	-4.9m
	14542 Mar 25 17:45	0°♊		retrograde	14544 Sep 28 11:17	20°♊19'20	
morning set	14542 Apr 15 02:38	25°♊06'32		desc. node	14544 Oct 01 21:11	20°♊05'16	
desc. node	14542 Apr 17 07:16	27°♊49'05		evening set	14544 Oct 13 09:10	15°♊59'13	
	14542 Apr 19 01:39	0°♊		min. Earth dist.	14544 Oct 18 17:14	12°♊51'15	0.27409 AU
	14542 May 13 06:35	0°♊		inferior conj	14544 Oct 19 10:41	12°♊24'29	-4°20'47
max. Earth dist.	14542 May 21 06:52	9°♊57'41	1.72200 AU	minimum elong	14544 Oct 19 01:39	12°♊38'21	4°17'37
				morning rise	14544 Oct 24 18:42	9°♊14'54	
superior conj	14542 May 24 08:18	13°♊46'13	-1°15'00	direct	14544 Nov 09 07:56	4°♊37'33	
minimum elong	14542 May 23 22:17	13°♊15'00	1°15'43	greatest brilliancy	14544 Nov 18 19:59	6°♊16'30	-4.8m
	14542 Jun 06 08:42	0°♊			14544 Dec 23 03:00	0°♊	
	14542 Jun 30 08:53	0°♊		morning max el	14544 Dec 28 10:41	5°♊01'54	45°57'47
evening rise	14542 Jul 02 19:47	3°♊04'12			14545 Jan 21 14:53	0°♊	
	14542 Jul 24 08:39	0°♊		asc. node	14545 Jan 22 23:44	1°♊29'24	
asc. node	14542 Aug 07 20:37	18°♊06'20			14545 Feb 17 07:41	0°♊	
	14542 Aug 17 09:43	0°♊			14545 Mar 14 21:20	0°♊	
	14542 Sep 10 14:01	0°♊			14545 Apr 08 20:52	0°♊	
	14542 Oct 05 00:27	0°♊			14545 May 03 11:43	0°♊	
	14542 Oct 29 22:08	0°♊		desc. node	14545 May 14 21:05	13°♊59'33	
	14542 Nov 24 16:39	0°♊			14545 May 27 20:13	0°♊	
desc. node	14542 Nov 27 15:07	3°♊19'22			14545 Jun 20 23:41	0°♊	
	14542 Dec 22 05:23	0°♊		morning set	14545 Jun 27 18:15	8°♊27'16	
evening max el	14543 Jan 02 09:49	11°♊11'37	46°00'17		14545 Jul 14 23:38	0°♊	
	14543 Jan 24 05:44	0°♊		max. Earth dist.	14545 Aug 05 23:59	27°♊36'03	1.71482 AU
greatest brilliancy	14543 Feb 10 09:36	9°♊35'55	-4.8m				
retrograde	14543 Feb 20 09:48	11°♊24'51		superior conj	14545 Aug 06 14:15	28°♊20'46	-1°03'15
evening set	14543 Mar 07 15:12	6°♊54'41		minimum elong	14545 Aug 07 01:58	28°♊57'30	1°03'29
inferior conj	14543 Mar 13 16:18	3°♊15'44	-1°43'36		14545 Aug 07 21:54	0°♊	
minimum elong	14543 Mar 13 20:10	3°♊09'40	1°42'23		14545 Aug 31 20:10	0°♊	
min. Earth dist.	14543 Mar 13 22:30	3°♊06'01	0.28421 AU	asc. node	14545 Sep 04 11:05	4°♊32'13	
	14543 Mar 19 01:01	30°♊		evening rise	14545 Sep 15 13:40	18°♊26'15	
morning rise	14543 Mar 20 00:59	29°♊26'32			14545 Sep 24 19:41	0°♊	
asc. node	14543 Mar 20 16:13	29°♊05'59			14545 Oct 18 21:43	0°♊	
direct	14543 Apr 03 23:17	25°♊05'13			14545 Nov 12 04:20	0°♊	
greatest brilliancy	14543 Apr 14 15:44	27°♊11'57	-4.8m		14545 Dec 06 18:39	0°♊	
	14543 Apr 20 17:16	0°♊		desc. node	14545 Dec 25 02:51	22°♊00'07	
morning max el	14543 May 23 14:57	26°♊36'33	46°18'24		14545 Dec 31 20:47	0°♊	
	14543 May 27 00:20	0°♊			14546 Jan 26 16:19	0°♊	
	14543 Jun 23 19:27	0°♊			14546 Feb 22 17:26	0°♊	
desc. node	14543 Jul 10 19:04	19°♊35'04		evening max el	14546 Mar 14 08:41	20°♊09'04	46°02'07
	14543 Jul 19 14:52	0°♊			14546 Mar 24 22:17	0°♊	
	14543 Aug 13 13:12	0°♊		asc. node	14546 Apr 17 01:37	16°♊48'27	
	14543 Sep 07 01:13	0°♊		greatest brilliancy	14546 Apr 22 22:23	19°♊21'15	-4.8m
	14543 Oct 01 08:27	0°♊		retrograde	14546 May 02 17:40	21°♊08'58	
	14543 Oct 25 13:38	0°♊		evening set	14546 May 19 05:30	15°♊53'05	
asc. node	14543 Oct 31 14:02	7°♊27'43		inferior conj	14546 May 23 16:46	13°♊09'34	7°44'45
	14543 Nov 18 17:52	0°♊		minimum elong	14546 May 23 06:56	13°♊24'55	7°42'10
morning set	14543 Nov 24 16:57	7°♊24'03		min. Earth dist.	14546 May 23 17:55	13°♊07'46	0.27927 AU
	14543 Dec 12 21:56	0°♊		morning rise	14546 May 27 08:13	10°♊54'38	
				direct	14546 Jun 13 16:53	5°♊03'48	
superior conj	14543 Dec 31 23:55	23°♊39'25	1°25'16	greatest brilliancy	14546 Jun 23 19:27	6°♊58'33	-4.9m
minimum elong	14544 Jan 01 03:08	23°♊49'22	1°26'15		14546 Jul 26 05:19	0°♊	
max. Earth dist.	14544 Jan 03 04:43	26°♊22'51	1.72866 AU	morning max el	14546 Aug 03 02:26	7°♊40'27	46°54'58
	14544 Jan 06 02:54	0°♊		desc. node	14546 Aug 07 04:56	11°♊51'10	
	14544 Jan 30 09:52	0°♊			14546 Aug 24 02:42	0°♊	
evening rise	14544 Feb 07 08:27	9°♊46'43			14546 Sep 19 07:57	0°♊	
desc. node	14544 Feb 20 04:04	25°♊32'08			14546 Oct 14 14:29	0°♊	
	14544 Feb 23 19:22	0°♊			14546 Nov 08 10:49	0°♊	
	14544 Mar 19 07:02	0°♊		asc. node	14546 Nov 28 03:10	23°♊58'30	
	14544 Apr 12 20:21	0°♊			14546 Dec 03 01:26	0°♊	
	14544 May 07 11:59	0°♊			14546 Dec 27 12:16	0°♊	
	14544 Jun 01 08:56	0°♊			14547 Jan 20 20:47	0°♊	
asc. node	14544 Jun 11 20:26	12°♊29'26		morning set	14547 Feb 02 02:16	15°♊04'49	
	14544 Jun 26 17:55	0°♊			14547 Feb 14 04:29	0°♊	

	14547 Mar 10 12:09	0°♿		inferior conj	14549 Aug 04 09:21	26°♌09'16	6°58'14
				minimum elong	14549 Aug 04 20:26	25°♌52'15	6°55'13
superior conj	14547 Mar 11 07:38	1°♿00'06	0°20'20	min. Earth dist.	14549 Aug 04 23:40	25°♌47'19	0.27128 AU
minimum elong	14547 Mar 11 12:11	1°♿14'10	0°20'12	morning rise	14549 Aug 09 09:52	23°♌09'33	
max. Earth dist.	14547 Mar 10 21:13	0°♿28'00	1.73089 AU	direct	14549 Aug 25 04:54	18°♌18'28	
desc. node	14547 Mar 19 18:40	11°♿26'25		desc. node	14549 Sep 03 14:08	19°♌58'45	
	14547 Apr 03 19:33	0°♿		greatest brilliancy	14549 Sep 04 08:04	20°♌14'37	-4.9m
evening rise	14547 Apr 18 12:41	18°♿10'59			14549 Sep 21 05:16	0°♍	
	14547 Apr 28 01:59	0°♿		morning max el	14549 Oct 14 11:17	20°♍39'46	46°42'24
	14547 May 22 07:19	0°♿			14549 Oct 23 15:10	0°♍	
	14547 Jun 15 12:35	0°♿			14549 Nov 20 01:19	0°♍	
	14547 Jul 09 20:01	0°♍			14549 Dec 16 00:41	0°♍	
asc. node	14547 Jul 10 08:49	0°♍39'21		asc. node	14549 Dec 25 15:03	11°♍19'10	
	14547 Aug 03 08:50	0°♍			14550 Jan 10 07:06	0°♍	
	14547 Aug 28 08:16	0°♍			14550 Feb 04 03:34	0°♍	
	14547 Sep 23 05:29	0°♍			14550 Feb 28 17:59	0°♍	
evening max el	14547 Oct 20 18:02	29°♍23'56	46°25'18		14550 Mar 25 04:41	0°♍	
	14547 Oct 21 08:38	0°♍		morning set	14550 Apr 12 17:14	22°♍49'58	
desc. node	14547 Oct 30 06:42	8°♍28'38		desc. node	14550 Apr 16 09:10	27°♍21'28	
greatest brilliancy	14547 Nov 29 04:30	29°♍01'56	-4.8m		14550 Apr 18 12:29	0°♍	
	14547 Dec 02 05:13	0°♍			14550 May 12 17:25	0°♍	
retrograde	14547 Dec 09 15:07	1°♍02'10		max. Earth dist.	14550 May 18 18:09	7°♍29'47	1.72237 AU
	14547 Dec 16 19:04	30°♍					
evening set	14547 Dec 28 01:47	24°♍38'54		superior conj	14550 May 21 21:31	11°♍24'15	-1°13'02
inferior conj	14547 Dec 31 01:43	22°♍47'42	-8°46'44	minimum elong	14550 May 21 11:08	10°♍51'55	1°13'41
minimum elong	14547 Dec 31 05:03	22°♍42'30	8°45'34		14550 Jun 05 19:34	0°♍	
min. Earth dist.	14547 Dec 30 20:26	22°♍55'55	0.28724 AU		14550 Jun 29 19:51	0°♍	
morning rise	14548 Jan 03 08:23	20°♍46'30		evening rise	14550 Jun 30 07:34	0°♍36'39	
direct	14548 Jan 21 08:23	14°♍40'06			14550 Jul 23 19:44	0°♍	
greatest brilliancy	14548 Jan 31 14:11	16°♍34'49	-4.8m	asc. node	14550 Aug 06 22:29	17°♍37'17	
asc. node	14548 Feb 20 09:08	28°♍17'28			14550 Aug 16 20:59	0°♍	
	14548 Feb 22 12:55	0°♍			14550 Sep 10 01:35	0°♍	
morning max el	14548 Mar 10 10:15	15°♍09'14	45°44'50		14550 Oct 04 12:28	0°♍	
	14548 Mar 25 00:20	0°♍			14550 Oct 29 10:59	0°♍	
	14548 Apr 21 03:32	0°♍			14550 Nov 24 07:13	0°♍	
	14548 May 16 19:48	0°♍		desc. node	14550 Nov 26 17:01	2°♍42'55	
	14548 Jun 10 18:13	0°♍			14550 Dec 22 00:21	0°♍	
desc. node	14548 Jun 11 09:38	0°♍46'52		evening max el	14550 Dec 31 00:31	8°♍57'40	46°00'40
	14548 Jul 05 05:40	0°♍			14551 Jan 25 00:13	0°♍	
	14548 Jul 29 10:20	0°♍		greatest brilliancy	14551 Feb 08 01:47	7°♍24'36	-4.8m
	14548 Aug 22 11:25	0°♍		retrograde	14551 Feb 18 00:35	9°♍12'26	
morning set	14548 Sep 10 02:50	23°♍18'28		evening set	14551 Mar 05 08:26	4°♍39'57	
	14548 Sep 15 11:15	0°♍		inferior conj	14551 Mar 11 07:57	1°♍03'11	-2°04'22
