

superior conj	1199 Jun 18 j 03:37	2°♁30'34	0°32'57	asc. node	1201 Nov 18 j 16:49	18°♌19'26	
minimum elong	1199 Jun 17 j 21:25	2°♁11'29	0°32'40	direct	1201 Nov 29 j 07:42	16°♌01'16	
	1199 Jul 10 j 11:33	0°♌		greatest brilliancy	1201 Dec 11 j 22:41	18°♌58'44	-4.7m
evening rise	1199 Jul 23 j 22:08	16°♌34'53			1201 Dec 29 j 01:15	0°♌	
	1199 Aug 03 j 18:54	0°♍		morning max el	1202 Jan 18 j 20:46	19°♌08'41	46°52'51
	1199 Aug 28 j 01:45	0°♎			1202 Jan 29 j 07:19	0°♌	
	1199 Sep 21 j 09:23	0°♏			1202 Feb 25 j 07:22	0°♍	
desc. node	1199 Sep 23 j 11:22	2°♏33'58		desc. node	1202 Mar 10 j 06:28	14°♍58'16	
	1199 Oct 15 j 18:54	0°♐			1202 Mar 23 j 02:22	0°♎	
	1199 Nov 09 j 07:59	0°♑			1202 Apr 17 j 09:12	0°♏	
	1199 Dec 04 j 04:55	0°♒			1202 May 12 j 09:48	0°♐	
	1199 Dec 29 j 20:58	0°♓			1202 Jun 06 j 05:56	0°♑	
asc. node	1200 Jan 14 j 14:30	17°♓26'16			1202 Jun 30 j 21:26	0°♒	
evening max el	1200 Jan 25 j 15:08	28°♓57'01	46°42'28	asc. node	1202 Jul 01 j 09:46	0°♓37'41	
	1200 Jan 26 j 16:12	0°♈		morning set	1202 Jul 19 j 04:10	22°♓25'13	
greatest brilliancy	1200 Mar 01 j 11:35	27°♈43'59	-4.6m		1202 Jul 25 j 07:49	0°♈	
	1200 Mar 07 j 02:24	0°♉			1202 Aug 18 j 13:22	0°♉	
retrograde	1200 Mar 15 j 20:26	1°♉26'31		max. Earth dist.	1202 Aug 21 j 03:00	3°♉11'32	1.72490 AU
	1200 Mar 24 j 06:07	30°♉					
evening set	1200 Apr 01 j 12:15	26°♉01'26		superior conj	1202 Aug 24 j 18:07	7°♉42'27	1°24'40
inferior conj	1200 Apr 06 j 02:39	23°♉10'20	6°11'38	minimum elong	1202 Aug 24 j 17:22	7°♉40'06	1°24'40
minimum elong	1200 Apr 06 j 12:22	22°♉54'56	6°09'37		1202 Sep 11 j 15:27	0°♊	
min. Earth dist.	1200 Apr 06 j 02:11	23°♉11'03	0.28636 AU	evening rise	1202 Oct 01 j 14:29	24°♊55'57	
morning rise	1200 Apr 11 j 12:51	19°♉51'26			1202 Oct 05 j 15:49	0°♊	
direct	1200 Apr 27 j 11:13	14°♉58'15		desc. node	1202 Oct 20 j 23:12	19°♊08'09	
desc. node	1200 May 05 j 03:49	16°♉04'12			1202 Oct 29 j 15:50	0°♋	
greatest brilliancy	1200 May 09 j 15:47	17°♉37'42	-4.5m		1202 Nov 22 j 16:30	0°♌	
	1200 May 29 j 10:15	0°♋			1202 Dec 16 j 19:15	0°♍	
morning max el	1200 Jun 15 j 06:01	14°♋49'14	45°44'06		1203 Jan 10 j 03:06	0°♎	
	1200 Jun 30 j 10:44	0°♌			1203 Feb 03 j 21:49	0°♏	
	1200 Jul 28 j 00:08	0°♍		asc. node	1203 Feb 11 j 02:32	8°♏32'49	
	1200 Aug 22 j 22:06	0°♎			1203 Mar 01 j 13:54	0°♐	
asc. node	1200 Aug 26 j 07:31	4°♎01'11			1203 Mar 29 j 03:21	0°♑	
	1200 Sep 16 j 21:26	0°♏		evening max el	1203 Apr 06 j 11:18	8°♑19'18	45°36'05
	1200 Oct 11 j 06:35	0°♐			1203 May 02 j 07:51	0°♒	
	1200 Nov 04 j 07:37	0°♑		greatest brilliancy	1203 May 10 j 18:16	4°♒48'42	-4.5m
	1200 Nov 28 j 04:58	0°♒		retrograde	1203 May 25 j 06:36	8°♒29'58	
morning set	1200 Dec 13 j 04:43	18°♒51'19		desc. node	1203 Jun 02 j 15:45	7°♒06'14	
desc. node	1200 Dec 15 j 20:44	22°♒12'39		evening set	1203 Jun 09 j 09:45	4°♒05'40	
	1200 Dec 22 j 01:25	0°♓		inferior conj	1203 Jun 15 j 18:45	0°♓17'22	-3°-1'-7
	1201 Jan 14 j 22:32	0°♈		minimum elong	1203 Jun 15 j 12:25	0°♓27'15	2°59'24
				min. Earth dist.	1203 Jun 15 j 18:52	0°♓17'11	0.28983 AU
superior conj	1201 Jan 24 j 00:31	11°♈23'15	-1°-16'-6		1203 Jun 16 j 05:52	30°♈	
minimum elong	1201 Jan 23 j 14:46	10°♈52'41	1°15'54	morning rise	1203 Jun 21 j 14:54	26°♈45'46	
max. Earth dist.	1201 Jan 27 j 20:44	16°♈12'00	1.71540 AU	direct	1203 Jul 07 j 09:50	21°♈59'18	
	1201 Feb 07 j 21:29	0°♉		greatest brilliancy	1203 Jul 21 j 10:44	25°♈24'01	-4.5m
	1201 Mar 03 j 23:31	0°♊			1203 Jul 29 j 18:13	0°♉	
evening rise	1201 Mar 05 j 08:23	1°♊42'01		morning max el	1203 Aug 25 j 13:26	22°♉16'17	46°02'12
	1201 Mar 28 j 05:51	0°♋			1203 Sep 02 j 07:26	0°♊	
asc. node	1201 Apr 08 j 00:20	13°♋13'59		asc. node	1203 Sep 23 j 19:21	23°♊08'36	
	1201 Apr 21 j 17:31	0°♌			1203 Sep 29 j 20:41	0°♋	
	1201 May 16 j 11:36	0°♍			1203 Oct 25 j 09:51	0°♌	
	1201 Jun 10 j 14:05	0°♎			1203 Nov 19 j 01:14	0°♍	
	1201 Jul 06 j 05:24	0°♏			1203 Dec 13 j 06:40	0°♎	
desc. node	1201 Jul 28 j 13:27	25°♏18'22		desc. node	1204 Jan 06 j 08:24	0°♏	
	1201 Aug 01 j 19:30	0°♐			1204 Jan 13 j 08:38	8°♏44'47	
evening max el	1201 Aug 30 j 13:26	0°♑00'45	46°28'48		1204 Jan 30 j 09:33	0°♐	
	1201 Aug 30 j 13:07	0°♒			1204 Feb 23 j 11:38	0°♑	
greatest brilliancy	1201 Oct 08 j 15:22	29°♒13'12	-4.6m	morning set	1204 Feb 28 j 21:28	6°♑43'32	
	1201 Oct 10 j 22:23	0°♓			1204 Mar 18 j 15:39	0°♒	
retrograde	1201 Oct 19 j 07:01	1°♓18'45					
	1201 Oct 27 j 09:01	30°♓		superior conj	1204 Apr 07 j 13:15	24°♓36'32	-1°00'-1
evening set	1201 Nov 03 j 02:15	27°♓03'24		minimum elong	1204 Apr 07 j 23:05	25°♓06'52	0°59'42
inferior conj	1201 Nov 08 j 21:10	23°♓40'39	-2°-30'-59	max. Earth dist.	1204 Apr 10 j 01:54	27°♓43'39	1.73070 AU
minimum elong	1201 Nov 09 j 02:47	23°♓32'07	2°29'14		1204 Apr 11 j 22:07	0°♈	
min. Earth dist.	1201 Nov 09 j 06:07	23°♓27'03	0.26510 AU	asc. node	1204 May 05 j 12:08	29°♈01'47	
morning rise	1201 Nov 15 j 02:50	20°♓02'37			1204 May 06 j 07:06	0°♉	

evening rise	1204 May 14 j 23:34	10° Υ 39'50		1206 Nov 30 j 02:04	0° \mathcal{M}		
	1204 May 30 j 18:10	0° \mathcal{E}		1206 Dec 25 j 18:14	0° \mathcal{A}		
	1204 Jun 24 j 07:09	0° Ω		1207 Jan 19 j 15:31	0° \mathcal{C}		
	1204 Jul 18 j 22:47	0° \mathcal{N}		1207 Feb 09 j 20:38	25° \mathcal{D} 52'40		
	1204 Aug 12 j 18:53	0° \mathcal{L}	desc. node	1207 Feb 13 j 05:29	0° \approx		
desc. node	1204 Aug 25 j 01:26	14° \mathcal{L} 42'03		1207 Mar 09 j 16:55	0° \mathcal{K}		
	1204 Sep 06 j 22:12	0° \mathcal{M}		1207 Apr 03 j 03:55	0° \mathcal{Y}		
	1204 Oct 02 j 13:47	0° \mathcal{A}		1207 Apr 27 j 15:17	0° \mathcal{B}		
	1204 Oct 29 j 07:20	0° \mathcal{C}	morning set	1207 May 10 j 08:36	15° \mathcal{B} 35'30		
evening max el	1204 Nov 11 j 11:40	13° \mathcal{C} 51'50	47°20'35	1207 May 22 j 02:42	0° \mathcal{I}		
	1204 Nov 28 j 12:10	0° \approx		1207 Jun 03 j 00:01	14° \mathcal{I} 35'11		
asc. node	1204 Dec 16 j 04:45	12° \approx 47'42		1207 Jun 14 j 10:26	28° \mathcal{I} 37'37	1.73584 AU	
greatest brilliancy	1204 Dec 19 j 17:05	14° \approx 33'03	-4.7m	1207 Jun 15 j 13:15	0° \mathcal{E}		
retrograde	1205 Jan 01 j 11:44	17° \approx 37'17					
evening set	1205 Jan 17 j 21:48	12° \approx 16'01		superior conj	1207 Jun 15 j 22:06	0° \mathcal{E} 27'12	0°30'03
min. Earth dist.	1205 Jan 21 j 07:25	10° \approx 12'05	0.27203 AU	minimum elong	1207 Jun 15 j 16:22	0° \mathcal{E} 09'35	0°29'47
inferior conj	1205 Jan 22 j 05:56	9° \approx 37'07	7°46'05		1207 Jul 09 j 22:12	0° Ω	
minimum elong	1205 Jan 21 j 21:12	9° \approx 50'41	7°44'47	evening rise	1207 Jul 21 j 16:44	14° Ω 31'02	
morning rise	1205 Jan 25 j 20:56	7° \approx 24'13			1207 Aug 03 j 05:42	0° \mathcal{N}	
direct	1205 Feb 11 j 19:01	1° \approx 49'31			1207 Aug 27 j 12:49	0° \mathcal{L}	
greatest brilliancy	1205 Feb 22 j 10:19	3° \approx 56'04	-4.6m		1207 Sep 20 j 20:50	0° \mathcal{M}	
	1205 Mar 30 j 03:27	0° \mathcal{K}		desc. node	1207 Sep 22 j 13:21	2° \mathcal{M} 04'44	
morning max el	1205 Apr 02 j 08:20	3° \mathcal{K} 05'02	46°13'24		1207 Oct 15 j 06:52	0° \mathcal{A}	
desc. node	1205 Apr 06 j 18:05	7° \mathcal{K} 26'07			1207 Nov 08 j 20:39	0° \mathcal{C}	
	1205 Apr 28 j 05:49	0° \mathcal{Y}			1207 Dec 03 j 18:43	0° \approx	
	1205 May 25 j 01:01	0° \mathcal{B}			1207 Dec 29 j 13:02	0° \mathcal{K}	
	1205 Jun 19 j 21:15	0° \mathcal{I}		asc. node	1208 Jan 13 j 16:42	16° \mathcal{K} 42'06	
	1205 Jul 15 j 03:09	0° \mathcal{E}		evening max el	1208 Jan 23 j 05:31	26° \mathcal{K} 37'32	46°44'49
asc. node	1205 Jul 28 j 21:42	16° \mathcal{E} 37'03			1208 Jan 26 j 14:41	0° \mathcal{Y}	
	1205 Aug 08 j 21:35	0° Ω		greatest brilliancy	1208 Feb 28 j 05:41	25° \mathcal{Y} 33'18	-4.6m
	1205 Sep 02 j 06:31	0° \mathcal{N}		retrograde	1208 Mar 13 j 12:02	29° \mathcal{Y} 13'37	
	1205 Sep 26 j 08:34	0° \mathcal{L}		evening set	1208 Mar 30 j 07:00	23° \mathcal{Y} 44'44	
morning set	1205 Sep 26 j 20:29	0° \mathcal{L} 37'15		inferior conj	1208 Apr 03 j 18:32	20° \mathcal{Y} 57'46	6°25'46
	1205 Oct 20 j 06:41	0° \mathcal{M}		minimum elong	1208 Apr 04 j 04:13	20° \mathcal{Y} 42'26	6°23'52
max. Earth dist.	1205 Nov 04 j 07:28	18° \mathcal{M} 53'57	1.71172 AU	min. Earth dist.	1208 Apr 03 j 17:55	20° \mathcal{Y} 58'44	0.28609 AU
				morning rise	1208 Apr 09 j 01:44	17° \mathcal{Y} 42'47	
superior conj	1205 Nov 05 j 01:09	19° \mathcal{M} 49'35	0°29'05	direct	1208 Apr 25 j 02:15	12° \mathcal{Y} 46'12	
minimum elong	1205 Nov 05 j 08:13	20° \mathcal{M} 11'48	0°28'44	desc. node	1208 May 04 j 05:52	14° \mathcal{Y} 18'05	
	1205 Nov 13 j 03:14	0° \mathcal{A}		greatest brilliancy	1208 May 07 j 05:17	15° \mathcal{Y} 23'33	-4.5m
desc. node	1205 Nov 17 j 11:02	5° \mathcal{A} 26'33			1208 May 29 j 18:39	0° \mathcal{B}	
	1205 Dec 06 j 23:42	0° \mathcal{C}		morning max el	1208 Jun 12 j 20:41	12° \mathcal{B} 36'08	45°44'23
evening rise	1205 Dec 16 j 11:24	11° \mathcal{C} 55'25			1208 Jun 30 j 04:27	0° \mathcal{I}	
	1205 Dec 30 j 21:10	0° \approx			1208 Jul 27 j 14:09	0° \mathcal{E}	
	1206 Jan 23 j 21:09	0° \mathcal{K}			1208 Aug 22 j 10:32	0° Ω	
	1206 Feb 17 j 02:03	0° \mathcal{Y}		asc. node	1208 Aug 25 j 09:33	3° Ω 30'38	
asc. node	1206 Mar 10 j 14:27	26° \mathcal{Y} 19'48			1208 Sep 16 j 09:07	0° \mathcal{N}	
	1206 Mar 13 j 15:04	0° \mathcal{B}			1208 Oct 10 j 17:53	0° \mathcal{L}	
	1206 Apr 07 j 16:23	0° \mathcal{I}			1208 Nov 03 j 18:44	0° \mathcal{M}	
	1206 May 03 j 12:58	0° \mathcal{E}			1208 Nov 27 j 16:00	0° \mathcal{A}	
	1206 May 30 j 21:40	0° Ω		morning set	1208 Dec 10 j 14:33	16° \mathcal{A} 16'40	
evening max el	1206 Jun 16 j 08:05	16° Ω 31'08	45°26'58	desc. node	1208 Dec 14 j 22:54	21° \mathcal{A} 44'53	
desc. node	1206 Jun 30 j 03:43	28° Ω 52'51			1208 Dec 21 j 12:23	0° \mathcal{C}	
	1206 Jul 01 j 12:36	0° \mathcal{N}			1209 Jan 14 j 09:27	0° \approx	
greatest brilliancy	1206 Jul 23 j 03:32	13° \mathcal{N} 37'47	-4.5m				
retrograde	1206 Aug 03 j 22:59	16° \mathcal{N} 04'59		superior conj	1209 Jan 21 j 10:57	8° \approx 51'24	-1°-14'-12
evening set	1206 Aug 21 j 22:20	10° \mathcal{N} 05'24		minimum elong	1209 Jan 21 j 00:36	8° \approx 18'59	1°13'57
inferior conj	1206 Aug 25 j 03:36	8° \mathcal{N} 07'32	-8°-43'-43	max. Earth dist.	1209 Jan 25 j 02:46	13° \approx 26'29	1.71493 AU
minimum elong	1206 Aug 25 j 02:41	8° \mathcal{N} 08'56	8°43'44		1209 Feb 07 j 08:22	0° \mathcal{K}	
min. Earth dist.	1206 Aug 25 j 17:48	7° \mathcal{N} 45'36	0.28299 AU	evening rise	1209 Mar 02 j 20:52	29° \mathcal{K} 18'03	
morning rise	1206 Aug 28 j 06:53	6° \mathcal{N} 12'18			1209 Mar 03 j 10:23	0° \mathcal{Y}	
	1206 Sep 15 j 04:37	30° Ω			1209 Mar 27 j 16:45	0° \mathcal{B}	
direct	1206 Sep 15 j 12:24	29° Ω 59'52		asc. node	1209 Apr 07 j 02:19	12° \mathcal{B} 46'25	
	1206 Sep 15 j 20:11	0° \mathcal{N}			1209 Apr 21 j 04:37	0° \mathcal{I}	
greatest brilliancy	1206 Sep 29 j 20:45	3° \mathcal{N} 42'00	-4.6m		1209 May 15 j 23:07	0° \mathcal{E}	
asc. node	1206 Oct 21 j 07:01	18° \mathcal{N} 48'58			1209 Jun 10 j 02:21	0° Ω	
	1206 Nov 02 j 04:48	0° \mathcal{L}			1209 Jul 05 j 19:02	0° \mathcal{N}	
morning max el	1206 Nov 04 j 23:49	2° \mathcal{L} 48'12	46°44'29	desc. node	1209 Jul 27 j 15:34	24° \mathcal{N} 40'42	

