

superior conj	1300 Mar 09 j 21:34	27° K 15'46	-1°-21'-53	greatest brilliancy	1302 Sep 01 j 20:38	6° Ω 55'13	-4.5m
minimum elong	1300 Mar 10 j 03:42	27° K 34'49	1°21'49		1302 Oct 02 j 05:48	0° M	
	1300 Mar 12 j 02:29	0° Y		morning max el	1302 Oct 07 j 06:55	4° M 55'46	46°27'39
max. Earth dist.	1300 Mar 13 j 20:26	2° Y 10'11	1.72456 AU	asc. node	1302 Oct 10 j 07:47	7° M 59'25	
	1300 Apr 05 j 08:07	0° C			1302 Oct 30 j 18:28	0° E	
evening rise	1300 Apr 17 j 12:13	14° C 59'53			1302 Nov 25 j 14:23	0° M	
asc. node	1300 Apr 24 j 12:51	23° C 38'15			1302 Dec 20 j 10:24	0° A	
	1300 Apr 29 j 17:14	0° II		desc. node	1303 Jan 13 j 20:49	0° C	
	1300 May 24 j 05:53	0° E			1303 Jan 29 j 21:16	19° C 46'35	
	1300 Jun 17 j 22:27	0° Ω			1303 Feb 07 j 03:48	0° \approx	
	1300 Jul 12 j 20:22	0° M			1303 Mar 03 j 10:11	0° K	
	1300 Aug 07 j 02:41	0° E			1303 Mar 27 j 17:25	0° Y	
desc. node	1300 Aug 14 j 02:01	8° E 10'31		morning set	1303 Apr 12 j 21:21	19° Y 54'48	
	1300 Sep 01 j 23:04	0° M			1303 Apr 21 j 02:03	0° C	
	1300 Sep 28 j 23:07	0° A			1303 May 15 j 11:51	0° II	
evening max el	1300 Oct 13 j 12:26	15° A 06'43	47°07'22				
	1300 Oct 29 j 09:22	0° C		superior conj	1303 May 20 j 00:04	5° II 32'22	0°-7'-12
greatest brilliancy	1300 Nov 21 j 06:57	15° C 27'44	-4.7m	minimum elong	1303 May 20 j 01:34	5° II 36'59	0°07'08
retrograde	1300 Dec 03 j 02:36	18° C 05'08		behind sun begin	1303 May 19 j 05:05	4° II 34'04	
asc. node	1300 Dec 05 j 05:28	17° C 59'37		behind sun end	1303 May 20 j 22:03	6° II 39'53	
evening set	1300 Dec 17 j 19:27	13° C 47'20		max. Earth dist.	1303 May 20 j 02:20	5° II 39'19	1.73580 AU
min. Earth dist.	1300 Dec 23 j 00:15	10° C 43'44	0.26577 AU	asc. node	1303 May 23 j 00:46	9° II 15'37	
inferior conj	1300 Dec 23 j 16:56	10° C 18'04	4°34'25		1303 Jun 08 j 22:01	0° E	
minimum elong	1300 Dec 23 j 07:51	10° C 32'03	4°31'53	evening rise	1303 Jun 25 j 03:24	19° E 56'18	
morning rise	1300 Dec 28 j 20:34	7° C 14'03			1303 Jul 03 j 07:54	0° Ω	
direct	1301 Jan 13 j 01:01	2° C 40'07			1303 Jul 27 j 17:45	0° M	
greatest brilliancy	1301 Jan 24 j 02:53	4° C 57'16	-4.6m		1303 Aug 21 j 04:41	0° E	
	1301 Feb 27 j 04:10	0° \approx		desc. node	1303 Sep 11 j 14:00	26° E 07'57	
morning max el	1301 Mar 03 j 22:51	4° \approx 38'31	46°31'57		1303 Sep 14 j 18:10	0° M	
desc. node	1301 Mar 26 j 18:51	28° \approx 31'07			1303 Oct 09 j 11:50	0° A	
	1301 Mar 28 j 03:24	0° K			1303 Nov 03 j 12:55	0° C	
	1301 Apr 23 j 19:25	0° Y			1303 Nov 29 j 06:38	0° \approx	
	1301 May 19 j 14:19	0° C		evening max el	1303 Dec 25 j 14:39	28° \approx 39'11	47°09'21
	1301 Jun 13 j 21:41	0° II			1303 Dec 26 j 22:29	0° K	
	1301 Jul 08 j 20:14	0° E		asc. node	1304 Jan 02 j 17:24	6° K 40'58	
asc. node	1301 Jul 17 j 22:24	11° E 02'19		greatest brilliancy	1304 Jan 31 j 15:37	28° K 40'39	-4.6m
	1301 Aug 02 j 10:39	0° Ω			1304 Feb 03 j 16:53	0° Y	
	1301 Aug 26 j 17:48	0° M		retrograde	1304 Feb 14 j 11:13	2° Y 11'43	
morning set	1301 Aug 29 j 13:21	3° M 29'45			1304 Feb 24 j 17:58	30° K	
	1301 Sep 19 j 19:32	0° E		evening set	1304 Mar 03 j 07:45	25° K 59'08	
max. Earth dist.	1301 Oct 03 j 17:42	17° E 26'00	1.71613 AU	min. Earth dist.	1304 Mar 06 j 03:17	24° K 13'52	0.28175 AU
				inferior conj	1304 Mar 06 j 12:58	23° K 58'37	8°26'36
superior conj	1301 Oct 06 j 07:13	20° E 38'48	1°05'19	minimum elong	1304 Mar 06 j 17:52	23° K 50'53	8°26'14
minimum elong	1301 Oct 06 j 17:25	21° E 10'45	1°05'00	morning rise	1304 Mar 10 j 04:13	21° K 43'26	
	1301 Oct 13 j 18:11	0° M		direct	1304 Mar 27 j 13:07	15° K 54'36	
desc. node	1301 Nov 06 j 11:47	29° M 47'40		greatest brilliancy	1304 Apr 07 j 21:01	18° K 14'55	-4.5m
	1301 Nov 06 j 15:43	0° A		desc. node	1304 Apr 23 j 06:36	27° K 04'39	
evening rise	1301 Nov 15 j 14:08	11° A 13'02			1304 Apr 27 j 03:46	0° Y	
	1301 Nov 30 j 13:19	0° C		morning max el	1304 May 15 j 14:52	16° Y 14'52	45°51'34
	1301 Dec 24 j 12:03	0° \approx			1304 May 29 j 09:02	0° C	
	1302 Jan 17 j 13:48	0° K			1304 Jun 26 j 02:03	0° II	
	1302 Feb 10 j 21:47	0° Y			1304 Jul 22 j 06:05	0° E	
asc. node	1302 Feb 27 j 15:04	20° Y 18'33		asc. node	1304 Aug 14 j 10:08	27° E 28'07	
	1302 Mar 07 j 16:49	0° C			1304 Aug 16 j 12:41	0° Ω	
	1302 Apr 02 j 06:15	0° II			1304 Sep 10 j 04:17	0° M	
	1302 Apr 29 j 05:31	0° E			1304 Oct 04 j 09:33	0° E	
evening max el	1302 May 18 j 19:20	19° E 55'25	45°21'35		1304 Oct 28 j 08:47	0° M	
	1302 May 29 j 20:33	0° Ω		morning set	1304 Nov 09 j 23:44	15° M 51'58	
desc. node	1302 Jun 19 j 04:29	14° Ω 34'16			1304 Nov 21 j 05:19	0° A	
greatest brilliancy	1302 Jun 23 j 05:28	16° Ω 31'42	-4.5m	desc. node	1304 Dec 03 j 23:38	16° A 04'11	
retrograde	1302 Jul 06 j 09:21	19° Ω 34'01			1304 Dec 15 j 01:16	0° C	
evening set	1302 Jul 23 j 02:57	14° Ω 17'29					
inferior conj	1302 Jul 27 j 19:09	11° Ω 28'02	-7°-31'-13	superior conj	1304 Dec 21 j 09:15	7° C 57'59	0°-40'00
minimum elong	1302 Jul 27 j 10:22	11° Ω 41'38	7°29'57	minimum elong	1304 Dec 20 j 23:28	7° C 27'14	0°39'35
min. Earth dist.	1302 Jul 28 j 00:15	11° Ω 20'07	0.28787 AU	max. Earth dist.	1304 Dec 23 j 11:51	10° C 37'06	1.71115 AU
morning rise	1302 Jul 31 j 17:33	9° Ω 03'45			1305 Jan 07 j 21:57	0° \approx	
direct	1302 Aug 18 j 08:07	3° Ω 13'00		evening rise	1305 Jan 31 j 17:07	29° \approx 49'04	

	1305 Jan 31 j 20:37	0°♁			1307 Aug 29 j 10:23	0°♍	
	1305 Feb 24 j 22:49	0°♁		asc. node	1307 Sep 11 j 22:06	15°♍23'31	
	1305 Mar 21 j 06:27	0°♁			1307 Sep 24 j 08:57	0°♎	
asc. node	1305 Mar 27 j 03:01	7°♁10'30			1307 Oct 19 j 05:49	0°♏	
	1305 Apr 14 j 21:24	0°♁			1307 Nov 12 j 12:59	0°♐	
	1305 May 09 j 22:07	0°♁			1307 Dec 06 j 13:41	0°♑	
	1305 Jun 04 j 13:07	0°♍			1307 Dec 30 j 12:13	0°♒	
desc. node	1305 Jul 01 j 05:01	0°♎		desc. node	1308 Jan 01 j 11:24	2°♒27'54	
	1305 Jul 16 j 16:13	16°♎28'01			1308 Jan 23 j 10:52	0°♓	
evening max el	1305 Jul 29 j 19:25	29°♎35'22	45°56'29	morning set	1308 Jan 27 j 03:49	4°♓38'23	
	1305 Jul 30 j 05:42	0°♏			1308 Feb 16 j 10:54	0°♁	
greatest brilliancy	1305 Sep 06 j 08:12	27°♏47'18	-4.6m				
retrograde	1305 Sep 16 j 21:58	29°♏48'02		superior conj	1308 Mar 07 j 11:30	24°♁56'15	-1°-22'-54
evening set	1305 Oct 03 j 10:12	24°♏37'56		minimum elong	1308 Mar 07 j 16:54	25°♁13'01	1°22'51
inferior conj	1305 Oct 07 j 16:54	22°♏04'33	-6°-45'-23	max. Earth dist.	1308 Mar 11 j 10:48	29°♁52'09	1.72400 AU
minimum elong	1305 Oct 08 j 03:23	21°♏48'31	6°43'15		1308 Mar 11 j 13:20	0°♁	
min. Earth dist.	1305 Oct 08 j 13:45	21°♏32'42	0.27193 AU		1308 Apr 04 j 18:57	0°♁	
morning rise	1305 Oct 12 j 20:08	19°♏01'28		evening rise	1308 Apr 15 j 04:23	12°♁48'29	
direct	1305 Oct 28 j 13:18	14°♏13'28		asc. node	1308 Apr 23 j 15:00	23°♁11'22	
asc. node	1305 Nov 06 j 19:36	15°♏51'56			1308 Apr 29 j 04:09	0°♁	
greatest brilliancy	1305 Nov 11 j 04:08	17°♏38'53	-4.7m		1308 May 23 j 17:01	0°♁	
	1305 Nov 29 j 10:31	0°♐			1308 Jun 17 j 09:58	0°♍	
morning max el	1305 Dec 18 j 08:04	17°♐45'14	46°57'00		1308 Jul 12 j 08:31	0°♎	
	1305 Dec 29 j 23:01	0°♑			1308 Aug 06 j 15:56	0°♏	
	1306 Jan 25 j 13:32	0°♒		desc. node	1308 Aug 13 j 04:01	7°♏36'27	
	1306 Feb 20 j 00:43	0°♓			1308 Sep 01 j 14:16	0°♐	
desc. node	1306 Feb 26 j 09:03	7°♓34'34			1308 Sep 28 j 18:30	0°♑	
	1306 Mar 17 j 01:06	0°♁		evening max el	1308 Oct 11 j 01:07	12°♑39'45	47°05'39
	1306 Apr 10 j 20:47	0°♁			1308 Oct 29 j 20:20	0°♒	
	1306 May 05 j 14:08	0°♁		greatest brilliancy	1308 Nov 18 j 21:11	12°♒59'49	-4.7m
	1306 May 30 j 05:33	0°♁		retrograde	1308 Nov 30 j 15:07	15°♒35'51	
morning set	1306 Jun 19 j 22:18	25°♁18'05		asc. node	1308 Dec 04 j 07:34	15°♒19'02	
asc. node	1306 Jun 19 j 12:36	24°♁48'21		evening set	1308 Dec 15 j 05:54	11°♒20'53	
	1306 Jun 23 j 18:19	0°♁		min. Earth dist.	1308 Dec 20 j 13:53	8°♒13'22	0.26540 AU
	1306 Jul 18 j 03:38	0°♍		inferior conj	1308 Dec 21 j 05:22	7°♒49'37	4°13'17
max. Earth dist.	1306 Jul 22 j 22:52	5°♍55'39	1.73111 AU	minimum elong	1308 Dec 20 j 20:46	8°♒02'49	4°10'49
				morning rise	1308 Dec 26 j 11:54	4°♒41'56	
superior conj	1306 Jul 26 j 06:26	10°♍01'25	1°12'44	direct	1309 Jan 10 j 12:51	0°♒11'49	
minimum elong	1306 Jul 25 j 22:37	9°♍37'16	1°12'32	greatest brilliancy	1309 Jan 21 j 17:41	2°♒32'08	-4.6m
	1306 Aug 11 j 09:36	0°♎			1309 Feb 27 j 05:01	0°♓	
evening rise	1306 Aug 31 j 16:34	25°♎11'48		morning max el	1309 Mar 01 j 12:19	2°♓15'40	46°33'40
	1306 Sep 04 j 13:17	0°♏		desc. node	1309 Mar 25 j 21:00	27°♓50'25	
	1306 Sep 28 j 16:08	0°♐			1309 Mar 27 j 20:11	0°♁	
desc. node	1306 Oct 09 j 01:57	12°♐56'43			1309 Apr 23 j 09:21	0°♁	
	1306 Oct 22 j 19:17	0°♑			1309 May 19 j 02:51	0°♁	
	1306 Nov 15 j 23:45	0°♒			1309 Jun 13 j 09:27	0°♁	
	1306 Dec 10 j 07:33	0°♓			1309 Jul 08 j 07:34	0°♁	
	1307 Jan 03 j 23:22	0°♁		asc. node	1309 Jul 17 j 00:21	10°♁34'08	
	1307 Jan 29 j 09:06	0°♁			1309 Aug 01 j 21:44	0°♍	
asc. node	1307 Jan 30 j 05:07	0°♁57'39			1309 Aug 26 j 04:46	0°♎	
	1307 Feb 25 j 11:45	0°♁		morning set	1309 Aug 27 j 05:30	1°♎16'45	
evening max el	1307 Mar 06 j 23:09	9°♁38'49	46°02'15		1309 Sep 19 j 06:30	0°♏	
	1307 Mar 30 j 07:57	0°♁		max. Earth dist.	1309 Oct 01 j 07:44	15°♏05'01	1.71660 AU
greatest brilliancy	1307 Apr 10 j 13:50	6°♁51'59	-4.5m				
retrograde	1307 Apr 25 j 05:54	10°♁39'48		superior conj	1309 Oct 03 j 20:50	18°♏16'27	1°07'35
evening set	1307 May 10 j 12:16	6°♁09'24		minimum elong	1309 Oct 04 j 06:47	18°♏47'38	1°07'17
inferior conj	1307 May 16 j 16:53	2°♁24'56	1°11'29		1309 Oct 13 j 05:15	0°♐	
minimum elong	1307 May 16 j 19:29	2°♁20'50	1°10'43	desc. node	1309 Nov 05 j 13:53	29°♐19'06	
min. Earth dist.	1307 May 16 j 18:23	2°♁22'33	0.28902 AU		1309 Nov 06 j 02:55	0°♑	
	1307 May 20 j 14:24	30°♁		evening rise	1309 Nov 13 j 00:48	8°♑40'40	
desc. node	1307 May 21 j 18:31	29°♁18'34			1309 Nov 30 j 00:39	0°♒	
morning rise	1307 May 23 j 02:49	28°♁33'01			1309 Dec 23 j 23:32	0°♓	
direct	1307 Jun 07 j 06:54	24°♁08'16			1310 Jan 17 j 01:27	0°♁	
greatest brilliancy	1307 Jun 20 j 13:28	27°♁12'41	-4.5m		1310 Feb 10 j 09:46	0°♁	
	1307 Jun 26 j 02:00	0°♁		asc. node	1310 Feb 26 j 17:10	19°♁47'39	
morning max el	1307 Jul 26 j 00:58	23°♁51'35	45°48'25		1310 Mar 07 j 05:26	0°♁	
	1307 Aug 01 j 07:35	0°♁			1310 Apr 01 j 20:13	0°♁	