asc. node	14548 Oct 02 01:42	20°♍45'43		minimum elong	14551 Mar 11 12:32	0°♍55'58	2°02'54
	14548 Oct 09 11:07	0°♍		min. Earth dist.	14551 Mar 11 14:47	0°♍52'27	0.28445 AU
					14551 Mar 13 00:15	30°♍	
superior conj	14548 Oct 19 08:13	12°♍20'27	0°40'33	morning rise	14551 Mar 17 16:25	27°♍13'51	
minimum elong	14548 Oct 18 23:24	11°♍52'57	0°40'46	asc. node	14551 Mar 19 18:20	26°♍08'51	
max. Earth dist.	14548 Oct 21 04:28	14°♍38'36	1.71973 AU	direct	14551 Apr 01 14:43	22°♍52'30	
	14548 Nov 02 11:52	0°♍		greatest brilliancy	14551 Apr 12 08:08	24°♍59'28	-4.8m
evening rise	14548 Nov 26 03:34	29°♍25'53			14551 Apr 22 04:27	0°♍	
	14548 Nov 26 14:34	0°♍		morning max el	14551 May 21 04:53	24°♍18'03	46°16'50
	14548 Dec 20 20:51	0°♍			14551 May 26 20:46	0°♍	
	14549 Jan 14 08:25	0°♍			14551 Jun 23 10:43	0°♍	
desc. node	14549 Jan 21 15:52	8°♍53'56		desc. node	14551 Jul 09 20:59	19°♍00'07	
	14549 Feb 08 02:23	0°♍			14551 Jul 19 04:10	0°♍	
	14549 Mar 05 03:34	0°♍			14551 Aug 13 01:31	0°♍	
	14549 Mar 30 14:20	0°♍			14551 Sep 06 12:55	0°♍	
	14549 Apr 25 18:53	0°♍			14551 Sep 30 19:46	0°♍	
asc. node	14549 May 14 11:19	20°♍21'40			14551 Oct 25 00:39	0°♍	
	14549 May 23 19:45	0°♍		asc. node	14551 Oct 30 15:49	6°♍59'15	
evening max el	14549 May 25 21:23	2°♍03'41	46°28'01		14551 Nov 18 04:41	0°♍	
	14549 Jun 29 23:26	0°♍		morning set	14551 Nov 22 08:15	5°♍09'09	
greatest brilliancy	14549 Jul 05 03:48	2°♍10'55	-4.9m		14551 Dec 12 08:36	0°♍	
retrograde	14549 Jul 14 18:44	3°♍54'43					
	14549 Jul 28 19:21	30°♍		superior conj	14551 Dec 29 16:43	21°♍30'05	1°25'45
evening set	14549 Jul 31 06:55	28°♍37'28		minimum elong	14551 Dec 29 19:11	21°♍37'42	1°26'44

max. Earth dist.	14551 Dec 31 20:36	24° $\text{Z}$ 10'41	1.72837 AU	morning max el	14554 Jul 31 18:01	5° $\text{Z}$ 23'52	46°54'18
	14552 Jan 05 13:28	0° $\approx$		desc. node	14554 Aug 06 07:01	11° $\text{Z}$ 03'41	
	14552 Jan 29 20:28	0° $\text{X}$			14554 Aug 23 19:23	0° $\Omega$	
evening rise	14552 Feb 05 00:43	7° $\text{X}$ 36'22			14554 Sep 18 21:53	0° $\text{M}$	
desc. node	14552 Feb 19 06:00	25° $\text{X}$ 05'06			14554 Oct 14 03:03	0° $\Omega$	
	14552 Feb 23 06:07	0° $\text{Y}$			14554 Nov 07 22:33	0° $\text{M}$	
	14552 Mar 18 18:04	0° $\text{Z}$		asc. node	14554 Nov 27 04:58	23° $\text{M}$ 29'36	
	14552 Apr 12 07:47	0° $\text{II}$			14554 Dec 02 12:36	0° $\text{X}$	
	14552 May 06 23:59	0° $\text{Z}$			14554 Dec 26 23:03	0° $\text{Z}$	
	14552 May 31 21:50	0° $\Omega$			14555 Jan 20 07:21	0° $\approx$	
asc. node	14552 Jun 10 22:14	11° $\Omega$ 54'54		morning set	14555 Jan 30 19:19	12° $\approx$ 56'58	
	14552 Jun 26 08:26	0° $\text{M}$			14555 Feb 13 14:56	0° $\text{X}$	
	14552 Jul 22 23:58	0° $\Omega$					
evening max el	14552 Aug 06 17:31	15° $\Omega$ 24'06	46°43'24	superior conj	14555 Mar 08 23:35	28° $\text{X}$ 49'06	0°23'39
	14552 Aug 22 06:44	0° $\text{M}$		minimum elong	14555 Mar 09 04:50	29° $\text{X}$ 05'17	0°23'31
greatest brilliancy	14552 Sep 15 06:15	15° $\text{M}$ 47'45	-4.9m	max. Earth dist.	14555 Mar 08 18:30	28° $\text{X}$ 33'25	1.73097 AU
retrograde	14552 Sep 26 00:51	17° $\text{M}$ 57'43			14555 Mar 09 22:34	0° $\text{Y}$	
desc. node	14552 Sep 30 23:14	17° $\text{M}$ 28'10		desc. node	14555 Mar 18 20:33	11° $\text{Y}$ 00'04	
evening set	14552 Oct 10 20:59	13° $\text{M}$ 40'14			14555 Apr 03 06:01	0° $\text{Z}$	
min. Earth dist.	14552 Oct 16 07:54	10° $\text{M}$ 28'43	0.27362 AU	evening rise	14555 Apr 16 04:06	15° $\text{Z}$ 57'47	
inferior conj	14552 Oct 17 00:11	10° $\text{M}$ 03'46	-4°00'11		14555 Apr 27 12:34	0° $\text{II}$	
minimum elong	14552 Oct 16 15:41	10° $\text{M}$ 16'48	3°57'08		14555 May 21 18:06	0° $\text{Z}$	
morning rise	14552 Oct 22 10:52	6° $\text{M}$ 50'33			14555 Jun 14 23:41	0° $\Omega$	
direct	14552 Nov 06 20:21	2° $\text{M}$ 17'06		asc. node	14555 Jul 09 10:44	0° $\text{M}$ 09'40	
greatest brilliancy	14552 Nov 16 10:15	3° $\text{M}$ 57'21	-4.8m		14555 Jul 09 07:35	0° $\text{M}$	
	14552 Dec 23 03:50	0° $\text{X}$			14555 Aug 02 21:06	0° $\Omega$	
morning max el	14552 Dec 26 00:04	2° $\text{X}$ 43'01	45°59'13		14555 Aug 27 21:40	0° $\text{M}$	
	14553 Jan 21 07:09	0° $\text{Z}$			14555 Sep 22 21:12	0° $\text{X}$	
asc. node	14553 Jan 22 01:40	0° $\text{Z}$ 50'42		evening max el	14555 Oct 18 09:53	27° $\text{X}$ 10'25	46°26'22
	14553 Feb 16 21:06	0° $\approx$			14555 Oct 21 07:02	0° $\text{Z}$	
	14553 Mar 14 09:25	0° $\text{X}$		desc. node	14555 Oct 29 08:37	7° $\text{Z}$ 32'18	
	14553 Apr 08 08:16	0° $\text{Y}$		greatest brilliancy	14555 Nov 26 18:40	26° $\text{Z}$ 47'49	-4.8m
	14553 May 02 22:47	0° $\text{Z}$		retrograde	14555 Dec 07 07:10	28° $\text{Z}$ 49'20	
desc. node	14553 May 13 22:51	13° $\text{Z}$ 31'16		evening set	14555 Dec 25 17:52	22° $\text{Z}$ 25'07	
	14553 May 27 07:07	0° $\text{II}$		inferior conj	14555 Dec 28 17:03	20° $\text{Z}$ 34'59	-8°49'52
	14553 Jun 20 10:29	0° $\text{Z}$		minimum elong	14555 Dec 28 19:36	20° $\text{Z}$ 31'01	8°48'46
morning set	14553 Jun 25 06:02	6° $\text{Z}$ 00'29		min. Earth dist.	14555 Dec 28 10:16	20° $\text{Z}$ 45'34	0.28701 AU
	14553 Jul 14 10:23	0° $\Omega$		morning rise	14555 Dec 31 21:27	18° $\text{Z}$ 37'20	
max. Earth dist.	14553 Aug 03 08:02	24° $\Omega$ 57'07	1.71488 AU	direct	14556 Jan 19 00:07	12° $\text{Z}$ 28'07	
				greatest brilliancy	14556 Jan 29 03:25	14° $\text{Z}$ 20'56	-4.8m
superior conj	14553 Aug 04 02:05	25° $\Omega$ 53'43	-1°05'53	asc. node	14556 Feb 19 11:14	27° $\text{Z}$ 13'43	
minimum elong	14553 Aug 04 13:45	26° $\Omega$ 30'18	1°06'09		14556 Feb 22 20:29	0° $\approx$	
	14553 Aug 07 08:38	0° $\text{M}$		morning max el	14556 Mar 08 01:59	12° $\approx$ 57'59	45°44'28
	14553 Aug 31 06:54	0° $\Omega$			14556 Mar 24 17:41	0° $\text{X}$	
asc. node	14553 Sep 03 12:57	4° $\Omega$ 04'28			14556 Apr 20 17:20	0° $\text{Y}$	
evening rise	14553 Sep 13 02:31	16° $\Omega$ 02'43			14556 May 16 08:04	0° $\text{Z}$	
	14553 Sep 24 06:28	0° $\text{M}$		desc. node	14556 Jun 10 11:33	0° $\text{II}$ 17'45	
	14553 Oct 18 08:37	0° $\text{X}$			14556 Jun 10 05:42	0° $\text{II}$	
	14553 Nov 11 15:28	0° $\text{Z}$			14556 Jul 04 16:44	0° $\text{Z}$	
	14553 Dec 06 06:13	0° $\approx$			14556 Jul 28 21:11	0° $\Omega$	
desc. node	14553 Dec 24 04:43	21° $\approx$ 29'46			14556 Aug 21 22:08	0° $\text{M}$	
	14553 Dec 31 09:07	0° $\text{X}$		morning set	14556 Sep 07 15:50	20° $\text{M}$ 55'50	
	14554 Jan 26 06:08	0° $\text{Y}$			14556 Sep 14 21:51	0° $\Omega$	
	14554 Feb 22 10:34	0° $\text{Z}$		asc. node	14556 Oct 01 03:29	20° $\Omega$ 18'19	
evening max el	14554 Mar 11 23:30	17° $\text{Z}$ 54'29	46°01'38		14556 Oct 08 21:39	0° $\text{M}$	
	14554 Mar 25 03:09	0° $\text{II}$					
asc. node	14554 Apr 16 03:29	15° $\text{II}$ 15'17		superior conj	14556 Oct 16 22:06	10° $\text{M}$ 01'05	0°37'17
greatest brilliancy	14554 Apr 20 11:21	17° $\text{II}$ 02'50	-4.8m	minimum elong	14556 Oct 16 13:48	9° $\text{M}$ 35'12	0°37'29
retrograde	14554 Apr 30 08:27	18° $\text{II}$ 51'56		max. Earth dist.	14556 Oct 18 19:24	12° $\text{M}$ 22'32	1.71943 AU
evening set	14554 May 16 16:01	13° $\text{II}$ 41'04			14556 Nov 01 22:21	0° $\text{X}$	
inferior conj	14554 May 21 07:17	10° $\text{II}$ 51'46	7°32'20	evening rise	14556 Nov 23 19:01	27° $\text{X}$ 12'14	
minimum elong	14554 May 20 21:08	11° $\text{II}$ 07'36	7°29'36		14556 Nov 26 01:04	0° $\text{Z}$	
min. Earth dist.	14554 May 21 07:43	10° $\text{II}$ 51'05	0.27949 AU		14556 Dec 20 07:28	0° $\approx$	
morning rise	14554 May 25 02:06	8° $\text{II}$ 32'00			14557 Jan 13 19:16	0° $\text{X}$	