	1209 Aug 01 j 11:53	0°♌			1212 Feb 22 j 22:32	0°♋	
evening max el	1209 Aug 28 j 01:37	27°♌36'46	46°26'21	morning set	1212 Feb 26 j 10:23	4°♋20'44	
	1209 Aug 30 j 13:06	0°♌			1212 Mar 18 j 02:24	0°♍	
greatest brilliancy	1209 Oct 06 j 04:19	26°♌47'21	-4.6m				
retrograde	1209 Oct 16 j 18:51	28°♌52'14		superior conj	1212 Apr 05 j 04:52	22°♍23'30	-1°-2'-25
evening set	1209 Oct 31 j 16:41	24°♌33'25		minimum elong	1212 Apr 05 j 14:46	22°♍54'03	1°02'06
inferior conj	1209 Nov 06 j 09:31	21°♌13'54	-2°-54'-3	max. Earth dist.	1212 Apr 07 j 20:39	25°♍40'22	1.73030 AU
minimum elong	1209 Nov 06 j 15:55	21°♌04'12	2°52'07		1212 Apr 11 j 08:49	0°♎	
min. Earth dist.	1209 Nov 06 j 20:04	20°♌57'53	0.26547 AU	asc. node	1212 May 04 j 14:15	28°♎35'24	
morning rise	1209 Nov 12 j 14:36	17°♌36'45			1212 May 05 j 17:48	0°♏	
asc. node	1209 Nov 17 j 18:55	15°♌14'59		evening rise	1212 May 12 j 17:22	8°♏34'21	
direct	1209 Nov 26 j 20:14	13°♌33'29			1212 May 30 j 04:58	0°♐	
greatest brilliancy	1209 Dec 09 j 14:57	16°♌35'13	-4.7m		1212 Jun 23 j 18:12	0°♑	
	1209 Dec 29 j 13:35	0°♍			1212 Jul 18 j 10:16	0°♒	
morning max el	1210 Jan 16 j 10:30	16°♍44'22	46°53'34		1212 Aug 12 j 07:04	0°♓	
	1210 Jan 29 j 02:37	0°♎		desc. node	1212 Aug 24 j 03:24	14°♓10'05	
	1210 Feb 24 j 22:30	0°♏			1212 Sep 06 j 11:30	0°♌	
desc. node	1210 Mar 09 j 08:25	14°♏23'03			1212 Oct 02 j 04:58	0°♍	
	1210 Mar 22 j 15:35	0°♐			1212 Oct 29 j 02:29	0°♎	
	1210 Apr 16 j 21:21	0°♑		evening max el	1212 Nov 09 j 03:23	11°♎32'29	47°20'17
	1210 May 11 j 21:16	0°♒			1212 Nov 28 j 22:36	0°♏	
	1210 Jun 05 j 16:57	0°♓		asc. node	1212 Dec 15 j 06:54	11°♏10'39	
asc. node	1210 Jun 30 j 08:13	0°♌		greatest brilliancy	1212 Dec 17 j 08:11	12°♏09'35	-4.7m
morning set	1210 Jun 30 j 11:54	0°♍11'15		retrograde	1212 Dec 30 j 02:13	15°♏12'23	
	1210 Jul 16 j 21:43	20°♍18'38		evening set	1213 Jan 15 j 07:42	9°♐57'23	
	1210 Jul 24 j 18:29	0°♎		min. Earth dist.	1213 Jan 18 j 20:25	7°♐48'55	0.27139 AU
	1210 Aug 18 j 00:02	0°♏		inferior conj	1213 Jan 19 j 19:26	7°♐13'11	7°35'08
max. Earth dist.	1210 Aug 18 j 21:27	1°♏06'31	1.72540 AU	minimum elong	1213 Jan 19 j 10:15	7°♐27'27	7°33'38
				morning rise	1213 Jan 23 j 13:13	4°♑56'24	
superior conj	1210 Aug 22 j 10:56	5°♏32'12	1°24'27		1213 Feb 04 j 04:18	30°♑	
minimum elong	1210 Aug 22 j 09:27	5°♏27'36	1°24'27	direct	1213 Feb 09 j 08:39	29°♑26'51	
	1210 Sep 11 j 02:12	0°♐			1213 Feb 14 j 16:09	0°♒	
evening rise	1210 Sep 29 j 04:19	22°♐35'21		greatest brilliancy	1213 Feb 19 j 22:08	1°♒32'11	-4.6m
	1210 Oct 05 j 02:41	0°♑			1213 Mar 30 j 03:10	0°♓	
desc. node	1210 Oct 20 j 01:15	18°♑40'11		morning max el	1213 Mar 30 j 22:37	0°♋47'18	46°14'45
	1210 Oct 29 j 02:53	0°♒		desc. node	1213 Apr 05 j 20:12	6°♋38'45	
	1210 Nov 22 j 03:48	0°♓			1213 Apr 27 j 22:03	0°♌	
	1210 Dec 16 j 06:51	0°♔			1213 May 24 j 14:36	0°♍	
	1211 Jan 09 j 15:11	0°♕			1213 Jun 19 j 09:32	0°♎	
asc. node	1211 Feb 03 j 10:44	0°♖			1213 Jul 14 j 14:43	0°♏	
	1211 Feb 10 j 04:31	7°♖59'25		asc. node	1213 Jul 27 j 23:41	16°♏08'50	
	1211 Mar 01 j 04:35	0°♗			1213 Aug 08 j 08:44	0°♑	
	1211 Mar 28 j 22:44	0°♘			1213 Sep 01 j 17:28	0°♒	
evening max el	1211 Apr 04 j 03:22	6°♘08'57	45°37'47	morning set	1213 Sep 24 j 10:55	28°♒18'13	
	1211 May 03 j 10:27	0°♙			1213 Sep 25 j 19:28	0°♓	
greatest brilliancy	1211 May 08 j 08:46	2°♙38'03	-4.5m		1213 Oct 19 j 17:37	0°♌	
retrograde	1211 May 22 j 23:28	6°♙21'44		max. Earth dist.	1213 Nov 01 j 12:00	16°♌02'46	1.71196 AU
desc. node	1211 Jun 01 j 17:52	4°♙27'52					
evening set	1211 Jun 07 j 01:22	1°♙58'02		superior conj	1213 Nov 02 j 12:21	17°♌19'22	0°32'40
	1211 Jun 10 j 10:56	30°♚		minimum elong	1213 Nov 02 j 20:07	17°♌43'46	0°32'19
inferior conj	1211 Jun 13 j 11:02	28°♚08'37	-2°-42'-28		1213 Nov 12 j 14:15	0°♍	
minimum elong	1211 Jun 13 j 05:17	28°♚17'35	2°40'52	desc. node	1213 Nov 16 j 13:10	4°♍58'34	
min. Earth dist.	1211 Jun 13 j 10:50	28°♚08'55	0.28985 AU		1213 Dec 06 j 10:46	0°♎	
morning rise	1211 Jun 19 j 09:07	24°♚34'36		evening rise	1213 Dec 13 j 21:14	9°♎20'40	
direct	1211 Jul 05 j 02:30	19°♚50'31			1213 Dec 30 j 08:17	0°♏	
greatest brilliancy	1211 Jul 19 j 02:37	23°♚15'03	-4.5m		1214 Jan 23 j 08:20	0°♐	
	1211 Jul 30 j 15:21	0°♛			1214 Feb 16 j 13:25	0°♑	
morning max el	1211 Aug 23 j 06:02	20°♛07'00	46°00'54	asc. node	1214 Mar 09 j 16:28	25°♑50'25	
	1211 Sep 02 j 02:36	0°♜			1214 Mar 13 j 02:49	0°♒	
asc. node	1211 Sep 22 j 21:20	22°♜31'01			1214 Apr 07 j 04:54	0°♓	
	1211 Sep 29 j 11:24	0°♝			1214 May 03 j 03:07	0°♔	
	1211 Oct 24 j 22:49	0°♞			1214 May 30 j 15:40	0°♕	
	1211 Nov 18 j 13:20	0°♟		evening max el	1214 Jun 13 j 22:40	14°♕17'01	45°25'51
	1211 Dec 12 j 18:17	0°♠		desc. node	1214 Jun 29 j 05:49	27°♕51'25	
	1212 Jan 05 j 19:42	0°♡			1214 Jul 01 j 22:58	0°♖	
desc. node	1212 Jan 12 j 10:46	8°♡16'25		greatest brilliancy	1214 Jul 20 j 16:34	11°♖22'02	-4.5m
	1212 Jan 29 j 20:37	0°♢		retrograde	1214 Aug 01 j 12:41	13°♖50'17	

evening set	1214 Aug 19 j 11:27	7° \mathbb{M} 52'52		minimum elong	1217 Jan 18 j 10:22	5° \approx 44'10	1°11'51
inferior conj	1214 Aug 22 j 18:27	5° \mathbb{M} 52'17	-8°-41'-53	max. Earth dist.	1217 Jan 22 j 07:20	10° \approx 35'32	1.71451 AU
minimum elong	1214 Aug 22 j 16:42	5° \mathbb{M} 55'00	8°41'52		1217 Feb 06 j 19:32	0° \mathbb{H}	
min. Earth dist.	1214 Aug 23 j 08:07	5° \mathbb{M} 31'09	0.28351 AU	evening rise	1217 Feb 28 j 09:20	26° \mathbb{H} 53'11	
morning rise	1214 Aug 25 j 21:45	3° \mathbb{M} 56'48			1217 Mar 02 j 21:31	0° \mathbb{V}	
	1214 Sep 02 j 10:54	30° Ω			1217 Mar 27 j 03:56	0° \mathbb{B}	
direct	1214 Sep 13 j 03:31	27° Ω 43'53		asc. node	1217 Apr 06 j 04:29	12° \mathbb{B} 18'35	
	1214 Sep 24 j 06:10	0° \mathbb{M}			1217 Apr 20 j 15:57	0° \mathbb{I}	
greatest brilliancy	1214 Sep 27 j 12:05	1° \mathbb{M} 25'12	-4.6m		1217 May 15 j 10:52	0° \mathbb{S}	
asc. node	1214 Oct 20 j 09:11	17° \mathbb{M} 48'02			1217 Jun 09 j 14:53	0° Ω	
	1214 Nov 02 j 03:33	0° \mathbb{L}			1217 Jul 05 j 09:00	0° \mathbb{M}	
morning max el	1214 Nov 02 j 12:58	0° \mathbb{L} 23'47	46°43'10	desc. node	1217 Jul 26 j 17:28	24° \mathbb{M} 01'20	
	1214 Nov 29 j 18:23	0° \mathbb{M}			1217 Aug 01 j 04:52	0° \mathbb{L}	
	1214 Dec 25 j 08:14	0° \mathbb{Z}		evening max el	1217 Aug 25 j 14:25	25° \mathbb{L} 13'31	46°23'44
	1215 Jan 19 j 04:20	0° \mathbb{B}			1217 Aug 30 j 14:46	0° \mathbb{M}	
desc. node	1215 Feb 08 j 22:30	25° \mathbb{B} 21'14		greatest brilliancy	1217 Oct 03 j 16:21	24° \mathbb{M} 19'19	-4.6m
	1215 Feb 12 j 17:33	0° \approx		retrograde	1217 Oct 14 j 07:07	26° \mathbb{M} 24'19	
	1215 Mar 09 j 04:28	0° \mathbb{H}		evening set	1217 Oct 29 j 07:10	22° \mathbb{M} 01'47	
	1215 Apr 02 j 15:06	0° \mathbb{V}		inferior conj	1217 Nov 03 j 21:44	18° \mathbb{M} 45'32	-3°-16'-52
	1215 Apr 27 j 02:11	0° \mathbb{B}		minimum elong	1217 Nov 04 j 04:52	18° \mathbb{M} 34'44	3°14'44
morning set	1215 May 08 j 02:32	13° \mathbb{B} 30'15		min. Earth dist.	1217 Nov 04 j 09:33	18° \mathbb{M} 27'38	0.26589 AU
	1215 May 21 j 13:27	0° \mathbb{I}		morning rise	1217 Nov 10 j 02:00	15° \mathbb{M} 09'48	
asc. node	1215 Jun 02 j 02:07	14° \mathbb{I} 08'42		asc. node	1217 Nov 16 j 20:59	12° \mathbb{M} 14'28	
max. Earth dist.	1215 Jun 12 j 06:05	26° \mathbb{I} 37'37	1.73597 AU	direct	1217 Nov 24 j 09:14	11° \mathbb{M} 04'13	
				greatest brilliancy	1217 Dec 07 j 06:36	14° \mathbb{M} 09'38	-4.7m
superior conj	1215 Jun 13 j 16:46	28° \mathbb{I} 24'09	0°27'07		1217 Dec 29 j 23:18	0° \mathbb{Z}	
minimum elong	1215 Jun 13 j 11:31	28° \mathbb{I} 08'02	0°26'52	morning max el	1218 Jan 14 j 00:49	14° \mathbb{Z} 20'25	46°54'17
	1215 Jun 14 j 23:58	0° \mathbb{S}			1218 Jan 28 j 21:49	0° \mathbb{B}	
	1215 Jul 09 j 08:59	0° Ω			1218 Feb 24 j 13:46	0° \approx	
evening rise	1215 Jul 19 j 11:23	12° Ω 27'02		desc. node	1218 Mar 08 j 10:30	13° \approx 47'33	
	1215 Aug 02 j 16:41	0° \mathbb{M}			1218 Mar 22 j 05:03	0° \mathbb{H}	
	1215 Aug 27 j 00:05	0° \mathbb{L}			1218 Apr 16 j 09:45	0° \mathbb{V}	
	1215 Sep 20 j 08:28	0° \mathbb{M}			1218 May 11 j 09:00	0° \mathbb{B}	
desc. node	1215 Sep 21 j 15:23	1° \mathbb{M} 35'04			1218 Jun 05 j 04:15	0° \mathbb{I}	
	1215 Oct 14 j 19:02	0° \mathbb{Z}		asc. node	1218 Jun 29 j 13:54	29° \mathbb{I} 43'40	
	1215 Nov 08 j 09:34	0° \mathbb{B}			1218 Jun 29 j 19:15	0° \mathbb{S}	
	1215 Dec 03 j 08:52	0° \approx		morning set	1218 Jul 14 j 15:44	18° \mathbb{S} 12'48	
	1215 Dec 29 j 05:35	0° \mathbb{H}			1218 Jul 24 j 05:24	0° Ω	
asc. node	1216 Jan 12 j 18:41	15° \mathbb{H} 56'11		max. Earth dist.	1218 Aug 16 j 16:31	29° Ω 02'40	1.72593 AU
evening max el	1216 Jan 20 j 19:21	24° \mathbb{H} 15'55	46°47'13		1218 Aug 17 j 10:59	0° \mathbb{M}	
	1216 Jan 26 j 14:23	0° \mathbb{V}					
greatest brilliancy	1216 Feb 25 j 23:11	23° \mathbb{V} 21'18	-4.6m	superior conj	1218 Aug 20 j 04:05	3° \mathbb{M} 22'17	1°24'07
retrograde	1216 Mar 11 j 03:49	27° \mathbb{V} 00'41		minimum elong	1218 Aug 20 j 01:55	3° \mathbb{M} 15'33	1°24'07
evening set	1216 Mar 28 j 01:51	21° \mathbb{V} 27'42			1218 Sep 10 j 13:15	0° \mathbb{L}	
inferior conj	1216 Apr 01 j 10:33	18° \mathbb{V} 45'08	6°39'20	evening rise	1218 Sep 26 j 18:20	20° \mathbb{L} 14'19	
minimum elong	1216 Apr 01 j 20:08	18° \mathbb{V} 29'56	6°37'32		1218 Oct 04 j 13:55	0° \mathbb{M}	
min. Earth dist.	1216 Apr 01 j 09:49	18° \mathbb{V} 46'17	0.28578 AU	desc. node	1218 Oct 19 j 03:24	18° \mathbb{M} 11'21	
morning rise	1216 Apr 06 j 14:41	15° \mathbb{V} 34'25			1218 Oct 28 j 14:21	0° \mathbb{Z}	
direct	1216 Apr 22 j 17:07	10° \mathbb{V} 33'57			1218 Nov 21 j 15:31	0° \mathbb{B}	
desc. node	1216 May 03 j 07:57	12° \mathbb{V} 35'50			1218 Dec 15 j 18:54	0° \approx	
greatest brilliancy	1216 May 04 j 19:39	13° \mathbb{V} 10'22	-4.5m		1219 Jan 09 j 03:41	0° \mathbb{H}	
	1216 May 30 j 00:41	0° \mathbb{B}			1219 Feb 03 j 00:08	0° \mathbb{V}	
morning max el	1216 Jun 10 j 11:39	10° \mathbb{B} 23'31	45°44'43	asc. node	1219 Feb 09 j 06:31	7° \mathbb{V} 24'50	
	1216 Jun 29 j 21:51	0° \mathbb{I}			1219 Feb 28 j 19:51	0° \mathbb{B}	
	1216 Jul 27 j 04:11	0° \mathbb{S}			1219 Mar 28 j 19:07	0° \mathbb{I}	
	1216 Aug 21 j 23:09	0° Ω		evening max el	1219 Apr 01 j 20:01	3° \mathbb{I} 59'00	45°39'34
asc. node	1216 Aug 24 j 11:32	2° Ω 59'21			1219 May 05 j 01:21	0° \mathbb{S}	
	1216 Sep 15 j 21:02	0° \mathbb{M}		greatest brilliancy	1219 May 06 j 00:51	0° \mathbb{S} 28'42	-4.5m
	1216 Oct 10 j 05:27	0° \mathbb{L}		retrograde	1219 May 20 j 16:29	4° \mathbb{S} 12'52	
	1216 Nov 03 j 06:07	0° \mathbb{M}		desc. node	1219 May 31 j 19:56	1° \mathbb{S} 45'04	
	1216 Nov 27 j 03:16	0° \mathbb{Z}			1219 Jun 04 j 09:57	30° \mathbb{I}	
morning set	1216 Dec 08 j 00:22	13° \mathbb{Z} 41'11		evening set	1219 Jun 04 j 17:22	29° \mathbb{I} 49'56	
desc. node	1216 Dec 14 j 00:55	21° \mathbb{Z} 15'54		inferior conj	1219 Jun 11 j 03:28	25° \mathbb{I} 59'28	-2°-23'-38
	1216 Dec 20 j 23:35	0° \mathbb{B}		minimum elong	1219 Jun 10 j 22:20	26° \mathbb{I} 07'29	2°22'11
	1217 Jan 13 j 20:38	0° \approx		min. Earth dist.	1219 Jun 11 j 02:56	26° \mathbb{I} 00'18	0.28980 AU
				morning rise	1219 Jun 17 j 03:21	22° \mathbb{I} 23'06	
superior conj	1217 Jan 18 j 21:15	6° \approx 18'16	-1°-12'-8	direct	1219 Jul 02 j 19:27	17° \mathbb{I} 41'37	