	1310 Apr 28 j 22:45	0°☿		morning set	1312 Nov 07 j 11:26	13°♍22'27	
evening max el	1310 May 16 j 11:35	17°☿45'50	45°21'43		1312 Nov 20 j 16:34	0°♁	
	1310 May 30 j 02:11	0°♁		desc. node	1312 Dec 03 j 01:36	15°♁35'00	
desc. node	1310 Jun 18 j 06:26	13°♁07'56			1312 Dec 14 j 12:30	0°♁	
greatest brilliancy	1310 Jun 20 j 17:55	14°♁17'31	-4.5m				
retrograde	1310 Jul 04 j 01:23	17°♁23'06		superior conj	1312 Dec 18 j 18:40	5°♁21'20	0°-36'-22
evening set	1310 Jul 20 j 15:23	12°♁10'50		minimum elong	1312 Dec 18 j 09:35	4°♁52'47	0°35'59
inferior conj	1310 Jul 25 j 10:54	9°♁16'20	-7°-20'-34	max. Earth dist.	1312 Dec 20 j 18:01	7°♁50'15	1.71096 AU
minimum elong	1310 Jul 25 j 01:48	9°♁30'27	7°19'10		1313 Jan 07 j 09:11	0°♁	
min. Earth dist.	1310 Jul 25 j 14:52	9°♁10'11	0.28816 AU	evening rise	1313 Jan 29 j 03:46	27°♁17'08	
morning rise	1310 Jul 29 j 12:02	6°♁48'08			1313 Jan 31 j 07:52	0°♁	
direct	1310 Aug 16 j 00:49	1°♁01'03			1313 Feb 24 j 10:09	0°♁	
greatest brilliancy	1310 Aug 30 j 12:34	4°♁42'56	-4.5m		1313 Mar 20 j 17:55	0°♁	
	1310 Oct 02 j 05:30	0°♁		asc. node	1313 Mar 26 j 05:10	6°♁41'48	
morning max el	1310 Oct 04 j 22:50	2°♁40'52	46°26'01		1313 Apr 14 j 09:11	0°♁	
asc. node	1310 Oct 09 j 09:55	7°♁11'39			1313 May 09 j 10:32	0°♁	
	1310 Oct 30 j 10:55	0°♁			1313 Jun 04 j 02:48	0°♁	
	1310 Nov 25 j 04:27	0°♁			1313 Jun 30 j 21:25	0°♁	
	1310 Dec 19 j 23:21	0°♁		desc. node	1313 Jul 15 j 18:12	15°♁43'20	
	1311 Jan 13 j 09:05	0°♁		evening max el	1313 Jul 27 j 08:26	27°♁15'01	45°54'07
desc. node	1311 Jan 28 j 23:11	19°♁15'35			1313 Jul 30 j 06:01	0°♁	
	1311 Feb 06 j 15:37	0°♁		greatest brilliancy	1313 Sep 03 j 21:20	25°♁25'30	-4.6m
	1311 Mar 02 j 21:39	0°♁		retrograde	1313 Sep 14 j 09:59	27°♁25'21	
	1311 Mar 27 j 04:36	0°♁		evening set	1313 Oct 01 j 02:30	22°♁10'29	
morning set	1311 Apr 10 j 13:48	17°♁43'38		inferior conj	1313 Oct 05 j 06:10	19°♁41'21	-6°-59'-34
	1311 Apr 20 j 13:02	0°♁		minimum elong	1313 Oct 05 j 16:29	19°♁25'34	6°57'35
	1311 May 14 j 22:43	0°♁		min. Earth dist.	1313 Oct 06 j 03:41	19°♁08'26	0.27261 AU
				morning rise	1313 Oct 10 j 05:59	16°♁42'38	
superior conj	1311 May 17 j 18:01	3°♁26'42	0°-10'-22	direct	1313 Oct 26 j 02:49	11°♁49'04	
minimum elong	1311 May 17 j 20:10	3°♁33'21	0°10'16	asc. node	1313 Nov 05 j 21:40	14°♁00'16	
behind sun begin	1311 May 17 j 02:38	2°♁39'27		greatest brilliancy	1313 Nov 08 j 20:04	15°♁16'20	-4.7m
behind sun end	1311 May 18 j 13:43	4°♁27'14			1313 Nov 29 j 20:22	0°♁	
max. Earth dist.	1311 May 18 j 02:13	3°♁51'55	1.73565 AU	morning max el	1313 Dec 15 j 20:41	15°♁16'33	46°56'48
asc. node	1311 May 22 j 02:49	8°♁48'36			1313 Dec 29 j 18:10	0°♁	
	1311 Jun 08 j 08:52	0°♁			1314 Jan 25 j 04:50	0°♁	
evening rise	1311 Jun 22 j 22:42	17°♁54'35			1314 Feb 19 j 14:15	0°♁	
	1311 Jul 02 j 18:52	0°♁		desc. node	1314 Feb 25 j 11:15	7°♁01'32	
	1311 Jul 27 j 04:59	0°♁			1314 Mar 16 j 13:38	0°♁	
	1311 Aug 20 j 16:20	0°♁			1314 Apr 10 j 08:39	0°♁	
desc. node	1311 Sep 10 j 16:05	25°♁37'21			1314 May 05 j 01:33	0°♁	
	1311 Sep 14 j 06:23	0°♁			1314 May 29 j 16:40	0°♁	
	1311 Oct 09 j 00:51	0°♁		morning set	1314 Jun 17 j 16:35	23°♁13'32	
	1311 Nov 03 j 03:11	0°♁		asc. node	1314 Jun 18 j 14:35	24°♁20'53	
	1311 Nov 28 j 23:18	0°♁			1314 Jun 23 j 05:14	0°♁	
evening max el	1311 Dec 23 j 06:33	26°♁20'29	47°10'49		1314 Jul 17 j 14:29	0°♁	
	1311 Dec 26 j 21:42	0°♁		max. Earth dist.	1314 Jul 20 j 18:13	3°♁53'44	1.73151 AU
asc. node	1312 Jan 01 j 19:20	5°♁43'11					
greatest brilliancy	1312 Jan 29 j 08:45	26°♁23'52	-4.6m	superior conj	1314 Jul 24 j 00:49	7°♁56'28	1°11'04
retrograde	1312 Feb 12 j 02:55	29°♁52'47		minimum elong	1314 Jul 23 j 16:44	7°♁31'27	1°10'51
evening set	1312 Mar 01 j 00:18	23°♁38'26			1314 Aug 10 j 20:30	0°♁	
min. Earth dist.	1312 Mar 03 j 17:03	21°♁57'21	0.28126 AU	evening rise	1314 Aug 29 j 09:06	22°♁59'50	
inferior conj	1312 Mar 04 j 03:56	21°♁40'12	8°32'00		1314 Sep 04 j 00:20	0°♁	
minimum elong	1312 Mar 04 j 08:07	21°♁33'35	8°31'44		1314 Sep 28 j 03:25	0°♁	
morning rise	1312 Mar 07 j 16:11	19°♁29'32		desc. node	1314 Oct 08 j 04:03	12°♁27'45	
direct	1312 Mar 25 j 04:07	13°♁37'19			1314 Oct 22 j 06:53	0°♁	
greatest brilliancy	1312 Apr 05 j 08:34	15°♁54'48	-4.5m		1314 Nov 15 j 11:45	0°♁	
desc. node	1312 Apr 22 j 08:40	25°♁53'41			1314 Dec 09 j 20:06	0°♁	
	1312 Apr 27 j 14:28	0°♁			1315 Jan 03 j 12:45	0°♁	
morning max el	1312 May 13 j 05:59	14°♁00'58	45°52'33		1315 Jan 29 j 00:08	0°♁	
	1312 May 29 j 03:30	0°♁		asc. node	1315 Jan 29 j 07:15	0°♁20'24	
	1312 Jun 25 j 16:33	0°♁			1315 Feb 25 j 07:03	0°♁	
	1312 Jul 21 j 18:52	0°♁		evening max el	1315 Mar 04 j 13:04	7°♁20'32	46°04'40
asc. node	1312 Aug 13 j 12:17	26°♁58'29			1315 Mar 31 j 03:45	0°♁	
	1312 Aug 16 j 00:38	0°♁		greatest brilliancy	1315 Apr 08 j 05:50	4°♁41'12	-4.5m
	1312 Sep 09 j 15:49	0°♁		retrograde	1315 Apr 22 j 22:15	8°♁30'22	
	1312 Oct 03 j 20:55	0°♁		evening set	1315 May 08 j 06:02	3°♁57'41	
	1312 Oct 27 j 20:05	0°♁		inferior conj	1315 May 14 j 09:19	0°♁15'21	1°31'08

minimum elong	1315 May 14 j 12:37	0° Π 10'09	1°30'10	minimum elong	1317 Oct 01 j 20:35	16° Ω 26'23	1°09'24
min. Earth dist.	1315 May 14 j 11:17	0° Π 12'15	0.28890 AU		1317 Oct 12 j 16:08	0° \mathcal{M}	
	1315 May 14 j 19:04	30° \mathcal{B}		desc. node	1317 Nov 04 j 15:51	28° \mathcal{M} 50'49	
morning rise	1315 May 20 j 19:14	26° \mathcal{B} 23'21			1317 Nov 05 j 13:54	0° \mathcal{A}	
desc. node	1315 May 20 j 20:31	26° \mathcal{B} 21'36		evening rise	1317 Nov 10 j 11:58	6° \mathcal{A} 10'32	
direct	1315 Jun 04 j 22:26	21° \mathcal{B} 58'37			1317 Nov 29 j 11:45	0° \mathcal{C}	
greatest brilliancy	1315 Jun 18 j 05:30	25° \mathcal{B} 03'10	-4.5m		1317 Dec 23 j 10:46	0° \approx	
	1315 Jun 27 j 07:46	0° Π			1318 Jan 16 j 12:56	0° \mathcal{K}	
morning max el	1315 Jul 23 j 16:30	21° Π 40'18	45°47'55		1318 Feb 09 j 21:38	0° \mathcal{V}	
	1315 Aug 01 j 03:29	0° \mathcal{E}		asc. node	1318 Feb 25 j 19:15	19° \mathcal{V} 16'57	
	1315 Aug 29 j 01:18	0° Ω			1318 Mar 06 j 18:02	0° \mathcal{B}	
asc. node	1315 Sep 11 j 00:13	14° Ω 49'46			1318 Apr 01 j 10:17	0° Π	
	1315 Sep 23 j 22:00	0° \mathcal{M}			1318 Apr 28 j 16:18	0° \mathcal{E}	
	1315 Oct 18 j 17:59	0° Ω		evening max el	1318 May 14 j 03:59	15° \mathcal{E} 36'39	45°22'00
	1315 Nov 12 j 00:42	0° \mathcal{M}			1318 May 30 j 10:04	0° Ω	
	1315 Dec 06 j 01:10	0° \mathcal{A}		desc. node	1318 Jun 17 j 08:27	11° Ω 38'56	
	1315 Dec 29 j 23:34	0° \mathcal{C}		greatest brilliancy	1318 Jun 18 j 07:33	12° Ω 04'58	-4.5m
desc. node	1315 Dec 31 j 13:24	1° \mathcal{C} 58'39		retrograde	1318 Jul 01 j 17:08	15° Ω 12'14	
	1316 Jan 22 j 22:06	0° \approx		evening set	1318 Jul 18 j 03:50	10° Ω 04'32	
morning set	1316 Jan 24 j 13:53	2° \approx 04'33		inferior conj	1318 Jul 23 j 02:35	7° Ω 04'59	-7°-9'-19
	1316 Feb 15 j 22:00	0° \mathcal{K}		minimum elong	1318 Jul 22 j 17:12	7° Ω 19'33	7°07'48
				min. Earth dist.	1318 Jul 23 j 05:35	7° Ω 00'20	0.28838 AU
superior conj	1316 Mar 05 j 00:42	22° \mathcal{K} 33'56	-1°-23'-47	morning rise	1318 Jul 27 j 06:25	4° Ω 32'39	
minimum elong	1316 Mar 05 j 05:19	22° \mathcal{K} 48'18	1°23'45		1318 Aug 06 j 01:02	30° \mathcal{E}	
max. Earth dist.	1316 Mar 08 j 22:48	27° \mathcal{K} 26'16	1.72342 AU	direct	1318 Aug 13 j 17:21	28° \mathcal{E} 49'38	
	1316 Mar 11 j 00:19	0° \mathcal{V}			1318 Aug 21 j 15:40	0° Ω	
	1316 Apr 04 j 05:53	0° \mathcal{B}		greatest brilliancy	1318 Aug 28 j 03:09	2° Ω 29'25	-4.5m
evening rise	1316 Apr 12 j 20:00	10° \mathcal{B} 35'08			1318 Oct 02 j 03:58	0° \mathcal{M}	
asc. node	1316 Apr 22 j 16:59	22° \mathcal{B} 43'43		morning max el	1318 Oct 02 j 14:07	0° \mathcal{M} 25'11	46°24'27
	1316 Apr 28 j 15:09	0° Π		asc. node	1318 Oct 08 j 11:54	6° \mathcal{M} 24'57	
	1316 May 23 j 04:13	0° \mathcal{E}			1318 Oct 30 j 02:49	0° Ω	
	1316 Jun 16 j 21:32	0° Ω			1318 Nov 24 j 18:05	0° \mathcal{M}	
	1316 Jul 11 j 20:44	0° \mathcal{M}			1318 Dec 19 j 11:53	0° \mathcal{A}	
	1316 Aug 06 j 05:13	0° Ω			1319 Jan 12 j 20:58	0° \mathcal{C}	
desc. node	1316 Aug 12 j 06:11	7° Ω 02'57		desc. node	1319 Jan 28 j 01:22	18° \mathcal{C} 46'34	
	1316 Sep 01 j 05:33	0° \mathcal{M}			1319 Feb 06 j 03:02	0° \approx	
	1316 Sep 28 j 14:14	0° \mathcal{A}			1319 Mar 02 j 08:46	0° \mathcal{K}	
evening max el	1316 Oct 08 j 14:24	10° \mathcal{A} 15'07	47°03'55		1319 Mar 26 j 15:31	0° \mathcal{V}	
	1316 Oct 30 j 10:36	0° \mathcal{C}		morning set	1319 Apr 08 j 05:51	15° \mathcal{V} 31'56	
greatest brilliancy	1316 Nov 16 j 10:20	10° \mathcal{C} 31'12	-4.7m		1319 Apr 19 j 23:48	0° \mathcal{B}	
retrograde	1316 Nov 28 j 04:03	13° \mathcal{C} 06'54			1319 May 14 j 09:23	0° Π	
asc. node	1316 Dec 03 j 09:29	12° \mathcal{C} 32'51					
evening set	1316 Dec 12 j 16:32	8° \mathcal{C} 54'16		superior conj	1319 May 15 j 11:26	1° Π 20'03	0°-13'-33
min. Earth dist.	1316 Dec 18 j 03:08	5° \mathcal{C} 43'26	0.26513 AU	minimum elong	1319 May 15 j 14:16	1° Π 28'44	0°13'26
inferior conj	1316 Dec 18 j 17:44	5° \mathcal{C} 21'08	3°51'32	behind sun begin	1319 May 15 j 02:01	0° Π 51'08	
minimum elong	1316 Dec 18 j 09:40	5° \mathcal{C} 33'26	3°49'11	behind sun end	1319 May 16 j 02:30	2° Π 06'20	
morning rise	1316 Dec 24 j 03:06	2° \mathcal{C} 10'05		max. Earth dist.	1319 May 16 j 00:46	2° Π 01'00	1.73548 AU
	1316 Dec 28 j 13:00	30° \mathcal{A}		asc. node	1319 May 21 j 04:47	8° Π 21'58	
direct	1317 Jan 08 j 01:18	27° \mathcal{A} 43'29			1319 Jun 07 j 19:31	0° \mathcal{E}	
	1317 Jan 19 j 01:36	0° \mathcal{C}		evening rise	1319 Jun 20 j 17:27	15° \mathcal{E} 51'52	
greatest brilliancy	1317 Jan 19 j 07:55	0° \mathcal{C} 06'16	-4.6m		1319 Jul 02 j 05:37	0° Ω	
morning max el	1317 Feb 27 j 02:32	29° \mathcal{C} 54'20	46°35'07		1319 Jul 26 j 15:59	0° \mathcal{M}	
	1317 Feb 27 j 04:50	0° \approx			1319 Aug 20 j 03:45	0° Ω	
desc. node	1317 Mar 24 j 23:02	27° \approx 09'33		desc. node	1319 Sep 09 j 18:09	25° Ω 07'30	
	1317 Mar 27 j 12:45	0° \mathcal{K}			1319 Sep 13 j 18:23	0° \mathcal{M}	
	1317 Apr 22 j 23:14	0° \mathcal{V}			1319 Oct 08 j 13:39	0° \mathcal{A}	
	1317 May 18 j 15:22	0° \mathcal{B}			1319 Nov 02 j 17:15	0° \mathcal{C}	
	1317 Jun 12 j 21:10	0° Π			1319 Nov 28 j 15:51	0° \approx	
	1317 Jul 07 j 18:48	0° \mathcal{E}		evening max el	1319 Dec 20 j 21:49	24° \approx 01'20	47°12'15
asc. node	1317 Jul 16 j 02:26	10° \mathcal{E} 06'39			1319 Dec 26 j 21:23	0° \mathcal{K}	
	1317 Aug 01 j 08:42	0° Ω		asc. node	1319 Dec 31 j 21:30	4° \mathcal{K} 46'08	
morning set	1317 Aug 24 j 21:50	29° Ω 04'49		greatest brilliancy	1320 Jan 27 j 02:36	24° \mathcal{K} 09'24	-4.6m
	1317 Aug 25 j 15:37	0° \mathcal{M}		retrograde	1320 Feb 09 j 18:15	27° \mathcal{K} 35'14	
	1317 Sep 18 j 17:20	0° Ω		evening set	1320 Feb 27 j 16:36	21° \mathcal{K} 19'48	
max. Earth dist.	1317 Sep 28 j 20:41	12° Ω 41'12	1.71700 AU	min. Earth dist.	1320 Mar 01 j 07:04	19° \mathcal{K} 42'07	0.28076 AU
				inferior conj	1320 Mar 01 j 18:58	19° \mathcal{K} 23'19	8°36'32
superior conj	1317 Oct 01 j 10:57	15° Ω 56'15	1°09'41	minimum elong	1320 Mar 01 j 22:24	19° \mathcal{K} 17'55	8°36'22

morning rise	1320 Mar 05 j 04:27	17°♋16'43		desc. node	1322 Oct 07 j 06:00	11°♌59'05	
direct	1320 Mar 22 j 18:50	11°♋21'34			1322 Oct 21 j 18:14	0°♌	
greatest brilliancy	1320 Apr 02 j 20:33	13°♋36'22	-4.5m		1322 Nov 14 j 23:30	0°♌	
desc. node	1320 Apr 21 j 10:41	24°♋45'51			1322 Dec 09 j 08:23	0°♌	
	1320 Apr 27 j 21:47	0°♌			1323 Jan 03 j 01:55	0°♌	
morning max el	1320 May 10 j 20:15	11°♌45'52	45°53'22	asc. node	1323 Jan 28 j 09:21	29°♌43'47	
	1320 May 28 j 21:10	0°♌			1323 Jan 28 j 15:01	0°♌	
	1320 Jun 25 j 06:36	0°♌			1323 Feb 25 j 02:31	0°♌	
	1320 Jul 21 j 07:19	0°♌		evening max el	1323 Mar 02 j 03:43	5°♌05'06	46°07'15
asc. node	1320 Aug 12 j 14:23	26°♌29'42			1323 Apr 01 j 06:03	0°♌	
	1320 Aug 15 j 12:16	0°♌		greatest brilliancy	1323 Apr 05 j 21:19	2°♌31'04	-4.5m
	1320 Sep 09 j 03:01	0°♌		retrograde	1323 Apr 20 j 15:09	6°♌22'26	
	1320 Oct 03 j 07:55	0°♌		evening set	1323 May 06 j 00:04	1°♌47'09	
	1320 Oct 27 j 07:00	0°♌			1323 May 09 j 01:16	30°♌	
morning set	1320 Nov 04 j 23:09	10°♌54'04		inferior conj	1323 May 12 j 01:52	28°♌07'04	1°50'28
	1320 Nov 20 j 03:28	0°♌		minimum elong	1323 May 12 j 05:50	28°♌00'49	1°49'20
desc. node	1320 Dec 02 j 03:39	15°♌07'06		min. Earth dist.	1323 May 12 j 03:55	28°♌03'50	0.28880 AU
	1320 Dec 13 j 23:23	0°♌		morning rise	1323 May 18 j 11:40	24°♌15'27	
				desc. node	1323 May 19 j 22:31	23°♌29'10	
superior conj	1320 Dec 16 j 04:15	2°♌46'17	0°-32'-41	direct	1323 Jun 02 j 14:24	19°♌50'19	
minimum elong	1320 Dec 15 j 19:57	2°♌20'11	0°32'19	greatest brilliancy	1323 Jun 15 j 21:37	22°♌55'12	-4.5m
max. Earth dist.	1320 Dec 17 j 20:35	4°♌53'09	1.71077 AU		1323 Jun 28 j 04:39	0°♌	
	1321 Jan 06 j 20:03	0°♌		morning max el	1323 Jul 21 j 08:56	19°♌32'16	45°47'14
evening rise	1321 Jan 26 j 14:30	24°♌46'39			1323 Jul 31 j 22:28	0°♌	
	1321 Jan 30 j 18:44	0°♌			1323 Aug 28 j 15:50	0°♌	
	1321 Feb 23 j 21:02	0°♌		asc. node	1323 Sep 10 j 02:10	14°♌16'11	
	1321 Mar 20 j 04:57	0°♌			1323 Sep 23 j 10:49	0°♌	
asc. node	1321 Mar 25 j 07:09	6°♌13'54			1323 Oct 18 j 05:58	0°♌	
	1321 Apr 13 j 20:35	0°♌			1323 Nov 11 j 12:15	0°♌	
	1321 May 08 j 22:39	0°♌			1323 Dec 05 j 12:28	0°♌	
	1321 Jun 03 j 16:18	0°♌			1323 Dec 29 j 10:42	0°♌	
	1321 Jun 30 j 13:51	0°♌		desc. node	1323 Dec 30 j 15:33	1°♌30'30	
desc. node	1321 Jul 14 j 20:23	14°♌59'12		morning set	1324 Jan 21 j 23:53	29°♌31'09	
evening max el	1321 Jul 24 j 20:48	24°♌53'56	45°51'53		1324 Jan 22 j 09:06	0°♌	
	1321 Jul 30 j 07:17	0°♌			1324 Feb 15 j 08:53	0°♌	
greatest brilliancy	1321 Sep 01 j 09:59	23°♌03'58	-4.6m				
retrograde	1321 Sep 11 j 22:08	25°♌03'48		superior conj	1324 Mar 02 j 13:51	20°♌11'56	-1°-24'-31
evening set	1321 Sep 28 j 18:39	19°♌43'53		minimum elong	1324 Mar 02 j 17:39	20°♌23'46	1°24'30
inferior conj	1321 Oct 02 j 19:23	17°♌19'05	-7°-12'-50	max. Earth dist.	1324 Mar 06 j 10:38	25°♌00'24	1.72286 AU
minimum elong	1321 Oct 03 j 05:26	17°♌03'42	7°11'02		1324 Mar 10 j 11:06	0°♌	
min. Earth dist.	1321 Oct 03 j 17:30	16°♌45'15	0.27329 AU		1324 Apr 03 j 16:38	0°♌	
morning rise	1321 Oct 07 j 15:43	14°♌25'07		evening rise	1324 Apr 10 j 11:43	8°♌22'38	
direct	1321 Oct 23 j 16:05	9°♌25'27		asc. node	1324 Apr 21 j 19:01	22°♌16'53	
asc. node	1321 Nov 04 j 23:40	12°♌13'47			1324 Apr 28 j 01:57	0°♌	
greatest brilliancy	1321 Nov 06 j 12:32	12°♌55'41	-4.7m		1324 May 22 j 15:12	0°♌	
	1321 Nov 30 j 03:08	0°♌			1324 Jun 16 j 08:55	0°♌	
morning max el	1321 Dec 13 j 09:54	12°♌50'29	46°56'37		1324 Jul 11 j 08:48	0°♌	
	1321 Dec 29 j 12:25	0°♌			1324 Aug 05 j 18:30	0°♌	
	1322 Jan 24 j 19:34	0°♌		desc. node	1324 Aug 11 j 08:10	6°♌29'01	
	1322 Feb 19 j 03:19	0°♌			1324 Aug 31 j 21:01	0°♌	
desc. node	1322 Feb 24 j 13:13	6°♌29'08			1324 Sep 28 j 10:40	0°♌	
	1322 Mar 16 j 01:43	0°♌		evening max el	1324 Oct 06 j 04:40	7°♌52'56	47°02'01
	1322 Apr 09 j 20:05	0°♌			1324 Oct 31 j 05:52	0°♌	
	1322 May 04 j 12:32	0°♌		greatest brilliancy	1324 Nov 13 j 23:29	8°♌02'16	-4.7m
	1322 May 29 j 03:22	0°♌		retrograde	1324 Nov 25 j 17:06	10°♌37'11	
morning set	1322 Jun 15 j 10:49	21°♌09'50		asc. node	1324 Dec 02 j 11:38	9°♌39'54	
asc. node	1322 Jun 17 j 16:42	23°♌54'54		evening set	1324 Dec 10 j 03:18	6°♌26'56	
	1322 Jun 22 j 15:48	0°♌		min. Earth dist.	1324 Dec 15 j 16:06	3°♌13'01	0.26484 AU
	1322 Jul 17 j 01:03	0°♌		inferior conj	1324 Dec 16 j 05:52	2°♌52'00	3°29'15
max. Earth dist.	1322 Jul 18 j 14:38	1°♌55'58	1.73195 AU	minimum elong	1324 Dec 15 j 22:27	3°♌03'20	3°27'01
					1324 Dec 21 j 01:52	30°♌	
superior conj	1322 Jul 21 j 19:01	5°♌51'46	1°09'17	morning rise	1324 Dec 21 j 17:57	29°♌37'45	
minimum elong	1322 Jul 21 j 10:42	5°♌26'05	1°09'04	direct	1325 Jan 05 j 13:57	25°♌14'51	
	1322 Aug 10 j 07:09	0°♌		greatest brilliancy	1325 Jan 16 j 20:58	27°♌38'46	-4.7m
evening rise	1322 Aug 27 j 01:28	20°♌48'15			1325 Jan 21 j 20:43	0°♌	
	1322 Sep 03 j 11:09	0°♌		morning max el	1325 Feb 24 j 16:39	27°♌32'53	46°36'34
	1322 Sep 27 j 14:27	0°♌			1325 Feb 27 j 03:32	0°♌	