direct	14554 Jun 11 07:54	2° $\text{II}$ 45'39		desc. node	14557 Jan 20 17:50	8° $\text{X}$ 26'36	
greatest brilliancy	14554 Jun 21 10:11	4° $\text{II}$ 40'33	-4.9m		14557 Feb 07 13:39	0° $\text{Y}$	
	14554 Jul 26 06:18	0° $\text{Z}$			14557 Mar 04 15:33	0° $\text{Z}$	

	14557 Mar 30 03:32	0°♈			14559 Sep 06 00:14	0°♎		
	14557 Apr 25 10:28	0°♉			14559 Sep 30 06:42	0°♏		
asc. node	14557 May 13 13:15	19°♊36'58			14559 Oct 24 11:21	0°♐		
evening max el	14557 May 23 11:10	29°♊43'44	46°27'03	asc. node	14559 Oct 29 17:35	6°♐31'43		
	14557 May 23 17:45	0°♋			14559 Nov 17 15:14	0°♑		
greatest brilliancy	14557 Jul 02 17:47	29°♋49'35	-4.9m	morning set	14559 Nov 19 23:29	2°♑54'44		
	14557 Jul 03 06:13	0°♌			14559 Dec 11 19:03	0°♒		
retrograde	14557 Jul 12 07:26	1°♌32'03						
	14557 Jul 21 00:06	30°♌♌		superior conj	14559 Dec 27 09:18	19°♓20'30	1°26'06	
evening set	14557 Jul 28 23:37	26°♌09'53		minimum elong	14559 Dec 27 10:59	19°♓25'43	1°27'06	
inferior conj	14557 Aug 01 22:29	23°♌46'33	7°13'27	max. Earth dist.	14559 Dec 29 10:50	21°♓53'55	1.72815 AU	
minimum elong	14557 Aug 02 09:24	23°♌29'45	7°10'33		14560 Jan 04 23:54	0°♈		
min. Earth dist.	14557 Aug 02 13:07	23°♌24'01	0.27156 AU		14560 Jan 29 06:56	0°♉		
morning rise	14557 Aug 06 19:03	20°♌51'53		evening rise	14560 Feb 02 16:39	5°♉25'24		
direct	14557 Aug 22 18:06	15°♌55'17		desc. node	14560 Feb 18 07:47	24°♉38'04		
greatest brilliancy	14557 Sep 01 21:19	17°♌51'01	-4.9m		14560 Feb 22 16:44	0°♊		
desc. node	14557 Sep 02 16:08	18°♌08'46			14560 Mar 18 04:57	0°♋		
	14557 Sep 21 20:36	0°♌			14560 Apr 11 19:03	0°♌		
morning max el	14557 Oct 12 00:22	18°♌17'01	46°43'28		14560 May 06 11:50	0°♍		
	14557 Oct 23 10:27	0°♎			14560 May 31 10:38	0°♎		
	14557 Nov 19 16:08	0°♏		asc. node	14560 Jun 10 00:12	11°♎21'13		
	14557 Dec 15 13:31	0°♑			14560 Jun 25 22:56	0°♏		
asc. node	14557 Dec 24 17:03	10°♑48'23			14560 Jul 22 18:15	0°♏		
	14558 Jan 09 18:53	0°♒		evening max el	14560 Aug 04 06:48	13°♏01'16	46°43'34	
	14558 Feb 03 14:42	0°♓			14560 Aug 22 15:38	0°♐		
	14558 Feb 28 04:45	0°♈		greatest brilliancy	14560 Sep 12 20:46	13°♐27'07	-4.9m	
	14558 Mar 24 15:13	0°♉		retrograde	14560 Sep 23 14:52	15°♐37'02		
morning set	14558 Apr 10 07:58	20°♉34'54		desc. node	14560 Sep 30 01:05	14°♐46'38		
desc. node	14558 Apr 15 10:52	26°♉54'23		evening set	14560 Oct 08 09:03	11°♐21'35		
	14558 Apr 17 22:57	0°♊		min. Earth dist.	14560 Oct 13 22:20	8°♐07'13	0.27318 AU	
	14558 May 12 03:52	0°♋		inferior conj	14560 Oct 14 13:42	7°♐43'45	-3°39'04	
max. Earth dist.	14558 May 16 05:31	5°♋03'25	1.72275 AU	minimum elong	14560 Oct 14 05:48	7°♐55'50	3°36'12	
				morning rise	14560 Oct 20 02:58	4°♐27'17		
superior conj	14558 May 19 11:04	9°♋04'32	-1°10'56		14560 Nov 02 20:24	30°♐♌		
minimum elong	14558 May 19 00:21	8°♋31'15	1°11'33	direct	14560 Nov 04 09:10	29°♏57'14		
	14558 Jun 05 06:04	0°♌			14560 Nov 05 22:14	0°♐		
evening rise	14558 Jun 27 19:48	28°♌11'47		greatest brilliancy	14560 Nov 14 00:15	1°♐38'41	-4.8m	
	14558 Jun 29 06:25	0°♍			14560 Dec 23 03:15	0°♑		
	14558 Jul 23 06:24	0°♎		morning max el	14560 Dec 23 14:23	0°♑26'50	46°00'29	
asc. node	14558 Aug 06 00:23	17°♎09'34			14561 Jan 20 23:01	0°♒		
	14558 Aug 16 07:51	0°♏		asc. node	14561 Jan 21 03:41	0°♒12'49		
	14558 Sep 09 12:46	0°♐			14561 Feb 16 10:22	0°♓		
	14558 Oct 04 00:12	0°♑			14561 Mar 13 21:29	0°♈		
	14558 Oct 28 23:39	0°♒			14561 Apr 07 19:41	0°♉		
	14558 Nov 23 21:45	0°♓			14561 May 02 09:50	0°♊		
desc. node	14558 Nov 25 18:54	2°♓06'49		desc. node	14561 May 13 00:43	13°♓03'27		
	14558 Dec 21 19:39	0°♈			14561 May 26 17:57	0°♋		
evening max el	14558 Dec 28 14:38	6°♈42'49	46°01'11		14561 Jun 19 21:13	0°♌		
	14559 Jan 26 01:07	0°♉		morning set	14561 Jun 22 17:46	3°♌33'49		
greatest brilliancy	14559 Feb 05 17:53	5°♉13'45	-4.8m		14561 Jul 13 21:04	0°♍		
retrograde	14559 Feb 15 15:24	7°♉00'54		max. Earth dist.	14561 Jul 31 18:30	22°♍25'52	1.71495 AU	
evening set	14559 Mar 03 01:46	2°♉25'35						
	14559 Mar 07 03:49	30°♉♈		superior conj	14561 Aug 01 13:55	23°♍26'46	-1°08'22	
inferior conj	14559 Mar 08 23:35	28°♉51'28	-2°24'55	minimum elong	14561 Aug 02 01:27	24°♍02'54	1°08'42	
minimum elong	14559 Mar 09 04:53	28°♉43'08	2°23'12		14561 Aug 06 19:19	0°♎		
min. Earth dist.	14559 Mar 09 07:09	28°♉39'34	0.28466 AU		14561 Aug 30 17:37	0°♏		
morning rise	14559 Mar 15 07:40	25°♉02'24		asc. node	14561 Sep 02 14:42	3°♏36'20		
asc. node	14559 Mar 18 20:13	23°♉16'33		evening rise	14561 Sep 10 15:28	13°♏39'34		
direct	14559 Mar 30 05:52	20°♉40'28			14561 Sep 23 17:14	0°♐		
greatest brilliancy	14559 Apr 10 00:52	22°♉48'23	-4.8m		14561 Oct 17 19:29	0°♑		
	14559 Apr 23 04:47	0°♊			14561 Nov 11 02:34	0°♒		
morning max el	14559 May 18 19:12	22°♊01'33	46°15'22		14561 Dec 05 17:47	0°♓		
	14559 May 26 16:10	0°♋		desc. node	14561 Dec 23 06:41	20°♓59'35		
	14559 Jun 23 01:26	0°♌			14561 Dec 30 21:33	0°♈		
desc. node	14559 Jul 08 22:57	18°♌26'36			14562 Jan 25 20:13	0°♉		
	14559 Jul 18 17:01	0°♍			14562 Feb 22 04:18	0°♊		
	14559 Aug 12 13:24	0°♎		evening max el	14562 Mar 09 15:10	15°♊41'30	46°01'06	

	14562 Mar 25 10:33	0°♂		superior conj	14564 Oct 14 11:58	7°♂40'36	0°33'57
asc. node	14562 Apr 15 05:27	13°♂38'02		minimum elong	14564 Oct 14 04:15	7°♂16'31	0°34'08
greatest brilliancy	14562 Apr 18 00:22	14°♂43'48	-4.8m	max. Earth dist.	14564 Oct 16 09:31	10°♂02'50	1.71913 AU
retrograde	14562 Apr 27 23:10	16°♂33'52			14564 Nov 01 09:11	0°♂	
evening set	14562 May 14 02:35	11°♂28'16		evening rise	14564 Nov 21 10:30	24°♂57'32	
inferior conj	14562 May 18 21:40	8°♂33'12	7°19'06		14564 Nov 25 11:57	0°♂	
minimum elong	14562 May 18 11:17	8°♂49'25	7°16'15		14564 Dec 19 18:28	0°♂	
min. Earth dist.	14562 May 18 21:22	8°♂33'41	0.27964 AU		14565 Jan 13 06:30	0°♂	
morning rise	14562 May 22 19:53	6°♂08'26		desc. node	14565 Jan 19 19:38	7°♂57'40	
direct	14562 Jun 08 23:04	2°♂27'01			14565 Feb 07 01:19	0°♂	
greatest brilliancy	14562 Jun 19 00:24	0°♂21'24	-4.9m		14565 Mar 04 03:57	0°♂	
	14562 Jul 26 06:13	0°♂			14565 Mar 29 17:17	0°♂	
morning max el	14562 Jul 29 09:18	3°♂06'16	46°53'32		14565 Apr 25 02:52	0°♂	
desc. node	14562 Aug 05 09:00	10°♂16'29		asc. node	14565 May 12 15:14	18°♂50'09	
	14562 Aug 23 11:50	0°♂		evening max el	14565 May 20 23:54	27°♂19'24	46°25'54
	14562 Sep 18 11:46	0°♂			14565 May 23 17:27	0°♂	
	14562 Oct 13 15:39	0°♂		greatest brilliancy	14565 Jun 30 07:56	27°♂26'09	-4.9m
	14562 Nov 07 10:21	0°♂		retrograde	14565 Jul 09 19:34	29°♂07'08	
asc. node	14562 Nov 26 06:58	23°♂00'59		evening set	14565 Jul 26 16:07	23°♂39'47	
	14562 Dec 01 23:52	0°♂		inferior conj	14565 Jul 30 11:25	21°♂21'36	7°27'51
	14562 Dec 26 09:57	0°♂		minimum elong	14565 Jul 30 22:04	21°♂05'10	7°25'06
	14563 Jan 19 18:03	0°♂		min. Earth dist.	14565 Jul 31 02:41	20°♂58'03	0.27184 AU
morning set	14563 Jan 28 12:27	10°♂48'54		morning rise	14565 Aug 04 03:51	18°♂32'21	
	14563 Feb 13 01:34	0°♂		direct	14565 Aug 20 06:41	13°♂29'36	
				greatest brilliancy	14565 Aug 30 10:56	15°♂25'51	-4.9m
superior conj	14563 Mar 06 15:27	26°♂37'11	0°26'56	desc. node	14565 Sep 01 18:01	16°♂20'55	
minimum elong	14563 Mar 06 21:21	26°♂55'20	0°26'48		14565 Sep 22 08:47	0°♂	
max. Earth dist.	14563 Mar 06 14:46	26°♂35'03	1.73108 AU	morning max el	14565 Oct 09 12:59	15°♂51'30	46°44'44
	14563 Mar 09 09:13	0°♂			14565 Oct 23 05:41	0°♂	
desc. node	14563 Mar 17 22:16	10°♂32'27			14565 Nov 19 07:09	0°♂	
	14563 Apr 02 16:45	0°♂			14565 Dec 15 02:40	0°♂	
evening rise	14563 Apr 13 19:11	13°♂42'41		asc. node	14565 Dec 23 18:55	10°♂16'14	
	14563 Apr 26 23:27	0°♂			14566 Jan 09 07:00	0°♂	
	14563 May 21 05:11	0°♂			14566 Feb 03 02:13	0°♂	