greatest brilliancy	1219 Jul 16 j 17:21	21°II04'16	-4.5m			1222 Jan 22 j 19:47	0°✠	
	1219 Jul 31 j 07:14	0°☉				1222 Feb 16 j 01:05	0°♃	
morning max el	1219 Aug 20 j 22:16	17°☉56'32	45°59'36	asc. node		1222 Mar 08 j 18:36	25°♃20'32	
	1219 Sep 01 j 21:25	0°♁				1222 Mar 12 j 14:53	0°♄	
asc. node	1219 Sep 21 j 23:31	21°♁53'48				1222 Apr 06 j 17:47	0°♂	
	1219 Sep 29 j 02:07	0°♃				1222 May 02 j 17:40	0°☉	
	1219 Oct 24 j 11:57	0°♅				1222 May 30 j 10:23	0°♁	
	1219 Nov 18 j 01:43	0°♆		evening max el		1222 Jun 11 j 12:27	12°♁00'27	45°24'57
	1219 Dec 12 j 06:15	0°♇		desc. node		1222 Jun 28 j 07:45	26°♁47'40	
	1220 Jan 05 j 07:25	0°♈				1222 Jul 02 j 13:09	0°♃	
desc. node	1220 Jan 11 j 12:45	7°♈46'19		greatest brilliancy		1222 Jul 18 j 05:08	9°♃05'31	-4.5m
	1220 Jan 29 j 08:05	0°♄		retrograde		1222 Jul 30 j 02:41	11°♃35'47	
	1220 Feb 22 j 09:47	0°✠		evening set		1222 Aug 17 j 00:20	5°♃40'42	
morning set	1220 Feb 23 j 22:49	1°✠55'10		inferior conj		1222 Aug 20 j 09:24	3°♃37'07	-8°-39'-20
	1220 Mar 17 j 13:30	0°♃		minimum elong		1222 Aug 20 j 06:49	3°♃41'07	8°39'15
				min. Earth dist.		1222 Aug 20 j 22:38	3°♃16'38	0.28398 AU
superior conj	1220 Apr 02 j 20:08	20°♃08'19	-1°-4'-44	morning rise		1222 Aug 23 j 13:05	1°♃40'58	
minimum elong	1220 Apr 03 j 06:01	20°♃38'50	1°04'26			1222 Aug 26 j 10:47	30°♁	
max. Earth dist.	1220 Apr 05 j 16:58	23°♃40'51	1.72984 AU	direct		1222 Sep 10 j 18:22	25°♁27'52	
	1220 Apr 10 j 19:50	0°♄		greatest brilliancy		1222 Sep 25 j 04:25	29°♁09'54	-4.6m
asc. node	1220 May 03 j 16:20	28°♄07'54				1222 Sep 26 j 20:11	0°♃	
	1220 May 05 j 04:49	0°♂		asc. node		1222 Oct 19 j 11:11	16°♃48'17	
evening rise	1220 May 10 j 11:02	6°♂27'28		morning max el		1222 Oct 31 j 02:28	28°♃00'30	46°42'04
	1220 May 29 j 16:05	0°☉				1222 Nov 02 j 01:23	0°♅	
	1220 Jun 23 j 05:32	0°♁				1222 Nov 29 j 10:23	0°♆	
	1220 Jul 17 j 22:01	0°♃				1222 Dec 24 j 22:04	0°♇	
	1220 Aug 11 j 19:31	0°♅				1223 Jan 18 j 17:03	0°♈	
desc. node	1220 Aug 23 j 05:31	13°♅37'58		desc. node		1223 Feb 08 j 00:38	24°♈50'31	
	1220 Sep 06 j 01:06	0°♆				1223 Feb 12 j 05:37	0°♄	
	1220 Oct 01 j 20:34	0°♇				1223 Mar 08 j 16:05	0°✠	
	1220 Oct 28 j 22:30	0°♈				1223 Apr 02 j 02:23	0°♃	
evening max el	1220 Nov 06 j 18:26	9°♈10'24	47°19'28			1223 Apr 26 j 13:14	0°♄	
	1220 Nov 29 j 13:17	0°♄		morning set		1223 May 05 j 19:52	11°♄22'41	
asc. node	1220 Dec 14 j 08:51	9°♄27'52				1223 May 21 j 00:19	0°♂	
greatest brilliancy	1220 Dec 14 j 23:56	9°♄45'02	-4.7m	asc. node		1223 Jun 01 j 04:05	13°♂41'31	
retrograde	1220 Dec 27 j 15:55	12°♄44'55		max. Earth dist.		1223 Jun 10 j 01:57	24°♂38'06	1.73606 AU
evening set	1221 Jan 12 j 17:15	7°♄36'32						
min. Earth dist.	1221 Jan 16 j 09:33	5°♄22'45	0.27079 AU	superior conj		1223 Jun 11 j 10:58	26°♂19'31	0°24'07
inferior conj	1221 Jan 17 j 08:36	4°♄46'56	7°23'01	minimum elong		1223 Jun 11 j 06:14	26°♂04'59	0°23'54
minimum elong	1221 Jan 16 j 23:03	5°♄01'47	7°21'22			1223 Jun 14 j 10:45	0°☉	
morning rise	1221 Jan 21 j 05:19	2°♄25'50				1223 Jul 08 j 19:49	0°♁	
	1221 Jan 25 j 18:27	30°♈		evening rise		1223 Jul 17 j 05:54	10°♁22'34	
direct	1221 Feb 06 j 21:41	27°♈01'50				1223 Aug 02 j 03:42	0°♃	
greatest brilliancy	1221 Feb 17 j 10:25	29°♈06'28	-4.6m			1223 Aug 26 j 11:22	0°♅	
	1221 Feb 19 j 14:52	0°♄				1223 Sep 19 j 20:08	0°♆	
morning max el	1221 Mar 28 j 11:39	28°♄24'51	46°16'14	desc. node		1223 Sep 20 j 17:31	1°♆05'43	
	1221 Mar 30 j 02:26	0°✠				1223 Oct 14 j 07:11	0°♇	
desc. node	1221 Apr 04 j 22:20	5°✠50'54				1223 Nov 07 j 22:27	0°♈	
	1221 Apr 27 j 14:23	0°♃				1223 Dec 02 j 22:57	0°♄	
	1221 May 24 j 04:22	0°♄				1223 Dec 28 j 22:14	0°✠	
	1221 Jun 18 j 22:01	0°♂		asc. node		1224 Jan 11 j 20:42	15°✠10'16	
	1221 Jul 14 j 02:28	0°☉		evening max el		1224 Jan 18 j 09:07	21°✠54'35	46°49'28
asc. node	1221 Jul 27 j 01:42	15°☉40'07				1224 Jan 26 j 15:01	0°♃	
	1221 Aug 07 j 20:04	0°♁		greatest brilliancy		1224 Feb 23 j 15:21	21°♃07'29	-4.6m
	1221 Sep 01 j 04:34	0°♃		retrograde		1224 Mar 08 j 19:43	24°♃47'28	
morning set	1221 Sep 22 j 01:56	26°♃00'39		evening set		1224 Mar 25 j 20:30	19°♃10'01	
	1221 Sep 25 j 06:30	0°♅		inferior conj		1224 Mar 30 j 02:24	16°♃31'54	6°52'21
	1221 Oct 19 j 04:40	0°♆		minimum elong		1224 Mar 30 j 11:51	16°♃16'57	6°50'39
max. Earth dist.	1221 Oct 29 j 17:25	13°♆14'11	1.71225 AU	min. Earth dist.		1224 Mar 30 j 01:19	16°♃33'37	0.28554 AU
				morning rise		1224 Apr 04 j 03:24	13°♃25'51	
superior conj	1221 Oct 31 j 00:16	14°♆51'10	0°36'09	direct		1224 Apr 20 j 07:59	8°♃20'58	
minimum elong	1221 Oct 31 j 08:39	15°♆17'31	0°35'46	greatest brilliancy		1224 May 02 j 10:38	10°♃57'31	-4.5m
	1221 Nov 12 j 01:21	0°♇		desc. node		1224 May 02 j 09:59	10°♃56'52	
desc. node	1221 Nov 15 j 15:11	4°♇29'56				1224 May 30 j 04:52	0°♄	
	1221 Dec 05 j 21:58	0°♈		morning max el		1224 Jun 08 j 03:17	8°♄12'19	45°45'07
evening rise	1221 Dec 11 j 07:21	6°♈46'26				1224 Jun 29 j 14:54	0°♂	
	1221 Dec 29 j 19:34	0°♄				1224 Jul 26 j 18:02	0°☉	

	1224 Aug 21 j 11:35	0°♁		evening max el	1227 Mar 30 j 12:33	1°♁50'06	45°41'19
asc. node	1224 Aug 23 j 13:43	2°♁29'06		greatest brilliancy	1227 May 03 j 17:32	28°♁21'27	-4.5m
	1224 Sep 15 j 08:47	0°♁			1227 May 07 j 14:29	0°♁	
	1224 Oct 09 j 16:50	0°♁		retrograde	1227 May 18 j 09:05	2°♁05'12	
	1224 Nov 02 j 17:19	0°♁			1227 May 28 j 15:09	30°♁	
	1224 Nov 26 j 14:20	0°♁		desc. node	1227 May 30 j 21:54	28°♁59'39	
morning set	1224 Dec 05 j 10:37	11°♁07'39		evening set	1227 Jun 02 j 09:36	27°♁42'58	
desc. node	1224 Dec 13 j 02:55	20°♁47'30		inferior conj	1227 Jun 08 j 19:57	23°♁51'38	-2°-4'-32
	1224 Dec 20 j 10:35	0°♁		minimum elong	1227 Jun 08 j 15:28	23°♁58'39	2°03'17
	1225 Jan 13 j 07:33	0°♁		min. Earth dist.	1227 Jun 08 j 19:18	23°♁52'40	0.28978 AU
				morning rise	1227 Jun 14 j 21:26	20°♁12'49	
superior conj	1225 Jan 16 j 07:47	3°♁46'35	-1°-9'-55	direct	1227 Jun 30 j 12:23	15°♁33'59	
minimum elong	1225 Jan 15 j 20:28	3°♁11'06	1°09'37	greatest brilliancy	1227 Jul 14 j 07:37	18°♁53'49	-4.5m
max. Earth dist.	1225 Jan 19 j 13:58	7°♁51'46	1.71409 AU		1227 Jul 31 j 18:39	0°♁	
	1225 Feb 06 j 06:24	0°♁		morning max el	1227 Aug 18 j 13:46	15°♁45'05	45°58'15
evening rise	1225 Feb 25 j 22:01	24°♁29'46			1227 Sep 01 j 15:29	0°♁	
	1225 Mar 02 j 08:22	0°♁		asc. node	1227 Sep 21 j 01:31	21°♁17'10	
	1225 Mar 26 j 14:52	0°♁			1227 Sep 28 j 16:24	0°♁	
asc. node	1225 Apr 05 j 06:29	11°♁50'57			1227 Oct 24 j 00:42	0°♁	
	1225 Apr 20 j 03:08	0°♁			1227 Nov 17 j 13:43	0°♁	
	1225 May 14 j 22:30	0°♁			1227 Dec 11 j 17:50	0°♁	
	1225 Jun 09 j 03:20	0°♁			1228 Jan 04 j 18:43	0°♁	
	1225 Jul 04 j 22:58	0°♁		desc. node	1228 Jan 10 j 14:49	7°♁17'42	
desc. node	1225 Jul 25 j 19:38	23°♁22'48			1228 Jan 28 j 19:09	0°♁	
	1225 Jul 31 j 22:01	0°♁		morning set	1228 Feb 21 j 11:13	29°♁30'38	
evening max el	1225 Aug 23 j 03:59	22°♁52'56	46°21'14		1228 Feb 21 j 20:40	0°♁	
	1225 Aug 30 j 17:35	0°♁			1228 Mar 17 j 00:13	0°♁	
greatest brilliancy	1225 Oct 01 j 03:54	21°♁51'46	-4.6m				
retrograde	1225 Oct 11 j 19:37	23°♁57'04		superior conj	1228 Mar 31 j 11:33	17°♁54'44	-1°-6'-56
evening set	1225 Oct 26 j 21:48	19°♁30'50		minimum elong	1228 Mar 31 j 21:21	18°♁25'01	1°06'39
inferior conj	1225 Nov 01 j 09:52	16°♁17'48	-3°-39'-21	max. Earth dist.	1228 Apr 03 j 13:52	21°♁44'21	1.72933 AU
minimum elong	1225 Nov 01 j 17:41	16°♁05'58	3°37'03		1228 Apr 10 j 06:27	0°♁	
min. Earth dist.	1225 Nov 01 j 22:37	15°♁58'30	0.26631 AU	asc. node	1228 May 02 j 18:18	27°♁41'26	
morning rise	1225 Nov 07 j 13:04	12°♁43'48			1228 May 04 j 15:25	0°♁	
asc. node	1225 Nov 15 j 23:00	9°♁20'25		evening rise	1228 May 08 j 04:49	4°♁22'10	
direct	1225 Nov 21 j 22:32	8°♁35'50			1228 May 29 j 02:48	0°♁	
greatest brilliancy	1225 Dec 04 j 21:15	11°♁43'33	-4.7m		1228 Jun 22 j 16:31	0°♁	
	1225 Dec 30 j 06:04	0°♁			1228 Jul 17 j 09:30	0°♁	
morning max el	1226 Jan 11 j 15:21	11°♁57'54	46°55'02		1228 Aug 11 j 07:45	0°♁	
	1226 Jan 28 j 16:08	0°♁		desc. node	1228 Aug 22 j 07:35	13°♁06'23	
	1226 Feb 24 j 04:27	0°♁			1228 Sep 05 j 14:33	0°♁	
desc. node	1226 Mar 07 j 12:38	13°♁13'33			1228 Oct 01 j 12:08	0°♁	
	1226 Mar 21 j 18:00	0°♁			1228 Oct 28 j 18:49	0°♁	
	1226 Apr 15 j 21:42	0°♁		evening max el	1228 Nov 04 j 08:23	6°♁46'26	47°18'43
	1226 May 10 j 20:20	0°♁			1228 Nov 30 j 08:16	0°♁	
	1226 Jun 04 j 15:13	0°♁		greatest brilliancy	1228 Dec 12 j 16:23	7°♁22'12	-4.7m
asc. node	1226 Jun 28 j 15:57	29°♁17'01		asc. node	1228 Dec 13 j 10:56	7°♁42'14	
	1226 Jun 29 j 06:00	0°♁		retrograde	1228 Dec 25 j 05:07	10°♁18'25	
morning set	1226 Jul 12 j 09:32	16°♁07'12		evening set	1229 Jan 10 j 02:51	5°♁16'34	
	1226 Jul 23 j 16:04	0°♁		min. Earth dist.	1229 Jan 13 j 23:06	2°♁57'05	0.27017 AU
max. Earth dist.	1226 Aug 14 j 09:31	26°♁53'20	1.72642 AU	inferior conj	1229 Jan 14 j 21:48	2°♁21'47	7°10'03
	1226 Aug 16 j 21:39	0°♁		minimum elong	1229 Jan 14 j 11:56	2°♁37'08	7°08'13
				morning rise	1229 Jan 18 j 21:28	29°♁56'15	
superior conj	1226 Aug 17 j 21:04	1°♁12'42	1°23'40		1229 Jan 18 j 18:54	30°♁	
minimum elong	1226 Aug 17 j 18:12	1°♁03'50	1°23'38	direct	1229 Feb 04 j 10:11	24°♁37'44	
	1226 Sep 10 j 00:00	0°♁		greatest brilliancy	1229 Feb 14 j 23:40	26°♁42'42	-4.6m
evening rise	1226 Sep 24 j 08:14	17°♁53'52			1229 Feb 21 j 22:27	0°♁	
	1226 Oct 04 j 00:50	0°♁		morning max el	1229 Mar 26 j 00:00	26°♁01'39	46°17'51
desc. node	1226 Oct 18 j 05:22	17°♁42'54			1229 Mar 30 j 00:18	0°♁	
	1226 Oct 28 j 01:31	0°♁		desc. node	1229 Apr 04 j 00:16	5°♁04'27	
	1226 Nov 21 j 02:57	0°♁			1229 Apr 27 j 06:02	0°♁	
	1226 Dec 15 j 06:38	0°♁			1229 May 23 j 17:36	0°♁	
	1227 Jan 08 j 15:53	0°♁			1229 Jun 18 j 10:01	0°♁	
	1227 Feb 02 j 13:12	0°♁			1229 Jul 13 j 13:47	0°♁	
asc. node	1227 Feb 08 j 08:43	6°♁51'55		asc. node	1229 Jul 26 j 03:52	15°♁13'00	
	1227 Feb 28 j 10:51	0°♁			1229 Aug 07 j 07:01	0°♁	
	1227 Mar 28 j 15:38	0°♁			1229 Aug 31 j 15:23	0°♁	

morning set	1229 Sep 19 j 16:47	23° Υ 43'21		evening set	1232 Mar 23 j 15:06	16° Υ 52'02	
	1229 Sep 24 j 17:18	0° $\underline{\text{A}}$		inferior conj	1232 Mar 27 j 18:10	14° Υ 18'19	7°04'44
	1229 Oct 18 j 15:32	0° \mathbb{M}		minimum elong	1232 Mar 28 j 03:26	14° Υ 03'41	7°03'09
max. Earth dist.	1229 Oct 26 j 23:28	10° \mathbb{M} 28'12	1.71258 AU	min. Earth dist.	1232 Mar 27 j 16:19	14° Υ 21'14	0.28523 AU
superior conj	1229 Oct 28 j 11:58	12° \mathbb{M} 22'53	0°39'35	morning rise	1232 Apr 01 j 15:59	11° Υ 17'15	
minimum elong	1229 Oct 28 j 20:53	12° \mathbb{M} 50'57	0°39'10	direct	1232 Apr 17 j 23:09	6° Υ 07'47	
	1229 Nov 11 j 12:16	0° Z		greatest brilliancy	1232 Apr 30 j 00:47	8° Υ 43'48	-4.5m
desc. node	1229 Nov 14 j 17:13	4° Z 01'56		desc. node	1232 May 01 j 12:03	9° Υ 21'25	
	1229 Dec 05 j 08:56	0° Z			1232 May 30 j 07:19	0° B	
evening rise	1229 Dec 08 j 17:09	4° Z 11'57		morning max el	1232 Jun 05 j 19:44	6° B 03'19	45°45'35
	1229 Dec 29 j 06:37	0° \approx			1232 Jun 29 j 07:31	0° II	
	1230 Jan 22 j 06:57	0° H			1232 Jul 26 j 07:40	0° E	
	1230 Feb 15 j 12:29	0° Υ			1232 Aug 20 j 23:54	0° Ω	
asc. node	1230 Mar 07 j 20:36	24° Υ 51'03		asc. node	1232 Aug 22 j 15:40	1° Ω 58'29	
	1230 Mar 12 j 02:43	0° B			1232 Sep 14 j 20:25	0° \mathbb{M}	
	1230 Apr 06 j 06:25	0° II			1232 Oct 09 j 04:09	0° $\underline{\text{A}}$	
	1230 May 02 j 08:02	0° E			1232 Nov 02 j 04:28	0° \mathbb{M}	
	1230 May 30 j 05:10	0° Ω			1232 Nov 26 j 01:27	0° Z	
evening max el	1230 Jun 09 j 02:18	9° Ω 45'23	45°24'15	morning set	1232 Dec 02 j 20:56	8° Z 34'11	
desc. node	1230 Jun 27 j 09:55	25° Ω 44'00		desc. node	1232 Dec 12 j 05:04	20° Z 19'19	
	1230 Jul 03 j 07:20	0° \mathbb{M}			1232 Dec 19 j 21:41	0° Z	
greatest brilliancy	1230 Jul 15 j 16:32	6° \mathbb{M} 49'13	-4.5m		1233 Jan 12 j 18:38	0° \approx	
retrograde	1230 Jul 27 j 17:17	9° \mathbb{M} 23'08		superior conj	1233 Jan 13 j 17:44	1° \approx 12'30	-1°-7'-32
evening set	1230 Aug 14 j 13:00	3° \mathbb{M} 30'33		minimum elong	1233 Jan 13 j 06:06	0° \approx 36'00	1°07'12
inferior conj	1230 Aug 18 j 00:32	1° \mathbb{M} 23'28	-8°-35'-48	max. Earth dist.	1233 Jan 16 j 21:16	5° \approx 09'27	1.71374 AU
minimum elong	1230 Aug 17 j 21:09	1° \mathbb{M} 28'42	8°35'39		1233 Feb 05 j 17:26	0° H	
min. Earth dist.	1230 Aug 18 j 13:07	1° \mathbb{M} 04'01	0.28451 AU	evening rise	1233 Feb 23 j 10:05	22° H 03'49	
	1230 Aug 20 j 06:42	30° Ω			1233 Mar 01 j 19:24	0° Υ	
morning rise	1230 Aug 21 j 05:03	29° Ω 26'08			1233 Mar 26 j 01:58	0° B	
direct	1230 Sep 08 j 09:32	23° Ω 13'15		asc. node	1233 Apr 04 j 08:30	11° B 22'53	
greatest brilliancy	1230 Sep 22 j 21:38	26° Ω 57'07	-4.6m		1233 Apr 19 j 14:27	0° II	
	1230 Sep 28 j 10:20	0° \mathbb{M}			1233 May 14 j 10:17	0° E	
asc. node	1230 Oct 18 j 13:12	15° \mathbb{M} 50'31			1233 Jun 08 j 15:58	0° Ω	
morning max el	1230 Oct 28 j 17:01	25° \mathbb{M} 40'30	46°40'44		1233 Jul 04 j 13:10	0° \mathbb{M}	
	1230 Nov 01 j 22:17	0° $\underline{\text{A}}$		desc. node	1233 Jul 24 j 21:44	22° \mathbb{M} 43'34	
	1230 Nov 29 j 02:03	0° \mathbb{M}			1233 Jul 31 j 15:34	0° $\underline{\text{A}}$	
	1230 Dec 24 j 11:43	0° Z		evening max el	1233 Aug 20 j 18:27	20° $\underline{\text{A}}$ 34'49	46°18'46
	1231 Jan 18 j 05:38	0° Z			1233 Aug 30 j 22:00	0° \mathbb{M}	
desc. node	1231 Feb 07 j 02:47	24° Z 20'16		greatest brilliancy	1233 Sep 28 j 16:07	19° \mathbb{M} 25'59	-4.6m
	1231 Feb 11 j 17:31	0° \approx		retrograde	1233 Oct 09 j 08:18	21° \mathbb{M} 30'49	
	1231 Mar 08 j 03:31	0° H		evening set	1233 Oct 24 j 12:57	17° \mathbb{M} 01'06	
	1231 Apr 01 j 13:28	0° Υ		inferior conj	1233 Oct 29 j 22:22	13° \mathbb{M} 51'17	-4°00'-58
	1231 Apr 26 j 00:04	0° B		minimum elong	1233 Oct 30 j 06:47	13° \mathbb{M} 38'30	3°58'33
morning set	1231 May 03 j 13:17	9° B 15'50		min. Earth dist.	1233 Oct 30 j 11:54	13° \mathbb{M} 30'45	0.26675 AU
	1231 May 20 j 10:59	0° II		morning rise	1233 Nov 05 j 00:13	10° \mathbb{M} 19'01	
asc. node	1231 May 31 j 06:12	13° II 15'19		asc. node	1233 Nov 15 j 01:04	6° \mathbb{M} 33'31	
max. Earth dist.	1231 Jun 07 j 23:11	22° II 43'19	1.73612 AU	direct	1233 Nov 19 j 12:13	6° \mathbb{M} 08'47	
superior conj	1231 Jun 09 j 05:26	24° II 16'14	0°21'06	greatest brilliancy	1233 Dec 02 j 11:14	9° \mathbb{M} 17'07	-4.7m
minimum elong	1231 Jun 09 j 01:15	24° II 03'23	0°20'54		1233 Dec 30 j 10:49	0° Z	
	1231 Jun 13 j 21:21	0° E		morning max el	1234 Jan 09 j 05:32	9° Z 34'09	46°55'21
	1231 Jul 08 j 06:29	0° Ω			1234 Jan 28 j 10:14	0° Z	
evening rise	1231 Jul 15 j 00:52	8° Ω 20'12			1234 Feb 23 j 19:15	0° \approx	
	1231 Aug 01 j 14:31	0° \mathbb{M}		desc. node	1234 Mar 06 j 14:34	12° \approx 38'12	
	1231 Aug 25 j 22:30	0° $\underline{\text{A}}$			1234 Mar 21 j 07:10	0° H	
	1231 Sep 19 j 07:41	0° \mathbb{M}			1234 Apr 15 j 09:55	0° Υ	
desc. node	1231 Sep 19 j 19:31	0° \mathbb{M} 36'19			1234 May 10 j 07:55	0° B	
	1231 Oct 13 j 19:19	0° Z			1234 Jun 04 j 02:24	0° II	
	1231 Nov 07 j 11:24	0° Z		asc. node	1234 Jun 27 j 18:04	28° II 49'58	
	1231 Dec 02 j 13:16	0° \approx			1234 Jun 28 j 16:58	0° E	
	1231 Dec 28 j 15:19	0° H		morning set	1234 Jul 10 j 03:27	14° E 01'25	
asc. node	1232 Jan 10 j 22:52	14° H 23'47			1234 Jul 23 j 02:56	0° Ω	
evening max el	1232 Jan 15 j 23:44	19° H 35'04	46°51'54	max. Earth dist.	1234 Aug 12 j 00:59	24° Ω 38'45	1.72690 AU
	1232 Jan 26 j 17:06	0° Υ		superior conj	1234 Aug 15 j 14:25	29° Ω 03'48	1°23'05
greatest brilliancy	1232 Feb 21 j 07:22	18° Υ 53'12	-4.6m	minimum elong	1234 Aug 15 j 10:54	28° Ω 52'54	1°23'04
retrograde	1232 Mar 06 j 12:12	22° Υ 34'00			1234 Aug 16 j 08:31	0° \mathbb{M}	