desc. node	1325 Mar 24 j 01:02	26° \approx 29'20		1327 Oct 08 j 02:41	0° \nearrow		
	1325 Mar 27 j 04:55	0° H		1327 Nov 02 j 07:42	0° ζ		
	1325 Apr 22 j 12:53	0° Y		1327 Nov 28 j 09:05	0° \approx		
	1325 May 18 j 03:42	0° B	evening max el	1327 Dec 18 j 12:06	21° \approx 38'15	47°13'21	
	1325 Jun 12 j 08:44	0° II		1327 Dec 26 j 22:50	0° H		
	1325 Jul 07 j 05:56	0° E	asc. node	1327 Dec 30 j 23:33	3° H 46'04		
asc. node	1325 Jul 15 j 04:34	9° E 39'38	greatest brilliancy	1328 Jan 24 j 20:41	21° H 53'02	-4.6m	
	1325 Jul 31 j 19:34	0° Ω	retrograde	1328 Feb 07 j 09:02	25° H 15'25		
morning set	1325 Aug 22 j 14:28	26° Ω 54'06	evening set	1328 Feb 25 j 08:21	18° H 59'32		
	1325 Aug 25 j 02:24	0° M	min. Earth dist.	1328 Feb 27 j 21:17	17° H 24'10	0.28024 AU	
	1325 Sep 18 j 04:10	0° L	inferior conj	1328 Feb 28 j 09:48	17° H 04'24	8°40'20	
max. Earth dist.	1325 Sep 26 j 07:38	10° L 11'13	1.71751 AU	minimum elong	1328 Feb 28 j 12:25	17° H 00'15	8°40'14
				morning rise	1328 Mar 02 j 16:43	15° H 01'29	
superior conj	1325 Sep 29 j 01:16	13° L 36'37	1°11'39	direct	1328 Mar 20 j 08:41	9° H 03'39	
minimum elong	1325 Sep 29 j 10:29	14° L 05'31	1°11'25	greatest brilliancy	1328 Mar 31 j 09:15	11° H 16'51	-4.5m
	1325 Oct 12 j 03:06	0° M		desc. node	1328 Apr 20 j 12:47	23° H 38'40	
desc. node	1325 Nov 03 j 17:58	28° M 22'37		1328 Apr 28 j 03:28	0° Y		
	1325 Nov 05 j 01:00	0° \nearrow		morning max el	1328 May 08 j 09:49	9° Y 27'44	45°54'25
evening rise	1325 Nov 07 j 22:52	3° \nearrow 39'13		1328 May 28 j 14:48	0° B		
	1325 Nov 28 j 22:59	0° ζ		1328 Jun 24 j 20:47	0° II		
	1325 Dec 22 j 22:09	0° \approx		1328 Jul 20 j 19:57	0° E		
	1326 Jan 16 j 00:31	0° H		asc. node	1328 Aug 11 j 16:17	25° E 59'34	
	1326 Feb 09 j 09:37	0° Y		1328 Aug 15 j 00:07	0° Ω		
asc. node	1326 Feb 24 j 21:12	18° Y 45'37		1328 Sep 08 j 14:27	0° M		
	1326 Mar 06 j 06:45	0° B		1328 Oct 02 j 19:10	0° L		
	1326 Apr 01 j 00:31	0° II		1328 Oct 26 j 18:10	0° M		
	1326 Apr 28 j 10:17	0° E		morning set	1328 Nov 02 j 11:31	8° M 27'00	
evening max el	1326 May 11 j 20:22	13° E 27'29	45°22'23	1328 Nov 19 j 14:36	0° \nearrow		
	1326 May 30 j 20:41	0° Ω		desc. node	1328 Dec 01 j 05:48	14° \nearrow 38'44	
greatest brilliancy	1326 Jun 15 j 22:13	9° Ω 54'07	-4.5m	1328 Dec 13 j 10:33	0° ζ		
desc. node	1326 Jun 16 j 10:39	10° Ω 07'35					
retrograde	1326 Jun 29 j 08:44	13° Ω 02'18		superior conj	1328 Dec 13 j 14:05	0° ζ 11'08	0°-28'-57
evening set	1326 Jul 15 j 16:43	7° Ω 59'11		minimum elong	1328 Dec 13 j 06:38	29° \nearrow 47'40	0°28'36
inferior conj	1326 Jul 20 j 18:35	4° Ω 54'48	-6°-57'-37	max. Earth dist.	1328 Dec 14 j 22:40	1° ζ 53'36	1.71070 AU
minimum elong	1326 Jul 20 j 08:59	5° Ω 09'45	6°55'58		1329 Jan 06 j 07:16	0° \approx	
min. Earth dist.	1326 Jul 20 j 20:58	4° Ω 51'06	0.28857 AU	evening rise	1329 Jan 24 j 01:02	22° \approx 14'18	
morning rise	1326 Jul 25 j 01:06	2° Ω 18'12		1329 Jan 30 j 05:59	0° H		
	1326 Jul 29 j 06:55	30° E		1329 Feb 23 j 08:22	0° Y		
direct	1326 Aug 11 j 09:48	26° E 39'23		1329 Mar 19 j 16:26	0° B		
	1326 Aug 25 j 03:32	0° Ω		asc. node	1329 Mar 24 j 09:11	5° B 44'51	
greatest brilliancy	1326 Aug 25 j 17:18	0° Ω 16'00	-4.5m	1329 Apr 13 j 08:26	0° II		
morning max el	1326 Sep 30 j 04:35	28° Ω 07'40	46°22'44	1329 May 08 j 11:14	0° E		
	1326 Oct 02 j 01:32	0° M		1329 Jun 03 j 06:19	0° Ω		
asc. node	1326 Oct 07 j 13:59	5° M 39'14		1329 Jun 30 j 07:00	0° M		
	1326 Oct 29 j 18:33	0° L		desc. node	1329 Jul 13 j 22:22	14° M 12'57	
	1326 Nov 24 j 07:48	0° M		evening max el	1329 Jul 22 j 09:35	22° M 33'10	45°49'51
	1326 Dec 19 j 00:35	0° \nearrow		1329 Jul 30 j 10:21	0° L		
	1327 Jan 12 j 09:04	0° ζ		greatest brilliancy	1329 Aug 29 j 21:53	20° L 41'29	-4.6m
desc. node	1327 Jan 27 j 03:24	18° ζ 16'15		retrograde	1329 Sep 09 j 11:05	22° L 42'31	
	1327 Feb 05 j 14:43	0° \approx		evening set	1329 Sep 26 j 10:58	17° L 17'23	
	1327 Mar 01 j 20:07	0° H		inferior conj	1329 Sep 30 j 08:52	14° L 56'54	-7°-25'-13
	1327 Mar 26 j 02:37	0° Y		minimum elong	1329 Sep 30 j 18:35	14° L 42'02	7°23'36
morning set	1327 Apr 05 j 21:40	13° Y 18'57		min. Earth dist.	1329 Oct 01 j 07:19	14° L 22'35	0.27397 AU
	1327 Apr 19 j 10:43	0° B		morning rise	1329 Oct 05 j 01:42	12° L 08'00	
				direct	1329 Oct 21 j 05:59	7° L 01'55	
superior conj	1327 May 13 j 04:55	29° B 13'01	0°-16'-43	greatest brilliancy	1329 Nov 04 j 05:17	10° L 35'27	-4.6m
minimum elong	1327 May 13 j 08:23	29° B 23'41	0°16'35	asc. node	1329 Nov 04 j 01:46	10° L 31'17	
	1327 May 13 j 20:12	0° II		1329 Nov 30 j 08:01	0° M		
max. Earth dist.	1327 May 13 j 22:16	0° II 06'19	1.73527 AU	morning max el	1329 Dec 11 j 00:16	10° M 26'54	46°56'24
asc. node	1327 May 20 j 06:55	7° II 55'15		1329 Dec 29 j 06:29	0° \nearrow		
	1327 Jun 07 j 06:20	0° E		1330 Jan 24 j 10:25	0° ζ		
evening rise	1327 Jun 18 j 12:25	13° E 49'14		1330 Feb 18 j 16:39	0° \approx		
	1327 Jul 01 j 16:34	0° Ω		desc. node	1330 Feb 23 j 15:13	5° \approx 55'49	
	1327 Jul 26 j 03:10	0° M		1330 Mar 15 j 14:09	0° H		
	1327 Aug 19 j 15:20	0° L		1330 Apr 09 j 07:55	0° Y		
desc. node	1327 Sep 08 j 20:09	24° L 36'58		1330 May 03 j 23:56	0° B		
	1327 Sep 13 j 06:33	0° M		1330 May 28 j 14:29	0° II		

morning set	1330 Jun 13 j 04:53	19° Π 04'29		asc. node	1332 Dec 01 j 13:43	6° C 40'53	
asc. node	1330 Jun 16 j 18:45	23° Π 27'31		evening set	1332 Dec 07 j 14:26	3° C 59'08	
	1330 Jun 22 j 02:46	0° C		min. Earth dist.	1332 Dec 13 j 05:20	0° C 42'04	0.26456 AU
	1330 Jul 16 j 11:59	0° Ω		inferior conj	1332 Dec 13 j 18:05	0° C 22'35	3°06'27
max. Earth dist.	1330 Jul 16 j 12:42	0° Ω 02'13	1.73234 AU	minimum elong	1332 Dec 13 j 11:22	0° C 32'51	3°04'23
					1332 Dec 14 j 08:54	30° C	
superior conj	1330 Jul 19 j 13:12	3° Ω 45'57	1°07'26	morning rise	1332 Dec 19 j 08:43	27° C 05'06	
minimum elong	1330 Jul 19 j 04:42	3° Ω 19'42	1°07'10	direct	1333 Jan 03 j 02:38	22° C 46'04	
	1330 Aug 09 j 18:09	0° C		greatest brilliancy	1333 Jan 14 j 09:45	25° C 10'22	-4.7m
evening rise	1330 Aug 24 j 18:09	18° C 36'38			1333 Jan 23 j 14:12	0° C	
	1330 Sep 02 j 22:18	0° Ω		morning max el	1333 Feb 22 j 06:16	25° C 09'44	46°38'00
	1330 Sep 27 j 01:51	0° C			1333 Feb 27 j 01:28	0° \approx	
desc. node	1330 Oct 06 j 08:07	11° C 29'56		desc. node	1333 Mar 23 j 03:11	25° \approx 49'38	
	1330 Oct 21 j 05:55	0° C			1333 Mar 26 j 20:55	0° C	
	1330 Nov 14 j 11:35	0° C			1333 Apr 22 j 02:31	0° C	
	1330 Dec 08 j 21:00	0° \approx			1333 May 17 j 16:08	0° C	
	1331 Jan 02 j 15:25	0° C			1333 Jun 11 j 20:29	0° Π	
asc. node	1331 Jan 27 j 11:17	29° C 05'32			1333 Jul 06 j 17:15	0° C	
	1331 Jan 28 j 06:24	0° C		asc. node	1333 Jul 14 j 06:31	9° C 11'20	
	1331 Feb 24 j 23:01	0° C			1333 Jul 31 j 06:39	0° Ω	
evening max el	1331 Feb 27 j 19:15	2° C 50'38	46°09'37	morning set	1333 Aug 20 j 06:58	24° Ω 42'27	
	1331 Apr 02 j 21:11	0° Π			1333 Aug 24 j 13:22	0° C	
greatest brilliancy	1331 Apr 03 j 13:05	0° Π 19'43	-4.5m		1333 Sep 17 j 15:08	0° Ω	
retrograde	1331 Apr 18 j 08:17	4° Π 12'29		max. Earth dist.	1333 Sep 23 j 17:09	7° Ω 36'26	1.71798 AU
	1331 May 02 j 23:35	30° C					
evening set	1331 May 03 j 18:05	29° C 34'36		superior conj	1333 Sep 26 j 15:39	11° Ω 17'00	1°13'29
inferior conj	1331 May 09 j 18:13	25° C 56'46	2°09'54	minimum elong	1333 Sep 27 j 00:27	11° Ω 44'31	1°13'16
minimum elong	1331 May 09 j 22:51	25° C 49'29	2°08'35		1333 Oct 11 j 14:10	0° C	
min. Earth dist.	1331 May 09 j 20:09	25° C 53'44	0.28870 AU	desc. node	1333 Nov 02 j 20:03	27° C 54'06	
morning rise	1331 May 16 j 03:46	22° C 05'52			1333 Nov 04 j 12:12	0° C	
desc. node	1331 May 19 j 00:41	20° C 37'46		evening rise	1333 Nov 05 j 09:53	1° C 08'02	
direct	1331 May 31 j 06:39	17° C 40'08			1333 Nov 28 j 10:19	0° C	
greatest brilliancy	1331 Jun 13 j 12:55	20° C 44'36	-4.5m		1333 Dec 22 j 09:39	0° \approx	
	1331 Jun 28 j 20:54	0° Π			1334 Jan 15 j 12:15	0° C	
morning max el	1331 Jul 19 j 01:55	17° Π 24'21	45°46'40		1334 Feb 08 j 21:44	0° C	
	1331 Jul 31 j 17:24	0° C		asc. node	1334 Feb 23 j 23:20	18° C 14'29	
	1331 Aug 28 j 06:32	0° Ω			1334 Mar 05 j 19:36	0° C	
asc. node	1331 Sep 09 j 04:17	13° Ω 42'21			1334 Mar 31 j 14:57	0° Π	
	1331 Sep 22 j 23:51	0° C			1334 Apr 28 j 04:46	0° C	
	1331 Oct 17 j 18:11	0° Ω		evening max el	1334 May 09 j 11:53	11° C 15'53	45°22'38
	1331 Nov 11 j 00:03	0° C			1334 May 31 j 11:12	0° Ω	
	1331 Dec 05 j 00:01	0° C		greatest brilliancy	1334 Jun 13 j 12:36	7° Ω 42'21	-4.5m
	1331 Dec 28 j 22:05	0° C		desc. node	1334 Jun 15 j 12:36	8° Ω 32'09	
desc. node	1331 Dec 29 j 17:33	1° C 01'06		retrograde	1334 Jun 26 j 23:47	10° Ω 51'50	
morning set	1332 Jan 19 j 10:14	26° C 58'03		evening set	1334 Jul 13 j 05:33	5° Ω 53'00	
	1332 Jan 21 j 20:19	0° \approx		inferior conj	1334 Jul 18 j 10:31	2° Ω 44'06	-6°-45'-15
	1332 Feb 14 j 19:59	0° C		minimum elong	1334 Jul 18 j 00:45	2° Ω 59'19	6°43'28
				min. Earth dist.	1334 Jul 18 j 12:42	2° Ω 40'41	0.28877 AU
superior conj	1332 Feb 29 j 03:04	17° C 49'20	-1°-25'-6	morning rise	1334 Jul 22 j 19:45	0° Ω 03'09	
minimum elong	1332 Feb 29 j 05:59	17° C 58'25	1°25'05		1334 Jul 22 j 21:54	30° C	
max. Earth dist.	1332 Mar 04 j 00:47	22° C 40'53	1.72234 AU	direct	1334 Aug 09 j 01:41	24° C 28'25	
	1332 Mar 09 j 22:07	0° C		greatest brilliancy	1334 Aug 23 j 08:09	28° C 02'50	-4.5m
	1332 Apr 03 j 03:40	0° C			1334 Aug 27 j 02:43	0° Ω	
evening rise	1332 Apr 08 j 03:23	6° C 09'06		morning max el	1334 Sep 27 j 18:29	25° Ω 48'23	46°21'11
asc. node	1332 Apr 20 j 21:10	21° C 49'27			1334 Oct 01 j 22:32	0° C	
	1332 Apr 27 j 13:04	0° Π		asc. node	1334 Oct 06 j 16:06	4° C 53'54	
	1332 May 22 j 02:32	0° C			1334 Oct 29 j 10:09	0° Ω	
	1332 Jun 15 j 20:38	0° Ω			1334 Nov 23 j 21:24	0° C	
	1332 Jul 10 j 21:14	0° C			1334 Dec 18 j 13:12	0° C	
	1332 Aug 05 j 08:10	0° Ω			1335 Jan 11 j 21:05	0° C	
desc. node	1332 Aug 10 j 10:11	5° Ω 54'15		desc. node	1335 Jan 26 j 05:22	17° C 45'52	
	1332 Aug 31 j 13:00	0° C			1335 Feb 05 j 02:19	0° \approx	
	1332 Sep 28 j 08:01	0° C			1335 Mar 01 j 07:26	0° C	
evening max el	1332 Oct 03 j 19:28	5° C 31'40	47°00'03		1335 Mar 25 j 13:40	0° C	
	1332 Nov 01 j 08:12	0° C		morning set	1335 Apr 03 j 13:31	11° C 06'04	
greatest brilliancy	1332 Nov 11 j 13:20	5° C 33'56	-4.7m		1335 Apr 18 j 21:35	0° C	
retrograde	1332 Nov 23 j 06:06	8° C 06'59					