	14563 Jun 14 11:05	0°♂			14566 Feb 27 15:53	0°♂	
asc. node	14563 Jul 08 12:38	29°♂39'06			14566 Mar 24 02:09	0°♂	
	14563 Jul 08 19:27	0°♂		morning set	14566 Apr 07 22:56	18°♂19'23	
	14563 Aug 02 09:39	0°♂		desc. node	14566 Apr 14 12:46	26°♂26'43	
	14563 Aug 27 11:26	0°♂			14566 Apr 17 09:47	0°♂	
	14563 Sep 22 13:29	0°♂			14566 May 11 14:44	0°♂	
evening max el	14563 Oct 16 01:45	24°♂55'58	46°27'20	max. Earth dist.	14566 May 13 19:12	2°♂43'01	1.72318 AU
	14563 Oct 21 06:47	0°♂					
desc. node	14563 Oct 28 10:37	6°♂34'10		superior conj	14566 May 17 00:39	6°♂43'43	-1°08'43
greatest brilliancy	14563 Nov 24 09:30	24°♂33'34	-4.8m	minimum elong	14566 May 16 13:43	6°♂09'46	1°09'17
retrograde	14563 Dec 04 22:55	26°♂35'30			14566 Jun 04 17:01	0°♂	
evening set	14563 Dec 23 09:33	20°♂11'21		evening rise	14566 Jun 25 07:55	25°♂45'11	
inferior conj	14563 Dec 26 08:24	18°♂21'33	-8°52'07		14566 Jun 28 17:28	0°♂	
minimum elong	14563 Dec 26 10:07	18°♂18'52	8°51'04		14566 Jul 22 17:36	0°♂	
min. Earth dist.	14563 Dec 26 00:21	18°♂34'08	0.28675 AU	asc. node	14566 Aug 05 02:06	16°♂39'38	
morning rise	14563 Dec 29 10:49	16°♂26'48			14566 Aug 15 19:15	0°♂	
direct	14564 Jan 16 15:40	10°♂15'33			14566 Sep 09 00:30	0°♂	
greatest brilliancy	14564 Jan 26 16:37	12°♂06'14	-4.8m		14566 Oct 03 12:27	0°♂	
asc. node	14564 Feb 18 13:06	26°♂10'30			14566 Oct 28 12:51	0°♂	
	14564 Feb 23 02:04	0°♂			14566 Nov 23 12:54	0°♂	
morning max el	14564 Mar 05 16:50	10°♂43'45	45°44'01	desc. node	14566 Nov 24 20:55	1°♂29'31	
	14564 Mar 24 10:57	0°♂			14566 Dec 21 16:03	0°♂	
	14564 Apr 20 07:21	0°♂		evening max el	14566 Dec 26 04:42	4°♂26'42	46°01'49
	14564 May 15 20:41	0°♂			14567 Jan 27 13:19	0°♂	
desc. node	14564 Jun 09 13:30	29°♂47'32		greatest brilliancy	14567 Feb 03 09:28	3°♂01'16	-4.8m
	14564 Jun 09 17:36	0°♂		retrograde	14567 Feb 13 06:39	4°♂48'34	
	14564 Jul 04 04:14	0°♂		evening set	14567 Feb 28 19:15	0°♂09'56	
	14564 Jul 28 08:25	0°♂			14567 Mar 01 02:20	30°♂	
	14564 Aug 21 09:12	0°♂		inferior conj	14567 Mar 06 15:15	26°♂38'43	-2°45'08
morning set	14564 Sep 05 04:41	18°♂31'40		minimum elong	14567 Mar 06 21:14	26°♂29'20	2°43'12
	14564 Sep 14 08:48	0°♂		min. Earth dist.	14567 Mar 06 23:21	26°♂25'59	0.28489 AU
asc. node	14564 Sep 30 05:14	19°♂49'47		morning rise	14567 Mar 12 22:50	22°♂50'26	
	14564 Oct 08 08:30	0°♂		asc. node	14567 Mar 17 22:11	20°♂27'26	

direct	14567 Mar 27 21:11	18° $\text{H}$ 27'20		14569 Sep 23 04:10	0° $\text{M}$	
greatest brilliancy	14567 Apr 07 17:36	20° $\text{H}$ 36'28	-4.8m	14569 Oct 17 06:34	0° $\text{X}$	
	14567 Apr 23 23:04	0° $\text{Y}$		14569 Nov 10 13:53	0° $\text{Z}$	
morning max el	14567 May 16 10:23	19° $\text{Y}$ 46'19	46°13'57	14569 Dec 05 05:34	0° $\approx$	
	14567 May 26 11:23	0° $\text{B}$		desc. node	14569 Dec 22 08:30	20° $\approx$ 28'24
	14567 Jun 22 16:19	0° $\text{II}$			14569 Dec 30 10:12	0° $\text{H}$
desc. node	14567 Jul 08 00:52	17° $\text{II}$ 51'57			14570 Jan 25 10:33	0° $\text{Y}$
	14567 Jul 18 06:11	0° $\text{G}$			14570 Feb 21 22:33	0° $\text{B}$
	14567 Aug 12 01:42	0° $\text{O}$		evening max el	14570 Mar 07 07:07	13° $\text{B}$ 29'05 46°00'36
	14567 Sep 05 12:00	0° $\text{M}$			14570 Mar 25 20:44	0° $\text{II}$
	14567 Sep 29 18:06	0° $\text{A}$		asc. node	14570 Apr 14 07:32	11° $\text{II}$ 57'29
	14567 Oct 23 22:29	0° $\text{M}$		greatest brilliancy	14570 Apr 15 13:58	12° $\text{II}$ 25'43 -4.8m
asc. node	14567 Oct 28 19:33	6° $\text{M}$ 03'27		retrograde	14570 Apr 25 13:38	14° $\text{II}$ 16'03
	14567 Nov 17 02:09	0° $\text{X}$		evening set	14570 May 11 13:28	9° $\text{II}$ 15'50
morning set	14567 Nov 17 14:24	0° $\text{X}$ 38'04		inferior conj	14570 May 16 12:14	6° $\text{II}$ 15'06 7°05'16
	14567 Dec 11 05:51	0° $\text{Z}$		minimum elong	14570 May 16 01:39	6° $\text{II}$ 31'39 7°02'17
				min. Earth dist.	14570 May 16 11:22	6° $\text{II}$ 16'27 0.27977 AU
superior conj	14567 Dec 25 01:43	17° $\text{Z}$ 09'19	1°26'19	morning rise	14570 May 20 13:45	3° $\text{II}$ 45'17
minimum elong	14567 Dec 25 02:37	17° $\text{Z}$ 12'08	1°27'21		14570 May 28 01:50	30° $\text{R}$ $\text{B}$
max. Earth dist.	14567 Dec 27 02:58	19° $\text{Z}$ 41'56	1.72791 AU	direct	14570 Jun 06 14:19	28° $\text{B}$ 08'58
	14568 Jan 04 10:38	0° $\approx$			14570 Jun 16 11:52	0° $\text{II}$
	14568 Jan 28 17:45	0° $\text{H}$		greatest brilliancy	14570 Jun 16 14:50	0° $\text{II}$ 02'41 -4.8m
evening rise	14568 Jan 31 08:42	3° $\text{H}$ 13'48			14570 Jul 26 05:02	0° $\text{G}$
desc. node	14568 Feb 17 09:32	24° $\text{H}$ 09'53		morning max el	14570 Jul 26 23:54	0° $\text{G}$ 47'14 46°52'49
	14568 Feb 22 03:43	0° $\text{Y}$		desc. node	14570 Aug 04 10:50	9° $\text{G}$ 29'54
	14568 Mar 17 16:10	0° $\text{B}$			14570 Aug 23 03:55	0° $\text{O}$
	14568 Apr 11 06:40	0° $\text{II}$			14570 Sep 18 01:27	0° $\text{M}$
	14568 May 06 00:01	0° $\text{G}$			14570 Oct 13 04:06	0° $\text{A}$
	14568 May 30 23:47	0° $\text{O}$			14570 Nov 06 22:04	0° $\text{M}$
asc. node	14568 Jun 09 02:09	10° $\text{O}$ 46'32		asc. node	14570 Nov 25 08:46	22° $\text{M}$ 31'52
	14568 Jun 25 13:55	0° $\text{M}$			14570 Dec 01 11:05	0° $\text{X}$
	14568 Jul 22 13:26	0° $\text{A}$			14570 Dec 25 20:51	0° $\text{Z}$
evening max el	14568 Aug 01 20:52	10° $\text{A}$ 39'22	46°43'28		14571 Jan 19 04:45	0° $\approx$
	14568 Aug 23 04:30	0° $\text{M}$		morning set	14571 Jan 26 05:24	8° $\approx$ 40'21
greatest brilliancy	14568 Sep 10 10:34	11° $\text{M}$ 03'48	-4.9m		14571 Feb 12 12:09	0° $\text{H}$
retrograde	14568 Sep 21 05:01	13° $\text{M}$ 14'04				
desc. node	14568 Sep 29 03:09	11° $\text{M}$ 57'13		superior conj	14571 Mar 04 07:20	24° $\text{H}$ 25'32 0°30'09
evening set	14568 Oct 05 21:03	9° $\text{M}$ 00'27		minimum elong	14571 Mar 04 13:50	24° $\text{H}$ 45'34 0°30'03
min. Earth dist.	14568 Oct 11 12:16	5° $\text{M}$ 43'37	0.27277 AU	max. Earth dist.	14571 Mar 04 09:44	24° $\text{H}$ 32'57 1.73114 AU
inferior conj	14568 Oct 12 02:53	5° $\text{M}$ 21'21	-3°17'19		14571 Mar 08 19:47	0° $\text{Y}$
minimum elong	14568 Oct 11 19:38	5° $\text{M}$ 32'24	3°14'38	desc. node	14571 Mar 17 00:07	10° $\text{Y}$ 05'30
morning rise	14568 Oct 17 18:41	2° $\text{M}$ 01'56			14571 Apr 02 03:23	0° $\text{B}$
	14568 Oct 21 22:07	30° $\text{R}$ $\text{A}$		evening rise	14571 Apr 11 10:20	11° $\text{B}$ 28'10
direct	14568 Nov 01 22:14	27° $\text{A}$ 35'09			14571 Apr 26 10:14	0° $\text{II}$
greatest brilliancy	14568 Nov 11 13:33	29° $\text{A}$ 17'21	-4.8m		14571 May 20 16:12	0° $\text{G}$
	14568 Nov 13 12:01	0° $\text{M}$			14571 Jun 13 22:25	0° $\text{O}$
morning max el	14568 Dec 21 05:11	28° $\text{M}$ 10'42	46°01'53	asc. node	14571 Jul 07 14:25	29° $\text{O}$ 08'27
	14568 Dec 23 02:07	0° $\text{X}$			14571 Jul 08 07:13	0° $\text{M}$
asc. node	14569 Jan 20 05:35	29° $\text{X}$ 34'12			14571 Aug 01 22:06	0° $\text{A}$
	14569 Jan 20 14:55	0° $\text{Z}$			14571 Aug 27 01:07	0° $\text{M}$
	14569 Feb 15 23:45	0° $\approx$			14571 Sep 22 05:48	0° $\text{X}$
	14569 Mar 13 09:40	0° $\text{H}$		evening max el	14571 Oct 13 16:54	22° $\text{X}$ 40'21 46°28'07
	14569 Apr 07 07:14	0° $\text{Y}$			14571 Oct 21 07:23	0° $\text{Z}$
	14569 May 01 21:02	0° $\text{B}$		desc. node	14571 Oct 27 12:35	5° $\text{Z}$ 35'23
desc. node	14569 May 12 02:37	12° $\text{B}$ 35'09		greatest brilliancy	14571 Nov 22 00:47	22° $\text{Z}$ 20'22 -4.8m
	14569 May 26 04:57	0° $\text{II}$		retrograde	14571 Dec 02 14:03	24° $\text{Z}$ 22'12
	14569 Jun 19 08:05	0° $\text{G}$		evening set	14571 Dec 21 00:52	17° $\text{Z}$ 58'52