	1234 Sep 09 j 10:58	0°♁		morning max el	1237 Mar 23 j 12:32	23°≈37'54	46°19'23
evening rise	1234 Sep 21 j 22:41	15°♁34'37			1237 Mar 29 j 21:41	0°♃	
	1234 Oct 03 j 11:58	0°♄		desc. node	1237 Apr 03 j 02:25	4°♃18'25	
desc. node	1234 Oct 17 j 07:26	17°♄14'16			1237 Apr 26 j 21:47	0°♅	
	1234 Oct 27 j 12:51	0°♆			1237 May 23 j 07:08	0°♄	
	1234 Nov 20 j 14:33	0°♇			1237 Jun 17 j 22:24	0°♁	
	1234 Dec 14 j 18:34	0°≈			1237 Jul 13 j 01:29	0°♈	
	1235 Jan 08 j 04:23	0°♃		asc. node	1237 Jul 25 j 05:52	14°♈44'09	
	1235 Feb 02 j 02:42	0°♅			1237 Aug 06 j 18:20	0°♁	
asc. node	1235 Feb 07 j 10:39	6°♅17'02			1237 Aug 31 j 02:32	0°♃	
	1235 Feb 28 j 02:30	0°♄		morning set	1237 Sep 17 j 07:44	21°♃25'26	
evening max el	1235 Mar 28 j 04:34	29°♄38'22	45°43'05		1237 Sep 24 j 04:25	0°♁	
	1235 Mar 28 j 13:27	0°♁			1237 Oct 18 j 02:41	0°♄	
greatest brilliancy	1235 May 01 j 10:43	26°♁13'20	-4.5m	max. Earth dist.	1237 Oct 24 j 08:53	7°♄51'51	1.71293 AU
retrograde	1235 May 16 j 01:13	29°♁56'12					
desc. node	1235 May 30 j 00:02	26°♁09'01		superior conj	1237 Oct 25 j 23:50	9°♄54'14	0°42'54
evening set	1235 May 31 j 01:57	25°♁34'29		minimum elong	1237 Oct 26 j 09:14	10°♄23'47	0°42'29
inferior conj	1235 Jun 06 j 12:25	21°♁42'42	-1°-45'-21		1237 Nov 10 j 23:30	0°♆	
minimum elong	1235 Jun 06 j 08:36	21°♁48'41	1°44'16	desc. node	1237 Nov 13 j 19:22	3°♆33'21	
min. Earth dist.	1235 Jun 06 j 12:00	21°♁43'22	0.28972 AU		1237 Dec 04 j 20:14	0°♇	
morning rise	1235 Jun 12 j 15:21	18°♁01'28		evening rise	1237 Dec 06 j 03:12	1°♇37'15	
direct	1235 Jun 28 j 04:48	13°♁25'16			1237 Dec 28 j 18:00	0°≈	
greatest brilliancy	1235 Jul 11 j 21:43	16°♁42'05	-4.5m		1238 Jan 21 j 18:27	0°♃	
	1235 Aug 01 j 03:30	0°♈			1238 Feb 15 j 00:12	0°♅	
morning max el	1235 Aug 16 j 04:31	13°♈30'58	45°57'01	asc. node	1238 Mar 06 j 22:38	24°♅20'45	
	1235 Sep 01 j 09:25	0°♁			1238 Mar 11 j 14:51	0°♄	
asc. node	1235 Sep 20 j 03:31	20°♁39'56			1238 Apr 05 j 19:27	0°♁	
	1235 Sep 28 j 06:48	0°♃			1238 May 01 j 22:58	0°♈	
	1235 Oct 23 j 13:39	0°♁			1238 May 30 j 01:01	0°♁	
	1235 Nov 17 j 01:56	0°♄		evening max el	1238 Jun 06 j 17:00	7°♁31'09	45°23'34
	1235 Dec 11 j 05:39	0°♆		desc. node	1238 Jun 26 j 11:59	24°♁37'02	
desc. node	1236 Jan 04 j 06:14	0°♇			1238 Jul 04 j 09:06	0°♃	
	1236 Jan 09 j 16:56	6°♇48'29		greatest brilliancy	1238 Jul 13 j 03:09	4°♃30'46	-4.5m
	1236 Jan 28 j 06:27	0°≈		retrograde	1238 Jul 25 j 08:21	7°♃09'09	
morning set	1236 Feb 18 j 23:33	27°≈04'54		evening set	1238 Aug 12 j 01:21	1°♃19'29	
	1236 Feb 21 j 07:48	0°♃			1238 Aug 14 j 06:08	30°♁	
	1236 Mar 16 j 11:15	0°♅		inferior conj	1238 Aug 15 j 15:35	29°♁08'32	-8°-31'-29
				minimum elong	1238 Aug 15 j 11:26	29°♁14'56	8°31'16
superior conj	1236 Mar 29 j 02:44	15°♅39'18	-1°-9'-3	min. Earth dist.	1238 Aug 16 j 03:14	28°♁50'32	0.28499 AU
minimum elong	1236 Mar 29 j 12:24	16°♅09'10	1°08'48	morning rise	1238 Aug 18 j 21:16	27°♁09'36	
max. Earth dist.	1236 Apr 01 j 08:40	19°♅40'09	1.72885 AU	direct	1238 Sep 06 j 01:03	20°♁57'31	
	1236 Apr 09 j 17:26	0°♄		greatest brilliancy	1238 Sep 20 j 14:35	24°♁43'09	-4.6m
asc. node	1236 May 01 j 20:26	27°♄14'12			1238 Sep 29 j 13:34	0°♃	
	1236 May 04 j 02:25	0°♁		asc. node	1238 Oct 17 j 15:23	14°♃53'28	
evening rise	1236 May 05 j 22:08	2°♁14'13		morning max el	1238 Oct 26 j 08:24	23°♃22'00	46°39'25
	1236 May 28 j 13:54	0°♈			1238 Nov 01 j 18:49	0°♁	
	1236 Jun 22 j 03:53	0°♁			1238 Nov 28 j 17:45	0°♄	
	1236 Jul 16 j 21:21	0°♃			1238 Dec 24 j 01:29	0°♆	
	1236 Aug 10 j 20:24	0°♁			1239 Jan 17 j 18:23	0°♇	
desc. node	1236 Aug 21 j 09:33	12°♁33'22		desc. node	1239 Feb 06 j 04:41	23°♇48'36	
	1236 Sep 05 j 04:27	0°♄			1239 Feb 11 j 05:38	0°≈	
	1236 Oct 01 j 04:16	0°♆			1239 Mar 07 j 15:10	0°♃	
	1236 Oct 28 j 16:09	0°♇			1239 Apr 01 j 00:47	0°♅	
evening max el	1236 Nov 01 j 21:45	4°♇20'09	47°17'56		1239 Apr 25 j 11:07	0°♄	
	1236 Dec 01 j 10:27	0°≈		morning set	1239 May 01 j 06:47	7°♄08'31	
greatest brilliancy	1236 Dec 10 j 08:46	4°≈58'31	-4.7m		1239 May 19 j 21:53	0°♁	
asc. node	1236 Dec 12 j 13:04	5°≈51'52		asc. node	1239 May 30 j 08:18	12°♁48'21	
retrograde	1236 Dec 22 j 18:13	7°≈51'37		max. Earth dist.	1239 Jun 05 j 22:06	20°♁52'50	1.73622 AU
evening set	1237 Jan 07 j 12:36	2°≈55'51					
min. Earth dist.	1237 Jan 11 j 12:59	0°≈30'42	0.26959 AU	superior conj	1239 Jun 06 j 23:51	22°♁11'57	0°18'03
inferior conj	1237 Jan 12 j 11:07	29°♇56'18	6°56'17	minimum elong	1239 Jun 06 j 20:14	22°♁00'50	0°17'52
minimum elong	1237 Jan 12 j 01:00	0°≈12'01	6°54'17		1239 Jun 13 j 08:14	0°♈	
	1237 Jan 12 j 08:44	30°♇			1239 Jul 07 j 17:27	0°♁	
morning rise	1237 Jan 16 j 13:48	27°♇26'21		evening rise	1239 Jul 12 j 19:45	6°♁16'39	
direct	1237 Feb 01 j 22:25	22°♇13'02			1239 Aug 01 j 01:41	0°♃	
greatest brilliancy	1237 Feb 12 j 13:47	24°♇19'22	-4.6m		1239 Aug 25 j 09:56	0°♁	
	1237 Feb 23 j 10:48	0°≈			1239 Sep 18 j 19:32	0°♄	

retrograde	1244 Dec 20 j 07:14	5°≈24'36		max. Earth dist.	1247 Jun 03 j 21:57	19°II06'17	1.73624 AU
evening set	1245 Jan 04 j 22:05	0°≈34'21					
	1245 Jan 05 j 21:52	30°☾		superior conj	1247 Jun 04 j 17:58	20°II07'47	0°14'57
min. Earth dist.	1245 Jan 09 j 02:36	28°☾03'41	0.26906 AU	minimum elong	1247 Jun 04 j 14:57	19°II58'29	0°14'48
inferior conj	1245 Jan 10 j 00:08	27°☾30'19	6°41'27	behind sun begin	1247 Jun 04 j 06:58	19°II33'59	
minimum elong	1245 Jan 09 j 13:51	27°☾46'16	6°39'17	behind sun end	1247 Jun 04 j 22:55	20°II23'00	
morning rise	1245 Jan 14 j 05:59	24°☾56'00			1247 Jun 12 j 18:46	0°☾	
direct	1245 Jan 30 j 10:18	19°☾47'35			1247 Jul 07 j 04:04	0°♁	
greatest brilliancy	1245 Feb 10 j 04:12	21°☾56'08	-4.6m	evening rise	1247 Jul 10 j 14:33	4°♁13'58	
	1245 Feb 24 j 12:32	0°≈			1247 Jul 31 j 12:30	0°♁	
morning max el	1245 Mar 21 j 01:48	21°≈16'16	46°21'05		1247 Aug 24 j 21:04	0°♁	
	1245 Mar 29 j 18:09	0°✠		desc. node	1247 Sep 17 j 23:42	29°♁37'22	
desc. node	1245 Apr 02 j 04:31	3°✠33'26			1247 Sep 18 j 07:04	0°♁	
	1245 Apr 26 j 13:04	0°☿			1247 Oct 12 j 19:51	0°♁	
	1245 May 22 j 20:15	0°♁			1247 Nov 06 j 13:38	0°☾	
	1245 Jun 17 j 10:23	0°II			1247 Dec 01 j 18:20	0°≈	
	1245 Jul 12 j 12:50	0°☾			1247 Dec 28 j 02:32	0°✠	
asc. node	1245 Jul 24 j 07:53	14°☾16'24		asc. node	1248 Jan 09 j 02:54	12°✠47'44	
	1245 Aug 06 j 05:20	0°♁		evening max el	1248 Jan 11 j 07:32	15°✠02'20	46°56'19
	1245 Aug 30 j 13:21	0°♁			1248 Jan 27 j 02:14	0°☿	
morning set	1245 Sep 14 j 23:04	19°♁09'52		greatest brilliancy	1248 Feb 16 j 16:50	14°☿25'59	-4.6m
	1245 Sep 23 j 15:12	0°♁		retrograde	1248 Mar 01 j 21:21	18°☿05'30	
	1245 Oct 17 j 13:29	0°♁		evening set	1248 Mar 19 j 04:03	12°☿15'21	
max. Earth dist.	1245 Oct 21 j 20:52	5°♁24'45	1.71326 AU	inferior conj	1248 Mar 23 j 01:28	9°☿49'55	7°27'48
				minimum elong	1248 Mar 23 j 10:09	9°☿36'13	7°26'29
superior conj	1245 Oct 23 j 12:08	7°♁28'05	0°46'05	min. Earth dist.	1248 Mar 22 j 21:30	9°☿56'12	0.28458 AU
minimum elong	1245 Oct 23 j 21:56	7°♁58'52	0°45'41	morning rise	1248 Mar 27 j 16:34	6°☿59'03	
	1245 Nov 10 j 10:21	0°♁		direct	1248 Apr 13 j 06:16	1°☿40'50	
desc. node	1245 Nov 12 j 21:22	3°♁05'30		greatest brilliancy	1248 Apr 25 j 01:52	4°☿12'03	-4.5m
evening rise	1245 Dec 03 j 13:31	29°♁04'33		desc. node	1248 Apr 29 j 16:09	6°☿19'46	
	1245 Dec 04 j 07:10	0°☾			1248 May 30 j 08:17	0°♁	
	1245 Dec 28 j 05:04	0°≈		morning max el	1248 Jun 01 j 04:25	1°♁44'39	45°46'28
	1246 Jan 21 j 05:41	0°✠			1248 Jun 28 j 15:54	0°II	
	1246 Feb 14 j 11:40	0°☿			1248 Jul 25 j 10:39	0°☾	
asc. node	1246 Mar 06 j 00:47	23°☿51'34			1248 Aug 20 j 00:26	0°♁	
	1246 Mar 11 j 02:46	0°♁		asc. node	1248 Aug 20 j 19:53	0°♁58'04	
	1246 Apr 05 j 08:16	0°II			1248 Sep 13 j 19:45	0°♁	
	1246 May 01 j 13:45	0°☾			1248 Oct 08 j 02:51	0°♁	
	1246 May 29 j 21:04	0°♁			1248 Nov 01 j 02:50	0°♁	
evening max el	1246 Jun 04 j 08:30	5°♁20'05	45°23'04		1248 Nov 24 j 23:39	0°♁	
desc. node	1246 Jun 25 j 13:56	23°♁29'07		morning set	1248 Nov 27 j 17:51	3°♁28'15	
	1246 Jul 05 j 20:33	0°♁		desc. node	1248 Dec 10 j 09:06	19°♁22'21	
greatest brilliancy	1246 Jul 10 j 13:54	2°♁13'52	-4.5m		1248 Dec 18 j 19:46	0°☾	
retrograde	1246 Jul 22 j 23:39	4°♁56'25					
	1246 Aug 08 j 02:58	30°♁		superior conj	1249 Jan 08 j 13:40	26°☾04'38	-1°-2'-20
evening set	1246 Aug 09 j 13:36	29°♁10'06		minimum elong	1249 Jan 08 j 01:42	25°☾27'06	1°01'56
inferior conj	1246 Aug 13 j 06:41	26°♁54'52	-8°-26'-30		1249 Jan 11 j 16:38	0°≈	
minimum elong	1246 Aug 13 j 01:48	27°♁02'24	8°26'10	max. Earth dist.	1249 Jan 11 j 17:13	0°≈01'48	1.71299 AU
min. Earth dist.	1246 Aug 13 j 17:07	26°♁38'44	0.28544 AU		1249 Feb 04 j 15:22	0°✠	
morning rise	1246 Aug 16 j 13:47	24°♁53'54		evening rise	1249 Feb 18 j 10:14	17°✠12'04	
direct	1246 Sep 03 j 17:04	18°♁43'15			1249 Feb 28 j 17:19	0°☿	
greatest brilliancy	1246 Sep 18 j 06:40	22°♁29'26	-4.6m		1249 Mar 25 j 00:04	0°♁	
	1246 Sep 30 j 08:53	0°♁		asc. node	1249 Apr 02 j 12:40	10°♁27'35	
asc. node	1246 Oct 16 j 17:21	13°♁58'17			1249 Apr 18 j 13:03	0°II	
morning max el	1246 Oct 24 j 00:23	21°♁06'26	46°38'08		1249 May 13 j 09:49	0°☾	
	1246 Nov 01 j 14:15	0°♁			1249 Jun 07 j 17:16	0°♁	
	1246 Nov 28 j 08:46	0°♁			1249 Jul 03 j 17:51	0°♁	
	1246 Dec 23 j 14:43	0°♁		desc. node	1249 Jul 23 j 01:50	21°♁23'44	
	1247 Jan 17 j 06:39	0°☾			1249 Jul 31 j 03:51	0°♁	
desc. node	1247 Feb 05 j 06:49	23°☾18'51		evening max el	1249 Aug 15 j 21:52	15°♁54'56	46°13'24
	1247 Feb 10 j 17:19	0°≈			1249 Aug 31 j 13:25	0°♁	
	1247 Mar 07 j 02:28	0°✠		greatest brilliancy	1249 Sep 23 j 18:46	14°♁36'31	-4.6m
	1247 Mar 31 j 11:46	0°☿		retrograde	1249 Oct 04 j 07:38	16°♁37'36	
	1247 Apr 24 j 21:51	0°♁		evening set	1249 Oct 19 j 19:22	12°♁00'39	
morning set	1247 Apr 29 j 00:01	5°♁01'15		inferior conj	1249 Oct 24 j 23:13	8°♁58'01	-4°-42'-44
	1247 May 19 j 08:28	0°II		minimum elong	1249 Oct 25 j 08:37	8°♁43'40	4°40'11
asc. node	1247 May 29 j 10:16	12°II21'59		min. Earth dist.	1249 Oct 25 j 15:12	8°♁33'40	0.26771 AU