superior conj	1335 May 10 j 22:32	27°♄06'40	0°-19'-53	greatest brilliancy	1337 Nov 01 j 21:43	8°♁15'26	-4.6m
minimum elong	1335 May 11 j 02:39	27°♄19'17	0°19'41	asc. node	1337 Nov 03 j 03:50	8°♁52'54	
max. Earth dist.	1335 May 11 j 18:47	28°♄08'52	1.73504 AU		1337 Nov 30 j 11:01	0°♁	
	1335 May 13 j 06:58	0°♁		morning max el	1337 Dec 08 j 15:27	8°♁05'53	46°56'02
asc. node	1335 May 19 j 08:59	7°♁28'32			1337 Dec 29 j 00:01	0°♁	
	1335 Jun 06 j 17:06	0°♁			1338 Jan 24 j 00:54	0°♁	
evening rise	1335 Jun 16 j 07:30	11°♁47'14			1338 Feb 18 j 05:38	0°♁	
	1335 Jul 01 j 03:28	0°♁		desc. node	1338 Feb 22 j 17:25	5°♁24'03	
	1335 Jul 25 j 14:22	0°♁			1338 Mar 15 j 02:13	0°♁	
	1335 Aug 19 j 02:57	0°♁			1338 Apr 08 j 19:23	0°♁	
desc. node	1335 Sep 07 j 22:16	24°♁06'43			1338 May 03 j 11:00	0°♁	
	1335 Sep 12 j 18:46	0°♁			1338 May 28 j 01:17	0°♁	
	1335 Oct 07 j 15:47	0°♁		morning set	1338 Jun 10 j 23:07	17°♁00'34	
	1335 Nov 01 j 22:14	0°♁		asc. node	1338 Jun 15 j 20:45	23°♁00'54	
	1335 Nov 28 j 02:33	0°♁			1338 Jun 21 j 13:25	0°♁	
evening max el	1335 Dec 16 j 01:39	19°♁13'40	47°14'33	max. Earth dist.	1338 Jul 14 j 10:55	28°♁09'59	1.73267 AU
	1335 Dec 27 j 01:29	0°♁			1338 Jul 15 j 22:35	0°♁	
asc. node	1335 Dec 30 j 01:30	2°♁44'51					
greatest brilliancy	1336 Jan 22 j 13:47	19°♁35'41	-4.6m	superior conj	1338 Jul 17 j 07:33	1°♁41'43	1°05'28
retrograde	1336 Feb 04 j 23:42	22°♁56'05		minimum elong	1338 Jul 16 j 22:55	1°♁15'03	1°05'12
evening set	1336 Feb 22 j 23:41	16°♁40'02			1338 Aug 09 j 04:49	0°♁	
min. Earth dist.	1336 Feb 25 j 11:39	15°♁06'18	0.27973 AU	evening rise	1338 Aug 22 j 11:07	16°♁26'58	
inferior conj	1336 Feb 26 j 00:37	14°♁45'49	8°43'12		1338 Sep 02 j 09:07	0°♁	
minimum elong	1336 Feb 26 j 02:26	14°♁42'57	8°43'09		1338 Sep 26 j 12:56	0°♁	
morning rise	1336 Feb 29 j 05:23	12°♁46'10		desc. node	1338 Oct 05 j 10:14	11°♁01'44	
direct	1336 Mar 17 j 22:13	6°♁45'47			1338 Oct 20 j 17:21	0°♁	
greatest brilliancy	1336 Mar 28 j 22:55	8°♁58'43	-4.5m		1338 Nov 13 j 23:26	0°♁	
desc. node	1336 Apr 19 j 14:52	22°♁33'37			1338 Dec 08 j 09:26	0°♁	
	1336 Apr 28 j 07:03	0°♁		asc. node	1339 Jan 02 j 04:48	0°♁	
morning max el	1336 May 05 j 23:47	7°♁10'56	45°55'38		1339 Jan 26 j 13:26	28°♁28'17	
	1336 May 28 j 07:50	0°♁			1339 Jan 27 j 21:45	0°♁	
	1336 Jun 24 j 10:37	0°♁			1339 Feb 24 j 19:54	0°♁	
	1336 Jul 20 j 08:20	0°♁		evening max el	1339 Feb 25 j 11:26	0°♁38'36	46°12'11
asc. node	1336 Aug 10 j 18:28	25°♁30'50		greatest brilliancy	1339 Apr 01 j 05:44	28°♁10'30	-4.5m
	1336 Aug 14 j 11:45	0°♁			1339 Apr 05 j 11:28	0°♁	
	1336 Sep 08 j 01:44	0°♁		retrograde	1339 Apr 16 j 01:23	2°♁03'16	
	1336 Oct 02 j 06:17	0°♁			1339 Apr 26 j 03:21	30°♁	
	1336 Oct 26 j 05:12	0°♁		evening set	1339 May 01 j 12:15	27°♁22'53	
morning set	1336 Oct 30 j 23:41	5°♁59'38		inferior conj	1339 May 07 j 10:33	23°♁47'18	2°29'12
	1336 Nov 19 j 01:37	0°♁		minimum elong	1339 May 07 j 15:49	23°♁39'02	2°27'42
desc. node	1336 Nov 30 j 07:48	14°♁10'18		min. Earth dist.	1339 May 07 j 12:11	23°♁44'44	0.28857 AU
				morning rise	1339 May 13 j 19:37	19°♁57'15	
superior conj	1336 Dec 10 j 23:35	27°♁35'24	0°-25'-6	desc. node	1339 May 18 j 02:40	17°♁51'10	
minimum elong	1336 Dec 10 j 17:01	27°♁14'44	0°24'49	direct	1339 May 28 j 23:11	15°♁30'58	
max. Earth dist.	1336 Dec 12 j 02:34	29°♁00'16	1.71062 AU	greatest brilliancy	1339 Jun 11 j 03:04	18°♁33'35	-4.5m
	1336 Dec 12 j 21:33	0°♁			1339 Jun 29 j 08:33	0°♁	
	1337 Jan 05 j 18:16	0°♁		morning max el	1339 Jul 16 j 18:46	15°♁17'16	45°46'07
evening rise	1337 Jan 21 j 11:25	19°♁42'10			1339 Jul 31 j 11:27	0°♁	
	1337 Jan 29 j 17:01	0°♁			1339 Aug 27 j 20:41	0°♁	
	1337 Feb 22 j 19:28	0°♁		asc. node	1339 Sep 08 j 06:23	13°♁09'46	
	1337 Mar 19 j 03:43	0°♁			1339 Sep 22 j 12:25	0°♁	
asc. node	1337 Mar 23 j 11:20	5°♁16'47			1339 Oct 17 j 05:59	0°♁	
	1337 Apr 12 j 20:05	0°♁			1339 Nov 10 j 11:28	0°♁	
	1337 May 07 j 23:38	0°♁			1339 Dec 04 j 11:15	0°♁	
	1337 Jun 02 j 20:11	0°♁			1339 Dec 28 j 09:11	0°♁	
	1337 Jun 30 j 00:10	0°♁		desc. node	1339 Dec 28 j 19:36	0°♁32'42	
desc. node	1337 Jul 13 j 00:24	13°♁27'02		morning set	1340 Jan 16 j 20:08	24°♁24'20	
evening max el	1337 Jul 19 j 23:08	20°♁15'23	45°47'50		1340 Jan 21 j 07:17	0°♁	
	1337 Jul 30 j 14:43	0°♁			1340 Feb 14 j 06:50	0°♁	
greatest brilliancy	1337 Aug 27 j 08:19	18°♁18'28	-4.5m				
retrograde	1337 Sep 07 j 00:21	20°♁21'57		superior conj	1340 Feb 26 j 15:42	15°♁25'33	-1°-25'-31
evening set	1337 Sep 24 j 03:09	14°♁51'36		minimum elong	1340 Feb 26 j 17:41	15°♁31'46	1°25'32
inferior conj	1337 Sep 27 j 22:15	12°♁35'12	-7°-36'-47	max. Earth dist.	1340 Mar 01 j 15:42	20°♁24'23	1.72178 AU
minimum elong	1337 Sep 28 j 07:36	12°♁20'56	7°35'19		1340 Mar 09 j 08:53	0°♁	
min. Earth dist.	1337 Sep 28 j 20:38	12°♁01'03	0.27470 AU		1340 Apr 02 j 14:24	0°♁	
morning rise	1337 Oct 02 j 11:34	9°♁51'32		evening rise	1340 Apr 05 j 18:34	3°♁54'56	
direct	1337 Oct 18 j 20:24	4°♁39'00		asc. node	1340 Apr 19 j 23:09	21°♁22'30	

	1340 Apr 26 j 23:53	0°♁		asc. node	1342 Oct 05 j 18:06	4°♁09'32	
	1340 May 21 j 13:33	0°♁			1342 Oct 29 j 01:18	0°♁	
	1340 Jun 15 j 08:05	0°♁			1342 Nov 23 j 10:41	0°♁	
	1340 Jul 10 j 09:25	0°♁			1342 Dec 18 j 01:32	0°♁	
	1340 Aug 04 j 21:36	0°♁			1343 Jan 11 j 08:50	0°♁	
desc. node	1340 Aug 09 j 12:21	5°♁20'44		desc. node	1343 Jan 25 j 07:33	17°♁16'58	
	1340 Aug 31 j 04:49	0°♁			1343 Feb 04 j 13:40	0°♁	
	1340 Sep 28 j 05:40	0°♁			1343 Feb 28 j 18:30	0°♁	
evening max el	1340 Oct 01 j 09:56	3°♁10'55	46°57'59		1343 Mar 25 j 00:32	0°♁	
	1340 Nov 02 j 20:13	0°♁		morning set	1343 Apr 01 j 05:12	8°♁53'02	
greatest brilliancy	1340 Nov 09 j 03:54	3°♁07'54	-4.7m		1343 Apr 18 j 08:18	0°♁	
retrograde	1340 Nov 20 j 18:35	5°♁38'04					
asc. node	1340 Nov 30 j 15:39	3°♁37'47		superior conj	1343 May 08 j 15:59	25°♁00'05	0°-23'00
evening set	1340 Dec 05 j 01:54	1°♁32'26		minimum elong	1343 May 08 j 20:42	25°♁14'37	0°22'47
	1340 Dec 07 j 19:25	30°♁		max. Earth dist.	1343 May 09 j 13:38	26°♁06'38	1.73482 AU
min. Earth dist.	1340 Dec 10 j 19:01	28°♁12'03	0.26434 AU		1343 May 12 j 17:36	0°♁	
inferior conj	1340 Dec 11 j 06:24	27°♁54'39	2°43'15	asc. node	1343 May 18 j 10:59	7°♁01'59	
minimum elong	1340 Dec 11 j 00:26	28°♁03'47	2°41'24		1343 Jun 06 j 03:45	0°♁	
morning rise	1340 Dec 16 j 23:20	24°♁33'51		evening rise	1343 Jun 14 j 02:22	9°♁45'03	
direct	1340 Dec 31 j 15:10	20°♁18'34			1343 Jun 30 j 14:15	0°♁	
greatest brilliancy	1341 Jan 11 j 23:23	22°♁43'49	-4.7m		1343 Jul 25 j 01:26	0°♁	
	1341 Jan 24 j 18:28	0°♁			1343 Aug 18 j 14:28	0°♁	
morning max el	1341 Feb 19 j 19:02	22°♁44'59	46°39'16	desc. node	1343 Sep 07 j 00:18	23°♁36'31	
	1341 Feb 26 j 22:22	0°♁			1343 Sep 12 j 06:55	0°♁	
desc. node	1341 Mar 22 j 05:13	25°♁10'35			1343 Oct 07 j 04:53	0°♁	
	1341 Mar 26 j 12:27	0°♁			1343 Nov 01 j 12:52	0°♁	
	1341 Apr 21 j 15:50	0°♁			1343 Nov 27 j 20:18	0°♁	
	1341 May 17 j 04:16	0°♁		evening max el	1343 Dec 13 j 15:25	16°♁49'59	47°15'48
	1341 Jun 11 j 07:54	0°♁			1343 Dec 27 j 05:36	0°♁	
	1341 Jul 06 j 04:14	0°♁		asc. node	1343 Dec 29 j 03:42	1°♁43'04	
asc. node	1341 Jul 13 j 08:39	8°♁44'34		greatest brilliancy	1344 Jan 20 j 05:51	17°♁17'25	-4.6m
	1341 Jul 30 j 17:24	0°♁		retrograde	1344 Feb 02 j 14:42	20°♁37'27	
morning set	1341 Aug 17 j 23:34	22°♁32'01		evening set	1344 Feb 20 j 14:37	14°♁21'35	
	1341 Aug 24 j 00:03	0°♁		min. Earth dist.	1344 Feb 23 j 01:51	12°♁49'15	0.27921 AU
	1341 Sep 17 j 01:52	0°♁		inferior conj	1344 Feb 23 j 15:30	12°♁27'44	8°45'08
max. Earth dist.	1341 Sep 21 j 03:07	5°♁03'58	1.71847 AU	minimum elong	1344 Feb 23 j 16:28	12°♁26'11	8°45'07
				morning rise	1344 Feb 26 j 18:29	10°♁30'56	
superior conj	1341 Sep 24 j 06:27	8°♁59'32	1°15'11	direct	1344 Mar 15 j 11:52	4°♁28'19	
minimum elong	1341 Sep 24 j 14:44	9°♁25'27	1°14'59	greatest brilliancy	1344 Mar 26 j 12:47	6°♁41'24	-4.5m
	1341 Oct 11 j 00:58	0°♁		desc. node	1344 Apr 18 j 16:53	21°♁30'33	
desc. node	1341 Nov 01 j 22:02	27°♁26'08			1344 Apr 28 j 08:55	0°♁	
evening rise	1341 Nov 02 j 21:20	28°♁39'12		morning max el	1344 May 03 j 14:41	4°♁56'37	45°56'47
	1341 Nov 03 j 23:06	0°♁			1344 May 28 j 00:28	0°♁	
	1341 Nov 27 j 21:21	0°♁			1344 Jun 24 j 00:19	0°♁	
	1341 Dec 21 j 20:51	0°♁			1344 Jul 19 j 20:39	0°♁	
	1342 Jan 14 j 23:43	0°♁		asc. node	1344 Aug 09 j 20:33	25°♁01'54	
	1342 Feb 08 j 09:38	0°♁			1344 Aug 13 j 23:21	0°♁	
asc. node	1342 Feb 23 j 01:25	17°♁43'47			1344 Sep 07 j 12:58	0°♁	
	1342 Mar 05 j 08:20	0°♁			1344 Oct 01 j 17:21	0°♁	
	1342 Mar 31 j 05:22	0°♁			1344 Oct 25 j 16:13	0°♁	
	1342 Apr 27 j 23:33	0°♁		morning set	1344 Oct 28 j 12:00	3°♁32'52	
evening max el	1342 May 07 j 02:44	9°♁03'10	45°23'08		1344 Nov 18 j 12:39	0°♁	
	1342 Jun 01 j 06:18	0°♁		desc. node	1344 Nov 29 j 09:50	13°♁41'57	
greatest brilliancy	1342 Jun 11 j 02:22	5°♁30'38	-4.5m				
desc. node	1342 Jun 14 j 14:38	6°♁54'13		superior conj	1344 Dec 08 j 09:07	24°♁59'32	0°-21'-13
retrograde	1342 Jun 24 j 15:03	8°♁42'39		minimum elong	1344 Dec 08 j 03:30	24°♁41'53	0°20'58
evening set	1342 Jul 10 j 18:35	3°♁47'35		max. Earth dist.	1344 Dec 09 j 08:46	26°♁13'58	1.71057 AU
inferior conj	1342 Jul 16 j 02:35	0°♁34'31	-6°-32'-18		1344 Dec 12 j 08:36	0°♁	
minimum elong	1342 Jul 15 j 16:42	0°♁49'55	6°30'25		1345 Jan 05 j 05:20	0°♁	
min. Earth dist.	1342 Jul 16 j 04:42	0°♁31'13	0.28896 AU	evening rise	1345 Jan 18 j 21:56	17°♁10'13	
	1342 Jul 17 j 00:43	30°♁			1345 Jan 29 j 04:05	0°♁	
morning rise	1342 Jul 20 j 14:34	27°♁49'21			1345 Feb 22 j 06:35	0°♁	
direct	1342 Aug 06 j 17:25	22°♁18'24			1345 Mar 18 j 15:00	0°♁	
greatest brilliancy	1342 Aug 21 j 00:03	25°♁52'03	-4.5m	asc. node	1345 Mar 22 j 13:19	4°♁48'12	
	1342 Aug 28 j 09:56	0°♁			1345 Apr 12 j 07:47	0°♁	
morning max el	1342 Sep 25 j 08:38	23°♁30'34	46°19'40		1345 May 07 j 12:09	0°♁	
	1342 Oct 01 j 18:34	0°♁			1345 Jun 02 j 10:17	0°♁	

	1345 Jun 29 j 17:50	0°♍			1348 Jan 20 j 18:32	0°♁	
desc. node	1345 Jul 12 j 02:35	12°♍40'24			1348 Feb 13 j 17:59	0°♁	
evening max el	1345 Jul 17 j 13:45	18°♍00'02	45°45'53				
	1345 Jul 30 j 21:14	0°♌		superior conj	1348 Feb 24 j 04:09	13°♁00'10	-1°-25'-47
greatest brilliancy	1345 Aug 24 j 18:45	15°♌55'47	-4.5m	minimum elong	1348 Feb 24 j 05:13	13°♁03'27	1°25'49
retrograde	1345 Sep 04 j 13:58	18°♌01'38		max. Earth dist.	1348 Feb 28 j 06:50	18°♁07'29	1.72123 AU
evening set	1345 Sep 21 j 19:26	12°♌26'32			1348 Mar 08 j 19:59	0°♍	
inferior conj	1345 Sep 25 j 11:49	10°♌13'52	-7°-47'-20		1348 Apr 02 j 01:29	0°♌	
minimum elong	1345 Sep 25 j 20:43	10°♌00'17	7°46'03	evening rise	1348 Apr 03 j 09:34	1°♌38'57	
min. Earth dist.	1345 Sep 26 j 09:43	9°♌40'28	0.27540 AU	asc. node	1348 Apr 19 j 01:13	20°♌54'44	
morning rise	1345 Sep 29 j 21:38	7°♌35'19			1348 Apr 26 j 11:02	0°♌	
direct	1345 Oct 16 j 11:21	2°♌16'45			1348 May 21 j 00:54	0°♌	
greatest brilliancy	1345 Oct 30 j 13:13	5°♌54'25	-4.6m		1348 Jun 14 j 19:51	0°♌	
asc. node	1345 Nov 02 j 05:52	7°♌18'04			1348 Jul 09 j 21:57	0°♍	
	1345 Nov 30 j 12:39	0°♌			1348 Aug 04 j 11:31	0°♌	
morning max el	1345 Dec 06 j 06:47	5°♌45'10	46°55'26	desc. node	1348 Aug 08 j 14:19	4°♌45'25	
	1345 Dec 28 j 17:18	0°♌			1348 Aug 30 j 21:21	0°♌	
	1346 Jan 23 j 15:23	0°♌			1348 Sep 28 j 04:43	0°♌	
	1346 Feb 17 j 18:42	0°♌		evening max el	1348 Sep 28 j 23:28	0°♌46'30	46°55'42
desc. node	1346 Feb 21 j 19:22	4°♌51'07			1348 Nov 05 j 04:58	0°♌	
	1346 Mar 14 j 14:25	0°♌		greatest brilliancy	1348 Nov 06 j 18:55	0°♌40'39	-4.7m
	1346 Apr 08 j 06:58	0°♍		retrograde	1348 Nov 18 j 06:14	3°♌07'20	
	1346 May 02 j 22:10	0°♌		asc. node	1348 Nov 29 j 17:50	0°♌27'04	
	1346 May 27 j 12:12	0°♌			1348 Nov 30 j 16:59	30°♌	
morning set	1346 Jun 08 j 17:33	14°♌56'55		evening set	1348 Dec 02 j 13:24	29°♌03'29	
asc. node	1346 Jun 14 j 22:53	22°♌34'15		min. Earth dist.	1348 Dec 08 j 08:55	25°♌39'45	0.26416 AU
	1346 Jun 21 j 00:14	0°♌		inferior conj	1348 Dec 08 j 18:34	25°♌25'00	2°19'39
max. Earth dist.	1346 Jul 12 j 08:06	26°♌14'01	1.73301 AU	minimum elong	1348 Dec 08 j 13:23	25°♌32'55	2°18'01
				morning rise	1348 Dec 14 j 13:38	22°♌01'02	
superior conj	1346 Jul 15 j 02:01	29°♌37'14	1°03'26	direct	1348 Dec 29 j 03:04	17°♌49'08	
minimum elong	1346 Jul 14 j 17:18	29°♌10'21	1°03'09	greatest brilliancy	1349 Jan 09 j 13:52	20°♌16'33	-4.7m
	1346 Jul 15 j 09:23	0°♌			1349 Jan 25 j 15:49	0°♌	
	1346 Aug 08 j 15:42	0°♍		morning max el	1349 Feb 17 j 06:51	20°♌16'21	46°40'34
evening rise	1346 Aug 20 j 04:07	14°♍16'45			1349 Feb 26 j 19:01	0°♌	
	1346 Sep 01 j 20:11	0°♌		desc. node	1349 Mar 21 j 07:14	24°♌30'41	
	1346 Sep 26 j 00:15	0°♌			1349 Mar 26 j 04:10	0°♌	
desc. node	1346 Oct 04 j 12:09	10°♌32'17			1349 Apr 21 j 05:27	0°♍	
	1346 Oct 20 j 05:01	0°♌			1349 May 16 j 16:44	0°♌	
	1346 Nov 13 j 11:34	0°♌			1349 Jun 10 j 19:40	0°♌	
	1346 Dec 07 j 22:10	0°♌			1349 Jul 05 j 15:33	0°♌	
	1347 Jan 01 j 18:34	0°♌		asc. node	1349 Jul 12 j 10:44	8°♌16'41	
asc. node	1347 Jan 25 j 15:31	27°♌49'35			1349 Jul 30 j 04:29	0°♌	
	1347 Jan 27 j 13:39	0°♍		morning set	1349 Aug 15 j 16:23	20°♌21'20	
evening max el	1347 Feb 23 j 03:57	28°♍26'16	46°14'42		1349 Aug 23 j 11:03	0°♍	
	1347 Feb 24 j 17:56	0°♌			1349 Sep 16 j 12:54	0°♌	
greatest brilliancy	1347 Mar 29 j 23:43	26°♌02'11	-4.5m	max. Earth dist.	1349 Sep 18 j 16:13	2°♌40'21	1.71903 AU
retrograde	1347 Apr 13 j 18:11	29°♌53'14					
evening set	1347 Apr 29 j 06:37	25°♌10'32		superior conj	1349 Sep 21 j 21:25	6°♌41'41	1°16'44
inferior conj	1347 May 05 j 02:56	21°♌37'18	2°48'09	minimum elong	1349 Sep 22 j 05:10	7°♌05'54	1°16'34
minimum elong	1347 May 05 j 08:48	21°♌28'05	2°46'31		1349 Oct 10 j 12:08	0°♌	
min. Earth dist.	1347 May 05 j 04:21	21°♌35'05	0.28838 AU	evening rise	1349 Oct 31 j 08:48	26°♌09'15	
morning rise	1347 May 11 j 11:19	17°♌48'08		desc. node	1349 Nov 01 j 00:09	26°♌57'22	
desc. node	1347 May 17 j 04:41	15°♌08'02			1349 Nov 03 j 10:24	0°♌	
direct	1347 May 26 j 15:47	13°♌21'28			1349 Nov 27 j 08:48	0°♌	
greatest brilliancy	1347 Jun 08 j 16:16	16°♌20'51	-4.5m		1349 Dec 21 j 08:29	0°♌	
	1347 Jun 29 j 17:22	0°♌			1350 Jan 14 j 11:37	0°♌	
morning max el	1347 Jul 14 j 10:50	13°♌07'43	45°45'33		1350 Feb 07 j 21:59	0°♍	
	1347 Jul 31 j 05:18	0°♌		asc. node	1350 Feb 22 j 03:22	17°♍11'26	
	1347 Aug 27 j 10:58	0°♌			1350 Mar 04 j 21:31	0°♌	
asc. node	1347 Sep 07 j 08:21	12°♌36'04			1350 Mar 30 j 20:22	0°♌	
	1347 Sep 22 j 01:13	0°♍			1350 Apr 27 j 19:20	0°♌	
	1347 Oct 16 j 18:05	0°♌		evening max el	1350 May 04 j 17:20	6°♌48'45	45°23'48
	1347 Nov 09 j 23:11	0°♌			1350 Jun 02 j 09:14	0°♌	
	1347 Dec 03 j 22:45	0°♌		greatest brilliancy	1350 Jun 08 j 15:19	3°♌16'47	-4.5m
	1347 Dec 27 j 20:32	0°♌		desc. node	1350 Jun 13 j 16:49	5°♌11'42	
desc. node	1347 Dec 27 j 21:44	0°♌03'45		retrograde	1350 Jun 22 j 06:47	6°♌32'35	
morning set	1348 Jan 14 j 05:55	21°♌49'17		evening set	1350 Jul 08 j 07:40	1°♌40'53	