morning set	14569 Jun 20 05:57	1° $\text{G}$ 08'14		inferior conj	14571 Dec 23 23:48	16° $\text{Z}$ 08'49 -8°53'36
	14569 Jul 13 07:53	0° $\text{O}$		minimum elong	14571 Dec 24 00:39	16° $\text{Z}$ 07'29 8°52'34
max. Earth dist.	14569 Jul 29 07:11	20° $\text{O}$ 01'11	1.71503 AU	min. Earth dist.	14571 Dec 23 14:51	16° $\text{Z}$ 22'50 0.28649 AU
				morning rise	14571 Dec 27 00:35	14° $\text{Z}$ 16'23
superior conj	14569 Jul 30 02:04	21° $\text{O}$ 00'22	-1°10'41	direct	14572 Jan 14 06:54	8° $\text{Z}$ 03'34
minimum elong	14569 Jul 30 13:21	21° $\text{O}$ 35'46	1°11'06	greatest brilliancy	14572 Jan 24 06:35	9° $\text{Z}$ 52'46 -4.8m
	14569 Aug 06 06:08	0° $\text{M}$		asc. node	14572 Feb 17 15:05	25° $\text{Z}$ 09'34
	14569 Aug 30 04:29	0° $\text{A}$			14572 Feb 23 05:30	0° $\approx$
asc. node	14569 Sep 01 16:33	3° $\text{A}$ 08'07		morning max el	14572 Mar 03 06:54	8° $\approx$ 28'05 45°43'41
evening rise	14569 Sep 08 04:26	11° $\text{A}$ 16'01			14572 Mar 24 03:39	0° $\text{H}$

	14572 Apr 19 20:58	0°♿			14574 Dec 21 12:32	0°♿	
	14572 May 15 08:57	0°♿		evening max el	14574 Dec 23 19:20	2°♿13'32	46°02'33
desc. node	14572 Jun 08 15:17	29°♿17'42			14575 Jan 29 19:57	0°♿	
	14572 Jun 09 05:10	0°♿		greatest brilliancy	14575 Feb 01 00:23	0°♿49'44	-4.8m
	14572 Jul 03 15:24	0°♿		retrograde	14575 Feb 10 22:25	2°♿37'53	
	14572 Jul 27 19:22	0°♿			14575 Feb 22 10:42	30°♿	
	14572 Aug 20 19:59	0°♿		evening set	14575 Feb 26 12:54	27°♿55'41	
morning set	14572 Sep 02 17:42	16°♿08'48		inferior conj	14575 Mar 04 06:57	24°♿27'23	-3°05'02
	14572 Sep 13 19:26	0°♿		minimum elong	14575 Mar 04 13:34	24°♿17'01	3°02'54
asc. node	14572 Sep 29 07:10	19°♿22'44		min. Earth dist.	14575 Mar 04 15:14	24°♿14'24	0.28515 AU
	14572 Oct 07 19:02	0°♿		morning rise	14575 Mar 10 13:52	20°♿40'21	
				asc. node	14575 Mar 17 00:16	17°♿44'21	
superior conj	14572 Oct 12 02:05	5°♿21'56	0°30'36	direct	14575 Mar 25 13:01	16°♿15'40	
minimum elong	14572 Oct 11 19:01	4°♿59'50	0°30'45	greatest brilliancy	14575 Apr 05 10:04	18°♿25'43	-4.8m
max. Earth dist.	14572 Oct 13 22:09	7°♿39'34	1.71880 AU		14575 Apr 24 12:02	0°♿	
	14572 Oct 31 19:40	0°♿		morning max el	14575 May 14 02:28	17°♿34'32	46°12'27
evening rise	14572 Nov 19 02:13	22°♿44'37			14575 May 26 05:40	0°♿	
	14572 Nov 24 22:29	0°♿			14575 Jun 22 06:38	0°♿	
	14572 Dec 19 05:08	0°♿		desc. node	14575 Jul 07 02:46	17°♿18'42	
	14573 Jan 12 17:26	0°♿			14575 Jul 17 18:52	0°♿	
desc. node	14573 Jan 18 21:25	7°♿29'33			14575 Aug 11 13:30	0°♿	
	14573 Feb 06 12:43	0°♿			14575 Sep 04 23:18	0°♿	
	14573 Mar 03 16:08	0°♿			14575 Sep 29 05:04	0°♿	
	14573 Mar 29 06:49	0°♿			14575 Oct 23 09:13	0°♿	
	14573 Apr 24 19:12	0°♿		asc. node	14575 Oct 27 21:19	5°♿35'43	
asc. node	14573 May 11 17:10	18°♿03'36		morning set	14575 Nov 15 05:16	28°♿22'19	
evening max el	14573 May 18 11:59	24°♿54'44	46°24'50		14575 Nov 16 12:42	0°♿	
	14573 May 23 17:49	0°♿			14575 Dec 10 16:16	0°♿	
greatest brilliancy	14573 Jun 27 21:50	25°♿03'45	-4.9m				
retrograde	14573 Jul 07 07:52	26°♿43'53		superior conj	14575 Dec 22 18:10	14°♿59'20	1°26'25
evening set	14573 Jul 24 08:35	21°♿10'59		minimum elong	14575 Dec 22 18:17	14°♿59'43	1°27'26
inferior conj	14573 Jul 28 00:25	18°♿57'59	7°41'18	max. Earth dist.	14575 Dec 24 20:41	17°♿35'57	1.72764 AU
minimum elong	14573 Jul 28 10:44	18°♿42'06	7°38'44		14576 Jan 03 21:00	0°♿	
min. Earth dist.	14573 Jul 28 16:17	18°♿33'33	0.27217 AU		14576 Jan 28 04:09	0°♿	
morning rise	14573 Aug 01 12:40	16°♿14'36		evening rise	14576 Jan 29 00:55	1°♿03'57	
direct	14573 Aug 17 19:19	11°♿05'01		desc. node	14576 Feb 16 11:28	23°♿43'30	
greatest brilliancy	14573 Aug 28 00:56	13°♿02'23	-4.9m		14576 Feb 21 14:17	0°♿	
desc. node	14573 Aug 31 20:06	14°♿38'36			14576 Mar 17 03:01	0°♿	
	14573 Sep 22 17:19	0°♿			14576 Apr 10 17:55	0°♿	
morning max el	14573 Oct 07 02:14	13°♿28'38	46°46'08		14576 May 05 11:55	0°♿	
	14573 Oct 22 23:57	0°♿			14576 May 30 12:44	0°♿	
	14573 Nov 18 21:32	0°♿		asc. node	14576 Jun 08 03:57	10°♿12'08	
	14573 Dec 14 15:15	0°♿			14576 Jun 25 04:47	0°♿	
asc. node	14573 Dec 22 20:47	9°♿45'34			14576 Jul 22 08:47	0°♿	
	14574 Jan 08 18:37	0°♿		evening max el	14576 Jul 30 11:37	8°♿20'19	46°43'29
	14574 Feb 02 13:15	0°♿			14576 Aug 23 21:06	0°♿	
	14574 Feb 27 02:35	0°♿		greatest brilliancy	14576 Sep 08 00:17	8°♿41'37	-4.9m
	14574 Mar 23 12:41	0°♿		retrograde	14576 Sep 18 19:18	10°♿51'59	
morning set	14574 Apr 05 13:58	16°♿05'14		desc. node	14576 Sep 28 05:09	9°♿03'40	
desc. node	14574 Apr 13 14:38	26°♿00'07		evening set	14576 Oct 03 09:21	6°♿40'08	
	14574 Apr 16 20:15	0°♿		min. Earth dist.	14576 Oct 09 02:03	3°♿21'08	0.27236 AU
	14574 May 11 01:12	0°♿		inferior conj	14576 Oct 09 16:02	2°♿59'50	-2°55'08
max. Earth dist.	14574 May 11 10:54	0°♿30'09	1.72358 AU	minimum elong	14576 Oct 09 09:30	3°♿09'47	2°52'39
					14576 Oct 14 17:50	30°♿	
superior conj	14574 May 14 14:11	4°♿24'04	-1°06'23	morning rise	14576 Oct 15 10:12	29°♿37'33	
minimum elong	14574 May 14 03:08	3°♿49'43	1°06'54	direct	14576 Oct 30 11:41	25°♿14'06	
	14574 Jun 04 03:33	0°♿		greatest brilliancy	14576 Nov 09 02:26	26°♿56'21	-4.8m
evening rise	14574 Jun 22 20:09	23°♿20'24			14576 Nov 16 02:23	0°♿	
	14574 Jun 28 04:05	0°♿		morning max el	14576 Dec 18 19:53	25°♿55'14	46°03'14
	14574 Jul 22 04:23	0°♿			14576 Dec 22 23:40	0°♿	
asc. node	14574 Aug 04 03:59	16°♿11'31		asc. node	14577 Jan 19 07:32	28°♿57'07	
	14574 Aug 15 06:16	0°♿			14577 Jan 20 06:12	0°♿	
	14574 Sep 08 11:51	0°♿			14577 Feb 15 12:41	0°♿	
	14574 Oct 03 00:21	0°♿			14577 Mar 12 21:27	0°♿	
	14574 Oct 28 01:41	0°♿			14577 Apr 06 18:25	0°♿	
	14574 Nov 23 03:46	0°♿			14577 May 01 07:54	0°♿	
desc. node	14574 Nov 23 22:47	0°♿52'58		desc. node	14577 May 11 04:23	12°♿07'23	

	14577 May 25 15:38	0°♄	retrograde	14579 Nov 30 04:48	22°♄08'19	
morning set	14577 Jun 17 17:57	28°♄42'50	evening set	14579 Dec 18 15:38	15°♄46'13	
	14577 Jun 18 18:42	0°♄	min. Earth dist.	14579 Dec 21 05:25	14°♄10'33	0.28621 AU
	14577 Jul 12 18:29	0°♄	inferior conj	14579 Dec 21 15:04	13°♄55'27	-8°54'18
max. Earth dist.	14577 Jul 26 17:15	17°♄28'58 1.71509 AU	minimum elong	14579 Dec 21 15:04	13°♄55'28	8°53'16
			morning rise	14579 Dec 24 14:37	12°♄04'48	
superior conj	14577 Jul 27 13:52	18°♄33'37 -1°12'55	direct	14580 Jan 11 21:33	5°♄50'45	
minimum elong	14577 Jul 28 00:49	19°♄07'57 1°13'22	greatest brilliancy	14580 Jan 21 20:56	7°♄39'13	-4.8m
	14577 Aug 05 16:45	0°♄	asc. node	14580 Feb 16 17:10	24°♄10'01	
	14577 Aug 29 15:07	0°♄		14580 Feb 23 07:30	0°♄	
asc. node	14577 Aug 31 18:24	2°♄40'35	morning max el	14580 Feb 29 20:37	6°♄11'08	45°43'29
evening rise	14577 Sep 05 16:56	8°♄51'37		14580 Mar 23 20:07	0°♄	
	14577 Sep 22 14:52	0°♄		14580 Apr 19 10:33	0°♄	
	14577 Oct 16 17:24	0°♄		14580 May 14 21:13	0°♄	
	14577 Nov 10 01:00	0°♄	desc. node	14580 Jun 07 17:13	28°♄48'16	
	14577 Dec 04 17:12	0°♄		14580 Jun 08 16:44	0°♄	
desc. node	14577 Dec 21 10:22	19°♄57'51		14580 Jul 03 02:36	0°♄	
	14577 Dec 29 22:45	0°♄		14580 Jul 27 06:21	0°♄	
	14578 Jan 25 00:51	0°♄		14580 Aug 20 06:50	0°♄	
	14578 Feb 21 17:00	0°♄	morning set	14580 Aug 31 06:31	13°♄44'53	
evening max el	14578 Mar 04 22:24	11°♄15'49 46°00'06		14580 Sep 13 06:12	0°♄	
	14578 Mar 26 10:00	0°♄	asc. node	14580 Sep 28 08:55	18°♄54'39	
greatest brilliancy	14578 Apr 13 04:06	10°♄09'12 -4.8m		14580 Oct 07 05:45	0°♄	
asc. node	14578 Apr 13 09:24	10°♄13'50				
retrograde	14578 Apr 23 03:38	11°♄59'13	superior conj	14580 Oct 09 15:48	3°♄01'23	0°27'08
evening set	14578 May 09 00:35	7°♄04'10	minimum elong	14580 Oct 09 09:24	2°♄41'25	0°27'17