morning rise	1249 Oct 30 j 21:24	5°♌29'41		1252 May 27 j 11:45	0°♁	
asc. node	1249 Nov 13 j 05:10	1°♌16'23		1252 Jun 21 j 02:18	0°♈	
direct	1249 Nov 14 j 14:18	1°♌14'03		1252 Jul 15 j 20:46	0°♎	
greatest brilliancy	1249 Nov 27 j 16:16	4°♌24'48	-4.7m	1252 Aug 09 j 21:27	0°♊	
	1249 Dec 30 j 15:28	0°♌		desc. node	1252 Aug 19 j 13:44	11°♉29'04
morning max el	1250 Jan 04 j 07:08	4°♌39'15	46°56'14		1252 Sep 04 j 08:10	0°♌
	1250 Jan 27 j 21:06	0°♌			1252 Sep 30 j 12:53	0°♌
	1250 Feb 23 j 00:02	0°♌		evening max el	1252 Oct 27 j 23:55	29°♌27'31 47°15'58
desc. node	1250 Mar 04 j 18:48	11°♌30'08			1252 Oct 28 j 12:49	0°♌
	1250 Mar 20 j 08:54	0°♌			1252 Dec 05 j 08:31	0°♌
	1250 Apr 14 j 09:50	0°♌		greatest brilliancy	1252 Dec 05 j 14:09	0°♌06'12 -4.7m
	1250 May 09 j 06:42	0°♌		asc. node	1252 Dec 10 j 17:07	1°♌56'24
	1250 Jun 03 j 00:28	0°♌		retrograde	1252 Dec 17 j 20:34	2°♌56'48
asc. node	1250 Jun 25 j 22:09	27°♌56'12			1252 Dec 29 j 20:19	30°♌
	1250 Jun 27 j 14:36	0°♌		evening set	1253 Jan 02 j 07:34	28°♌11'34
morning set	1250 Jul 05 j 15:32	9°♌51'27		min. Earth dist.	1253 Jan 06 j 15:52	25°♌35'58 0.26855 AU
	1250 Jul 22 j 00:23	0°♌		inferior conj	1253 Jan 07 j 13:01	25°♌03'19 6°25'39
max. Earth dist.	1250 Aug 07 j 09:36	20°♌15'51	1.72793 AU	minimum elong	1253 Jan 07 j 02:39	25°♌19'20 6°23'22
				morning rise	1253 Jan 11 j 22:06	22°♌24'44
superior conj	1250 Aug 11 j 01:28	24°♌48'11	1°21'35	direct	1253 Jan 27 j 22:32	17°♌21'01
minimum elong	1250 Aug 10 j 20:45	24°♌33'32	1°21'30	greatest brilliancy	1253 Feb 07 j 18:12	19°♌31'38 -4.6m
	1250 Aug 15 j 05:59	0°♌			1253 Feb 25 j 07:49	0°♌
	1250 Sep 08 j 08:41	0°♌		morning max el	1253 Mar 18 j 15:57	18°♌56'02 46°22'44
evening rise	1250 Sep 17 j 03:52	10°♌58'00			1253 Mar 29 j 14:15	0°♌
	1250 Oct 02 j 10:05	0°♌		desc. node	1253 Apr 01 j 06:28	2°♌47'58
desc. node	1250 Oct 15 j 11:31	16°♌17'17			1253 Apr 26 j 04:21	0°♌
	1250 Oct 26 j 11:28	0°♌			1253 May 22 j 09:29	0°♌
	1250 Nov 19 j 13:44	0°♌			1253 Jun 16 j 22:30	0°♌
	1250 Dec 13 j 18:28	0°♌			1253 Jul 12 j 00:19	0°♌
	1251 Jan 07 j 05:23	0°♌		asc. node	1253 Jul 23 j 10:04	13°♌48'37
	1251 Feb 01 j 05:46	0°♌			1253 Aug 05 j 16:29	0°♌
asc. node	1251 Feb 05 j 14:53	5°♌08'30			1253 Aug 30 j 00:23	0°♌
	1251 Feb 27 j 10:10	0°♌		morning set	1253 Sep 12 j 14:28	16°♌53'54
evening max el	1251 Mar 23 j 10:11	25°♌09'57	45°46'55		1253 Sep 23 j 02:13	0°♌
	1251 Mar 28 j 11:19	0°♌			1253 Oct 17 j 00:34	0°♌
greatest brilliancy	1251 Apr 26 j 18:35	21°♌55'04	-4.5m	max. Earth dist.	1253 Oct 19 j 07:54	2°♌53'44 1.71362 AU
retrograde	1251 May 11 j 09:26	25°♌40'15				
evening set	1251 May 26 j 11:09	21°♌17'55		superior conj	1253 Oct 21 j 00:23	5°♌00'53 0°49'13
desc. node	1251 May 28 j 04:03	20°♌20'14		minimum elong	1253 Oct 21 j 10:29	5°♌32'37 0°48'48
inferior conj	1251 Jun 01 j 21:32	17°♌26'34	-1°-6'-33		1253 Nov 09 j 21:30	0°♌
minimum elong	1251 Jun 01 j 19:06	17°♌30'23	1°05'51	desc. node	1253 Nov 11 j 23:24	2°♌36'46
min. Earth dist.	1251 Jun 01 j 22:11	17°♌25'33	0.28962 AU	evening rise	1253 Nov 30 j 23:35	26°♌30'08
morning rise	1251 Jun 08 j 02:58	13°♌41'14			1253 Dec 03 j 18:25	0°♌
direct	1251 Jun 23 j 12:34	9°♌08'59			1253 Dec 27 j 16:25	0°♌
greatest brilliancy	1251 Jul 07 j 04:38	12°♌23'22	-4.5m		1254 Jan 20 j 17:11	0°♌
	1251 Aug 01 j 13:39	0°♌		asc. node	1254 Feb 13 j 23:27	0°♌
morning max el	1251 Aug 11 j 10:17	9°♌04'53	45°54'53		1254 Mar 05 j 02:45	23°♌20'48
	1251 Aug 31 j 19:39	0°♌			1254 Mar 10 j 15:02	0°♌
asc. node	1251 Sep 18 j 07:41	19°♌28'05			1254 Apr 04 j 21:31	0°♌
	1251 Sep 27 j 10:44	0°♌			1254 May 01 j 05:05	0°♌
	1251 Oct 22 j 14:57	0°♌			1254 May 29 j 18:10	0°♌
	1251 Nov 16 j 01:57	0°♌		evening max el	1254 Jun 02 j 00:40	3°♌09'47 45°22'40
	1251 Dec 10 j 04:56	0°♌		desc. node	1254 Jun 24 j 16:06	22°♌19'02
	1252 Jan 03 j 05:01	0°♌		greatest brilliancy	1254 Jul 08 j 01:44	29°♌57'51 -4.5m
desc. node	1252 Jan 07 j 21:00	5°♌50'12			1254 Jul 08 j 03:49	0°♌
	1252 Jan 27 j 04:50	0°♌		retrograde	1254 Jul 20 j 14:54	2°♌43'20
morning set	1252 Feb 13 j 22:53	22°♌09'39			1254 Aug 01 j 09:58	30°♌
	1252 Feb 20 j 05:50	0°♌		evening set	1254 Aug 07 j 01:53	27°♌00'55
	1252 Mar 15 j 09:02	0°♌		inferior conj	1254 Aug 10 j 21:56	24°♌41'02 -8°-20'-47
				minimum elong	1254 Aug 10 j 16:23	24°♌49'37 8°20'20
superior conj	1252 Mar 24 j 08:34	11°♌07'41	-1°-12'-59	min. Earth dist.	1254 Aug 11 j 07:06	24°♌26'52 0.28585 AU
minimum elong	1252 Mar 24 j 17:44	11°♌36'03	1°12'45	morning rise	1254 Aug 14 j 06:42	22°♌37'31
max. Earth dist.	1252 Mar 27 j 16:50	15°♌15'57	1.72777 AU	direct	1254 Sep 01 j 09:31	16°♌29'04
	1252 Apr 08 j 15:03	0°♌		greatest brilliancy	1254 Sep 15 j 21:39	20°♌13'54 -4.6m
asc. node	1252 Apr 30 j 00:30	26°♌20'22			1254 Sep 30 j 23:33	0°♌
evening rise	1252 May 01 j 08:37	27°♌59'01		asc. node	1254 Oct 15 j 19:24	13°♌03'29
	1252 May 03 j 00:02	0°♌		morning max el	1254 Oct 21 j 15:50	18°♌48'48 46°36'33

	1254 Nov 01 j 09:32	0°♌			1257 Apr 18 j 00:39	0°♈		
	1254 Nov 28 j 00:01	0°♍			1257 May 12 j 21:56	0°♎		
	1254 Dec 23 j 04:17	0°♎			1257 Jun 07 j 06:20	0°♏		
	1255 Jan 16 j 19:19	0°♏			1257 Jul 03 j 08:46	0°♐		
desc. node	1255 Feb 04 j 08:57	22°♏47'53		desc. node	1257 Jul 22 j 03:53	20°♐42'23		
	1255 Feb 10 j 05:23	0°♐			1257 Jul 30 j 22:59	0°♑		
	1255 Mar 06 j 14:06	0°♑		evening max el	1257 Aug 13 j 10:23	13°♑31'42	46°10'54	
	1255 Mar 30 j 23:05	0°♒			1257 Sep 01 j 01:38	0°♒		
	1255 Apr 24 j 08:57	0°♓		greatest brilliancy	1257 Sep 21 j 08:23	12°♒12'20	-4.6m	
morning set	1255 Apr 26 j 17:03	2°♓52'11		retrograde	1257 Oct 01 j 19:12	14°♒11'52		
	1255 May 18 j 19:26	0°♈		evening set	1257 Oct 17 j 10:54	9°♒30'39		
asc. node	1255 May 28 j 12:23	11°♈54'51		inferior conj	1257 Oct 22 j 11:54	6°♒32'06	-5°-2'-30	
max. Earth dist.	1255 Jun 01 j 20:55	17°♈15'46	1.73621 AU	minimum elong	1257 Oct 22 j 21:43	6°♒17'10	4°59'55	
				min. Earth dist.	1257 Oct 23 j 05:17	6°♒05'38	0.26823 AU	
superior conj	1255 Jun 02 j 12:03	18°♈02'16	0°11'49	morning rise	1257 Oct 28 j 07:56	3°♒06'18		
minimum elong	1255 Jun 02 j 09:38	17°♈54'52	0°11'43		1257 Nov 04 j 10:03	30°♑		
behind sun begin	1255 Jun 01 j 18:20	17°♈07'52		direct	1257 Nov 12 j 02:59	28°♑47'04		
behind sun end	1255 Jun 03 j 00:56	18°♈41'51		asc. node	1257 Nov 12 j 07:15	28°♑47'06		
	1255 Jun 12 j 05:42	0°♒			1257 Nov 20 j 01:39	0°♒		
	1255 Jul 06 j 15:03	0°♓		greatest brilliancy	1257 Nov 25 j 08:12	2°♒00'43	-4.7m	
evening rise	1255 Jul 08 j 09:26	2°♓10'26			1257 Dec 30 j 15:56	0°♑		
	1255 Jul 30 j 23:40	0°♑		morning max el	1258 Jan 01 j 19:43	2°♑10'41	46°56'31	
	1255 Aug 24 j 08:31	0°♑			1258 Jan 27 j 14:10	0°♒		
desc. node	1255 Sep 17 j 01:40	29°♑06'58			1258 Feb 22 j 14:26	0°♒		
	1255 Sep 17 j 18:59	0°♒		desc. node	1258 Mar 03 j 20:43	10°♒55'02		
	1255 Oct 12 j 08:24	0°♑			1258 Mar 19 j 21:54	0°♑		
	1255 Nov 06 j 03:08	0°♒			1258 Apr 13 j 21:59	0°♑		
	1255 Dec 01 j 09:25	0°♑			1258 May 08 j 18:18	0°♑		
	1255 Dec 27 j 21:06	0°♑			1258 Jun 02 j 11:42	0°♑		
asc. node	1256 Jan 08 j 05:04	11°♑57'50		asc. node	1258 Jun 25 j 00:14	27°♑28'50		
evening max el	1256 Jan 08 j 23:20	12°♑44'22	46°58'22		1258 Jun 27 j 01:37	0°♑		
	1256 Jan 27 j 10:32	0°♑		morning set	1258 Jul 03 j 09:18	7°♑44'56		
greatest brilliancy	1256 Feb 14 j 10:51	12°♑12'35	-4.6m		1258 Jul 21 j 11:19	0°♑		
retrograde	1256 Feb 28 j 13:13	15°♑49'18		max. Earth dist.	1258 Aug 05 j 03:53	18°♑09'51	1.72844 AU	
evening set	1256 Mar 16 j 22:18	9°♑55'36						
inferior conj	1256 Mar 20 j 16:56	7°♑34'07	7°38'23	superior conj	1258 Aug 08 j 18:56	22°♑39'33	1°20'38	
minimum elong	1256 Mar 21 j 01:14	7°♑20'59	7°37'13	minimum elong	1258 Aug 08 j 13:38	22°♑23'08	1°20'33	
min. Earth dist.	1256 Mar 20 j 12:04	7°♑41'49	0.28420 AU		1258 Aug 14 j 16:57	0°♑		
morning rise	1256 Mar 25 j 04:30	4°♑48'16			1258 Sep 07 j 19:45	0°♑		
	1256 Apr 05 j 14:08	30°♑		evening rise	1258 Sep 14 j 18:46	8°♑40'14		
direct	1256 Apr 10 j 21:37	29°♑25'58			1258 Oct 01 j 21:21	0°♑		
	1256 Apr 16 j 08:31	0°♑		desc. node	1258 Oct 14 j 13:35	15°♑48'22		
greatest brilliancy	1256 Apr 22 j 13:39	1°♑53'48	-4.5m		1258 Oct 25 j 22:56	0°♑		
desc. node	1256 Apr 28 j 18:14	4°♑52'15			1258 Nov 19 j 01:27	0°♑		
morning max el	1256 May 29 j 19:35	29°♑31'23	45°46'56		1258 Dec 13 j 06:33	0°♑		
	1256 May 30 j 07:32	0°♑			1259 Jan 06 j 18:04	0°♑		
	1256 Jun 28 j 07:59	0°♑			1259 Jan 31 j 19:37	0°♑		
	1256 Jul 25 j 00:15	0°♑		asc. node	1259 Feb 04 j 16:48	4°♑32'51		
	1256 Aug 19 j 12:51	0°♑			1259 Feb 27 j 02:36	0°♑		
asc. node	1256 Aug 19 j 21:50	0°♑26'52		evening max el	1259 Mar 21 j 00:50	22°♑54'39	45°48'57	
	1256 Sep 13 j 07:32	0°♑			1259 Mar 28 j 12:12	0°♑		
	1256 Oct 07 j 14:19	0°♑		greatest brilliancy	1259 Apr 24 j 09:25	19°♑43'36	-4.5m	
	1256 Oct 31 j 14:09	0°♑		retrograde	1259 May 09 j 01:57	23°♑31'27		
	1256 Nov 24 j 10:56	0°♑		evening set	1259 May 24 j 03:52	19°♑08'07		
morning set	1256 Nov 25 j 04:33	0°♑55'26		desc. node	1259 May 27 j 06:11	17°♑20'52		
desc. node	1256 Dec 09 j 11:15	18°♑53'39		inferior conj	1259 May 30 j 13:58	15°♑17'24	0°-46'-52	
	1256 Dec 18 j 07:03	0°♑		minimum elong	1259 May 30 j 12:15	15°♑20'06	0°46'23	
				min. Earth dist.	1259 May 30 j 14:54	15°♑15'56	0.28959 AU	
superior conj	1257 Jan 05 j 23:26	23°♑29'19	0°-59'-30	morning rise	1259 Jun 05 j 20:32	11°♑30'37		
minimum elong	1257 Jan 05 j 11:30	22°♑51'49	0°59'06	direct	1259 Jun 21 j 04:24	6°♑59'38		
max. Earth dist.	1257 Jan 09 j 00:28	27°♑18'35	1.71265 AU	greatest brilliancy	1259 Jul 04 j 21:08	10°♑14'36	-4.5m	
	1257 Jan 11 j 03:54	0°♑			1259 Aug 01 j 16:22	0°♑		
	1257 Feb 04 j 02:35	0°♑		morning max el	1259 Aug 09 j 02:10	6°♑53'48	45°53'53	
evening rise	1257 Feb 15 j 21:42	14°♑43'17			1259 Aug 31 j 12:27	0°♑		
	1257 Feb 28 j 04:33	0°♑		asc. node	1259 Sep 17 j 09:42	18°♑51'48		
	1257 Mar 24 j 11:24	0°♑			1259 Sep 27 j 00:40	0°♑		
asc. node	1257 Apr 01 j 14:40	9°♑58'48			1259 Oct 22 j 03:39	0°♑		

	1259 Nov 15 j 14:01	0°♌		evening max el	1262 May 30 j 16:50	1°♌00'15	45°22'07
	1259 Dec 09 j 16:37	0°♌		desc. node	1262 Jun 23 j 18:08	21°♌07'20	
	1260 Jan 02 j 16:24	0°♌		greatest brilliancy	1262 Jul 05 j 14:55	27°♌44'07	-4.5m
desc. node	1260 Jan 06 j 23:05	5°♌21'11			1262 Jul 12 j 23:05	0°♌	
	1260 Jan 26 j 16:00	0°♌		retrograde	1262 Jul 18 j 05:51	0°♌31'02	
morning set	1260 Feb 11 j 10:35	19°♌41'54			1262 Jul 23 j 09:12	30°♌	
	1260 Feb 19 j 16:52	0°♌		evening set	1262 Aug 04 j 14:05	24°♌53'06	
	1260 Mar 14 j 19:57	0°♌		inferior conj	1262 Aug 08 j 13:17	22°♌28'13	-8°-14'-12
				minimum elong	1262 Aug 08 j 07:05	22°♌37'49	8°13'39
superior conj	1260 Mar 21 j 23:22	8°♌51'13	-1°-14'-45	min. Earth dist.	1262 Aug 08 j 21:26	22°♌15'36	0.28623 AU
minimum elong	1260 Mar 22 j 08:12	9°♌18'35	1°14'34	morning rise	1262 Aug 11 j 23:56	20°♌21'40	
max. Earth dist.	1260 Mar 25 j 07:28	12°♌59'06	1.72729 AU	direct	1262 Aug 30 j 01:47	14°♌15'59	
	1260 Apr 08 j 01:56	0°♌		greatest brilliancy	1262 Sep 13 j 12:08	17°♌58'32	-4.6m
evening rise	1260 Apr 29 j 01:39	25°♌50'30			1262 Oct 01 j 10:10	0°♌	
asc. node	1260 Apr 29 j 02:37	25°♌53'27		asc. node	1262 Oct 14 j 21:32	12°♌10'40	
	1260 May 02 j 10:55	0°♌		morning max el	1262 Oct 19 j 06:18	16°♌29'33	46°34'57
	1260 May 26 j 22:46	0°♌			1262 Nov 01 j 04:01	0°♌	
	1260 Jun 20 j 13:38	0°♌			1262 Nov 27 j 14:48	0°♌	
	1260 Jul 15 j 08:39	0°♌			1262 Dec 22 j 17:28	0°♌	
	1260 Aug 09 j 10:12	0°♌			1263 Jan 16 j 07:38	0°♌	
desc. node	1260 Aug 18 j 15:42	10°♌55'54		desc. node	1263 Feb 03 j 10:50	22°♌17'10	
	1260 Sep 03 j 22:22	0°♌			1263 Feb 09 j 17:08	0°♌	
	1260 Sep 30 j 05:46	0°♌			1263 Mar 06 j 01:25	0°♌	
evening max el	1260 Oct 25 j 14:19	27°♌04'29	47°14'58		1263 Mar 30 j 10:03	0°♌	
	1260 Oct 28 j 12:42	0°♌			1263 Apr 23 j 19:40	0°♌	
greatest brilliancy	1260 Dec 03 j 03:52	27°♌38'46	-4.7m	morning set	1263 Apr 24 j 10:24	0°♌45'16	
asc. node	1260 Dec 09 j 19:13	29°♌51'15			1263 May 18 j 06:00	0°♌	
	1260 Dec 10 j 12:07	0°♌		asc. node	1263 May 27 j 14:28	11°♌28'54	
retrograde	1260 Dec 15 j 10:21	0°♌29'13		max. Earth dist.	1263 May 30 j 19:27	15°♌25'11	1.73618 AU
	1260 Dec 20 j 06:04	30°♌					
evening set	1260 Dec 30 j 17:14	25°♌48'52		superior conj	1263 May 31 j 06:26	15°♌58'57	0°08'43
min. Earth dist.	1261 Jan 04 j 04:52	23°♌08'55	0.26801 AU	minimum elong	1263 May 31 j 04:39	15°♌53'28	0°08'38
inferior conj	1261 Jan 05 j 01:52	22°♌36'34	6°09'06	behind sun begin	1263 May 30 j 09:35	14°♌54'53	
minimum elong	1261 Jan 04 j 15:30	22°♌52'32	6°06'43	behind sun end	1263 May 31 j 23:44	16°♌52'03	
morning rise	1261 Jan 09 j 14:11	19°♌53'52			1263 Jun 11 j 16:15	0°♌	
direct	1261 Jan 25 j 11:23	14°♌55'02		evening rise	1263 Jul 06 j 04:31	0°♌08'36	
greatest brilliancy	1261 Feb 05 j 07:11	17°♌06'35	-4.6m		1263 Jul 06 j 01:43	0°♌	
	1261 Feb 25 j 21:53	0°♌			1263 Jul 30 j 10:32	0°♌	
morning max el	1261 Mar 16 j 06:30	16°♌37'28	46°24'20		1263 Aug 23 j 19:43	0°♌	
	1261 Mar 29 j 09:29	0°♌		desc. node	1263 Sep 16 j 03:44	28°♌37'44	
desc. node	1261 Mar 31 j 08:36	2°♌04'19			1263 Sep 17 j 06:38	0°♌	
	1261 Apr 25 j 19:13	0°♌			1263 Oct 11 j 20:42	0°♌	
	1261 May 21 j 22:28	0°♌			1263 Nov 05 j 16:23	0°♌	
	1261 Jun 16 j 10:28	0°♌			1263 Dec 01 j 00:20	0°♌	
	1261 Jul 11 j 11:42	0°♌			1263 Dec 27 j 15:44	0°♌	
asc. node	1261 Jul 22 j 12:00	13°♌20'26		evening max el	1264 Jan 06 j 14:14	10°♌25'01	47°00'19
	1261 Aug 05 j 03:32	0°♌		asc. node	1264 Jan 07 j 06:59	11°♌07'31	
	1261 Aug 29 j 11:18	0°♌			1264 Jan 27 j 21:12	0°♌	
morning set	1261 Sep 10 j 05:52	14°♌38'26		greatest brilliancy	1264 Feb 12 j 05:26	10°♌00'46	-4.6m
	1261 Sep 22 j 13:07	0°♌		retrograde	1264 Feb 26 j 04:45	13°♌34'13	
	1261 Oct 16 j 11:30	0°♌		evening set	1264 Mar 14 j 16:31	7°♌37'16	
max. Earth dist.	1261 Oct 16 j 17:35	0°♌19'05	1.71398 AU	inferior conj	1264 Mar 18 j 08:30	5°♌19'40	7°48'16
				minimum elong	1264 Mar 18 j 16:21	5°♌07'14	7°47'15
superior conj	1261 Oct 18 j 12:45	2°♌34'38	0°52'13	min. Earth dist.	1264 Mar 18 j 03:01	5°♌28'20	0.28377 AU
minimum elong	1261 Oct 18 j 23:04	3°♌06'59	0°51'49	morning rise	1264 Mar 22 j 16:29	2°♌38'52	
	1261 Nov 09 j 08:31	0°♌			1264 Mar 27 j 16:04	30°♌	
desc. node	1261 Nov 11 j 01:32	2°♌08'49		direct	1264 Apr 08 j 12:33	27°♌12'26	
evening rise	1261 Nov 28 j 09:41	23°♌56'15		greatest brilliancy	1264 Apr 20 j 02:17	29°♌37'44	-4.5m
	1261 Dec 03 j 05:32	0°♌			1264 Apr 21 j 00:01	0°♌	
	1261 Dec 27 j 03:37	0°♌		desc. node	1264 Apr 27 j 20:18	3°♌28'54	
	1262 Jan 20 j 04:31	0°♌		morning max el	1264 May 27 j 09:55	27°♌17'28	45°47'36
	1262 Feb 13 j 10:59	0°♌			1264 May 30 j 05:14	0°♌	
asc. node	1262 Mar 04 j 04:48	22°♌51'08			1264 Jun 27 j 23:17	0°♌	
	1262 Mar 10 j 03:03	0°♌			1264 Jul 24 j 13:14	0°♌	
	1262 Apr 04 j 10:31	0°♌		asc. node	1264 Aug 18 j 23:53	29°♌57'19	
	1262 Apr 30 j 20:20	0°♌			1264 Aug 19 j 00:47	0°♌	
	1262 May 29 j 15:43	0°♌			1264 Sep 12 j 18:56	0°♌	