	1350 Jul 11 j 04:24	30°☿			1352 Dec 11 j 19:43	0°♁	
inferior conj	1350 Jul 13 j 18:37	28°☿23'55	-6°-18'-46		1353 Jan 04 j 16:29	0°≈	
minimum elong	1350 Jul 13 j 08:40	28°☿39'25	6°16'48	evening rise	1353 Jan 16 j 08:26	14°≈37'53	
min. Earth dist.	1350 Jul 13 j 20:29	28°☿21'00	0.28912 AU		1353 Jan 28 j 15:16	0°♁	
morning rise	1350 Jul 18 j 09:22	25°☿34'48			1353 Feb 21 j 17:51	0°♂	
direct	1350 Aug 04 j 09:05	20°☿07'24			1353 Mar 18 j 02:29	0°♁	
greatest brilliancy	1350 Aug 18 j 16:48	23°☿41'42	-4.5m	asc. node	1353 Mar 21 j 15:22	4°♁19'20	
	1350 Aug 29 j 08:46	0°♁			1353 Apr 11 j 19:42	0°♁	
morning max el	1350 Sep 22 j 23:21	21°♁13'38	46°18'13		1353 May 07 j 00:53	0°☿	
	1350 Oct 01 j 14:17	0°♁			1353 Jun 02 j 00:40	0°♁	
asc. node	1350 Oct 04 j 20:11	3°♁25'15			1353 Jun 29 j 12:04	0°♁	
	1350 Oct 28 j 16:31	0°♁		desc. node	1353 Jul 11 j 04:32	11°♁52'01	
	1350 Nov 23 j 00:10	0°♁		evening max el	1353 Jul 15 j 04:36	15°♁44'54	45°43'57
	1350 Dec 17 j 14:09	0°♁			1353 Jul 31 j 06:26	0°♁	
	1351 Jan 10 j 20:55	0°♁		greatest brilliancy	1353 Aug 22 j 06:07	13°♁33'59	-4.5m
desc. node	1351 Jan 24 j 09:34	16°♁46'20		retrograde	1353 Sep 02 j 03:19	15°♁41'01	
	1351 Feb 04 j 01:24	0°≈		evening set	1353 Sep 19 j 11:35	10°♁01'43	
	1351 Feb 28 j 05:56	0°♁		inferior conj	1353 Sep 23 j 01:22	7°♁52'33	-7°-57'-6
	1351 Mar 24 j 11:44	0°♂		minimum elong	1353 Sep 23 j 09:44	7°♁39'45	7°56'01
morning set	1351 Mar 29 j 20:19	6°♂37'08		min. Earth dist.	1353 Sep 23 j 22:43	7°♁19'54	0.27605 AU
	1351 Apr 17 j 19:20	0°♁		morning rise	1353 Sep 27 j 07:34	5°♁19'02	
					1353 Oct 12 j 00:23	30°♁	
superior conj	1351 May 06 j 09:05	22°♁51'28	0°-26'-7	direct	1353 Oct 14 j 02:17	29°♁54'43	
minimum elong	1351 May 06 j 14:25	23°♁07'52	0°25'54		1353 Oct 16 j 04:36	0°♁	
max. Earth dist.	1351 May 07 j 08:37	24°♁03'49	1.73459 AU	greatest brilliancy	1353 Oct 28 j 03:39	3°♁32'06	-4.6m
	1351 May 12 j 04:33	0°♁		asc. node	1353 Nov 01 j 07:57	5°♁46'37	
asc. node	1351 May 17 j 13:07	6°♁34'56			1353 Nov 30 j 12:56	0°♁	
	1351 Jun 05 j 14:43	0°☿		morning max el	1353 Dec 03 j 21:16	3°♁22'36	46°54'56
evening rise	1351 Jun 11 j 21:10	7°☿41'40			1353 Dec 28 j 10:07	0°♁	
	1351 Jun 30 j 01:22	0°♁			1354 Jan 23 j 05:35	0°♁	
	1351 Jul 24 j 12:49	0°♁			1354 Feb 17 j 07:35	0°≈	
	1351 Aug 18 j 02:15	0°♁		desc. node	1354 Feb 20 j 21:24	4°≈18'49	
desc. node	1351 Sep 06 j 02:19	23°♁05'34			1354 Mar 14 j 02:29	0°♁	
	1351 Sep 11 j 19:19	0°♁			1354 Apr 07 j 18:31	0°♂	
	1351 Oct 06 j 18:14	0°♁			1354 May 02 j 09:20	0°♁	
	1351 Nov 01 j 03:52	0°♁			1354 May 26 j 23:07	0°♁	
	1351 Nov 27 j 14:45	0°≈		morning set	1354 Jun 06 j 11:38	12°♁52'14	
evening max el	1351 Dec 11 j 05:44	14°≈26'44	47°16'45	asc. node	1354 Jun 14 j 00:56	22°♁07'28	
	1351 Dec 27 j 12:13	0°♁			1354 Jun 20 j 11:00	0°☿	
asc. node	1351 Dec 28 j 05:43	0°♁38'04		max. Earth dist.	1354 Jul 10 j 03:55	24°☿14'07	1.73333 AU
greatest brilliancy	1352 Jan 17 j 20:58	14°♁56'06	-4.7m				
retrograde	1352 Jan 31 j 05:51	18°♁16'33		superior conj	1354 Jul 12 j 20:11	27°☿32'11	1°01'18
evening set	1352 Feb 18 j 04:44	12°♁01'22		minimum elong	1354 Jul 12 j 11:27	27°☿05'15	1°01'00
min. Earth dist.	1352 Feb 20 j 15:23	10°♁30'13	0.27871 AU		1354 Jul 14 j 20:08	0°♁	
inferior conj	1352 Feb 21 j 05:59	10°♁07'14	8°46'11		1354 Aug 08 j 02:31	0°♁	
minimum elong	1352 Feb 21 j 06:06	10°♁07'03	8°46'11	evening rise	1354 Aug 17 j 21:00	12°♁06'28	
morning rise	1352 Feb 24 j 07:38	8°♁12'48			1354 Sep 01 j 07:11	0°♁	
direct	1352 Mar 13 j 01:35	2°♁08'32			1354 Sep 25 j 11:32	0°♁	
greatest brilliancy	1352 Mar 24 j 01:58	4°♁21'35	-4.6m	desc. node	1354 Oct 03 j 14:17	10°♁03'38	
desc. node	1352 Apr 17 j 18:59	20°♁27'56			1354 Oct 19 j 16:38	0°♁	
	1352 Apr 28 j 09:55	0°♂			1354 Nov 12 j 23:34	0°♁	
morning max el	1352 May 01 j 05:57	2°♂42'07	45°58'00		1354 Dec 07 j 10:45	0°≈	
	1352 May 27 j 17:05	0°♁			1355 Jan 01 j 08:10	0°♁	
	1352 Jun 23 j 14:06	0°♁		asc. node	1355 Jan 24 j 17:27	27°♁10'58	
	1352 Jul 19 j 09:07	0°☿			1355 Jan 27 j 05:29	0°♂	
asc. node	1352 Aug 08 j 22:28	24°☿31'55		evening max el	1355 Feb 20 j 19:37	26°♂12'28	46°17'02
	1352 Aug 13 j 11:07	0°♁			1355 Feb 24 j 16:32	0°♁	
	1352 Sep 07 j 00:22	0°♁		greatest brilliancy	1355 Mar 27 j 18:11	23°♁54'51	-4.5m
	1352 Oct 01 j 04:32	0°♁		retrograde	1355 Apr 11 j 10:28	27°♁43'29	
	1352 Oct 25 j 03:19	0°♁		evening set	1355 Apr 27 j 01:05	22°♁58'21	
morning set	1352 Oct 26 j 00:55	1°♁07'50		inferior conj	1355 May 02 j 19:19	19°♁27'41	3°06'57
	1352 Nov 17 j 23:43	0°♁		minimum elong	1355 May 03 j 01:45	19°♁17'33	3°05'11
desc. node	1352 Nov 28 j 11:59	13°♁13'49		min. Earth dist.	1355 May 02 j 20:46	19°♁25'25	0.28822 AU
				morning rise	1355 May 09 j 02:46	15°♁39'26	
superior conj	1352 Dec 05 j 19:01	22°♁24'40	0°-17'-20	desc. node	1355 May 16 j 06:51	12°♁29'15	
minimum elong	1352 Dec 05 j 14:24	22°♁10'09	0°17'07	direct	1355 May 24 j 08:06	11°♁12'18	
max. Earth dist.	1352 Dec 06 j 18:04	23°♁37'12	1.71056 AU	greatest brilliancy	1355 Jun 06 j 05:47	14°♁08'37	-4.5m

	1355 Jun 29 j 23:35	0°♁			1358 Jan 13 j 23:11	0°♁	
morning max el	1355 Jul 12 j 01:59	10°♁56'15	45°45'00		1358 Feb 07 j 09:59	0°♁	
	1355 Jul 30 j 22:36	0°♁		asc. node	1358 Feb 21 j 05:30	16°♁40'44	
	1355 Aug 27 j 00:54	0°♁			1358 Mar 04 j 10:20	0°♁	
asc. node	1355 Sep 06 j 10:29	12°♁03'36			1358 Mar 30 j 11:01	0°♁	
	1355 Sep 21 j 13:43	0°♁			1358 Apr 27 j 15:05	0°♁	
	1355 Oct 16 j 05:54	0°♁		evening max el	1358 May 02 j 08:30	4°♁37'27	45°24'34
	1355 Nov 09 j 10:39	0°♁			1358 Jun 03 j 22:19	0°♁	
	1355 Dec 03 j 10:01	0°♁		greatest brilliancy	1358 Jun 06 j 03:47	1°♁04'14	-4.5m
desc. node	1355 Dec 26 j 23:43	29°♁35'09		desc. node	1358 Jun 12 j 18:44	3°♁27'05	
	1355 Dec 27 j 07:38	0°♁		retrograde	1358 Jun 19 j 23:11	4°♁24'31	
morning set	1356 Jan 11 j 15:58	19°♁15'52			1358 Jul 05 j 03:34	30°♁	
	1356 Jan 20 j 05:28	0°♁		evening set	1358 Jul 05 j 21:06	29°♁35'50	
	1356 Feb 13 j 04:47	0°♁		inferior conj	1358 Jul 11 j 10:49	26°♁15'06	-6°-4'-48
				minimum elong	1358 Jul 11 j 00:52	26°♁30'34	6°02'44
superior conj	1356 Feb 21 j 16:55	10°♁36'48	-1°-25'-54	min. Earth dist.	1358 Jul 11 j 12:09	26°♁13'02	0.28931 AU
minimum elong	1356 Feb 21 j 17:00	10°♁37'04	1°25'55	morning rise	1358 Jul 16 j 04:23	23°♁22'07	
max. Earth dist.	1356 Feb 25 j 22:15	15°♁52'30	1.72064 AU	direct	1358 Aug 02 j 01:20	17°♁58'08	
	1356 Mar 08 j 06:43	0°♁		greatest brilliancy	1358 Aug 16 j 10:09	21°♁33'44	-4.5m
evening rise	1356 Apr 01 j 00:40	29°♁24'22			1358 Aug 30 j 01:01	0°♁	
	1356 Apr 01 j 12:13	0°♁		morning max el	1358 Sep 20 j 15:13	19°♁00'51	46°16'42
asc. node	1356 Apr 18 j 03:20	20°♁28'11			1358 Oct 01 j 09:04	0°♁	
	1356 Apr 25 j 21:51	0°♁		asc. node	1358 Oct 03 j 22:17	2°♁42'37	
	1356 May 20 j 11:58	0°♁			1358 Oct 28 j 07:11	0°♁	
	1356 Jun 14 j 07:22	0°♁			1358 Nov 22 j 13:13	0°♁	
	1356 Jul 09 j 10:17	0°♁			1358 Dec 17 j 02:20	0°♁	
	1356 Aug 04 j 01:16	0°♁			1359 Jan 10 j 08:36	0°♁	
desc. node	1356 Aug 07 j 16:22	4°♁10'53		desc. node	1359 Jan 23 j 11:33	16°♁16'50	
	1356 Aug 30 j 13:52	0°♁			1359 Feb 03 j 12:43	0°♁	
evening max el	1356 Sep 26 j 11:50	28°♁20'12	46°53'22		1359 Feb 27 j 16:59	0°♁	
	1356 Sep 28 j 04:26	0°♁			1359 Mar 23 j 22:34	0°♁	
greatest brilliancy	1356 Nov 04 j 09:46	28°♁14'01	-4.7m	morning set	1359 Mar 27 j 11:30	4°♁22'28	
	1356 Nov 10 j 01:30	0°♁			1359 Apr 17 j 05:58	0°♁	
retrograde	1356 Nov 15 j 17:43	0°♁37'39					
	1356 Nov 21 j 06:51	30°♁		superior conj	1359 May 04 j 02:23	20°♁44'38	0°-29'-12
asc. node	1356 Nov 28 j 19:52	27°♁12'24		minimum elong	1359 May 04 j 08:18	21°♁02'51	0°28'56
evening set	1356 Nov 30 j 01:02	26°♁34'48		max. Earth dist.	1359 May 05 j 05:16	22°♁07'19	1.73432 AU
min. Earth dist.	1356 Dec 05 j 22:58	23°♁07'58	0.26402 AU		1359 May 11 j 15:04	0°♁	
inferior conj	1356 Dec 06 j 06:39	22°♁56'12	1°55'40	asc. node	1359 May 16 j 15:08	6°♁08'48	
minimum elong	1356 Dec 06 j 02:19	23°♁02'50	1°54'16		1359 Jun 05 j 01:16	0°♁	
morning rise	1356 Dec 12 j 03:43	19°♁29'25		evening rise	1359 Jun 09 j 16:17	5°♁40'38	
direct	1356 Dec 26 j 14:34	15°♁20'13			1359 Jun 29 j 12:04	0°♁	
greatest brilliancy	1357 Jan 07 j 05:12	17°♁51'07	-4.7m		1359 Jul 23 j 23:50	0°♁	
	1357 Jan 26 j 07:17	0°♁			1359 Aug 17 j 13:44	0°♁	
morning max el	1357 Feb 14 j 18:56	17°♁49'18	46°42'09	desc. node	1359 Sep 05 j 04:26	22°♁35'43	
	1357 Feb 26 j 14:35	0°♁			1359 Sep 11 j 07:29	0°♁	
desc. node	1357 Mar 20 j 09:22	23°♁52'50			1359 Oct 06 j 07:26	0°♁	
	1357 Mar 25 j 19:11	0°♁			1359 Oct 31 j 18:47	0°♁	
	1357 Apr 20 j 18:28	0°♁			1359 Nov 27 j 09:22	0°♁	
	1357 May 16 j 04:40	0°♁		evening max el	1359 Dec 08 j 20:54	12°♁06'36	47°17'42
	1357 Jun 10 j 06:57	0°♁		asc. node	1359 Dec 27 j 07:41	29°♁32'07	
	1357 Jul 05 j 02:28	0°♁			1359 Dec 27 j 20:54	0°♁	
asc. node	1357 Jul 11 j 12:41	7°♁49'29		greatest brilliancy	1360 Jan 15 j 12:03	12°♁35'37	-4.7m
	1357 Jul 29 j 15:12	0°♁		retrograde	1360 Jan 28 j 21:17	15°♁56'12	
morning set	1357 Aug 13 j 09:10	18°♁11'41		evening set	1360 Feb 15 j 18:27	9°♁42'21	
	1357 Aug 22 j 21:43	0°♁		min. Earth dist.	1360 Feb 18 j 04:32	8°♁12'11	0.27816 AU
	1357 Sep 15 j 23:37	0°♁		inferior conj	1360 Feb 18 j 20:24	7°♁47'17	8°46'25
max. Earth dist.	1357 Sep 16 j 07:27	0°♁24'31	1.71957 AU	minimum elong	1360 Feb 18 j 19:41	7°♁48'25	8°46'25
				morning rise	1360 Feb 21 j 21:07	5°♁54'34	
superior conj	1357 Sep 19 j 12:24	4°♁24'57	1°18'09		1360 Mar 07 j 17:24	30°♁	
minimum elong	1357 Sep 19 j 19:34	4°♁47'23	1°18'01	direct	1360 Mar 10 j 15:48	29°♁49'30	
	1357 Oct 09 j 22:56	0°♁			1360 Mar 13 j 15:22	0°♁	
evening rise	1357 Oct 28 j 20:21	23°♁40'51		greatest brilliancy	1360 Mar 21 j 14:16	2°♁01'29	-4.6m
desc. node	1357 Oct 31 j 02:13	26°♁29'39		desc. node	1360 Apr 16 j 21:03	19°♁27'38	
	1357 Nov 02 j 21:21	0°♁			1360 Apr 28 j 09:21	0°♁	
	1357 Nov 26 j 19:55	0°♁		morning max el	1360 Apr 28 j 21:33	0°♁29'20	45°59'18
	1357 Dec 20 j 19:47	0°♁			1360 May 27 j 09:01	0°♁	