inferior conj	14578 May 14 02:51	3°♄58'06 6°50'51	max. Earth dist.	14580 Oct 11 07:58	5°♄06'51	1.71852 AU
minimum elong	14578 May 13 16:10	4°♄14'51 6°47'44		14580 Oct 31 06:22	0°♄	
min. Earth dist.	14578 May 14 01:46	3°♄59'48 0.27991 AU	evening rise	14580 Nov 16 17:30	20°♄29'43	
morning rise	14578 May 18 07:39	1°♄23'07		14580 Nov 24 09:13	0°♄	
	14578 May 20 18:21	30°♄8		14580 Dec 18 16:00	0°♄	
direct	14578 Jun 04 05:17	25°♄51'56		14581 Jan 12 04:35	0°♄	
greatest brilliancy	14578 Jun 14 05:50	27°♄45'20 -4.8m	desc. node	14581 Jan 17 23:22	7°♄01'21	
	14578 Jun 19 09:11	0°♄		14581 Feb 06 00:21	0°♄	
morning max el	14578 Jul 24 13:30	28°♄26'00 46°51'53		14581 Mar 03 04:37	0°♄	
	14578 Jul 26 02:47	0°♄		14581 Mar 28 20:45	0°♄	
desc. node	14578 Aug 03 12:56	8°♄44'58		14581 Apr 24 12:04	0°♄	
	14578 Aug 22 19:41	0°♄	asc. node	14581 May 10 19:07	17°♄15'54	
	14578 Sep 17 14:58	0°♄	evening max el	14581 May 16 00:27	22°♄30'47	46°24'00
	14578 Oct 12 16:26	0°♄		14581 May 23 19:39	0°♄	
	14578 Nov 06 09:39	0°♄	greatest brilliancy	14581 Jun 25 11:11	22°♄40'53	-4.9m
asc. node	14578 Nov 24 10:36	22°♄03'11	retrograde	14581 Jul 04 20:53	24°♄21'09	
	14578 Nov 30 22:10	0°♄	evening set	14581 Jul 22 01:10	18°♄42'28	
	14578 Dec 25 07:37	0°♄	inferior conj	14581 Jul 25 13:37	16°♄34'35	7°53'52
	14579 Jan 18 15:20	0°♄	minimum elong	14581 Jul 25 23:31	16°♄19'20	7°51'26
morning set	14579 Jan 23 22:14	6°♄31'34	min. Earth dist.	14581 Jul 26 05:36	16°♄09'59	0.27250 AU
	14579 Feb 11 22:40	0°♄	morning rise	14581 Jul 29 21:40	13°♄57'24	
			direct	14581 Aug 15 08:25	8°♄40'43	
superior conj	14579 Mar 01 23:22	22°♄14'37 0°33'20	greatest brilliancy	14581 Aug 25 14:37	10°♄38'51	-4.9m
minimum elong	14579 Mar 02 06:26	22°♄36'24 0°33'15	desc. node	14581 Aug 30 22:05	13°♄00'11	
max. Earth dist.	14579 Mar 02 02:30	22°♄24'16 1.73117 AU		14581 Sep 22 23:32	0°♄	
	14579 Mar 08 06:18	0°♄	morning max el	14581 Oct 04 16:29	11°♄07'47	46°47'15
desc. node	14579 Mar 16 01:58	9°♄38'45		14581 Oct 22 18:00	0°♄	
	14579 Apr 01 13:57	0°♄		14581 Nov 18 12:02	0°♄	
evening rise	14579 Apr 09 01:42	9°♄14'38		14581 Dec 14 04:06	0°♄	
	14579 Apr 25 20:56	0°♄	asc. node	14581 Dec 21 22:47	9°♄14'25	
	14579 May 20 03:08	0°♄		14582 Jan 08 06:30	0°♄	
	14579 Jun 13 09:42	0°♄		14582 Feb 02 00:34	0°♄	
asc. node	14579 Jul 06 16:20	28°♄38'22		14582 Feb 26 13:34	0°♄	
	14579 Jul 07 18:59	0°♄		14582 Mar 22 23:30	0°♄	
	14579 Aug 01 10:38	0°♄	morning set	14582 Apr 03 04:59	13°♄50'14	
	14579 Aug 26 14:59	0°♄	desc. node	14582 Apr 12 16:20	25°♄32'03	
	14579 Sep 21 22:33	0°♄		14582 Apr 16 07:02	0°♄	
evening max el	14579 Oct 11 07:00	20°♄21'31 46°29'01	max. Earth dist.	14582 May 09 03:33	28°♄19'15	1.72396 AU
	14579 Oct 21 09:32	0°♄		14582 May 10 12:00	0°♄	
desc. node	14579 Oct 26 14:30	4°♄34'37				
greatest brilliancy	14579 Nov 19 16:07	20°♄06'29 -4.8m	superior conj	14582 May 12 03:45	2°♄03'28 -1°03'56	



minimum elong	14582 May 11 16:37	1° $\Pi$ 28'54	1°04'24	direct	14584 Oct 28 01:20	22° $\Omega$ 52'51	
	14582 Jun 03 14:23	0° $\Theta$		greatest brilliancy	14584 Nov 06 15:22	24° $\Omega$ 34'46	-4.8m
evening rise	14582 Jun 20 08:38	20° $\Theta$ 55'28			14584 Nov 17 17:44	0° $\Pi$	
	14582 Jun 27 15:00	0° $\Omega$		morning max el	14584 Dec 16 09:44	23° $\Pi$ 37'02	46°04'30
	14582 Jul 21 15:25	0° $\Pi$			14584 Dec 22 20:40	0° $\mathcal{A}$	
asc. node	14582 Aug 03 05:53	15° $\Pi$ 42'40		asc. node	14585 Jan 18 09:32	28° $\mathcal{A}$ 19'40	
	14582 Aug 14 17:31	0° $\Omega$			14585 Jan 19 21:32	0° $\mathcal{Z}$	
	14582 Sep 07 23:28	0° $\Pi$			14585 Feb 15 01:51	0° $\approx$	
	14582 Oct 02 12:32	0° $\mathcal{A}$			14585 Mar 12 09:34	0° $\mathcal{H}$	
	14582 Oct 27 14:56	0° $\mathcal{Z}$			14585 Apr 06 05:58	0° $\mathcal{Y}$	
	14582 Nov 22 19:15	0° $\approx$			14585 Apr 30 19:07	0° $\mathcal{B}$	
desc. node	14582 Nov 23 00:43	0° $\approx$ 15'09		desc. node	14585 May 10 06:18	11° $\mathcal{B}$ 39'00	
	14582 Dec 21 10:19	0° $\mathcal{H}$			14585 May 25 02:40	0° $\Pi$	
evening max el	14582 Dec 21 10:53	0° $\mathcal{H}$ 01'23	46°03'14	morning set	14585 Jun 15 05:52	26° $\Pi$ 16'15	
greatest brilliancy	14583 Jan 29 14:59	28° $\mathcal{H}$ 36'37	-4.8m		14585 Jun 18 05:39	0° $\Theta$	
	14583 Feb 03 20:47	0° $\mathcal{Y}$			14585 Jul 12 05:25	0° $\Omega$	
retrograde	14583 Feb 08 14:23	0° $\mathcal{Y}$ 25'39		max. Earth dist.	14585 Jul 24 00:38	14° $\Omega$ 47'22	1.71519 AU
	14583 Feb 13 05:15	30° $\mathcal{R}$ $\mathcal{H}$					
evening set	14583 Feb 24 06:39	25° $\mathcal{H}$ 39'59		superior conj	14585 Jul 25 01:43	16° $\Omega$ 05'58	-1°15'00
inferior conj	14583 Mar 01 22:33	22° $\mathcal{H}$ 14'36	-3°24'43	minimum elong	14585 Jul 25 12:13	16° $\Omega$ 38'54	1°15'30
minimum elong	14583 Mar 02 05:46	22° $\mathcal{H}$ 03'18	3°22'24		14585 Aug 05 03:42	0° $\Pi$	
min. Earth dist.	14583 Mar 02 06:40	22° $\mathcal{H}$ 01'54	0.28539 AU		14585 Aug 29 02:07	0° $\Omega$	
morning rise	14583 Mar 08 04:38	18° $\mathcal{H}$ 29'06		asc. node	14585 Aug 30 20:09	2° $\Omega$ 11'38	
asc. node	14583 Mar 16 02:09	15° $\mathcal{H}$ 04'48		evening rise	14585 Sep 03 05:22	6° $\Omega$ 25'52	
direct	14583 Mar 23 05:13	14° $\mathcal{H}$ 02'48			14585 Sep 22 01:55	0° $\Pi$	
greatest brilliancy	14583 Apr 03 01:49	16° $\mathcal{H}$ 12'55	-4.8m		14585 Oct 16 04:33	0° $\mathcal{A}$	
	14583 Apr 24 22:07	0° $\mathcal{Y}$			14585 Nov 09 12:26	0° $\mathcal{Z}$	
morning max el	14583 May 11 18:41	15° $\mathcal{Y}$ 22'06	46°10'54		14585 Dec 04 05:08	0° $\approx$	
	14583 May 25 23:54	0° $\mathcal{B}$		desc. node	14585 Dec 20 12:23	19° $\approx$ 26'56	
	14583 Jun 21 21:10	0° $\Pi$			14585 Dec 29 11:38	0° $\mathcal{H}$	
desc. node	14583 Jul 06 04:44	16° $\Pi$ 44'41			14586 Jan 24 15:37	0° $\mathcal{Y}$	
	14583 Jul 17 07:49	0° $\Theta$			14586 Feb 21 12:21	0° $\mathcal{B}$	
	14583 Aug 11 01:36	0° $\Omega$		evening max el	14586 Mar 02 12:57	8° $\mathcal{B}$ 59'46	45°59'30
	14583 Sep 04 10:53	0° $\Pi$			14586 Mar 27 04:31	0° $\Pi$	
	14583 Sep 28 16:18	0° $\Omega$		greatest brilliancy	14586 Apr 10 18:49	7° $\Pi$ 52'18	-4.8m
	14583 Oct 22 20:12	0° $\Pi$		asc. node	14586 Apr 12 11:24	8° $\Pi$ 25'17	
asc. node	14583 Oct 26 23:06	5° $\Pi$ 07'15		retrograde	14586 Apr 20 17:28	9° $\Pi$ 41'41	
morning set	14583 Nov 12 20:24	26° $\Pi$ 06'33		evening set	14586 May 06 11:55	4° $\Pi$ 51'26	
	14583 Nov 15 23:31	0° $\mathcal{A}$		inferior conj	14586 May 11 17:35	1° $\Pi$ 40'27	6°35'39
	14583 Dec 10 02:59	0° $\mathcal{Z}$		minimum elong	14586 May 11 06:52	1° $\Pi$ 57'16	6°32'28
				min. Earth dist.	14586 May 11 16:39	1° $\Pi$ 41'55	0.28006 AU
superior conj	14583 Dec 20 10:40	12° $\mathcal{Z}$ 48'25	1°26'22		14586 May 14 10:04	30° $\mathcal{R}$ $\mathcal{B}$	
minimum elong	14583 Dec 20 09:59	12° $\mathcal{Z}$ 46'19	1°27'24	morning rise	14586 May 16 01:39	29° $\mathcal{B}$ 00'22	
max. Earth dist.	14583 Dec 22 15:32	15° $\mathcal{Z}$ 32'20	1.72740 AU	direct	14586 Jun 01 19:51	23° $\mathcal{B}$ 34'05	
	14584 Jan 03 07:42	0° $\approx$		greatest brilliancy	14586 Jun 11 21:32	25° $\mathcal{B}$ 28'00	-4.8m
evening rise	14584 Jan 26 17:01	28° $\approx$ 52'32			14586 Jun 21 03:22	0° $\Pi$	
	14584 Jan 27 14:56	0° $\mathcal{H}$		morning max el	14586 Jul 22 02:25	26° $\Pi$ 02'07	46°50'57
desc. node	14584 Feb 15 13:15	23° $\mathcal{H}$ 15'30			14586 Jul 26 00:06	0° $\Theta$	
	14584 Feb 21 01:14	0° $\mathcal{Y}$		desc. node	14586 Aug 02 14:53	7° $\Theta$ 59'27	
	14584 Mar 16 14:16	0° $\mathcal{B}$			14586 Aug 22 11:29	0° $\Omega$	
	14584 Apr 10 05:36	0° $\Pi$			14586 Sep 17 04:39	0° $\Pi$	
	14584 May 05 00:16	0° $\Theta$			14586 Oct 12 04:59	0° $\Omega$	