	1264 Oct 07 j 01:26	0°♌		greatest brilliancy	1267 Apr 22 j 00:32	17°♐33'25	-4.5m
	1264 Oct 31 j 01:10	0°♍		retrograde	1267 May 06 j 19:01	21°♐23'33	
morning set	1264 Nov 22 j 15:13	28°♍23'32		evening set	1267 May 21 j 20:50	16°♐59'05	
	1264 Nov 23 j 21:53	0°♎		desc. node	1267 May 26 j 08:14	14°♐21'05	
desc. node	1264 Dec 08 j 13:16	18°♎25'38		inferior conj	1267 May 28 j 06:26	13°♐09'04	0°-27'-11
	1264 Dec 17 j 17:58	0°♏		minimum elong	1267 May 28 j 05:26	13°♐10'38	0°26'54
				min. Earth dist.	1267 May 28 j 07:22	13°♐07'37	0.28951 AU
superior conj	1265 Jan 03 j 09:07	20°♏54'49	0°-56'-33	morning rise	1267 Jun 03 j 14:01	9°♐21'12	
minimum elong	1265 Jan 02 j 21:18	20°♏17'40	0°56'08	direct	1267 Jun 18 j 20:45	4°♐51'15	
max. Earth dist.	1265 Jan 06 j 05:11	24°♏28'31	1.71232 AU	greatest brilliancy	1267 Jul 02 j 13:18	8°♐06'31	-4.5m
	1265 Jan 10 j 14:47	0°♑			1267 Aug 01 j 17:14	0°♑	
	1265 Feb 03 j 13:27	0°♒		morning max el	1267 Aug 06 j 18:49	4°♑45'49	45°53'02
evening rise	1265 Feb 13 j 09:05	12°♒15'15			1267 Aug 31 j 04:33	0°♓	
	1265 Feb 27 j 15:27	0°♓		asc. node	1267 Sep 16 j 11:53	18°♓17'19	
	1265 Mar 23 j 22:24	0°♔			1267 Sep 26 j 14:08	0°♔	
asc. node	1265 Mar 31 j 16:50	9°♔31'39			1267 Oct 21 j 16:00	0°♕	
	1265 Apr 17 j 11:53	0°♖			1267 Nov 15 j 01:49	0°♌	
	1265 May 12 j 09:40	0°♗			1267 Dec 09 j 04:05	0°♎	
	1265 Jun 06 j 19:00	0°♏			1268 Jan 02 j 03:40	0°♏	
	1265 Jul 02 j 23:20	0°♐		desc. node	1268 Jan 06 j 01:05	4°♏52'17	
desc. node	1265 Jul 21 j 05:50	20°♐01'37			1268 Jan 26 j 03:06	0°♑	
	1265 Jul 30 j 18:08	0°♑		morning set	1268 Feb 08 j 21:41	17°♑12'23	
evening max el	1265 Aug 10 j 22:21	11°♑08'37	46°08'16		1268 Feb 19 j 03:49	0°♒	
	1265 Sep 01 j 17:15	0°♒			1268 Mar 14 j 06:47	0°♓	
greatest brilliancy	1265 Sep 18 j 21:09	9°♒48'20	-4.6m				
retrograde	1265 Sep 29 j 07:00	11°♒47'22		superior conj	1268 Mar 19 j 13:38	6°♓33'17	-1°-16'-26
evening set	1265 Oct 15 j 02:26	7°♒01'19		minimum elong	1268 Mar 19 j 22:05	6°♓59'27	1°16'16
inferior conj	1265 Oct 20 j 00:34	4°♒07'04	-5°-21'-31	max. Earth dist.	1268 Mar 22 j 23:20	10°♓46'17	1.72678 AU
minimum elong	1265 Oct 20 j 10:41	3°♒51'39	5°18'58		1268 Apr 07 j 12:41	0°♔	
min. Earth dist.	1265 Oct 20 j 19:13	3°♒38'41	0.26884 AU	evening rise	1268 Apr 26 j 18:27	23°♔41'37	
morning rise	1265 Oct 25 j 18:18	0°♒44'20		asc. node	1268 Apr 28 j 04:39	25°♔26'41	
	1265 Oct 27 j 03:45	30°♓			1268 May 01 j 21:42	0°♕	
direct	1265 Nov 09 j 15:50	26°♓20'40			1268 May 26 j 09:42	0°♖	
asc. node	1265 Nov 11 j 09:19	26°♓24'16			1268 Jun 20 j 00:52	0°♗	
greatest brilliancy	1265 Nov 23 j 00:59	29°♓38'34	-4.7m		1268 Jul 14 j 20:25	0°♘	
	1265 Nov 23 j 19:02	0°♔			1268 Aug 08 j 22:49	0°♕	
morning max el	1265 Dec 30 j 08:59	29°♔44'37	46°56'52	desc. node	1268 Aug 17 j 17:52	10°♕23'53	
	1265 Dec 30 j 15:02	0°♎			1268 Sep 03 j 12:25	0°♌	
	1266 Jan 27 j 06:38	0°♏			1268 Sep 29 j 22:41	0°♎	
	1266 Feb 22 j 04:20	0°♐		evening max el	1268 Oct 23 j 05:14	24°♎43'36	47°13'39
desc. node	1266 Mar 02 j 22:53	10°♐21'53			1268 Oct 28 j 13:26	0°♏	
	1266 Mar 19 j 10:28	0°♑		greatest brilliancy	1268 Nov 30 j 17:40	25°♏11'44	-4.7m
	1266 Apr 13 j 09:45	0°♒		asc. node	1268 Dec 08 j 21:11	27°♏40'48	
	1266 May 08 j 05:32	0°♓		retrograde	1268 Dec 13 j 00:01	28°♏01'17	
	1266 Jun 01 j 22:35	0°♔		evening set	1268 Dec 28 j 03:00	23°♏25'49	
asc. node	1266 Jun 24 j 02:14	27°♔02'22		min. Earth dist.	1269 Jan 01 j 17:44	20°♏41'28	0.26754 AU
	1266 Jun 26 j 12:16	0°♕		inferior conj	1269 Jan 02 j 14:36	20°♏09'22	5°51'39
morning set	1266 Jul 01 j 03:32	5°♕41'05		minimum elong	1269 Jan 02 j 04:19	20°♏25'11	5°49'10
	1266 Jul 20 j 21:51	0°♖		morning rise	1269 Jan 07 j 06:09	17°♏22'28	
max. Earth dist.	1266 Aug 03 j 01:05	16°♖14'09	1.72892 AU	direct	1269 Jan 23 j 00:29	12°♏28'44	
				greatest brilliancy	1269 Feb 02 j 19:46	14°♏40'25	-4.6m
superior conj	1266 Aug 06 j 12:54	20°♖33'45	1°19'35		1269 Feb 26 j 08:33	0°♑	
minimum elong	1266 Aug 06 j 07:05	20°♖15'43	1°19'30	morning max el	1269 Mar 13 j 20:39	14°♑17'24	46°25'48
	1266 Aug 14 j 03:31	0°♒			1269 Mar 29 j 04:20	0°♓	
	1266 Sep 07 j 06:29	0°♓		desc. node	1269 Mar 30 j 10:42	1°♓20'47	
evening rise	1266 Sep 12 j 10:14	6°♓25'23			1269 Apr 25 j 10:00	0°♔	
	1266 Oct 01 j 08:18	0°♔			1269 May 21 j 11:24	0°♕	
desc. node	1266 Oct 13 j 15:45	15°♔20'34			1269 Jun 15 j 22:23	0°♖	
	1266 Oct 25 j 10:09	0°♕			1269 Jul 10 j 23:03	0°♗	
	1266 Nov 18 j 12:58	0°♖		asc. node	1269 Jul 21 j 14:04	12°♗52'39	
	1266 Dec 12 j 18:29	0°♗			1269 Aug 04 j 14:35	0°♘	
	1267 Jan 06 j 06:39	0°♘			1269 Aug 28 j 22:12	0°♙	
	1267 Jan 31 j 09:24	0°♙		morning set	1269 Sep 07 j 21:41	12°♙24'25	
asc. node	1267 Feb 03 j 18:53	3°♙58'04			1269 Sep 21 j 23:58	0°♚	
	1267 Feb 26 j 19:06	0°♚		max. Earth dist.	1269 Oct 14 j 02:10	27°♚41'16	1.71432 AU
evening max el	1267 Mar 18 j 16:06	20°♚41'33	45°51'09		1269 Oct 15 j 22:23	0°♛	
	1267 Mar 28 j 14:04	0°♛					

superior conj	1269 Oct 16 j 01:51	0°♌10°54	0°55'04			1272 Mar 21 j 00:07	30°♋		
minimum elong	1269 Oct 16 j 12:17	0°♌43°38	0°54'41		direct	1272 Apr 06 j 03:06	24°♋57'52		
	1269 Nov 08 j 19:29	0°♌			greatest brilliancy	1272 Apr 17 j 16:07	27°♋22'00	-4.5m	
desc. node	1269 Nov 10 j 03:32	1°♌40'41				1272 Apr 23 j 06:35	0°♍		
evening rise	1269 Nov 25 j 20:14	21°♌23'55			desc. node	1272 Apr 26 j 22:21	2°♍07'10		
	1269 Dec 02 j 16:36	0°♌			morning max el	1272 May 25 j 00:11	25°♍02'03	45°48'13	
	1269 Dec 26 j 14:51	0°♌				1272 May 30 j 02:39	0°♌		
	1270 Jan 19 j 15:55	0°♋				1272 Jun 27 j 14:49	0°♌		
	1270 Feb 12 j 22:41	0°♍				1272 Jul 24 j 02:34	0°♌		
asc. node	1270 Mar 03 j 06:56	22°♍21'00			asc. node	1272 Aug 18 j 02:04	29°♌27'10		
	1270 Mar 09 j 15:18	0°♌				1272 Aug 18 j 13:02	0°♌		
	1270 Apr 03 j 23:52	0°♌				1272 Sep 12 j 06:37	0°♌		
	1270 Apr 30 j 12:03	0°♌				1272 Oct 06 j 12:51	0°♌		
evening max el	1270 May 28 j 08:06	28°♌47'51	45°21'44			1272 Oct 30 j 12:27	0°♌		
	1270 May 29 j 14:26	0°♌			morning set	1272 Nov 20 j 02:03	25°♌51'12		
desc. node	1270 Jun 22 j 20:07	19°♌52'46				1272 Nov 23 j 09:07	0°♌		
greatest brilliancy	1270 Jul 03 j 04:45	25°♌30'30	-4.5m		desc. node	1272 Dec 07 j 15:17	17°♌56'44		
retrograde	1270 Jul 15 j 20:23	28°♌18'17				1272 Dec 17 j 05:10	0°♌		
evening set	1270 Aug 02 j 02:10	22°♌44'59							
inferior conj	1270 Aug 06 j 04:37	20°♌15'04	-8°-7'-3		superior conj	1272 Dec 31 j 19:02	18°♌20'07	0°-53'-29	
minimum elong	1270 Aug 05 j 21:48	20°♌25'39	8°06'22		minimum elong	1272 Dec 31 j 07:23	17°♌43'34	0°53'03	
min. Earth dist.	1270 Aug 06 j 12:06	20°♌03'26	0.28657 AU		max. Earth dist.	1273 Jan 03 j 07:59	21°♌31'36	1.71199 AU	
morning rise	1270 Aug 09 j 17:15	18°♌05'14				1273 Jan 10 j 01:55	0°♌		
direct	1270 Aug 27 j 17:25	12°♌02'27				1273 Feb 03 j 00:33	0°♋		
greatest brilliancy	1270 Sep 11 j 02:42	15°♌42'51	-4.6m		evening rise	1273 Feb 10 j 20:45	9°♋47'22		
	1270 Oct 01 j 18:07	0°♌				1273 Feb 27 j 02:35	0°♍		
asc. node	1270 Oct 13 j 23:33	11°♌18'10				1273 Mar 23 j 09:40	0°♌		
morning max el	1270 Oct 16 j 20:00	14°♌08'08	46°33'37		asc. node	1273 Mar 30 j 18:50	9°♌03'07		
	1270 Oct 31 j 22:08	0°♌				1273 Apr 16 j 23:27	0°♌		
	1270 Nov 27 j 05:25	0°♌				1273 May 11 j 21:48	0°♌		
	1270 Dec 22 j 06:35	0°♌				1273 Jun 06 j 08:11	0°♌		
	1271 Jan 15 j 19:56	0°♌				1273 Jul 02 j 14:36	0°♌		
desc. node	1271 Feb 02 j 13:01	21°♌47'11			desc. node	1273 Jul 20 j 08:02	19°♌19'41		
	1271 Feb 09 j 04:56	0°♌				1273 Jul 30 j 14:23	0°♌		
	1271 Mar 05 j 12:51	0°♋			evening max el	1273 Aug 08 j 10:48	8°♌45'40	46°05'53	
	1271 Mar 29 j 21:13	0°♍				1273 Sep 02 j 14:57	0°♌		
morning set	1271 Apr 22 j 03:14	28°♍35'52			greatest brilliancy	1273 Sep 16 j 08:52	7°♌22'20	-4.6m	
	1271 Apr 23 j 06:37	0°♌			retrograde	1273 Sep 26 j 19:23	9°♌22'05		
	1271 May 17 j 16:51	0°♌			evening set	1273 Oct 12 j 18:03	4°♌30'52		
asc. node	1271 May 26 j 16:26	11°♌01'42			inferior conj	1273 Oct 17 j 13:12	1°♌40'56	-5°-39'-55	
max. Earth dist.	1271 May 28 j 15:41	13°♌26'44	1.73613 AU		minimum elong	1273 Oct 17 j 23:34	1°♌25'11	5°37'23	
					min. Earth dist.	1273 Oct 18 j 08:41	1°♌11'20	0.26945 AU	
superior conj	1271 May 29 j 00:21	13°♌53'22	0°05'34			1273 Oct 20 j 08:04	30°♌		
minimum elong	1271 May 28 j 23:13	13°♌49'52	0°05'30		morning rise	1273 Oct 23 j 04:27	28°♌21'50		
behind sun begin	1271 May 28 j 01:54	12°♌44'26			direct	1273 Nov 07 j 05:09	23°♌53'18		
behind sun end	1271 May 29 j 20:32	14°♌55'18			asc. node	1273 Nov 10 j 11:21	24°♌06'02		
	1271 Jun 11 j 03:05	0°♌			greatest brilliancy	1273 Nov 20 j 17:22	27°♌15'07	-4.7m	
evening rise	1271 Jul 03 j 23:14	28°♌04'55				1273 Nov 25 j 20:35	0°♌		
	1271 Jul 05 j 12:38	0°♌			morning max el	1273 Dec 27 j 23:22	27°♌20'26	46°57'13	
	1271 Jul 29 j 21:39	0°♌				1273 Dec 30 j 13:35	0°♌		
	1271 Aug 23 j 07:10	0°♌				1274 Jan 26 j 23:06	0°♌		
desc. node	1271 Sep 15 j 05:51	28°♌07'46				1274 Feb 21 j 18:24	0°♌		
	1271 Sep 16 j 18:33	0°♌			desc. node	1274 Mar 02 j 00:57	9°♌47'44		
	1271 Oct 11 j 09:17	0°♌				1274 Mar 18 j 23:14	0°♋		
	1271 Nov 05 j 05:56	0°♌				1274 Apr 12 j 21:44	0°♍		
	1271 Nov 30 j 15:33	0°♌				1274 May 07 j 17:02	0°♌		
	1271 Dec 27 j 10:58	0°♋				1274 Jun 01 j 09:45	0°♌		
evening max el	1272 Jan 04 j 04:07	8°♋02'35	47°02'13		asc. node	1274 Jun 23 j 04:20	26°♌35'05		
asc. node	1272 Jan 06 j 09:06	10°♋16'29				1274 Jun 25 j 23:16	0°♌		
	1272 Jan 28 j 11:43	0°♍			morning set	1274 Jun 28 j 21:38	3°♌35'39		
greatest brilliancy	1272 Feb 09 j 23:11	7°♍47'14	-4.6m			1274 Jul 20 j 08:48	0°♌		
retrograde	1272 Feb 23 j 20:00	11°♍18'38			max. Earth dist.	1274 Jul 31 j 21:43	14°♌15'30	1.72939 AU	
evening set	1272 Mar 12 j 10:34	5°♍18'19							
min. Earth dist.	1272 Mar 15 j 18:07	3°♍13'56	0.28341 AU		superior conj	1274 Aug 04 j 06:33	18°♌25'46	1°18'26	
inferior conj	1272 Mar 16 j 00:04	3°♍04'31	7°57'25		minimum elong	1274 Aug 04 j 00:15	18°♌06'15	1°18'19	
minimum elong	1272 Mar 16 j 07:25	2°♍52'52	7°56'32			1274 Aug 13 j 14:31	0°♌		
morning rise	1272 Mar 20 j 04:30	0°♍28'46				1274 Sep 06 j 17:36	0°♌		