	1360 Jun 23 j 03:23	0°♁			1362 Nov 12 j 11:38	0°♁		
	1360 Jul 18 j 21:08	0°♁			1362 Dec 06 j 23:29	0°♁		
asc. node	1360 Aug 08 j 00:38	24°♁03'52			1362 Dec 31 j 22:03	0°♁		
	1360 Aug 12 j 22:30	0°♁		asc. node	1363 Jan 23 j 19:37	26°♁32'04		
	1360 Sep 06 j 11:25	0°♁			1363 Jan 26 j 21:48	0°♁		
greatest brilliancy	1360 Sep 24 j 13:30	22°♁25'07	-3.9m	evening max el	1363 Feb 18 j 10:13	23°♁55'08	46°19'30	
	1360 Sep 30 j 15:28	0°♁			1363 Feb 24 j 16:25	0°♁		
morning set	1360 Oct 23 j 13:49	28°♁43'22		greatest brilliancy	1363 Mar 25 j 12:16	21°♁46'13	-4.5m	
	1360 Oct 24 j 14:13	0°♁		retrograde	1363 Apr 09 j 02:27	25°♁33'04		
	1360 Nov 17 j 10:39	0°♁		evening set	1363 Apr 24 j 19:32	20°♁45'11		
desc. node	1360 Nov 27 j 13:58	12°♁45'38		inferior conj	1363 Apr 30 j 11:38	17°♁17'25	3°25'35	
				minimum elong	1363 Apr 30 j 18:36	17°♁06'26	3°23'41	
superior conj	1360 Dec 03 j 04:40	19°♁49'33	0°-13'-22	min. Earth dist.	1363 Apr 30 j 13:21	17°♁14'42	0.28803 AU	
minimum elong	1360 Dec 03 j 01:06	19°♁38'18	0°13'12	morning rise	1363 May 06 j 17:57	13°♁30'19		
behind sun begin	1360 Dec 02 j 09:15	18°♁48'26		desc. node	1363 May 15 j 08:49	9°♁54'15		
behind sun end	1360 Dec 03 j 16:57	20°♁28'11		direct	1363 May 21 j 23:49	9°♁02'20		
max. Earth dist.	1360 Dec 04 j 01:58	20°♁56'34	1.71053 AU	greatest brilliancy	1363 Jun 03 j 20:00	11°♁56'35	-4.5m	
	1360 Dec 11 j 06:40	0°♁			1363 Jun 30 j 03:58	0°♁		
	1361 Jan 04 j 03:27	0°♁		morning max el	1363 Jul 09 j 16:41	8°♁43'16	45°44'42	
evening rise	1361 Jan 13 j 18:35	12°♁04'55			1363 Jul 30 j 15:38	0°♁		
	1361 Jan 28 j 02:16	0°♁			1363 Aug 26 j 14:45	0°♁		
	1361 Feb 21 j 04:57	0°♁		asc. node	1363 Sep 05 j 12:32	11°♁30'55		
	1361 Mar 17 j 13:48	0°♁			1363 Sep 21 j 02:12	0°♁		
asc. node	1361 Mar 20 j 17:30	3°♁51'11			1363 Oct 15 j 17:43	0°♁		
	1361 Apr 11 j 07:27	0°♁			1363 Nov 08 j 22:09	0°♁		
	1361 May 06 j 13:29	0°♁			1363 Dec 02 j 21:21	0°♁		
	1361 Jun 01 j 14:57	0°♁		desc. node	1363 Dec 26 j 01:47	29°♁06'25		
	1361 Jun 29 j 06:24	0°♁			1363 Dec 26 j 18:51	0°♁		
desc. node	1361 Jul 10 j 06:37	11°♁04'08		morning set	1364 Jan 09 j 01:37	16°♁40'32		
evening max el	1361 Jul 12 j 19:18	13°♁30'28	45°42'04		1364 Jan 19 j 16:36	0°♁		
	1361 Jul 31 j 18:09	0°♁			1364 Feb 12 j 15:51	0°♁		
greatest brilliancy	1361 Aug 19 j 18:22	11°♁14'44	-4.5m					
retrograde	1361 Aug 30 j 16:23	13°♁22'07		superior conj	1364 Feb 19 j 05:04	8°♁10'35	-1°-25'-51	
evening set	1361 Sep 17 j 03:50	7°♁39'00		minimum elong	1364 Feb 19 j 04:08	8°♁07'41	1°25'52	
inferior conj	1361 Sep 20 j 15:13	5°♁32'59	-8°-5'-56	max. Earth dist.	1364 Feb 23 j 09:59	13°♁25'08	1.72006 AU	
minimum elong	1361 Sep 20 j 23:00	5°♁21'03	8°05'00		1364 Mar 07 j 17:44	0°♁		
min. Earth dist.	1361 Sep 21 j 12:09	5°♁00'53	0.27673 AU	evening rise	1364 Mar 29 j 15:04	27°♁06'42		
morning rise	1361 Sep 24 j 17:52	3°♁04'14			1364 Mar 31 j 23:13	0°♁		
	1361 Sep 30 j 17:10	30°♁		asc. node	1364 Apr 17 j 05:19	20°♁00'23		
direct	1361 Oct 11 j 17:08	27°♁34'20			1364 Apr 25 j 08:57	0°♁		
	1361 Oct 23 j 02:28	0°♁			1364 May 19 j 23:18	0°♁		
greatest brilliancy	1361 Oct 25 j 18:17	1°♁10'59	-4.6m		1364 Jun 13 j 19:11	0°♁		
asc. node	1361 Oct 31 j 10:00	4°♁18'56			1364 Jul 08 j 22:56	0°♁		
	1361 Nov 30 j 12:05	0°♁			1364 Aug 03 j 15:23	0°♁		
morning max el	1361 Dec 01 j 11:01	0°♁58'21	46°54'09	desc. node	1364 Aug 06 j 18:32	3°♁35'53		
	1361 Dec 28 j 02:39	0°♁			1364 Aug 30 j 06:51	0°♁		
	1362 Jan 22 j 19:40	0°♁		evening max el	1364 Sep 23 j 23:58	25°♁53'26	46°51'15	
	1362 Feb 16 j 20:23	0°♁			1364 Sep 28 j 05:21	0°♁		
desc. node	1362 Feb 19 j 23:35	3°♁47'08		greatest brilliancy	1364 Nov 01 j 23:56	25°♁46'58	-4.7m	
	1362 Mar 13 j 14:29	0°♁		retrograde	1364 Nov 13 j 05:46	28°♁08'51		
	1362 Apr 07 j 05:57	0°♁		evening set	1364 Nov 27 j 13:09	24°♁06'11		
	1362 May 01 j 20:25	0°♁		asc. node	1364 Nov 27 j 21:49	23°♁54'36		
	1362 May 26 j 09:57	0°♁		min. Earth dist.	1364 Dec 03 j 13:02	20°♁37'01	0.26396 AU	
morning set	1362 Jun 04 j 05:51	10°♁48'09		inferior conj	1364 Dec 03 j 19:01	20°♁27'54	1°31'32	
asc. node	1362 Jun 13 j 02:55	21°♁40'40		minimum elong	1364 Dec 03 j 15:33	20°♁33'11	1°30'26	
	1362 Jun 19 j 21:42	0°♁		morning rise	1364 Dec 09 j 17:56	16°♁58'45		
max. Earth dist.	1362 Jul 07 j 22:47	22°♁11'35	1.73360 AU	direct	1364 Dec 24 j 02:28	12°♁51'32		
				greatest brilliancy	1365 Jan 04 j 20:57	15°♁26'20	-4.7m	
superior conj	1362 Jul 10 j 14:46	25°♁28'39	0°59'06		1365 Jan 26 j 18:59	0°♁		
minimum elong	1362 Jul 10 j 06:02	25°♁01'45	0°58'47	morning max el	1365 Feb 12 j 08:03	15°♁24'02	46°43'22	
	1362 Jul 14 j 06:48	0°♁			1365 Feb 26 j 09:55	0°♁		
	1362 Aug 07 j 13:15	0°♁		desc. node	1365 Mar 19 j 11:24	23°♁13'56		
evening rise	1362 Aug 15 j 14:28	9°♁58'21			1365 Mar 25 j 10:23	0°♁		
	1362 Aug 31 j 18:06	0°♁			1365 Apr 20 j 07:48	0°♁		
	1362 Sep 24 j 22:44	0°♁			1365 May 15 j 16:57	0°♁		
desc. node	1362 Oct 02 j 16:23	9°♁35'08			1365 Jun 09 j 18:35	0°♁		
	1362 Oct 19 j 04:13	0°♁			1365 Jul 04 j 13:42	0°♁		

asc. node	1365 Jul 10 j 14:50	7°♁21'57		greatest brilliancy	1368 Jan 13 j 04:10	10°♁15'53	-4.7m
	1365 Jul 29 j 02:14	0°♁		retrograde	1368 Jan 26 j 12:50	13°♁35'12	
morning set	1365 Aug 11 j 01:57	16°♁01'06		evening set	1368 Feb 13 j 07:54	7°♁23'38	
	1365 Aug 22 j 08:41	0°♁		min. Earth dist.	1368 Feb 15 j 17:44	5°♁53'53	0.27758 AU
max. Earth dist.	1365 Sep 13 j 23:31	28°♁10'19	1.72005 AU	inferior conj	1368 Feb 16 j 10:56	5°♁26'53	8°45'42
	1365 Sep 15 j 10:38	0°♁		minimum elong	1368 Feb 16 j 09:23	5°♁29'19	8°45'41
				morning rise	1368 Feb 19 j 11:07	3°♁35'07	
superior conj	1365 Sep 17 j 03:35	2°♁07'57	1°19'26		1368 Feb 26 j 04:14	30°♁	
minimum elong	1365 Sep 17 j 10:08	2°♁28'26	1°19'19	direct	1368 Mar 08 j 06:21	27°♁30'20	
	1365 Oct 09 j 10:02	0°♁		greatest brilliancy	1368 Mar 19 j 01:41	29°♁39'56	-4.6m
evening rise	1365 Oct 26 j 08:22	21°♁13'05			1368 Mar 19 j 22:10	0°♁	
desc. node	1365 Oct 30 j 04:13	26°♁00'50		desc. node	1368 Apr 15 j 23:04	18°♁28'03	
	1365 Nov 02 j 08:33	0°♁		morning max el	1368 Apr 26 j 12:44	28°♁14'46	46°00'21
	1365 Nov 26 j 07:15	0°♁			1368 Apr 28 j 08:05	0°♁	
	1365 Dec 20 j 07:20	0°♁			1368 May 27 j 01:03	0°♁	
	1366 Jan 13 j 11:01	0°♁			1368 Jun 22 j 16:59	0°♁	
	1366 Feb 06 j 22:20	0°♁			1368 Jul 18 j 09:33	0°♁	
asc. node	1366 Feb 20 j 07:34	16°♁08'37		asc. node	1368 Aug 07 j 02:44	23°♁34'21	
	1366 Mar 03 j 23:38	0°♁			1368 Aug 12 j 10:16	0°♁	
	1366 Mar 30 j 02:22	0°♁			1368 Sep 05 j 22:51	0°♁	
	1366 Apr 27 j 12:09	0°♁		greatest brilliancy	1368 Sep 28 j 14:08	28°♁05'49	-3.9m
evening max el	1366 Apr 30 j 00:23	2°♁26'15	45°25'26		1368 Sep 30 j 02:44	0°♁	
greatest brilliancy	1366 Jun 03 j 16:42	28°♁50'30	-4.5m	morning set	1368 Oct 21 j 02:40	26°♁17'51	
	1366 Jun 06 j 11:10	0°♁			1368 Oct 24 j 01:26	0°♁	
desc. node	1366 Jun 11 j 20:49	1°♁36'44			1368 Nov 16 j 21:53	0°♁	
retrograde	1366 Jun 17 j 15:39	2°♁14'20		desc. node	1368 Nov 26 j 16:03	12°♁16'50	
	1366 Jun 28 j 07:16	30°♁					
evening set	1366 Jul 03 j 10:30	27°♁28'44		superior conj	1368 Nov 30 j 14:26	17°♁13'52	0°-9'-23
inferior conj	1366 Jul 09 j 02:47	24°♁04'16	-5°-50'-12	minimum elong	1368 Nov 30 j 11:55	17°♁05'57	0°09'17
minimum elong	1366 Jul 08 j 16:55	24°♁19'37	5°48'05	behind sun begin	1368 Nov 29 j 13:53	15°♁56'34	
min. Earth dist.	1366 Jul 09 j 03:24	24°♁03'19	0.28945 AU	behind sun end	1368 Dec 01 j 09:58	18°♁15'21	
morning rise	1366 Jul 13 j 23:08	21°♁07'27		max. Earth dist.	1368 Dec 01 j 07:28	18°♁07'28	1.71051 AU
direct	1366 Jul 30 j 17:48	15°♁47'05			1368 Dec 10 j 17:55	0°♁	
greatest brilliancy	1366 Aug 14 j 02:22	19°♁22'53	-4.5m		1369 Jan 03 j 14:43	0°♁	
	1366 Aug 30 j 13:48	0°♁		evening rise	1369 Jan 11 j 04:46	9°♁31'06	
morning max el	1366 Sep 18 j 07:24	16°♁47'47	46°15'11		1369 Jan 27 j 13:32	0°♁	
	1366 Oct 01 j 03:49	0°♁			1369 Feb 20 j 16:17	0°♁	
asc. node	1366 Oct 03 j 00:17	1°♁59'02			1369 Mar 17 j 01:21	0°♁	
	1366 Oct 27 j 22:04	0°♁		asc. node	1369 Mar 19 j 19:29	3°♁21'52	
	1366 Nov 22 j 02:29	0°♁			1369 Apr 10 j 19:29	0°♁	
	1366 Dec 16 j 14:46	0°♁			1369 May 06 j 02:25	0°♁	
	1367 Jan 09 j 20:31	0°♁			1369 Jun 01 j 05:45	0°♁	
desc. node	1367 Jan 22 j 13:45	15°♁47'18			1369 Jun 29 j 01:41	0°♁	
	1367 Feb 03 j 00:17	0°♁		desc. node	1369 Jul 09 j 08:46	10°♁14'20	
	1367 Feb 27 j 04:18	0°♁		evening max el	1369 Jul 10 j 09:15	11°♁13'02	45°40'05
	1367 Mar 23 j 09:41	0°♁			1369 Aug 01 j 10:38	0°♁	
morning set	1367 Mar 25 j 02:35	2°♁06'27		greatest brilliancy	1369 Aug 17 j 07:25	8°♁55'03	-4.5m
	1367 Apr 16 j 16:58	0°♁		retrograde	1369 Aug 28 j 05:07	11°♁02'09	
				evening set	1369 Sep 14 j 19:51	5°♁15'32	
superior conj	1367 May 01 j 19:21	18°♁35'30	0°-32'-16	inferior conj	1369 Sep 18 j 05:04	3°♁12'29	-8°-13'-50
minimum elong	1367 May 02 j 01:50	18°♁55'26	0°31'59	minimum elong	1369 Sep 18 j 12:12	3°♁01'31	8°13'04
max. Earth dist.	1367 May 03 j 02:31	20°♁11'23	1.73409 AU	min. Earth dist.	1369 Sep 19 j 01:55	2°♁40'25	0.27739 AU
	1367 May 11 j 02:01	0°♁		morning rise	1369 Sep 22 j 04:15	0°♁48'24	
asc. node	1367 May 15 j 17:10	5°♁41'26			1369 Sep 23 j 14:01	30°♁	
	1367 Jun 04 j 12:15	0°♁		direct	1369 Oct 09 j 07:18	25°♁12'54	
evening rise	1367 Jun 07 j 10:59	3°♁37'01		greatest brilliancy	1369 Oct 23 j 09:18	28°♁49'28	-4.6m
	1367 Jun 28 j 23:13	0°♁			1369 Oct 25 j 16:22	0°♁	
	1367 Jul 23 j 11:17	0°♁		asc. node	1369 Oct 30 j 12:03	2°♁53'09	
	1367 Aug 17 j 01:39	0°♁		morning max el	1369 Nov 29 j 00:01	28°♁31'20	46°53'26
desc. node	1367 Sep 04 j 06:28	22°♁04'17			1369 Nov 30 j 10:37	0°♁	
	1367 Sep 10 j 20:06	0°♁			1369 Dec 27 j 19:07	0°♁	
	1367 Oct 05 j 21:07	0°♁			1370 Jan 22 j 09:50	0°♁	
	1367 Oct 31 j 10:18	0°♁			1370 Feb 16 j 09:17	0°♁	
	1367 Nov 27 j 04:50	0°♁		desc. node	1370 Feb 19 j 01:32	3°♁14'20	
evening max el	1367 Dec 06 j 12:48	9°♁47'22	47°18'39		1370 Mar 13 j 02:35	0°♁	
asc. node	1367 Dec 26 j 09:53	28°♁24'13			1370 Apr 06 j 17:31	0°♁	
	1367 Dec 28 j 08:58	0°♁			1370 May 01 j 07:37	0°♁	

	1370 May 25 j 20:55	0°♁		min. Earth dist.	1372 Dec 01 j 02:35	18°♁05'07	0.26394 AU
morning set	1370 Jun 02 j 00:14	8°♁44'09		inferior conj	1372 Dec 01 j 07:01	17°♁58'22	1°06'58
asc. node	1370 Jun 12 j 05:05	21°♁14'02		minimum elong	1372 Dec 01 j 04:28	18°♁02'15	1°06'09
	1370 Jun 19 j 08:34	0°♁		morning rise	1372 Dec 07 j 07:41	14°♁27'20	
max. Earth dist.	1370 Jul 05 j 17:50	20°♁09'02	1.73394 AU	direct	1372 Dec 21 j 14:34	10°♁21'41	
				greatest brilliancy	1373 Jan 02 j 11:54	12°♁59'58	-4.7m
superior conj	1370 Jul 08 j 09:24	23°♁24'46	0°56'49		1373 Jan 27 j 03:45	0°♁	
minimum elong	1370 Jul 08 j 00:43	22°♁58'03	0°56'30	morning max el	1373 Feb 09 j 21:56	13°♁00'43	46°44'44
	1370 Jul 13 j 17:39	0°♁			1373 Feb 26 j 04:40	0°♁	
	1370 Aug 07 j 00:13	0°♁		desc. node	1373 Mar 18 j 13:26	22°♁35'48	
evening rise	1370 Aug 13 j 07:53	7°♁49'29			1373 Mar 25 j 01:15	0°♁	
	1370 Aug 31 j 05:16	0°♁			1373 Apr 19 j 20:52	0°♁	
	1370 Sep 24 j 10:11	0°♁			1373 May 15 j 05:00	0°♁	
desc. node	1370 Oct 01 j 18:20	9°♁05'25			1373 Jun 09 j 05:59	0°♁	
	1370 Oct 18 j 16:02	0°♁			1373 Jul 04 j 00:42	0°♁	
	1370 Nov 11 j 23:54	0°♁		asc. node	1373 Jul 09 j 16:55	6°♁54'56	
	1370 Dec 06 j 12:26	0°♁			1373 Jul 28 j 13:02	0°♁	
	1370 Dec 31 j 12:12	0°♁		morning set	1373 Aug 08 j 19:15	13°♁52'59	
asc. node	1371 Jan 22 j 21:40	25°♁52'06			1373 Aug 21 j 19:26	0°♁	
	1371 Jan 26 j 14:32	0°♁		max. Earth dist.	1373 Sep 11 j 15:44	25°♁57'26	1.72059 AU
evening max el	1371 Feb 16 j 00:18	21°♁36'13	46°22'04				
	1371 Feb 24 j 17:34	0°♁		superior conj	1373 Sep 14 j 19:08	29°♁52'50	1°20'34
greatest brilliancy	1371 Mar 23 j 05:36	19°♁36'27	-4.5m	minimum elong	1373 Sep 15 j 01:01	0°♁11'13	1°20'29
retrograde	1371 Apr 06 j 18:40	23°♁23'01			1373 Sep 14 j 21:26	0°♁	
evening set	1371 Apr 22 j 14:11	18°♁31'56			1373 Oct 08 j 20:58	0°♁	
inferior conj	1371 Apr 28 j 04:05	15°♁07'26	3°43'47	evening rise	1373 Oct 23 j 20:24	18°♁45'52	
minimum elong	1371 Apr 28 j 11:32	14°♁55'40	3°41'48	desc. node	1373 Oct 29 j 06:20	25°♁32'51	
min. Earth dist.	1371 Apr 28 j 06:07	15°♁04'13	0.28785 AU		1373 Nov 01 j 19:38	0°♁	
morning rise	1371 May 04 j 09:07	11°♁21'51			1373 Nov 25 j 18:31	0°♁	
desc. node	1371 May 14 j 10:53	7°♁24'16			1373 Dec 19 j 18:49	0°♁	
direct	1371 May 19 j 15:14	6°♁52'35			1374 Jan 12 j 22:48	0°♁	
greatest brilliancy	1371 Jun 01 j 11:02	9°♁45'49	-4.5m		1374 Feb 06 j 10:34	0°♁	
	1371 Jun 30 j 06:34	0°♁		asc. node	1374 Feb 19 j 09:33	15°♁36'38	
morning max el	1371 Jul 07 j 07:50	6°♁31'30	45°44'25		1374 Mar 03 j 12:50	0°♁	
	1371 Jul 30 j 08:18	0°♁			1374 Mar 29 j 17:41	0°♁	
	1371 Aug 26 j 04:31	0°♁			1374 Apr 27 j 09:38	0°♁	
asc. node	1371 Sep 04 j 14:32	10°♁57'58		evening max el	1374 Apr 27 j 17:11	0°♁18'13	45°26'25
	1371 Sep 20 j 14:44	0°♁		greatest brilliancy	1374 Jun 01 j 07:00	26°♁39'50	-4.5m
	1371 Oct 15 j 05:39	0°♁		desc. node	1374 Jun 10 j 23:00	29°♁43'56	
	1371 Nov 08 j 09:46	0°♁			1374 Jun 13 j 02:48	0°♁	
	1371 Dec 02 j 08:45	0°♁		retrograde	1374 Jun 15 j 08:17	0°♁05'42	
desc. node	1371 Dec 25 j 03:56	28°♁37'49			1374 Jun 17 j 13:07	30°♁	
	1371 Dec 26 j 06:06	0°♁		evening set	1374 Jul 01 j 00:22	25°♁23'21	
morning set	1372 Jan 06 j 11:05	14°♁04'28		inferior conj	1374 Jul 06 j 19:00	21°♁55'13	-5°-35'-12
	1372 Jan 19 j 03:44	0°♁		minimum elong	1374 Jul 06 j 09:16	22°♁10'22	5°33'03
	1372 Feb 12 j 02:54	0°♁		min. Earth dist.	1374 Jul 06 j 18:53	21°♁55'25	0.28953 AU
				morning rise	1374 Jul 11 j 18:03	18°♁54'34	
superior conj	1372 Feb 16 j 17:07	5°♁44'05	-1°-25'-37	direct	1374 Jul 28 j 10:43	13°♁38'06	
minimum elong	1372 Feb 16 j 15:11	5°♁38'04	1°25'39	greatest brilliancy	1374 Aug 11 j 17:24	17°♁12'13	-4.5m
max. Earth dist.	1372 Feb 20 j 19:22	10°♁50'30	1.71949 AU		1374 Aug 30 j 22:38	0°♁	
	1372 Mar 07 j 04:43	0°♁		morning max el	1374 Sep 15 j 23:28	14°♁36'02	46°13'37
evening rise	1372 Mar 27 j 05:32	24°♁49'16			1374 Sep 30 j 21:38	0°♁	
	1372 Mar 31 j 10:12	0°♁		asc. node	1374 Oct 02 j 02:23	1°♁17'28	
asc. node	1372 Apr 16 j 07:24	19°♁33'02			1374 Oct 27 j 12:23	0°♁	
	1372 Apr 24 j 20:00	0°♁			1374 Nov 21 j 15:23	0°♁	
	1372 May 19 j 10:34	0°♁			1374 Dec 16 j 02:56	0°♁	
	1372 Jun 13 j 06:56	0°♁			1375 Jan 09 j 08:13	0°♁	
	1372 Jul 08 j 11:33	0°♁		desc. node	1375 Jan 21 j 15:43	15°♁17'36	
	1372 Aug 03 j 05:33	0°♁			1375 Feb 02 j 11:41	0°♁	
desc. node	1372 Aug 05 j 20:29	3°♁00'14			1375 Feb 26 j 15:25	0°♁	
	1372 Aug 30 j 00:11	0°♁		morning set	1375 Mar 22 j 17:18	29°♁49'57	
evening max el	1372 Sep 21 j 12:40	23°♁28'03	46°48'53		1375 Mar 22 j 20:33	0°♁	
	1372 Sep 28 j 07:44	0°♁			1375 Apr 16 j 03:40	0°♁	
greatest brilliancy	1372 Oct 30 j 13:08	23°♁18'01	-4.7m				
retrograde	1372 Nov 10 j 18:01	25°♁38'59		superior conj	1375 Apr 29 j 12:10	16°♁26'43	0°-35'-17
evening set	1372 Nov 25 j 01:11	21°♁36'05		minimum elong	1375 Apr 29 j 19:11	16°♁48'18	0°35'00
asc. node	1372 Nov 27 j 00:01	20°♁31'39		max. Earth dist.	1375 May 01 j 00:52	18°♁19'38	1.73379 AU