	14584 May 30 02:11	0° $\Omega$			14586 Nov 05 21:28	0° $\Pi$	
asc. node	14584 Jun 07 05:57	9° $\Omega$ 36'57		asc. node	14586 Nov 23 12:34	21° $\Pi$ 34'10	
	14584 Jun 24 20:18	0° $\Pi$			14586 Nov 30 09:29	0° $\mathcal{A}$	
	14584 Jul 22 05:13	0° $\Omega$			14586 Dec 24 18:36	0° $\mathcal{Z}$	
evening max el	14584 Jul 28 02:48	6° $\Omega$ 01'14	46°43'26		14587 Jan 18 02:07	0° $\approx$	
	14584 Aug 24 20:08	0° $\Pi$		morning set	14587 Jan 21 15:25	4° $\approx$ 23'17	
greatest brilliancy	14584 Sep 05 14:41	6° $\Pi$ 19'32	-4.9m		14587 Feb 11 09:22	0° $\mathcal{H}$	
retrograde	14584 Sep 16 09:28	8° $\Pi$ 29'09					
desc. node	14584 Sep 27 07:02	6° $\Pi$ 04'55		superior conj	14587 Feb 27 15:46	20° $\mathcal{H}$ 04'14	0°36'26
evening set	14584 Sep 30 22:05	4° $\Pi$ 19'09		minimum elong	14587 Feb 27 23:21	20° $\mathcal{H}$ 27'37	0°36'21
min. Earth dist.	14584 Oct 06 16:07	0° $\Pi$ 58'00	0.27191 AU	max. Earth dist.	14587 Feb 27 19:22	20° $\mathcal{H}$ 15'21	1.73125 AU
inferior conj	14584 Oct 07 05:19	0° $\Pi$ 37'52	-2°32'37		14587 Mar 07 17:00	0° $\mathcal{Y}$	
minimum elong	14584 Oct 06 23:34	0° $\Pi$ 46'39	2°30'23	desc. node	14587 Mar 15 03:44	9° $\mathcal{Y}$ 11'03	
	14584 Oct 08 06:13	30° $\mathcal{R}$ $\Omega$			14587 Apr 01 00:45	0° $\mathcal{B}$	
morning rise	14584 Oct 13 01:40	27° $\Omega$ 12'47		evening rise	14587 Apr 06 17:14	7° $\mathcal{B}$ 00'59	

	14587 Apr 25 07:54	0°♂		asc. node	14589 Dec 21 00:38	8°♂43'05	
	14587 May 19 14:21	0°♂			14590 Jan 07 18:18	0°♂	
	14587 Jun 12 21:15	0°♂			14590 Feb 01 11:47	0°♂	
asc. node	14587 Jul 05 18:15	28°♂07'24			14590 Feb 26 00:26	0°♂	
	14587 Jul 07 07:02	0°♂			14590 Mar 22 10:11	0°♂	
	14587 Jul 31 23:29	0°♂		morning set	14590 Mar 31 20:33	11°♂37'26	
	14587 Aug 26 05:16	0°♂		desc. node	14590 Apr 11 18:15	25°♂05'12	
	14587 Sep 21 15:56	0°♂			14590 Apr 15 17:38	0°♂	
evening max el	14587 Oct 08 20:32	18°♂00'28	46°29'56	max. Earth dist.	14590 May 06 21:19	26°♂12'25	1.72434 AU
	14587 Oct 21 13:37	0°♂					
desc. node	14587 Oct 25 16:32	3°♂31'57		superior conj	14590 May 09 17:40	29°♂44'37	-1°01'23
greatest brilliancy	14587 Nov 17 07:19	17°♂51'43	-4.8m	minimum elong	14590 May 09 06:33	29°♂10'07	1°01'49
retrograde	14587 Nov 27 19:56	19°♂54'07			14590 May 09 22:37	0°♂	
evening set	14587 Dec 16 05:58	13°♂33'46			14590 Jun 03 01:04	0°♂	
inferior conj	14587 Dec 19 06:22	11°♂41'43	-8°54'05	evening rise	14590 Jun 17 21:18	18°♂31'32	
minimum elong	14587 Dec 19 05:30	11°♂43'05	8°53'03		14590 Jun 27 01:48	0°♂	
min. Earth dist.	14587 Dec 18 20:03	11°♂57'50	0.28589 AU		14590 Jul 21 02:24	0°♂	
morning rise	14587 Dec 22 05:09	9°♂52'19		asc. node	14590 Aug 02 07:36	15°♂13'27	
direct	14588 Jan 09 11:57	3°♂37'32			14590 Aug 14 04:46	0°♂	
greatest brilliancy	14588 Jan 19 11:34	5°♂25'52	-4.8m		14590 Sep 07 11:04	0°♂	
asc. node	14588 Feb 15 19:01	23°♂11'16			14590 Oct 02 00:43	0°♂	
	14588 Feb 23 08:10	0°♂			14590 Oct 27 04:12	0°♂	
morning max el	14588 Feb 27 10:46	3°♂55'09	45°43'28	desc. node	14590 Nov 22 02:43	29°♂37'33	
	14588 Mar 23 12:18	0°♂			14590 Nov 22 10:52	0°♂	
	14588 Apr 19 00:03	0°♂		evening max el	14590 Dec 19 02:52	27°♂50'36	46°03'57
	14588 May 14 09:32	0°♂			14590 Dec 21 08:50	0°♂	
desc. node	14588 Jun 06 19:10	28°♂18'28		greatest brilliancy	14591 Jan 27 05:58	26°♂24'30	-4.8m
	14588 Jun 08 04:26	0°♂		retrograde	14591 Feb 06 06:16	28°♂13'49	
	14588 Jul 02 13:58	0°♂		evening set	14591 Feb 22 00:34	23°♂24'54	
	14588 Jul 26 17:29	0°♂		inferior conj	14591 Feb 27 14:08	20°♂02'27	-3°44'06
	14588 Aug 19 17:48	0°♂		minimum elong	14591 Feb 27 21:55	19°♂50'15	3°41'38
morning set	14588 Aug 28 19:05	11°♂19'49		min. Earth dist.	14591 Feb 27 21:59	19°♂50'09	0.28557 AU
	14588 Sep 12 17:03	0°♂		morning rise	14591 Mar 05 19:09	16°♂18'37	
asc. node	14588 Sep 27 10:42	18°♂26'22		asc. node	14591 Mar 15 04:09	12°♂30'42	
	14588 Oct 06 16:32	0°♂		direct	14591 Mar 20 21:32	11°♂50'50	
				greatest brilliancy	14591 Mar 31 16:54	14°♂00'09	-4.8m
superior conj	14588 Oct 07 05:20	0°♂40'00	0°23'36		14591 Apr 25 05:02	0°♂	
minimum elong	14588 Oct 06 23:41	0°♂22'19	0°23'45	morning max el	14591 May 09 10:30	13°♂09'47	46°09'28
max. Earth dist.	14588 Oct 08 18:02	2°♂34'40	1.71827 AU		14591 May 25 17:19	0°♂	
	14588 Oct 30 17:10	0°♂			14591 Jun 21 11:10	0°♂	
evening rise	14588 Nov 14 08:53	18°♂14'46		desc. node	14591 Jul 05 06:39	16°♂11'43	
	14588 Nov 23 20:03	0°♂			14591 Jul 16 20:21	0°♂	
	14588 Dec 18 02:57	0°♂			14591 Aug 10 13:23	0°♂	
	14589 Jan 11 15:47	0°♂			14591 Sep 03 22:13	0°♂	
desc. node	14589 Jan 17 01:11	6°♂32'37			14591 Sep 28 03:21	0°♂	
	14589 Feb 05 12:02	0°♂			14591 Oct 22 07:01	0°♂	
	14589 Mar 02 17:07	0°♂		asc. node	14591 Oct 26 01:04	4°♂39'53	
	14589 Mar 28 10:45	0°♂		morning set	14591 Nov 10 11:06	23°♂49'59	
	14589 Apr 24 05:16	0°♂			14591 Nov 15 10:08	0°♂	
asc. node	14589 May 09 21:07	16°♂27'31			14591 Dec 09 13:29	0°♂	
evening max el	14589 May 13 13:39	20°♂08'47	46°22'58				
	14589 May 23 23:05	0°♂		superior conj	14591 Dec 18 02:49	10°♂37'05	1°26'11
greatest brilliancy	14589 Jun 22 23:52	20°♂16'54	-4.9m	minimum elong	14591 Dec 18 01:20	10°♂32'31	1°27'13
retrograde	14589 Jul 02 10:19	21°♂57'46		max. Earth dist.	14591 Dec 20 10:26	13°♂29'37	1.72711 AU
evening set	14589 Jul 19 17:34	16°♂13'21			14592 Jan 02 18:11	0°♂	
inferior conj	14589 Jul 23 02:41	14°♂10'25	8°05'28	evening rise	14592 Jan 24 08:54	26°♂41'06	
minimum elong	14589 Jul 23 12:07	13°♂55'54	8°03'13		14592 Jan 27 01:30	0°♂	
min. Earth dist.	14589 Jul 23 18:25	13°♂46'12	0.27286 AU	desc. node	14592 Feb 14 15:02	22°♂48'11	
morning rise	14589 Jul 27 06:29	11°♂39'33			14592 Feb 20 11:59	0°♂	
direct	14589 Aug 12 21:55	6°♂15'46			14592 Mar 16 01:16	0°♂	
greatest brilliancy	14589 Aug 23 03:39	8°♂14'01	-4.9m		14592 Apr 09 17:00	0°♂	
desc. node	14589 Aug 29 23:59	11°♂24'45			14592 May 04 12:18	0°♂	
	14589 Sep 23 03:53	0°♂			14592 May 29 15:19	0°♂	
morning max el	14589 Oct 02 07:19	8°♂48'11	46°48'21	asc. node	14592 Jun 06 07:53	9°♂02'41	
	14589 Oct 22 11:39	0°♂			14592 Jun 24 11:35	0°♂	
	14589 Nov 18 02:21	0°♂			14592 Jul 22 01:52	0°♂	
	14589 Dec 13 16:48	0°♂		evening max el	14592 Jul 25 17:13	3°♂41'13	46°43'03

	14592 Aug 26 03:41	0°♌		morning set	14595 Jan 19 08:08	2°≈14'26	
greatest brilliancy	14592 Sep 03 05:26	3°♌58'16	-4.9m		14595 Feb 10 19:45	0°♋	
retrograde	14592 Sep 13 22:50	6°♌06'17					
desc. node	14592 Sep 26 09:07	3°♌00'59		superior conj	14595 Feb 25 07:43	17°♋53'26	0°39'29
evening set	14592 Sep 28 10:49	1°♌57'54		minimum elong	14595 Feb 25 15:46	18°♋18'18	0°39'27
	14592 Oct 01 21:42	30°♋♎		max. Earth dist.	14595 Feb 25 12:51	18°♋09'17	1.73131 AU
inferior conj	14592 Oct 04 18:24	28°♎15'56	-2°09'35		14595 Mar 07 03:23	0°♑	
minimum elong	14592 Oct 04 13:27	28°♎23'29	2°07'38	desc. node	14595 Mar 14 05:34	8°♑44'38	
min. Earth dist.	14592 Oct 04 06:22	28°♎34'18	0.27155 AU		14595 Mar 31 11:13	0°♋	
morning rise	14592 Oct 10 16:42	24°♎48'00		evening rise	14595 Apr 04 08:29	4°♋47'35	
direct	14592 Oct 25 14:26	20°♎31'28			14595 Apr 24 18:33	0°♒	
greatest brilliancy	14592 Nov 04 04:38	22°♎13'24	-4.8m		14595 May 19 01:15	0°♎	
	14592 Nov 18 21:07	0°♌			14595 Jun 12 08:30	0°♏	
morning max el	14592 Dec 13 22:33	21°♌16'32	46°05'51	asc. node	14595 Jul 04 20:00	27°♏37'05	
	14592 Dec 22 16:46	0°♌			14595 Jul 06 18:45	0°♐	
asc. node	14593 Jan 17 11:26	27°♌42'56			14595 Jul 31 11:59	0°♎	
	14593 Jan 19 12:24	0°♋			14595 Aug 25 19:12	0°♌	
	14593 Feb 14 14:37	0°≈			14595 Sep 21 09:08	0°♌	
	14593 Mar 11 21:18	0°♋		evening max el	14595 Oct 06 10:17	15°♌41'34	46°30'50
	14593 Apr 05 17:08	0°♑			14595 Oct 21 18:58	0°♋	