evening rise	1274 Sep 10 j 01:26	4°♁08'33		morning max el	1277 Mar 11 j 09:51	11°♁54'12	46°27'16
	1274 Sep 30 j 19:37	0°♁			1277 Mar 28 j 22:53	0°♁	
desc. node	1274 Oct 12 j 17:41	14°♁51'01		desc. node	1277 Mar 29 j 12:39	0°♁36'53	
	1274 Oct 24 j 21:44	0°♁			1277 Apr 25 j 00:45	0°♁	
	1274 Nov 18 j 00:52	0°♁			1277 May 21 j 00:23	0°♁	
	1274 Dec 12 j 06:48	0°♁			1277 Jun 15 j 10:23	0°♁	
	1275 Jan 05 j 19:38	0°♁			1277 Jul 10 j 10:29	0°♁	
	1275 Jan 30 j 23:37	0°♁		asc. node	1277 Jul 20 j 16:14	12°♁24'56	
asc. node	1275 Feb 02 j 21:03	3°♁22'21			1277 Aug 04 j 01:43	0°♁	
	1275 Feb 26 j 12:12	0°♁			1277 Aug 28 j 09:14	0°♁	
evening max el	1275 Mar 16 j 08:15	18°♁29'52	45°53'27	morning set	1277 Sep 05 j 13:28	10°♁09'49	
	1275 Mar 28 j 17:47	0°♁			1277 Sep 21 j 11:01	0°♁	
greatest brilliancy	1275 Apr 19 j 16:20	15°♁23'36	-4.5m	max. Earth dist.	1277 Oct 11 j 08:49	24°♁56'44	1.71476 AU
retrograde	1275 May 04 j 12:16	19°♁14'58					
evening set	1275 May 19 j 14:03	14°♁49'27		superior conj	1277 Oct 13 j 14:49	27°♁46'09	0°57'50
desc. node	1275 May 25 j 10:12	11°♁20'00		minimum elong	1277 Oct 14 j 01:18	28°♁19'02	0°57'27
inferior conj	1275 May 25 j 22:57	11°♁00'03	0°-7'-29		1277 Oct 15 j 09:29	0°♁	
minimum elong	1275 May 25 j 22:41	11°♁00'29	0°07'25		1277 Nov 08 j 06:41	0°♁	
transit begin	1275 May 25 j 19:04	11°♁06'08		desc. node	1277 Nov 09 j 05:36	1°♁12'00	
transit end	1275 May 26 j 02:17	10°♁54'50		evening rise	1277 Nov 23 j 06:20	18°♁49'27	
min. Earth dist.	1275 May 25 j 23:36	10°♁59'02	0.28946 AU		1277 Dec 02 j 03:54	0°♁	
morning rise	1275 Jun 01 j 07:25	7°♁11'17			1277 Dec 26 j 02:16	0°♁	
direct	1275 Jun 16 j 13:35	2°♁42'22			1278 Jan 19 j 03:30	0°♁	
greatest brilliancy	1275 Jun 30 j 04:39	5°♁56'44	-4.5m		1278 Feb 12 j 10:32	0°♁	
	1275 Aug 01 j 17:21	0°♁		asc. node	1278 Mar 02 j 08:55	21°♁50'00	
morning max el	1275 Aug 04 j 11:38	2°♁37'15	45°51'57		1278 Mar 09 j 03:42	0°♁	
	1275 Aug 30 j 20:50	0°♁			1278 Apr 03 j 13:24	0°♁	
asc. node	1275 Sep 15 j 13:51	17°♁41'10			1278 Apr 30 j 04:05	0°♁	
	1275 Sep 26 j 03:56	0°♁		evening max el	1278 May 25 j 22:53	26°♁34'24	45°21'32
	1275 Oct 21 j 04:41	0°♁			1278 May 29 j 14:07	0°♁	
	1275 Nov 14 j 13:55	0°♁		desc. node	1278 Jun 21 j 22:17	18°♁36'45	
	1275 Dec 08 j 15:50	0°♁		greatest brilliancy	1278 Jun 30 j 18:12	23°♁17'05	-4.5m
	1276 Jan 01 j 15:11	0°♁		retrograde	1278 Jul 13 j 11:04	26°♁06'49	
desc. node	1276 Jan 05 j 03:12	4°♁22'57		evening set	1278 Jul 30 j 14:27	20°♁37'58	
	1276 Jan 25 j 14:27	0°♁		inferior conj	1278 Aug 03 j 20:17	18°♁03'08	-7°-59'-12
morning set	1276 Feb 06 j 08:42	14°♁41'45		minimum elong	1278 Aug 03 j 12:54	18°♁14'36	7°58'22
	1276 Feb 18 j 15:01	0°♁		min. Earth dist.	1278 Aug 04 j 03:22	17°♁52'07	0.28691 AU
	1276 Mar 13 j 17:52	0°♁		morning rise	1278 Aug 07 j 11:06	15°♁49'48	
				direct	1278 Aug 25 j 08:56	9°♁49'58	
superior conj	1276 Mar 17 j 03:54	4°♁14'26	-1°-18'00	greatest brilliancy	1278 Sep 08 j 18:18	13°♁29'18	-4.6m
minimum elong	1276 Mar 17 j 11:52	4°♁39'07	1°17'51		1278 Oct 01 j 23:39	0°♁	
max. Earth dist.	1276 Mar 20 j 16:35	8°♁36'52	1.72623 AU	asc. node	1278 Oct 13 j 01:36	10°♁26'51	
	1276 Apr 06 j 23:41	0°♁		morning max el	1278 Oct 14 j 09:35	11°♁46'36	46°32'01
evening rise	1276 Apr 24 j 11:19	21°♁32'13			1278 Oct 31 j 15:52	0°♁	
asc. node	1276 Apr 27 j 06:40	24°♁59'08			1278 Nov 26 j 20:01	0°♁	
greatest brilliancy	1276 Apr 28 j 17:17	26°♁45'23	-3.9m		1278 Dec 21 j 19:47	0°♁	
	1276 May 01 j 08:42	0°♁			1279 Jan 15 j 08:20	0°♁	
	1276 May 25 j 20:50	0°♁		desc. node	1279 Feb 01 j 15:06	21°♁16'43	
	1276 Jun 19 j 12:21	0°♁			1279 Feb 08 j 16:48	0°♁	
	1276 Jul 14 j 08:29	0°♁			1279 Mar 05 j 00:18	0°♁	
	1276 Aug 08 j 11:50	0°♁			1279 Mar 29 j 08:21	0°♁	
desc. node	1276 Aug 16 j 19:52	9°♁50'10		morning set	1279 Apr 19 j 20:00	26°♁26'16	
	1276 Sep 03 j 03:02	0°♁			1279 Apr 22 j 17:33	0°♁	
	1276 Sep 29 j 16:23	0°♁			1279 May 17 j 03:40	0°♁	
evening max el	1276 Oct 20 j 20:10	22°♁21'36	47°12'18	asc. node	1279 May 25 j 18:35	10°♁35'13	
	1276 Oct 28 j 15:59	0°♁		max. Earth dist.	1279 May 26 j 10:55	11°♁25'21	1.73605 AU
greatest brilliancy	1276 Nov 28 j 08:29	22°♁44'50	-4.7m				
asc. node	1276 Dec 07 j 23:17	25°♁23'48		superior conj	1279 May 26 j 18:29	11°♁48'35	0°02'24
retrograde	1276 Dec 10 j 13:23	25°♁31'55		minimum elong	1279 May 26 j 17:59	11°♁47'04	0°02'22
evening set	1276 Dec 25 j 12:54	21°♁01'28		behind sun begin	1279 May 25 j 19:38	10°♁38'27	
min. Earth dist.	1276 Dec 30 j 06:50	18°♁12'28	0.26704 AU	behind sun end	1279 May 27 j 16:20	12°♁55'43	
inferior conj	1276 Dec 31 j 03:13	17°♁41'06	5°33'28		1279 Jun 10 j 13:52	0°♁	
minimum elong	1276 Dec 30 j 17:08	17°♁56'38	5°30'56	evening rise	1279 Jul 01 j 18:19	26°♁02'42	
morning rise	1277 Jan 04 j 21:54	14°♁49'52			1279 Jul 04 j 23:29	0°♁	
direct	1277 Jan 20 j 13:16	10°♁01'32			1279 Jul 29 j 08:40	0°♁	
greatest brilliancy	1277 Jan 31 j 08:12	12°♁13'02	-4.6m		1279 Aug 22 j 18:30	0°♁	
	1277 Feb 26 j 16:41	0°♁		desc. node	1279 Sep 14 j 07:50	27°♁37'43	

	1279 Sep 16 j 06:24	0°♁		desc. node	1282 Mar 01 j 02:53	9°≈14'08	
	1279 Oct 10 j 21:51	0°♁			1282 Mar 18 j 11:43	0°♁	
	1279 Nov 04 j 19:33	0°♁			1282 Apr 12 j 09:29	0°♁	
	1279 Nov 30 j 07:03	0°≈			1282 May 07 j 04:16	0°♁	
	1279 Dec 27 j 06:54	0°♁			1282 May 31 j 20:38	0°♁	
evening max el	1280 Jan 01 j 17:35	5°♁38'39	47°04'04	asc. node	1282 Jun 22 j 06:25	26°♁08'47	
asc. node	1280 Jan 05 j 11:14	9°♁24'05			1282 Jun 25 j 09:56	0°♁	
	1280 Jan 29 j 07:35	0°♁		morning set	1282 Jun 26 j 15:40	1°♁31'07	
greatest brilliancy	1280 Feb 07 j 16:10	5°♁31'51	-4.6m		1282 Jul 19 j 19:23	0°♁	
retrograde	1280 Feb 21 j 11:20	9°♁02'16		max. Earth dist.	1282 Jul 29 j 17:40	12°♁15'54	1.72983 AU
evening set	1280 Mar 10 j 04:16	2°♁58'35					
min. Earth dist.	1280 Mar 13 j 08:58	0°♁58'46	0.28301 AU	superior conj	1282 Aug 02 j 00:18	16°♁19'10	1°17'10
inferior conj	1280 Mar 13 j 15:25	0°♁48'34	8°05'53	minimum elong	1282 Aug 01 j 17:32	15°♁58'16	1°17'01
minimum elong	1280 Mar 13 j 22:13	0°♁37'48	8°05'08		1282 Aug 13 j 01:10	0°♁	
	1280 Mar 14 j 22:09	30°♁			1282 Sep 06 j 04:24	0°♁	
morning rise	1280 Mar 17 j 16:22	28°♁18'03		evening rise	1282 Sep 07 j 16:57	1°♁53'47	
direct	1280 Apr 03 j 17:11	22°♁42'29			1282 Sep 30 j 06:36	0°♁	
greatest brilliancy	1280 Apr 15 j 06:09	25°♁06'17	-4.5m	desc. node	1282 Oct 11 j 19:46	14°♁22'59	
	1280 Apr 24 j 18:09	0°♁			1282 Oct 24 j 08:56	0°♁	
desc. node	1280 Apr 26 j 00:25	0°♁48'01			1282 Nov 17 j 12:22	0°♁	
morning max el	1280 May 22 j 14:57	22°♁48'05	45°49'03		1282 Dec 11 j 18:44	0°≈	
	1280 May 29 j 23:09	0°♁			1283 Jan 05 j 08:16	0°♁	
	1280 Jun 27 j 05:55	0°♁			1283 Jan 30 j 13:36	0°♁	
	1280 Jul 23 j 15:34	0°♁		asc. node	1283 Feb 01 j 22:57	2°♁46'43	
asc. node	1280 Aug 17 j 03:59	28°♁57'02			1283 Feb 26 j 05:20	0°♁	
	1280 Aug 18 j 01:00	0°♁		evening max el	1283 Mar 14 j 00:52	16°♁19'58	45°55'34
	1280 Sep 11 j 18:02	0°♁			1283 Mar 28 j 23:05	0°♁	
	1280 Oct 05 j 23:59	0°♁		greatest brilliancy	1283 Apr 17 j 09:27	13°♁15'50	-4.5m
	1280 Oct 29 j 23:29	0°♁		retrograde	1283 May 02 j 05:15	17°♁06'28	
morning set	1280 Nov 17 j 13:16	23°♁20'47		evening set	1283 May 17 j 07:21	12°♁40'03	
	1280 Nov 22 j 20:08	0°♁		inferior conj	1283 May 23 j 15:21	8°♁51'25	0°12'22
desc. node	1280 Dec 06 j 17:27	17°♁28'56		minimum elong	1283 May 23 j 15:48	8°♁50'43	0°12'14
	1280 Dec 16 j 16:10	0°♁		transit begin	1283 May 23 j 13:08	8°♁54'53	
				transit end	1283 May 23 j 18:28	8°♁46'32	
superior conj	1280 Dec 29 j 04:40	15°♁45'01	0°-50'-17	min. Earth dist.	1283 May 23 j 15:49	8°♁50'41	0.28936 AU
minimum elong	1280 Dec 28 j 17:20	15°♁09'23	0°49'50	desc. node	1283 May 24 j 12:21	8°♁18'31	
max. Earth dist.	1280 Dec 31 j 11:15	18°♁36'31	1.71178 AU	morning rise	1283 May 30 j 00:29	5°♁01'46	
	1281 Jan 09 j 12:54	0°≈		direct	1283 Jun 14 j 06:19	0°♁34'06	
	1281 Feb 02 j 11:33	0°♁		greatest brilliancy	1283 Jun 27 j 18:39	3°♁45'56	-4.5m
evening rise	1281 Feb 08 j 07:54	7°♁18'09			1283 Aug 01 j 16:00	0°♁	
	1281 Feb 26 j 13:36	0°♁		morning max el	1283 Aug 02 j 03:50	0°♁28'18	45°50'57
	1281 Mar 22 j 20:49	0°♁			1283 Aug 30 j 12:24	0°♁	
asc. node	1281 Mar 29 j 20:51	8°♁35'05		asc. node	1283 Sep 14 j 15:54	17°♁06'47	
	1281 Apr 16 j 10:51	0°♁			1283 Sep 25 j 17:10	0°♁	
	1281 May 11 j 09:45	0°♁			1283 Oct 20 j 16:53	0°♁	
	1281 Jun 05 j 21:12	0°♁			1283 Nov 14 j 01:34	0°♁	
	1281 Jul 02 j 05:46	0°♁			1283 Dec 08 j 03:09	0°♁	
desc. node	1281 Jul 19 j 10:02	18°♁37'42			1284 Jan 01 j 02:16	0°♁	
	1281 Jul 30 j 10:54	0°♁		desc. node	1284 Jan 04 j 05:14	3°♁54'45	
evening max el	1281 Aug 06 j 00:29	6°♁27'03	46°03'38		1284 Jan 25 j 01:21	0°≈	
	1281 Sep 03 j 19:39	0°♁		morning set	1284 Feb 03 j 19:58	12°≈13'14	
greatest brilliancy	1281 Sep 13 j 20:08	4°♁57'53	-4.6m		1284 Feb 18 j 01:48	0°♁	
retrograde	1281 Sep 24 j 08:31	6°♁58'50			1284 Mar 13 j 04:33	0°♁	
evening set	1281 Oct 10 j 09:59	2°♁02'36					
	1281 Oct 13 j 21:39	30°♁		superior conj	1284 Mar 14 j 18:08	1°♁56'34	-1°-19'-25
inferior conj	1281 Oct 15 j 02:05	29°♁16'53	-5°-57'-28	minimum elong	1284 Mar 15 j 01:33	2°♁19'34	1°19'18
minimum elong	1281 Oct 15 j 12:37	29°♁00'53	5°54'59	max. Earth dist.	1284 Mar 18 j 10:56	6°♁31'55	1.72573 AU
min. Earth dist.	1281 Oct 15 j 21:59	28°♁46'41	0.27006 AU		1284 Apr 06 j 10:20	0°♁	
morning rise	1281 Oct 20 j 14:41	26°♁01'40		evening rise	1284 Apr 22 j 03:53	19°♁22'47	
direct	1281 Nov 04 j 19:08	21°♁28'17		asc. node	1284 Apr 26 j 08:48	24°♁32'54	
asc. node	1281 Nov 09 j 13:25	21°♁55'18			1284 Apr 30 j 19:23	0°♁	
greatest brilliancy	1281 Nov 18 j 08:46	24°♁52'23	-4.7m		1284 May 25 j 07:42	0°♁	
	1281 Nov 27 j 04:47	0°♁			1284 Jun 18 j 23:33	0°♁	
morning max el	1281 Dec 25 j 14:27	24°♁59'24	46°57'16		1284 Jul 13 j 20:15	0°♁	
	1281 Dec 30 j 10:48	0°♁			1284 Aug 08 j 00:34	0°♁	
	1282 Jan 26 j 14:57	0°♁		desc. node	1284 Aug 15 j 21:51	9°♁17'19	
	1282 Feb 21 j 08:03	0°≈			1284 Sep 02 j 17:24	0°♁	

	1284 Sep 29 j 10:03	0°♁			1287 May 16 j 14:17	0°♁	
evening max el	1284 Oct 18 j 10:31	19°♁59'15	47°10'46	max. Earth dist.	1287 May 24 j 07:04	9°♁27'18	1.73599 AU
	1284 Oct 28 j 19:37	0°♁					
greatest brilliancy	1284 Nov 26 j 00:11	20°♁20'02	-4.7m	superior conj	1287 May 24 j 12:35	9°♁44'18	0°00'-48
asc. node	1284 Dec 07 j 01:24	23°♁02'15		minimum elong	1287 May 24 j 12:45	9°♁44'47	0°00'48
retrograde	1284 Dec 08 j 02:12	23°♁03'33		behind sun begin	1287 May 23 j 14:14	8°♁35'39	
evening set	1284 Dec 22 j 23:00	18°♁37'59		behind sun end	1287 May 25 j 11:15	10°♁53'55	
min. Earth dist.	1284 Dec 27 j 20:25	15°♁44'02	0.26655 AU	asc. node	1287 May 24 j 20:38	10°♁09'02	
inferior conj	1284 Dec 28 j 15:50	15°♁14'06	5°14'28		1287 Jun 10 j 00:29	0°♁	
minimum elong	1284 Dec 28 j 06:01	15°♁29'14	5°11'55	evening rise	1287 Jun 29 j 13:24	24°♁00'56	
morning rise	1285 Jan 02 j 13:34	12°♁18'27			1287 Jul 04 j 10:12	0°♁	
direct	1285 Jan 18 j 01:32	7°♁35'26			1287 Jul 28 j 19:37	0°♁	
greatest brilliancy	1285 Jan 28 j 21:21	9°♁47'25	-4.6m		1287 Aug 22 j 05:49	0°♁	
	1285 Feb 26 j 21:58	0°♁		desc. node	1287 Sep 13 j 09:55	27°♁08'05	
morning max el	1285 Mar 08 j 22:10	9°♁29'53	46°28'49		1287 Sep 15 j 18:14	0°♁	
	1285 Mar 28 j 16:32	0°♁			1287 Oct 10 j 10:24	0°♁	
desc. node	1285 Mar 28 j 14:48	29°♁55'20			1287 Nov 04 j 09:11	0°♁	
	1285 Apr 24 j 14:55	0°♁			1287 Nov 29 j 22:39	0°♁	
	1285 May 20 j 12:56	0°♁			1287 Dec 27 j 03:21	0°♁	
	1285 Jun 14 j 22:04	0°♁		evening max el	1287 Dec 30 j 07:37	3°♁16'22	47°05'54
	1285 Jul 09 j 21:38	0°♁		asc. node	1288 Jan 04 j 13:10	8°♁30'30	
asc. node	1285 Jul 19 j 18:11	11°♁57'22			1288 Jan 30 j 10:44	0°♁	
	1285 Aug 03 j 12:36	0°♁		greatest brilliancy	1288 Feb 05 j 08:04	3°♁14'58	-4.6m
	1285 Aug 27 j 19:58	0°♁		retrograde	1288 Feb 19 j 03:00	6°♁45'44	
morning set	1285 Sep 03 j 05:10	7°♁56'00		evening set	1288 Mar 07 j 21:38	0°♁38'43	
	1285 Sep 20 j 21:44	0°♁			1288 Mar 08 j 22:47	30°♁	
max. Earth dist.	1285 Oct 08 j 17:23	22°♁19'20	1.71521 AU	min. Earth dist.	1288 Mar 10 j 23:26	28°♁43'38	0.28260 AU
				inferior conj	1288 Mar 11 j 06:38	28°♁32'15	8°13'31
superior conj	1285 Oct 11 j 03:56	25°♁22'58	1°00'28	minimum elong	1288 Mar 11 j 12:51	28°♁22'26	8°12'55
minimum elong	1285 Oct 11 j 14:23	25°♁55'45	1°00'06	morning rise	1288 Mar 15 j 04:14	26°♁07'01	
	1285 Oct 14 j 20:15	0°♁		direct	1288 Apr 01 j 07:24	20°♁26'40	
	1285 Nov 07 j 17:34	0°♁		greatest brilliancy	1288 Apr 12 j 19:56	22°♁50'16	-4.5m
desc. node	1285 Nov 08 j 07:42	0°♁44'23		desc. node	1288 Apr 25 j 02:29	29°♁31'22	
evening rise	1285 Nov 20 j 16:39	16°♁16'43			1288 Apr 25 j 19:19	0°♁	
	1285 Dec 01 j 14:55	0°♁		morning max el	1288 May 20 j 06:30	20°♁36'10	45°49'59
	1285 Dec 25 j 13:24	0°♁			1288 May 29 j 18:57	0°♁	
	1286 Jan 18 j 14:47	0°♁			1288 Jun 26 j 20:46	0°♁	
	1286 Feb 11 j 22:05	0°♁			1288 Jul 23 j 04:27	0°♁	
asc. node	1286 Mar 01 j 10:59	21°♁20'12		asc. node	1288 Aug 16 j 06:04	28°♁27'26	
	1286 Mar 08 j 15:49	0°♁			1288 Aug 17 j 12:56	0°♁	
	1286 Apr 03 j 02:42	0°♁			1288 Sep 11 j 05:30	0°♁	
	1286 Apr 29 j 20:04	0°♁			1288 Oct 05 j 11:13	0°♁	
evening max el	1286 May 23 j 13:14	24°♁20'35	45°21'17		1288 Oct 29 j 10:38	0°♁	
	1286 May 29 j 14:41	0°♁		morning set	1288 Nov 15 j 00:26	20°♁50'01	
desc. node	1286 Jun 21 j 00:18	17°♁18'30			1288 Nov 22 j 07:14	0°♁	
greatest brilliancy	1286 Jun 28 j 06:33	21°♁02'40	-4.5m	desc. node	1288 Dec 05 j 19:26	17°♁00'22	
retrograde	1286 Jul 11 j 01:54	23°♁55'45			1288 Dec 16 j 03:14	0°♁	
evening set	1286 Jul 28 j 02:31	18°♁31'08					
inferior conj	1286 Aug 01 j 11:50	15°♁51'25	-7°-50'-29	superior conj	1288 Dec 26 j 14:04	13°♁08'56	0°-46'-56
minimum elong	1286 Aug 01 j 03:56	16°♁03'41	7°49'31	minimum elong	1288 Dec 26 j 03:09	12°♁34'36	0°46'31
min. Earth dist.	1286 Aug 01 j 18:33	15°♁40'58	0.28725 AU	max. Earth dist.	1288 Dec 28 j 17:59	15°♁52'07	1.71156 AU
morning rise	1286 Aug 05 j 05:04	13°♁34'28			1289 Jan 08 j 23:57	0°♁	
direct	1286 Aug 23 j 00:14	7°♁37'33			1289 Feb 01 j 22:35	0°♁	
greatest brilliancy	1286 Sep 06 j 10:54	11°♁17'31	-4.6m	evening rise	1289 Feb 05 j 18:59	4°♁48'30	
	1286 Oct 02 j 03:06	0°♁			1289 Feb 26 j 00:42	0°♁	
morning max el	1286 Oct 11 j 23:46	9°♁27'14	46°30'34		1289 Mar 22 j 08:03	0°♁	
asc. node	1286 Oct 12 j 03:44	9°♁37'11		asc. node	1289 Mar 28 j 23:00	8°♁07'04	
	1286 Oct 31 j 09:00	0°♁			1289 Apr 15 j 22:23	0°♁	
	1286 Nov 26 j 10:12	0°♁			1289 May 10 j 21:50	0°♁	
	1286 Dec 21 j 08:39	0°♁			1289 Jun 05 j 10:24	0°♁	
	1287 Jan 14 j 20:29	0°♁			1289 Jul 01 j 21:16	0°♁	
desc. node	1287 Jan 31 j 17:00	20°♁46'18		desc. node	1289 Jul 18 j 12:01	17°♁54'45	
	1287 Feb 08 j 04:26	0°♁			1289 Jul 30 j 08:20	0°♁	
	1287 Mar 04 j 11:33	0°♁		evening max el	1289 Aug 03 j 14:49	4°♁09'42	46°01'11
	1287 Mar 28 j 19:17	0°♁			1289 Sep 05 j 13:38	0°♁	
morning set	1287 Apr 17 j 12:43	24°♁17'01		greatest brilliancy	1289 Sep 11 j 07:12	2°♁32'35	-4.6m
	1287 Apr 22 j 04:17	0°♁		retrograde	1289 Sep 21 j 21:15	4°♁34'21	