	1375 May 10 j 12:39	0°II			1377 Sep 17 j 06:22	30°♎	
asc. node	1375 May 14 j 19:19	5°II15'21		morning rise	1377 Sep 19 j 15:02	28°♎34'38	
	1375 Jun 03 j 22:56	0°☉		direct	1377 Oct 06 j 21:27	22°♎53'20	
evening rise	1375 Jun 05 j 05:45	1°☉34'34		greatest brilliancy	1377 Oct 21 j 01:26	26°♎31'14	-4.6m
	1375 Jun 28 j 10:03	0°♊			1377 Oct 27 j 06:19	0°♊	
	1375 Jul 22 j 22:23	0°♎		asc. node	1377 Oct 29 j 14:09	1°♊31'49	
	1375 Aug 16 j 13:12	0°♊		morning max el	1377 Nov 26 j 13:18	26°♊06'33	46°52'50
desc. node	1375 Sep 03 j 08:30	21°♊34'03			1377 Nov 30 j 07:45	0°♌	
	1375 Sep 10 j 08:21	0°♌			1377 Dec 27 j 10:50	0°♌	
	1375 Oct 05 j 10:28	0°♌			1378 Jan 21 j 23:24	0°♌	
	1375 Oct 31 j 01:36	0°♌			1378 Feb 15 j 21:44	0°♌	
	1375 Nov 27 j 00:31	0°♌		desc. node	1378 Feb 18 j 03:34	2°♌43'01	
evening max el	1375 Dec 04 j 04:20	7°♌27'53	47°19'05		1378 Mar 12 j 14:20	0°♌	
asc. node	1375 Dec 25 j 11:53	27°♌14'20			1378 Apr 06 j 04:47	0°♌	
	1375 Dec 29 j 00:54	0°♌			1378 Apr 30 j 18:33	0°♌	
greatest brilliancy	1376 Jan 10 j 21:02	7°♌56'53	-4.7m		1378 May 25 j 07:38	0°♌	
retrograde	1376 Jan 24 j 03:44	11°♌13'21		morning set	1378 May 30 j 18:14	6°♌39'42	
evening set	1376 Feb 10 j 20:33	5°♌05'11		asc. node	1378 Jun 11 j 07:06	20°♌47'45	
min. Earth dist.	1376 Feb 13 j 07:01	3°♌34'24	0.27700 AU		1378 Jun 18 j 19:08	0°♌	
inferior conj	1376 Feb 14 j 01:09	3°♌05'56	8°44'02	max. Earth dist.	1378 Jul 03 j 13:58	18°♌10'48	1.73423 AU
minimum elong	1376 Feb 13 j 22:44	3°♌09'43	8°43'58				
morning rise	1376 Feb 17 j 01:10	1°♌14'21		superior conj	1378 Jul 06 j 03:47	21°♌21'08	0°54'27
	1376 Feb 19 j 03:45	30°♌		minimum elong	1378 Jul 05 j 19:13	20°♌54'44	0°54'08
direct	1376 Mar 05 j 20:22	25°♌10'41			1378 Jul 13 j 04:12	0°♌	
greatest brilliancy	1376 Mar 16 j 13:10	27°♌18'00	-4.6m		1378 Aug 06 j 10:52	0°♌	
	1376 Mar 22 j 10:32	0°♌		evening rise	1378 Aug 11 j 01:24	5°♌42'01	
desc. node	1376 Apr 15 j 01:11	17°♌30'20			1378 Aug 30 j 16:08	0°♌	
morning max el	1376 Apr 24 j 02:47	25°♌57'47	46°01'36		1378 Sep 23 j 21:21	0°♌	
	1376 Apr 28 j 05:44	0°♌		desc. node	1378 Sep 30 j 20:28	8°♌37'13	
	1376 May 26 j 16:31	0°♌			1378 Oct 18 j 03:34	0°♌	
	1376 Jun 22 j 06:06	0°♌			1378 Nov 11 j 11:53	0°♌	
	1376 Jul 17 j 21:31	0°♌			1378 Dec 06 j 01:06	0°♌	
asc. node	1376 Aug 06 j 04:38	23°♌05'35		asc. node	1378 Dec 31 j 02:06	0°♌	
	1376 Aug 11 j 21:37	0°♌			1379 Jan 21 j 23:39	25°♌12'37	
	1376 Sep 05 j 09:52	0°♌			1379 Jan 26 j 07:11	0°♌	
	1376 Sep 29 j 13:34	0°♌		evening max el	1379 Feb 13 j 14:18	19°♌17'56	46°24'31
greatest brilliancy	1376 Oct 01 j 19:18	2°♌47'46	-3.9m		1379 Feb 24 j 19:43	0°♌	
morning set	1376 Oct 18 j 16:05	23°♌55'27		greatest brilliancy	1379 Mar 20 j 21:36	17°♌25'24	-4.5m
	1376 Oct 23 j 12:13	0°♌		retrograde	1379 Apr 04 j 11:01	21°♌13'13	
	1376 Nov 16 j 08:41	0°♌		evening set	1379 Apr 20 j 08:43	16°♌18'28	
desc. node	1376 Nov 25 j 18:10	11°♌49'31		inferior conj	1379 Apr 25 j 20:22	12°♌57'29	4°01'44
				minimum elong	1379 Apr 26 j 04:17	12°♌45'00	3°59'40
superior conj	1376 Nov 28 j 00:46	14°♌41'18	0°-5'-27	min. Earth dist.	1379 Apr 25 j 22:36	12°♌53'57	0.28771 AU
minimum elong	1376 Nov 27 j 23:18	14°♌36'43	0°05'24	morning rise	1379 May 02 j 00:00	9°♌13'51	
behind sun begin	1376 Nov 26 j 22:10	13°♌17'36		desc. node	1379 May 13 j 13:01	4°♌59'04	
behind sun end	1376 Nov 29 j 00:27	15°♌55'50		direct	1379 May 17 j 06:33	4°♌42'37	
max. Earth dist.	1376 Nov 28 j 11:49	15°♌16'05	1.71055 AU	greatest brilliancy	1379 May 30 j 02:38	7°♌35'55	-4.5m
	1376 Dec 10 j 04:46	0°♌			1379 Jun 30 j 07:38	0°♌	
	1377 Jan 03 j 01:37	0°♌		morning max el	1379 Jul 04 j 23:51	4°♌22'12	45°44'15
evening rise	1377 Jan 08 j 15:01	6°♌58'30			1379 Jul 30 j 00:30	0°♌	
	1377 Jan 27 j 00:30	0°♌			1379 Aug 25 j 17:57	0°♌	
	1377 Feb 20 j 03:22	0°♌		asc. node	1379 Sep 03 j 16:40	10°♌26'19	
	1377 Mar 16 j 12:41	0°♌			1379 Sep 20 j 02:57	0°♌	
asc. node	1377 Mar 18 j 21:34	2°♌53'37			1379 Oct 14 j 17:17	0°♌	
	1377 Apr 10 j 07:16	0°♌			1379 Nov 07 j 21:06	0°♌	
	1377 May 05 j 15:08	0°♌			1379 Dec 01 j 19:55	0°♌	
	1377 May 31 j 20:21	0°♌		desc. node	1379 Dec 24 j 05:52	28°♌09'20	
	1377 Jun 28 j 21:04	0°♌			1379 Dec 25 j 17:07	0°♌	
evening max el	1377 Jul 07 j 22:31	8°♌55'18	45°38'20	morning set	1380 Jan 03 j 20:50	11°♌29'55	
desc. node	1377 Jul 08 j 10:43	9°♌24'22			1380 Jan 18 j 14:38	0°♌	
	1377 Aug 02 j 07:51	0°♌			1380 Feb 11 j 13:43	0°♌	
greatest brilliancy	1377 Aug 14 j 20:15	6°♌36'49	-4.5m				
retrograde	1377 Aug 25 j 17:59	8°♌44'26		superior conj	1380 Feb 14 j 05:17	3°♌18'34	-1°-25'-15
evening set	1377 Sep 12 j 11:48	2°♌54'22		minimum elong	1380 Feb 14 j 02:22	3°♌09'28	1°25'15
inferior conj	1377 Sep 15 j 19:09	0°♌54'07	-8°-20'-45	max. Earth dist.	1380 Feb 18 j 04:30	8°♌15'41	1.71895 AU
minimum elong	1377 Sep 16 j 01:35	0°♌44'14	8°20'09		1380 Mar 06 j 15:29	0°♌	
min. Earth dist.	1377 Sep 16 j 16:06	0°♌21'54	0.27803 AU	evening rise	1380 Mar 24 j 20:05	22°♌32'45	

	1380 Mar 30 j 20:58	0°♄							1382 Nov 21 j 04:21	0°♌			
asc. node	1380 Apr 15 j 09:32	19°♄06'21							1382 Dec 15 j 15:10	0°♁			
	1380 Apr 24 j 06:53	0°♀							1383 Jan 08 j 20:01	0°♁			
	1380 May 18 j 21:44	0°♁						desc. node	1383 Jan 20 j 17:45	14°♁47'47			
	1380 Jun 12 j 18:37	0°♁							1383 Feb 01 j 23:10	0°♁			
	1380 Jul 08 j 00:09	0°♁							1383 Feb 26 j 02:40	0°♁			
	1380 Aug 02 j 19:47	0°♁						morning set	1383 Mar 20 j 07:54	27°♁32'26			
desc. node	1380 Aug 04 j 22:33	2°♁24'56							1383 Mar 22 j 07:36	0°♁			
	1380 Aug 29 j 17:45	0°♌							1383 Apr 15 j 14:33	0°♄			
evening max el	1380 Sep 19 j 02:17	21°♌05'44	46°46'38										
	1380 Sep 28 j 11:26	0°♁						superior conj	1383 Apr 27 j 04:56	14°♄17'12	0°-38'-17		
greatest brilliancy	1380 Oct 28 j 01:41	20°♁49'12	-4.7m					minimum elong	1383 Apr 27 j 12:26	14°♄40'19	0°37'58		
retrograde	1380 Nov 08 j 06:40	23°♁09'46						max. Earth dist.	1383 Apr 28 j 22:56	16°♄26'28	1.73344 AU		
evening set	1380 Nov 22 j 13:33	19°♁06'24							1383 May 09 j 23:29	0°♀			
asc. node	1380 Nov 26 j 02:02	17°♁07'09						asc. node	1383 May 13 j 21:19	4°♀48'19			
inferior conj	1380 Nov 28 j 19:03	15°♁29'16	0°42'20					evening rise	1383 Jun 03 j 00:27	29°♀31'20			
minimum elong	1380 Nov 28 j 17:25	15°♁31'44	0°41'48						1383 Jun 03 j 09:48	0°♁			
min. Earth dist.	1380 Nov 28 j 15:53	15°♁34'04	0.26395 AU						1383 Jun 27 j 21:05	0°♁			
morning rise	1380 Dec 04 j 21:16	11°♁56'38							1383 Jul 22 j 09:45	0°♁			
direct	1380 Dec 19 j 03:15	7°♁52'24							1383 Aug 16 j 01:04	0°♁			
greatest brilliancy	1380 Dec 31 j 02:05	10°♁33'03	-4.7m					desc. node	1383 Sep 02 j 10:36	21°♁02'58			
	1381 Jan 27 j 09:58	0°♁							1383 Sep 09 j 21:00	0°♌			
morning max el	1381 Feb 07 j 12:29	10°♁39'19	46°46'02						1383 Oct 05 j 00:18	0°♁			
	1381 Feb 25 j 22:50	0°♁							1383 Oct 30 j 17:29	0°♁			
desc. node	1381 Mar 17 j 15:33	21°♁58'31							1383 Nov 26 j 21:10	0°♁			
	1381 Mar 24 j 15:50	0°♁						evening max el	1383 Dec 01 j 19:01	5°♁05'13	47°19'34		
	1381 Apr 19 j 09:45	0°♁						asc. node	1383 Dec 24 j 13:52	26°♁01'36			
	1381 May 14 j 16:55	0°♄							1383 Dec 29 j 22:52	0°♁			
	1381 Jun 08 j 17:19	0°♀						greatest brilliancy	1384 Jan 08 j 14:13	5°♁37'18	-4.7m		
	1381 Jul 03 j 11:42	0°♁						retrograde	1384 Jan 21 j 18:04	8°♁50'25			
asc. node	1381 Jul 08 j 18:52	6°♁27'29						evening set	1384 Feb 08 j 08:50	2°♁46'19			
	1381 Jul 27 j 23:52	0°♁						min. Earth dist.	1384 Feb 10 j 20:38	1°♁13'27	0.27640 AU		
morning set	1381 Aug 06 j 12:21	11°♁44'11						inferior conj	1384 Feb 11 j 15:19	0°♁44'04	8°41'36		
	1381 Aug 21 j 06:14	0°♁						minimum elong	1384 Feb 11 j 12:04	0°♁49'11	8°41'26		
max. Earth dist.	1381 Sep 09 j 05:29	23°♁36'48	1.72108 AU						1384 Feb 12 j 19:26	30°♁			
								morning rise	1384 Feb 14 j 15:33	28°♁52'02			
superior conj	1381 Sep 12 j 10:35	27°♁37'24	1°21'34					direct	1384 Mar 03 j 09:50	22°♁49'59			
minimum elong	1381 Sep 12 j 15:47	27°♁53'38	1°21'30					greatest brilliancy	1384 Mar 14 j 01:31	24°♁55'52	-4.6m		
	1381 Sep 14 j 08:16	0°♁							1384 Mar 24 j 01:17	0°♁			
	1381 Oct 08 j 07:54	0°♌						desc. node	1384 Apr 14 j 03:15	16°♁32'57			
evening rise	1381 Oct 21 j 08:24	16°♌18'30						morning max el	1384 Apr 21 j 16:10	23°♁38'04	46°02'55		
desc. node	1381 Oct 28 j 08:24	25°♌04'39							1384 Apr 28 j 02:56	0°♁			
	1381 Nov 01 j 06:44	0°♁							1384 May 26 j 08:03	0°♄			
	1381 Nov 25 j 05:49	0°♁							1384 Jun 21 j 19:25	0°♀			
	1381 Dec 19 j 06:21	0°♁							1384 Jul 17 j 09:43	0°♁			
	1382 Jan 12 j 10:38	0°♁						asc. node	1384 Aug 05 j 06:51	22°♁36'55			
	1382 Feb 05 j 22:55	0°♁							1384 Aug 11 j 09:13	0°♁			
asc. node	1382 Feb 18 j 11:41	15°♁04'51							1384 Sep 04 j 21:10	0°♁			
	1382 Mar 03 j 02:10	0°♄							1384 Sep 29 j 00:46	0°♁			
	1382 Mar 29 j 09:15	0°♀						greatest brilliancy	1384 Oct 04 j 12:53	6°♁52'45	-3.9m		
evening max el	1382 Apr 25 j 09:56	28°♀09'52	45°27'21					morning set	1384 Oct 16 j 05:17	21°♁31'06			
	1382 Apr 27 j 08:00	0°♁							1384 Oct 22 j 23:24	0°♌			
greatest brilliancy	1382 May 29 j 22:04	24°♁29'51	-4.5m						1384 Nov 15 j 19:54	0°♁			
desc. node	1382 Jun 10 j 00:54	27°♁46'27						desc. node	1384 Nov 24 j 20:09	11°♁20'26			
retrograde	1382 Jun 13 j 00:24	27°♁56'32											
evening set	1382 Jun 28 j 14:20	23°♁17'26						superior conj	1384 Nov 25 j 10:46	12°♁06'28	0°-1'-28		
inferior conj	1382 Jul 04 j 11:11	19°♁45'46	-5°-19'-48					minimum elong	1384 Nov 25 j 10:23	12°♁05'15	0°01'27		
minimum elong	1382 Jul 04 j 01:37	20°♁00'40	5°17'36					behind sun begin	1384 Nov 24 j 08:09	10°♁42'41			
min. Earth dist.	1382 Jul 04 j 10:35	19°♁46'42	0.28962 AU					behind sun end	1384 Nov 26 j 12:37	13°♁27'48			
morning rise	1382 Jul 09 j 12:50	16°♁41'08						max. Earth dist.	1384 Nov 25 j 14:01	12°♁16'42	1.71061 AU		
direct	1382 Jul 26 j 03:30	11°♁28'41							1384 Dec 09 j 16:01	0°♁			
greatest brilliancy	1382 Aug 09 j 07:34	14°♁59'49	-4.5m						1385 Jan 02 j 12:52	0°♁			
	1382 Aug 31 j 05:17	0°♁						evening rise	1385 Jan 06 j 00:54	4°♁23'36			
morning max el	1382 Sep 13 j 14:49	12°♁21'55	46°12'00						1385 Jan 26 j 11:47	0°♁			
	1382 Sep 30 j 15:19	0°♁							1385 Feb 19 j 14:47	0°♁			
asc. node	1382 Oct 01 j 04:29	0°♁35'43							1385 Mar 16 j 00:22	0°♄			
	1382 Oct 27 j 02:46	0°♁						asc. node	1385 Mar 17 j 23:40	2°♄24'15			