	14593 Apr 30 05:58	0°♋		desc. node	14595 Oct 24 18:30	2°♋28'59	
desc. node	14593 May 09 08:10	11°♋11'34		greatest brilliancy	14595 Nov 14 21:42	15°♋37'12	-4.8m
	14593 May 24 13:19	0°♒		retrograde	14595 Nov 25 11:23	17°♋41'02	
morning set	14593 Jun 12 18:05	23°♒51'51		evening set	14595 Dec 13 19:43	11°♋22'49	
	14593 Jun 17 16:11	0°♎		inferior conj	14595 Dec 16 21:36	9°♋28'49	-8°52'57
	14593 Jul 11 15:55	0°♏		minimum elong	14595 Dec 16 19:52	9°♋31'31	8°51'53
max. Earth dist.	14593 Jul 21 07:23	12°♏05'12	1.71529 AU	min. Earth dist.	14595 Dec 16 10:20	9°♋46'21	0.28562 AU
				morning rise	14595 Dec 19 20:06	7°♋40'03	
superior conj	14593 Jul 22 14:02	13°♏41'17	-1°16'53	direct	14596 Jan 07 02:29	1°♋24'57	
minimum elong	14593 Jul 23 00:01	14°♏12'35	1°17'28	greatest brilliancy	14596 Jan 17 02:04	3°♋13'13	-4.8m
	14593 Aug 04 14:13	0°♐		asc. node	14596 Feb 14 21:02	22°♋14'53	
	14593 Aug 28 12:40	0°♎			14596 Feb 23 07:23	0°≈	
asc. node	14593 Aug 29 22:00	1°♎44'22		morning max el	14596 Feb 25 01:45	1°≈41'54	45°43'24
evening rise	14593 Aug 31 18:01	4°♎02'08			14596 Mar 23 03:58	0°♋	
	14593 Sep 21 12:33	0°♌			14596 Apr 18 13:12	0°♑	
	14593 Oct 15 15:23	0°♌			14596 May 13 21:31	0°♋	
	14593 Nov 08 23:34	0°♋		desc. node	14596 Jun 05 20:56	27°♋49'02	
	14593 Dec 03 16:49	0°≈			14596 Jun 07 15:49	0°♒	
desc. node	14593 Dec 19 14:10	18°≈56'07			14596 Jul 02 01:00	0°♎	
	14593 Dec 29 00:18	0°♋			14596 Jul 26 04:19	0°♏	
	14594 Jan 24 06:15	0°♑			14596 Aug 19 04:28	0°♐	
	14594 Feb 21 07:55	0°♋		morning set	14596 Aug 26 07:48	8°♐56'06	
evening max el	14594 Feb 28 02:41	6°♋42'47	45°59'05		14596 Sep 12 03:36	0°♎	
	14594 Mar 28 05:05	0°♒		asc. node	14596 Sep 26 12:37	17°♎59'28	
greatest brilliancy	14594 Apr 08 09:26	5°♒36'14	-4.8m				
asc. node	14594 Apr 11 13:28	6°♒33'32		superior conj	14596 Oct 04 19:05	28°♎20'12	0°20'03
retrograde	14594 Apr 18 07:23	7°♒25'21		minimum elong	14596 Oct 04 14:12	28°♎04'56	0°20'12
evening set	14594 May 03 23:19	2°♒39'17			14596 Oct 06 03:00	0°♌	
	14594 May 08 09:13	30°♋♎		max. Earth dist.	14596 Oct 06 06:06	0°♌09'42	1.71800 AU
inferior conj	14594 May 09 08:17	29°♋23'51	6°19'47		14596 Oct 30 03:36	0°♌	
minimum elong	14594 May 08 21:34	29°♋40'39	6°16'33	evening rise	14596 Nov 12 00:34	16°♌01'54	
min. Earth dist.	14594 May 09 07:36	29°♋24'54	0.28019 AU		14596 Nov 23 06:33	0°♋	
morning rise	14594 May 13 19:36	26°♋38'53			14596 Dec 17 13:36	0°≈	
direct	14594 May 30 09:59	21°♋17'06			14597 Jan 11 02:45	0°♋	
greatest brilliancy	14594 Jun 09 13:32	23°♋12'12	-4.8m	desc. node	14597 Jan 16 03:00	6°♋04'34	
	14594 Jun 22 07:43	0°♒			14597 Feb 04 23:33	0°♑	
morning max el	14594 Jul 19 15:49	23°♒40'52	46°50'15		14597 Mar 02 05:32	0°♋	
	14594 Jul 25 20:09	0°♎			14597 Mar 28 00:47	0°♒	
desc. node	14594 Aug 01 16:46	7°♎15'47			14597 Apr 23 22:42	0°♎	
	14594 Aug 22 02:31	0°♏		asc. node	14597 May 08 23:02	15°♎38'30	
	14594 Sep 16 17:40	0°♐		evening max el	14597 May 11 03:43	17°♎49'26	46°22'03
	14594 Oct 11 16:57	0°♎			14597 May 24 04:11	0°♏	
	14594 Nov 05 08:47	0°♌		greatest brilliancy	14597 Jun 20 12:15	17°♏53'14	-4.9m
asc. node	14594 Nov 22 14:22	21°♌05'54		retrograde	14597 Jun 29 23:48	19°♏34'40	
	14594 Nov 29 20:23	0°♌		evening set	14597 Jul 17 09:51	13°♏44'52	
	14594 Dec 24 05:14	0°♋		inferior conj	14597 Jul 20 15:41	11°♏46'36	8°16'12
	14595 Jan 17 12:36	0°≈		minimum elong	14597 Jul 21 00:34	11°♏32'56	8°14'07

min. Earth dist.	14597 Jul 21 06:52	11°♎23'15	0.27319 AU	desc. node	14600 Feb 13 16:57	22°♎21'07	
morning rise	14597 Jul 24 15:09	9°♎22'06			14600 Feb 19 22:48	0°♎	
direct	14597 Aug 10 11:46	3°♎51'25			14600 Mar 16 12:24	0°♎	
greatest brilliancy	14597 Aug 20 16:03	5°♎48'53	-4.9m		14600 Apr 10 04:36	0°♎	
desc. node	14597 Aug 29 02:05	9°♎53'26			14600 May 05 00:39	0°♎	
	14597 Sep 23 06:20	0°♎			14600 May 30 04:55	0°♎	
morning max el	14597 Sep 29 22:15	6°♎29'26	46°49'28	asc. node	14600 Jun 06 09:41	8°♎26'48	
	14597 Oct 22 04:42	0°♎			14600 Jun 25 03:30	0°♎	
	14597 Nov 17 16:17	0°♎			14600 Jul 22 23:45	0°♎	
	14597 Dec 13 05:12	0°♎		evening max el	14600 Jul 24 06:36	1°♎17'33	46°42'46
asc. node	14597 Dec 20 02:30	8°♎12'37			14600 Aug 29 03:29	0°♎	
	14598 Jan 07 05:48	0°♎		greatest brilliancy	14600 Sep 01 20:41	1°♎36'28	-4.9m
	14598 Jan 31 22:47	0°♎		retrograde	14600 Sep 12 11:49	3°♎42'25	
	14598 Feb 25 11:10	0°♎		desc. node	14600 Sep 26 11:04	29°♎51'48	
	14598 Mar 21 20:47	0°♎			14600 Sep 26 04:44	30°♎	
morning set	14598 Mar 29 11:59	9°♎24'22		evening set	14600 Sep 26 23:42	29°♎35'11	
desc. node	14598 Apr 10 20:06	24°♎38'11		inferior conj	14600 Oct 03 07:26	25°♎53'05	-1°46'20
	14598 Apr 15 04:13	0°♎		minimum elong	14600 Oct 03 03:21	25°♎59'20	1°44'40
max. Earth dist.	14598 May 04 12:44	23°♎58'25	1.72469 AU	min. Earth dist.	14600 Oct 02 20:57	26°♎09'07	0.27118 AU
				morning rise	14600 Oct 09 07:31	22°♎22'26	
superior conj	14598 May 07 07:17	27°♎24'56	-0°58'42	direct	14600 Oct 24 02:49	18°♎08'55	
minimum elong	14598 May 06 20:18	26°♎50'51	0°59'06	greatest brilliancy	14600 Nov 02 18:25	19°♎51'34	-4.8m
	14598 May 09 09:13	0°♎			14600 Nov 20 17:31	0°♎	
	14598 Jun 02 11:44	0°♎		morning max el	14600 Dec 12 11:01	18°♎54'15	46°07'23
evening rise	14598 Jun 15 09:39	16°♎06'43			14600 Dec 23 12:31	0°♎	
	14598 Jun 26 12:35	0°♎		asc. node	14601 Jan 17 13:24	27°♎05'59	
	14598 Jul 20 13:22	0°♎			14601 Jan 20 03:17	0°♎	
asc. node	14598 Aug 01 09:31	14°♎44'54			14601 Feb 15 03:32	0°♎	
	14598 Aug 13 16:00	0°♎			14601 Mar 12 09:12	0°♎	
	14598 Sep 06 22:40	0°♎			14601 Apr 06 04:30	0°♎	
	14598 Oct 01 12:55	0°♎			14601 Apr 30 17:02	0°♎	
	14598 Oct 26 17:31	0°♎		desc. node	14601 May 09 09:55	10°♎43'01	
desc. node	14598 Nov 21 04:36	28°♎59'29			14601 May 25 00:15	0°♎	
	14598 Nov 22 02:37	0°♎		morning set	14601 Jun 11 06:07	21°♎25'47	
evening max el	14598 Dec 16 18:50	25°♎40'07	46°04'41		14601 Jun 18 03:05	0°♎	
	14598 Dec 21 08:10	0°♎			14601 Jul 12 02:49	0°♎	
greatest brilliancy	14599 Jan 24 21:32	24°♎13'44	-4.8m	max. Earth dist.	14601 Jul 19 12:39	9°♎17'09	1.71546 AU
retrograde	14599 Feb 03 21:51	26°♎02'38					
evening set	14599 Feb 19 18:45	21°♎10'30		superior conj	14601 Jul 21 01:59	11°♎14'06	-1°18'39
inferior conj	14599 Feb 25 05:55	17°♎51'03	-4°02'54	minimum elong	14601 Jul 21 11:23	11°♎43'35	1°19'18
minimum elong	14599 Feb 25 14:12	17°♎38'03	4°00'18		14601 Aug 05 01:09	0°♎	
min. Earth dist.	14599 Feb 25 13:39	17°♎38'56	0.28578 AU		14601 Aug 28 23:38	0°♎	
morning rise	14599 Mar 03 09:36	14°♎08'54		asc. node	14601 Aug 29 23:51	1°♎15'50	
asc. node	14599 Mar 14 06:13	10°♎02'08		evening rise	14601 Aug 30 06:06	1°♎35'24	
direct	14599 Mar 18 13:55	9°♎39'36			14601 Sep 21 23:36	0°♎	
greatest brilliancy	14599 Mar 29 08:14	11°♎47'49	-4.8m		14601 Oct 16 02:35	0°♎	
	14599 Apr 25 09:52	0°♎			14601 Nov 09 11:06	0°♎	
morning max el	14599 May 07 01:41	10°♎55'28	46°07'49		14601 Dec 04 04:54	0°♎	
	14599 May 25 10:32	0°♎		desc. node	14601 Dec 19 16:03	18°♎24'26	
	14599 Jun 21 01:13	0°♎			14601 Dec 29 13:24	0°♎	
desc. node	14599 Jul 04 08:33	15°♎38'18					
	14599 Jul 16 08:59	0°♎					
	14599 Aug 10 01:16	0°♎					
	14599 Sep 03 09:39	0°♎					
	14599 Sep 27 14:29	0°♎					
	14599 Oct 21 17:55	0°♎					
asc. node	14599 Oct 25 02:48	4°♎11'28					
morning set	14599 Nov 08 01:51	21°♎33'13					
	14599 Nov 14 20:52	0°♎					
	14599 Dec 09 00:05	0°♎					
superior conj	14599 Dec 15 19:14	8°♎26'17	1°25'53				
minimum elong	14599 Dec 15 16:59	8°♎19'18	1°26'54				
max. Earth dist.	14599 Dec 18 04:02	11°♎22'25	1.72677 AU				
	14600 Jan 02 04:46	0°♎					
evening rise	14600 Jan 22 01:05	24°♎30'21					
	14600 Jan 26 12:09	0°♎					