	1289 Oct 07 j 06:40	30°♁		superior conj	1292 Mar 12 j 07:53	29°♁35'56	-1°-20'-43
evening set	1289 Oct 08 j 01:51	29°♁33'17		minimum elong	1292 Mar 12 j 14:42	29°♁57'03	1°20'38
inferior conj	1289 Oct 12 j 14:49	26°♁51'41	-6°-14'-18		1292 Mar 12 j 15:38	0°♃	
minimum elong	1289 Oct 13 j 01:26	26°♁35'33	6°11'55	max. Earth dist.	1292 Mar 16 j 04:51	4°♃24'20	1.72515 AU
min. Earth dist.	1289 Oct 13 j 10:57	26°♁21'04	0.27070 AU		1292 Apr 05 j 21:21	0°♄	
morning rise	1289 Oct 18 j 00:31	23°♁40'26		evening rise	1292 Apr 19 j 20:05	17°♄11'02	
direct	1289 Nov 02 j 09:16	19°♁02'12		asc. node	1292 Apr 25 j 10:48	24°♄05'07	
asc. node	1289 Nov 08 j 15:29	19°♁48'28			1292 Apr 30 j 06:27	0°♅	
greatest brilliancy	1289 Nov 15 j 23:21	22°♁27'20	-4.7m		1292 May 24 j 18:56	0°♆	
	1289 Nov 28 j 04:31	0°♇			1292 Jun 18 j 11:09	0°♇	
morning max el	1289 Dec 23 j 05:08	22°♇36'21	46°57'17		1292 Jul 13 j 08:27	0°♈	
	1289 Dec 30 j 07:40	0°♉			1292 Aug 07 j 13:44	0°♉	
	1290 Jan 26 j 06:50	0°♊		desc. node	1292 Aug 15 j 00:01	8°♉43'49	
	1290 Feb 20 j 21:49	0°♋			1292 Sep 02 j 08:17	0°♊	
desc. node	1290 Feb 28 j 05:04	8°♋40'51			1292 Sep 29 j 04:29	0°♋	
	1290 Mar 18 j 00:20	0°♌		evening max el	1292 Oct 15 j 23:44	17°♋33'11	47°09'03
	1290 Apr 11 j 21:23	0°♍			1292 Oct 29 j 01:32	0°♌	
	1290 May 06 j 15:41	0°♎		greatest brilliancy	1292 Nov 23 j 15:49	17°♌53'47	-4.7m
	1290 May 31 j 07:44	0°♏		retrograde	1292 Dec 05 j 14:23	20°♌33'45	
asc. node	1290 Jun 21 j 08:24	25°♏41'26		asc. node	1292 Dec 06 j 03:19	20°♌33'24	
morning set	1290 Jun 24 j 09:55	29°♏26'36		evening set	1292 Dec 20 j 09:07	16°♌12'27	
	1290 Jun 24 j 20:49	0°♐		min. Earth dist.	1292 Dec 25 j 10:17	13°♌13'26	0.26614 AU
	1290 Jul 19 j 06:13	0°♑		inferior conj	1292 Dec 26 j 04:22	12°♌45'35	4°54'46
max. Earth dist.	1290 Jul 27 j 12:35	10°♑12'30	1.73024 AU	minimum elong	1292 Dec 25 j 18:52	13°♌00'13	4°52'12
				morning rise	1292 Dec 31 j 05:04	9°♌45'35	
superior conj	1290 Jul 30 j 18:19	14°♑12'53	1°15'47	direct	1293 Jan 15 j 13:20	5°♌07'24	
minimum elong	1290 Jul 30 j 11:10	13°♑50'45	1°15'38	greatest brilliancy	1293 Jan 26 j 11:45	7°♌21'24	-4.6m
	1290 Aug 12 j 12:02	0°♒			1293 Feb 27 j 02:05	0°♍	
evening rise	1290 Sep 05 j 08:45	29°♒39'12		morning max el	1293 Mar 06 j 10:16	7°♍03'09	46°30'24
	1290 Sep 05 j 15:26	0°♓		desc. node	1293 Mar 27 j 16:52	29°♍12'32	
	1290 Sep 29 j 17:52	0°♈			1293 Mar 28 j 10:21	0°♎	
desc. node	1290 Oct 10 j 21:54	13°♈54'09			1293 Apr 24 j 05:25	0°♏	
	1290 Oct 23 j 20:29	0°♉			1293 May 20 j 01:50	0°♐	
	1290 Nov 17 j 00:16	0°♊			1293 Jun 14 j 10:03	0°♑	
	1290 Dec 11 j 07:05	0°♋			1293 Jul 09 j 09:07	0°♒	
	1291 Jan 04 j 21:22	0°♌		asc. node	1293 Jul 18 j 20:15	11°♒29'08	
	1291 Jan 30 j 04:05	0°♍			1293 Aug 02 j 23:49	0°♓	
asc. node	1291 Feb 01 j 01:04	2°♍10'22			1293 Aug 27 j 07:04	0°♈	
	1291 Feb 25 j 23:12	0°♎		morning set	1293 Aug 31 j 21:08	5°♈41'54	
evening max el	1291 Mar 11 j 17:02	14°♎07'52	45°57'48		1293 Sep 20 j 08:48	0°♉	
	1291 Mar 29 j 07:06	0°♏		max. Earth dist.	1293 Oct 06 j 04:28	19°♉48'48	1.71564 AU
greatest brilliancy	1291 Apr 15 j 03:08	11°♏07'51	-4.5m				
retrograde	1291 Apr 29 j 21:42	14°♏56'57		superior conj	1293 Oct 08 j 17:33	23°♏00'19	1°02'57
evening set	1291 May 15 j 00:49	10°♏29'35		minimum elong	1293 Oct 09 j 03:54	23°♏32'47	1°02'37
inferior conj	1291 May 21 j 07:47	6°♏41'58	0°32'10		1293 Oct 14 j 07:22	0°♐	
minimum elong	1291 May 21 j 08:58	6°♏40'06	0°31'49		1293 Nov 07 j 04:46	0°♑	
min. Earth dist.	1291 May 21 j 08:23	6°♏41'01	0.28924 AU	desc. node	1293 Nov 07 j 09:42	0°♒15'28	
desc. node	1291 May 23 j 14:23	5°♏16'41		evening rise	1293 Nov 18 j 03:28	13°♒44'41	
morning rise	1291 May 27 j 17:21	2°♏51'22			1293 Dec 01 j 02:15	0°♓	
	1291 Jun 02 j 23:42	30°♐			1293 Dec 25 j 00:52	0°♈	
direct	1291 Jun 11 j 22:52	28°♐24'57			1294 Jan 18 j 02:26	0°♉	
	1291 Jun 21 j 07:00	0°♑			1294 Feb 11 j 10:04	0°♊	
greatest brilliancy	1291 Jun 25 j 08:08	1°♑33'27	-4.5m	asc. node	1294 Feb 28 j 13:05	20°♑49'08	
morning max el	1291 Jul 30 j 19:17	28°♑16'40	45°50'05		1294 Mar 08 j 04:26	0°♋	
	1291 Aug 01 j 14:07	0°♒			1294 Apr 02 j 16:34	0°♌	
	1291 Aug 30 j 04:04	0°♓			1294 Apr 29 j 12:48	0°♍	
asc. node	1291 Sep 13 j 18:03	16°♓32'01		evening max el	1294 May 21 j 03:50	22°♓06'25	45°21'22
	1291 Sep 25 j 06:38	0°♈			1294 May 29 j 17:03	0°♎	
	1291 Oct 20 j 05:21	0°♉		desc. node	1294 Jun 20 j 02:16	15°♓56'56	
	1291 Nov 13 j 13:31	0°♊		greatest brilliancy	1294 Jun 25 j 17:59	18°♓46'31	-4.5m
	1291 Dec 07 j 14:50	0°♋		retrograde	1294 Jul 08 j 17:23	21°♓44'13	
	1291 Dec 31 j 13:45	0°♌		evening set	1294 Jul 25 j 14:40	16°♓23'36	
desc. node	1292 Jan 03 j 07:14	3°♌25'04		inferior conj	1294 Jul 30 j 03:28	13°♓39'01	-7°-41'-8
	1292 Jan 24 j 12:42	0°♍		minimum elong	1294 Jul 29 j 19:06	13°♓52'01	7°40'01
morning set	1292 Feb 01 j 06:38	9°♍41'22		min. Earth dist.	1294 Jul 30 j 09:33	13°♓29'35	0.28759 AU
	1292 Feb 17 j 13:00	0°♎		morning rise	1294 Aug 02 j 23:14	11°♓18'27	
				direct	1294 Aug 20 j 15:53	5°♓24'27	

greatest brilliancy	1294 Sep 04 j 04:03	9°♁05'52	-4.6m	evening rise	1297 Feb 03 j 06:16	2°♁19'19	
	1294 Oct 02 j 05:24	0°♁			1297 Feb 25 j 11:49	0°♁	
morning max el	1294 Oct 09 j 15:05	7°♁10'06	46°29'13		1297 Mar 21 j 19:18	0°♁	
asc. node	1294 Oct 11 j 05:43	8°♁47'07		asc. node	1297 Mar 28 j 00:59	7°♁38'33	
	1294 Oct 31 j 02:05	0°♁			1297 Apr 15 j 09:56	0°♁	
	1294 Nov 26 j 00:31	0°♁			1297 May 10 j 10:00	0°♁	
	1294 Dec 20 j 21:41	0°♁			1297 Jun 04 j 23:45	0°♁	
	1295 Jan 14 j 08:47	0°♁			1297 Jul 01 j 13:03	0°♁	
desc. node	1295 Jan 30 j 19:12	20°♁16'15		desc. node	1297 Jul 17 j 14:12	17°♁11'46	
	1295 Feb 07 j 16:15	0°♁			1297 Jul 30 j 06:37	0°♁	
	1295 Mar 03 j 23:01	0°♁		evening max el	1297 Aug 01 j 05:28	1°♁53'12	45°58'50
	1295 Mar 28 j 06:30	0°♁			1297 Sep 08 j 09:27	0°♁	
morning set	1295 Apr 15 j 05:10	22°♁05'53		greatest brilliancy	1297 Sep 08 j 19:08	0°♁08'59	-4.6m
	1295 Apr 21 j 15:19	0°♁		retrograde	1297 Sep 19 j 09:46	2°♁10'42	
	1295 May 16 j 01:13	0°♁			1297 Sep 29 j 21:13	30°♁	
				evening set	1297 Oct 05 j 17:58	27°♁05'05	
superior conj	1295 May 22 j 06:24	7°♁38'10	0°-4'00	inferior conj	1297 Oct 10 j 03:47	24°♁27'32	-6°-30'-12
minimum elong	1295 May 22 j 07:14	7°♁40'43	0°03'59	minimum elong	1297 Oct 10 j 14:23	24°♁11'23	6°27'57
behind sun begin	1295 May 21 j 09:10	6°♁32'58		min. Earth dist.	1297 Oct 11 j 00:10	23°♁56'29	0.27134 AU
behind sun end	1295 May 23 j 05:17	8°♁48'28		morning rise	1297 Oct 15 j 10:21	21°♁20'17	
max. Earth dist.	1295 May 22 j 04:08	7°♁31'12	1.73590 AU	direct	1297 Oct 30 j 23:30	16°♁37'15	
asc. node	1295 May 23 j 22:37	9°♁41'39		asc. node	1297 Nov 07 j 17:30	17°♁47'19	
	1295 Jun 09 j 11:23	0°♁		greatest brilliancy	1297 Nov 13 j 13:37	20°♁02'28	-4.7m
evening rise	1295 Jun 27 j 08:23	21°♁58'08			1297 Nov 28 j 21:55	0°♁	
	1295 Jul 03 j 21:11	0°♁		morning max el	1297 Dec 20 j 19:09	20°♁11'51	46°57'09
	1295 Jul 28 j 06:50	0°♁			1297 Dec 30 j 03:46	0°♁	
	1295 Aug 21 j 17:25	0°♁			1298 Jan 25 j 22:23	0°♁	
desc. node	1295 Sep 12 j 12:00	26°♁37'36			1298 Feb 20 j 11:23	0°♁	
	1295 Sep 15 j 06:22	0°♁		desc. node	1298 Feb 27 j 07:06	8°♁07'35	
	1295 Oct 09 j 23:16	0°♁			1298 Mar 17 j 12:46	0°♁	
	1295 Nov 03 j 23:09	0°♁			1298 Apr 11 j 09:06	0°♁	
	1295 Nov 29 j 14:38	0°♁			1298 May 06 j 02:55	0°♁	
	1295 Dec 27 j 00:35	0°♁			1298 May 30 j 18:39	0°♁	
evening max el	1295 Dec 27 j 22:48	0°♁56'48	47°07'45	asc. node	1298 Jun 20 j 10:31	25°♁14'55	
asc. node	1296 Jan 03 j 15:17	7°♁36'08		morning set	1298 Jun 22 j 04:16	27°♁22'48	
	1296 Feb 01 j 01:45	0°♁			1298 Jun 24 j 07:35	0°♁	
greatest brilliancy	1296 Feb 02 j 23:31	0°♁57'32	-4.6m		1298 Jul 18 j 16:56	0°♁	
retrograde	1296 Feb 16 j 19:12	4°♁29'10		max. Earth dist.	1298 Jul 25 j 05:43	8°♁03'59	1.73067 AU
	1296 Mar 02 j 18:04	30°♁					
evening set	1296 Mar 05 j 14:57	28°♁19'05		superior conj	1298 Jul 28 j 12:27	12°♁07'19	1°14'19
min. Earth dist.	1296 Mar 08 j 13:36	26°♁28'58	0.28220 AU	minimum elong	1298 Jul 28 j 04:57	11°♁44'08	1°14'08
inferior conj	1296 Mar 08 j 21:58	26°♁15'47	8°20'25		1298 Aug 11 j 22:49	0°♁	
minimum elong	1296 Mar 09 j 03:32	26°♁07'00	8°19'56	evening rise	1298 Sep 03 j 00:37	27°♁25'22	
morning rise	1296 Mar 12 j 16:20	23°♁55'43			1298 Sep 05 j 02:21	0°♁	
direct	1296 Mar 29 j 22:13	18°♁10'52			1298 Sep 29 j 05:00	0°♁	
greatest brilliancy	1296 Apr 10 j 09:06	20°♁33'24	-4.5m	desc. node	1298 Oct 09 j 23:50	13°♁25'10	
desc. node	1296 Apr 24 j 04:30	28°♁16'44			1298 Oct 23 j 07:53	0°♁	
	1296 Apr 26 j 13:58	0°♁			1298 Nov 16 j 12:01	0°♁	
morning max el	1296 May 17 j 22:56	18°♁25'55	45°50'46		1298 Dec 10 j 19:21	0°♁	
	1296 May 29 j 14:22	0°♁			1299 Jan 04 j 10:23	0°♁	
	1296 Jun 26 j 11:37	0°♁			1299 Jan 29 j 18:33	0°♁	
	1296 Jul 22 j 17:25	0°♁		asc. node	1299 Jan 31 j 03:11	1°♁34'18	
asc. node	1296 Aug 15 j 08:14	27°♁57'47			1299 Feb 25 j 17:15	0°♁	
	1296 Aug 17 j 00:57	0°♁		evening max el	1299 Mar 09 j 08:35	11°♁54'41	46°00'07
	1296 Sep 10 j 17:01	0°♁			1299 Mar 29 j 17:35	0°♁	
	1296 Oct 04 j 22:31	0°♁		greatest brilliancy	1299 Apr 12 j 20:51	9°♁00'45	-4.5m
	1296 Oct 28 j 21:51	0°♁		retrograde	1299 Apr 27 j 13:52	12°♁48'43	
morning set	1296 Nov 12 j 11:52	18°♁19'52		evening set	1299 May 12 j 18:34	8°♁20'05	
	1296 Nov 21 j 18:25	0°♁		inferior conj	1299 May 19 j 00:24	4°♁33'50	0°51'45
desc. node	1296 Dec 04 j 21:28	16°♁31'43		minimum elong	1299 May 19 j 02:17	4°♁30'51	0°51'13
	1296 Dec 15 j 14:22	0°♁		min. Earth dist.	1299 May 19 j 01:21	4°♁32'20	0.28911 AU
				desc. node	1299 May 22 j 16:21	2°♁17'26	
superior conj	1296 Dec 23 j 23:39	10°♁33'04	0°-43'-31	morning rise	1299 May 25 j 10:13	0°♁42'26	
minimum elong	1296 Dec 23 j 13:15	10°♁00'22	0°43'05		1299 May 26 j 18:12	30°♁	
max. Earth dist.	1296 Dec 26 j 02:49	13°♁13'59	1.71132 AU	direct	1299 Jun 09 j 15:09	26°♁17'06	
	1297 Jan 08 j 11:02	0°♁		greatest brilliancy	1299 Jun 22 j 22:17	29°♁22'48	-4.5m
	1297 Feb 01 j 09:40	0°♁			1299 Jun 24 j 06:56	0°♁	

morning max el	1299 Jul 28 j 10:11	26°♁04'31	45°49'11
	1299 Aug 01 j 11:07	0°♁	
	1299 Aug 29 j 19:16	0°♁	
asc. node	1299 Sep 12 j 20:00	15°♁57'36	
	1299 Sep 24 j 19:47	0°♁	
	1299 Oct 19 j 17:33	0°♁	
	1299 Nov 13 j 01:13	0°♁	
	1299 Dec 07 j 02:13	0°♁	
desc. node	1299 Dec 31 j 00:58	0°♁	
	1300 Jan 02 j 09:23	2°♁56'45	
	1300 Jan 23 j 23:46	0°♁	
morning set	1300 Jan 29 j 17:05	7°♁09'31	
	1300 Feb 16 j 23:57	0°♁	
superior conj	1300 Mar 09 j 21:34	27°♁15'46	-1°-21'-53
minimum elong	1300 Mar 10 j 03:42	27°♁34'49	1°21'49
	1300 Mar 12 j 02:29	0°♁	
max. Earth dist.	1300 Mar 13 j 20:26	2°♁10'11	1.72456 AU
	1300 Apr 05 j 08:07	0°♁	
evening rise	1300 Apr 17 j 12:13	14°♁59'53	
asc. node	1300 Apr 24 j 12:51	23°♁38'15	
	1300 Apr 29 j 17:14	0°♁	
	1300 May 24 j 05:53	0°♁	
	1300 Jun 17 j 22:27	0°♁	
	1300 Jul 12 j 20:22	0°♁	
desc. node	1300 Aug 07 j 02:41	0°♁	
	1300 Aug 14 j 02:01	8°♁10'31	