	1385 Apr 09 j 19:29	0°♁			1387 Nov 07 j 08:41	0°♁		
	1385 May 05 j 04:18	0°♁			1387 Dec 01 j 07:20	0°♁		
	1385 May 31 j 11:32	0°♁		desc. node	1387 Dec 23 j 07:58	27°♁40'19		
	1385 Jun 28 j 17:27	0°♁			1387 Dec 25 j 04:26	0°♁		
evening max el	1385 Jul 05 j 11:36	6°♁36'17	45°36'44	morning set	1388 Jan 01 j 06:31	8°♁54'04		
desc. node	1385 Jul 07 j 12:49	8°♁32'54			1388 Jan 18 j 01:53	0°♁		
	1385 Aug 03 j 13:41	0°♁			1388 Feb 11 j 00:53	0°♁		
greatest brilliancy	1385 Aug 12 j 07:40	4°♁16'24	-4.5m					
retrograde	1385 Aug 23 j 07:12	6°♁26'13		superior conj	1388 Feb 11 j 16:55	0°♁50'04	-1°-24'-41	
evening set	1385 Sep 10 j 03:27	0°♁32'42		minimum elong	1388 Feb 11 j 12:59	0°♁37'48	1°24'40	
	1385 Sep 11 j 01:25	30°♁		max. Earth dist.	1388 Feb 15 j 13:43	5°♁39'51	1.71843 AU	
inferior conj	1385 Sep 13 j 09:15	28°♁34'54	-8°-26'-45		1388 Mar 06 j 02:36	0°♁		
minimum elong	1385 Sep 13 j 14:56	28°♁26'09	8°26'17	evening rise	1388 Mar 22 j 10:05	20°♁13'25		
min. Earth dist.	1385 Sep 14 j 06:03	28°♁02'56	0.27872 AU		1388 Mar 30 j 08:05	0°♁		
morning rise	1385 Sep 17 j 02:06	26°♁19'55		asc. node	1388 Apr 14 j 11:28	18°♁38'02		
direct	1385 Oct 04 j 11:49	20°♁32'47			1388 Apr 23 j 18:05	0°♁		
greatest brilliancy	1385 Oct 18 j 18:26	24°♁13'18	-4.6m		1388 May 18 j 09:13	0°♁		
	1385 Oct 28 j 09:32	0°♁			1388 Jun 12 j 06:39	0°♁		
asc. node	1385 Oct 28 j 16:11	0°♁11'45			1388 Jul 07 j 13:08	0°♁		
morning max el	1385 Nov 24 j 03:25	23°♁42'34	46°52'04		1388 Aug 02 j 10:27	0°♁		
	1385 Nov 30 j 04:43	0°♁		desc. node	1388 Aug 04 j 00:42	1°♁48'47		
	1385 Dec 27 j 02:51	0°♁			1388 Aug 29 j 11:59	0°♁		
	1386 Jan 21 j 13:22	0°♁		evening max el	1388 Sep 16 j 16:49	18°♁45'15	46°44'21	
	1386 Feb 15 j 10:33	0°♁			1388 Sep 28 j 17:12	0°♁		
desc. node	1386 Feb 17 j 05:46	2°♁11'00		greatest brilliancy	1388 Oct 25 j 14:25	18°♁20'39	-4.6m	
	1386 Mar 12 j 02:26	0°♁		retrograde	1388 Nov 05 j 19:22	20°♁40'21		
	1386 Apr 05 j 16:25	0°♁		evening set	1388 Nov 20 j 02:19	16°♁36'37		
	1386 Apr 30 j 05:51	0°♁		asc. node	1388 Nov 25 j 03:59	13°♁41'21		
	1386 May 24 j 18:43	0°♁		inferior conj	1388 Nov 26 j 07:10	13°♁00'08	0°17'42	
morning set	1386 May 28 j 12:13	4°♁33'58		minimum elong	1388 Nov 26 j 06:29	13°♁01'10	0°17'28	
asc. node	1386 Jun 10 j 09:06	20°♁20'15		min. Earth dist.	1388 Nov 26 j 05:12	13°♁03'08	0.26399 AU	
	1386 Jun 18 j 06:05	0°♁		morning rise	1388 Dec 02 j 10:41	9°♁26'02		
max. Earth dist.	1386 Jul 01 j 11:24	16°♁15'24	1.73450 AU	direct	1388 Dec 16 j 16:17	5°♁23'19		
				greatest brilliancy	1388 Dec 28 j 15:42	8°♁05'10	-4.7m	
superior conj	1386 Jul 03 j 22:17	19°♁16'39	0°52'01		1389 Jan 27 j 14:24	0°♁		
minimum elong	1386 Jul 03 j 13:51	18°♁50'40	0°51'41	morning max el	1389 Feb 05 j 02:33	8°♁16'05	46°47'02	
	1386 Jul 12 j 15:08	0°♁			1389 Feb 25 j 16:49	0°♁		
	1386 Aug 05 j 21:53	0°♁		desc. node	1389 Mar 16 j 17:34	21°♁20'32		
evening rise	1386 Aug 08 j 19:13	3°♁34'30			1389 Mar 24 j 06:31	0°♁		
	1386 Aug 30 j 03:22	0°♁			1389 Apr 18 j 22:49	0°♁		
	1386 Sep 23 j 08:53	0°♁			1389 May 14 j 05:01	0°♁		
desc. node	1386 Sep 29 j 22:33	8°♁07'39			1389 Jun 08 j 04:49	0°♁		
	1386 Oct 17 j 15:29	0°♁			1389 Jul 02 j 22:51	0°♁		
	1386 Nov 11 j 00:20	0°♁		asc. node	1389 Jul 07 j 21:01	6°♁00'13		
	1386 Dec 05 j 14:18	0°♁			1389 Jul 27 j 10:50	0°♁		
	1386 Dec 30 j 16:39	0°♁		morning set	1389 Aug 04 j 05:28	9°♁35'09		
asc. node	1387 Jan 21 j 01:48	24°♁31'41			1389 Aug 20 j 17:10	0°♁		
	1387 Jan 26 j 00:45	0°♁		max. Earth dist.	1389 Sep 06 j 17:36	21°♁10'48	1.72160 AU	
evening max el	1387 Feb 11 j 05:06	17°♁00'10	46°27'12					
	1387 Feb 25 j 00:09	0°♁		superior conj	1389 Sep 10 j 02:21	25°♁22'34	1°22'27	
greatest brilliancy	1387 Mar 18 j 13:12	15°♁12'27	-4.6m	minimum elong	1389 Sep 10 j 06:50	25°♁36'34	1°22'24	
retrograde	1387 Apr 02 j 03:46	19°♁01'59			1389 Sep 13 j 19:15	0°♁		
evening set	1387 Apr 18 j 03:19	14°♁03'22			1389 Oct 07 j 18:59	0°♁		
inferior conj	1387 Apr 23 j 12:35	10°♁45'59	4°19'27	evening rise	1389 Oct 18 j 20:44	13°♁51'52		
minimum elong	1387 Apr 23 j 20:55	10°♁32'52	4°17'19	desc. node	1389 Oct 27 j 10:22	24°♁35'47		
min. Earth dist.	1387 Apr 23 j 14:39	10°♁42'44	0.28754 AU		1389 Oct 31 j 17:56	0°♁		
morning rise	1387 Apr 29 j 14:41	7°♁04'47			1389 Nov 24 j 17:11	0°♁		
desc. node	1387 May 12 j 14:59	2°♁37'30			1389 Dec 18 j 17:56	0°♁		
direct	1387 May 14 j 22:15	2°♁31'14			1390 Jan 11 j 22:31	0°♁		
greatest brilliancy	1387 May 27 j 17:47	5°♁24'24	-4.5m		1390 Feb 05 j 11:21	0°♁		
	1387 Jun 30 j 07:55	0°♁		asc. node	1390 Feb 17 j 13:43	14°♁32'26		
morning max el	1387 Jul 02 j 16:37	2°♁13'46	45°44'06		1390 Mar 02 j 15:40	0°♁		
	1387 Jul 29 j 16:45	0°♁			1390 Mar 29 j 01:13	0°♁		
	1387 Aug 25 j 07:36	0°♁		evening max el	1390 Apr 23 j 02:12	25°♁59'51	45°28'21	
asc. node	1387 Sep 02 j 18:42	9°♁53'33			1390 Apr 27 j 07:32	0°♁		
	1387 Sep 19 j 15:26	0°♁		greatest brilliancy	1390 May 27 j 13:52	22°♁20'28	-4.5m	
	1387 Oct 14 j 05:11	0°♁		desc. node	1390 Jun 09 j 02:59	25°♁44'40		

retrograde	1390 Jun 10 j 16:09	25°♄47'25		superior conj	1392 Nov 22 j 20:57	9°♁33'00	0°02'33
evening set	1390 Jun 26 j 04:35	21°♄11'21		minimum elong	1392 Nov 22 j 21:37	9°♁35'06	0°02'31
inferior conj	1390 Jul 02 j 03:29	17°♄36'34	-5°-3'-59	behind sun begin	1392 Nov 21 j 19:33	8°♁13'06	
minimum elong	1390 Jul 01 j 18:10	17°♄51'07	5°01'46	behind sun end	1392 Nov 23 j 23:40	10°♁57'05	
min. Earth dist.	1390 Jul 02 j 02:46	17°♄37'40	0.28968 AU	max. Earth dist.	1392 Nov 22 j 18:12	9°♁24'21	1.71075 AU
morning rise	1390 Jul 07 j 07:39	14°♄27'56		desc. node	1392 Nov 23 j 22:14	10°♁52'35	
direct	1390 Jul 23 j 19:56	9°♄19'32			1392 Dec 09 j 03:00	0°♁	
greatest brilliancy	1390 Aug 06 j 21:45	12°♄47'33	-4.5m		1393 Jan 01 j 23:53	0°♁	
	1390 Aug 31 j 09:50	0°♁		evening rise	1393 Jan 03 j 10:55	1°♁49'55	
morning max el	1390 Sep 11 j 05:14	10°♁05'39	46°10'24		1393 Jan 25 j 22:51	0°♁	
	1390 Sep 30 j 08:34	0°♁			1393 Feb 19 j 01:57	0°♁	
asc. node	1390 Sep 30 j 06:28	29°♁54'16			1393 Mar 15 j 11:46	0°♁	
	1390 Oct 26 j 16:58	0°♁		asc. node	1393 Mar 17 j 01:39	1°♁55'30	
	1390 Nov 20 j 17:13	0°♁			1393 Apr 09 j 07:22	0°♁	
	1390 Dec 15 j 03:19	0°♁			1393 May 04 j 17:12	0°♁	
	1391 Jan 08 j 07:44	0°♁			1393 May 31 j 02:34	0°♁	
desc. node	1391 Jan 19 j 19:55	14°♁18'43			1393 Jun 28 j 14:10	0°♁	
	1391 Feb 01 j 10:33	0°♁		evening max el	1393 Jul 03 j 01:21	4°♁19'56	45°35'11
	1391 Feb 25 j 13:47	0°♁		desc. node	1393 Jul 06 j 14:57	7°♁41'27	
morning set	1391 Mar 17 j 22:33	25°♁15'25			1393 Aug 05 j 08:09	0°♁	
	1391 Mar 21 j 18:31	0°♁		greatest brilliancy	1393 Aug 09 j 18:20	1°♁56'22	-4.5m
	1391 Apr 15 j 01:21	0°♁		retrograde	1393 Aug 20 j 21:10	4°♁09'23	
					1393 Sep 04 j 14:42	30°♁	
superior conj	1391 Apr 24 j 21:41	12°♁07'53	0°-41'-13	evening set	1393 Sep 07 j 18:55	28°♁12'45	
minimum elong	1391 Apr 25 j 05:39	12°♁32'23	0°40'53	inferior conj	1393 Sep 10 j 23:27	26°♁16'55	-8°-31'-51
max. Earth dist.	1391 Apr 26 j 19:42	14°♁29'31	1.73310 AU	minimum elong	1393 Sep 11 j 04:23	26°♁09'21	8°31'30
	1391 May 09 j 10:14	0°♁		min. Earth dist.	1393 Sep 11 j 19:43	25°♁45'50	0.27940 AU
asc. node	1391 May 12 j 23:21	4°♁21'32		morning rise	1393 Sep 14 j 13:33	24°♁06'12	
evening rise	1391 May 31 j 18:59	27°♁27'47		direct	1393 Oct 02 j 02:41	18°♁13'41	
	1391 Jun 02 j 20:36	0°♁		greatest brilliancy	1393 Oct 16 j 11:27	21°♁56'55	-4.6m
	1391 Jun 27 j 08:03	0°♁		asc. node	1393 Oct 27 j 18:12	28°♁55'19	
	1391 Jul 21 j 21:01	0°♁			1393 Oct 29 j 04:52	0°♁	
	1391 Aug 15 j 12:52	0°♁		morning max el	1393 Nov 21 j 18:23	21°♁22'06	46°51'11
desc. node	1391 Sep 01 j 12:37	20°♁31'53			1393 Nov 30 j 00:36	0°♁	
	1391 Sep 09 j 09:35	0°♁			1393 Dec 26 j 18:13	0°♁	
	1391 Oct 04 j 14:08	0°♁			1394 Jan 21 j 02:50	0°♁	
	1391 Oct 30 j 09:29	0°♁			1394 Feb 14 j 22:58	0°♁	
	1391 Nov 26 j 18:22	0°♁		desc. node	1394 Feb 16 j 07:41	1°♁39'18	
evening max el	1391 Nov 29 j 08:59	2°♁41'04	47°19'58		1394 Mar 11 j 14:10	0°♁	
asc. node	1391 Dec 23 j 16:04	24°♁47'47			1394 Apr 05 j 03:40	0°♁	
	1391 Dec 31 j 04:43	0°♁			1394 Apr 29 j 16:45	0°♁	
greatest brilliancy	1392 Jan 06 j 07:26	3°♁18'09	-4.7m		1394 May 24 j 05:22	0°♁	
retrograde	1392 Jan 19 j 08:13	6°♁28'21		morning set	1394 May 26 j 06:26	2°♁30'13	
evening set	1392 Feb 05 j 20:49	0°♁28'50		asc. node	1394 Jun 09 j 11:16	19°♁54'31	
	1392 Feb 06 j 15:40	30°♁			1394 Jun 17 j 16:37	0°♁	
min. Earth dist.	1392 Feb 08 j 10:39	28°♁52'59	0.27578 AU	max. Earth dist.	1394 Jun 29 j 10:25	14°♁26'04	1.73477 AU
inferior conj	1392 Feb 09 j 05:36	28°♁23'12	8°38'09				
minimum elong	1392 Feb 09 j 01:32	28°♁29'36	8°37'53	superior conj	1394 Jul 01 j 16:55	17°♁13'48	0°49'31
morning rise	1392 Feb 12 j 06:29	26°♁30'07		minimum elong	1394 Jul 01 j 08:40	16°♁48'23	0°49'11
direct	1392 Feb 29 j 22:56	20°♁30'06			1394 Jul 12 j 01:41	0°♁	
greatest brilliancy	1392 Mar 11 j 14:53	22°♁35'48	-4.6m		1394 Aug 05 j 08:34	0°♁	
	1392 Mar 25 j 03:54	0°♁		evening rise	1394 Aug 06 j 13:13	1°♁28'35	
desc. node	1392 Apr 13 j 05:15	15°♁37'40			1394 Aug 29 j 14:16	0°♁	
morning max el	1392 Apr 19 j 05:25	21°♁18'48	46°04'16		1394 Sep 22 j 20:05	0°♁	
	1392 Apr 27 j 23:04	0°♁		desc. node	1394 Sep 29 j 00:31	7°♁38'49	
	1392 May 25 j 23:06	0°♁			1394 Oct 17 j 03:04	0°♁	
	1392 Jun 21 j 08:25	0°♁			1394 Nov 10 j 12:26	0°♁	
	1392 Jul 16 j 21:40	0°♁			1394 Dec 05 j 03:12	0°♁	
asc. node	1392 Aug 04 j 08:52	22°♁08'24			1394 Dec 30 j 06:59	0°♁	
	1392 Aug 10 j 20:36	0°♁		asc. node	1395 Jan 20 j 03:49	23°♁51'03	
	1392 Sep 04 j 08:13	0°♁			1395 Jan 25 j 18:17	0°♁	
	1392 Sep 28 j 11:41	0°♁		evening max el	1395 Feb 08 j 20:51	14°♁45'42	46°29'47
greatest brilliancy	1392 Oct 06 j 11:55	10°♁00'50	-3.9m		1395 Feb 25 j 06:07	0°♁	
morning set	1392 Oct 13 j 18:40	19°♁08'19		greatest brilliancy	1395 Mar 16 j 05:42	13°♁01'36	-4.6m
	1392 Oct 22 j 10:19	0°♁		retrograde	1395 Mar 30 j 20:47	16°♁51'30	
	1392 Nov 15 j 06:51	0°♁		evening set	1395 Apr 15 j 22:00	11°♁49'07	
				inferior conj	1395 Apr 21 j 04:44	8°♁35'17	4°36'49

minimum elong	1395 Apr 21 j 13:26	8°♄21'36	4°34'38			1397 Oct 07 j 05:49	0°♌		
min. Earth dist.	1395 Apr 21 j 06:20	8°♄32'47	0.28733 AU	evening rise		1397 Oct 16 j 09:17	11°♌26'43		
morning rise	1395 Apr 27 j 05:08	4°♄56'50		desc. node		1397 Oct 26 j 12:32	24°♌08'07		
desc. node	1395 May 11 j 17:03	0°♄21'52				1397 Oct 31 j 04:58	0°♄		
direct	1395 May 12 j 14:19	0°♄20'56				1397 Nov 24 j 04:26	0°♄		
greatest brilliancy	1395 May 25 j 07:54	3°♄12'49	-4.5m			1397 Dec 18 j 05:24	0°♄		
	1395 Jun 30 j 06:34	0°♄				1398 Jan 11 j 10:19	0°♄		
morning max el	1395 Jun 30 j 09:33	0°♄07'05	45°43'59			1398 Feb 04 j 23:42	0°♄		
	1395 Jul 29 j 08:16	0°♄		asc. node		1398 Feb 16 j 15:42	14°♄00'11		
	1395 Aug 24 j 20:44	0°♄				1398 Mar 02 j 05:10	0°♄		
asc. node	1395 Sep 01 j 20:42	9°♄22'00				1398 Mar 28 j 17:18	0°♄		
	1395 Sep 19 j 03:30	0°♄		evening max el		1398 Apr 20 j 17:27	23°♄47'39	45°29'24	
	1395 Oct 13 j 16:44	0°♄				1398 Apr 27 j 08:03	0°♄		
	1395 Nov 06 j 19:58	0°♄		greatest brilliancy		1398 May 25 j 05:19	20°♄10'50	-4.5m	
	1395 Nov 30 j 18:26	0°♄		retrograde		1398 Jun 08 j 07:42	23°♄38'45		
desc. node	1395 Dec 22 j 10:07	27°♄12'33		desc. node		1398 Jun 08 j 05:10	23°♄38'44		
	1395 Dec 24 j 15:25	0°♄		evening set		1398 Jun 23 j 18:55	19°♄05'15		
morning set	1395 Dec 29 j 16:06	6°♄19'02		inferior conj		1398 Jun 29 j 19:45	15°♄27'46	-4°-47'-36	
	1396 Jan 17 j 12:47	0°♄		minimum elong		1398 Jun 29 j 10:44	15°♄41'53	4°45'25	
				min. Earth dist.		1398 Jun 29 j 19:13	15°♄28'37	0.28971 AU	
superior conj	1396 Feb 09 j 04:16	28°♄21'39	-1°-23'-57	morning rise		1398 Jul 05 j 02:23	12°♄15'17		
minimum elong	1396 Feb 08 j 23:21	28°♄06'17	1°23'55	direct		1398 Jul 21 j 11:55	7°♄10'39		
	1396 Feb 10 j 11:44	0°♄		greatest brilliancy		1398 Aug 04 j 12:53	10°♄36'52	-4.5m	
max. Earth dist.	1396 Feb 13 j 01:28	3°♄12'53	1.71795 AU			1398 Aug 31 j 12:27	0°♄		
	1396 Mar 05 j 13:24	0°♄		morning max el		1398 Sep 08 j 19:13	7°♄48'55	46°09'02	
evening rise	1396 Mar 19 j 23:56	17°♄54'25		asc. node		1398 Sep 29 j 08:35	29°♄14'15		
	1396 Mar 29 j 18:54	0°♄				1398 Sep 30 j 01:16	0°♄		
asc. node	1396 Apr 13 j 13:35	18°♄11'10				1398 Oct 26 j 06:50	0°♄		
	1396 Apr 23 j 05:00	0°♄				1398 Nov 20 j 05:52	0°♄		
	1396 May 17 j 20:25	0°♄				1398 Dec 14 j 15:20	0°♄		
	1396 Jun 11 j 18:22	0°♄				1399 Jan 07 j 19:22	0°♄		
	1396 Jul 07 j 01:48	0°♄		desc. node		1399 Jan 18 j 21:54	13°♄49'11		
	1396 Aug 02 j 00:55	0°♄				1399 Jan 31 j 21:54	0°♄		
desc. node	1396 Aug 03 j 02:40	1°♄12'59				1399 Feb 25 j 00:52	0°♄		
	1396 Aug 29 j 06:18	0°♄		morning set		1399 Mar 15 j 12:35	22°♄56'25		
evening max el	1396 Sep 14 j 07:14	16°♄25'23	46°41'46			1399 Mar 21 j 05:24	0°♄		
	1396 Sep 29 j 00:53	0°♄				1399 Apr 14 j 12:07	0°♄		
greatest brilliancy	1396 Oct 23 j 03:52	15°♄53'29	-4.6m						
retrograde	1396 Nov 03 j 07:28	18°♄11'05		superior conj		1399 Apr 22 j 14:06	9°♄57'36	0°-44'-6	
evening set	1396 Nov 17 j 15:12	14°♄06'58		minimum elong		1399 Apr 22 j 22:28	10°♄23'22	0°43'46	
inferior conj	1396 Nov 23 j 19:11	10°♄31'24	0°-7'-9	max. Earth dist.		1399 Apr 24 j 14:55	12°♄27'52	1.73273 AU	
minimum elong	1396 Nov 23 j 19:27	10°♄30'59	0°07'04			1399 May 08 j 20:58	0°♄		
transit begin	1396 Nov 23 j 15:45	10°♄36'36		asc. node		1399 May 12 j 01:29	3°♄55'09		
transit end	1396 Nov 23 j 23:09	10°♄25'22		evening rise		1399 May 29 j 13:21	25°♄23'48		
min. Earth dist.	1396 Nov 23 j 18:39	10°♄32'12	0.26405 AU			1399 Jun 02 j 07:24	0°♄		
asc. node	1396 Nov 24 j 06:11	10°♄14'40				1399 Jun 26 j 19:02	0°♄		
morning rise	1396 Nov 29 j 23:43	6°♄55'49				1399 Jul 21 j 08:19	0°♄		
direct	1396 Dec 14 j 05:02	2°♄54'38				1399 Aug 15 j 00:40	0°♄		
greatest brilliancy	1396 Dec 26 j 05:21	5°♄37'30	-4.7m	desc. node		1399 Aug 31 j 14:40	20°♄01'01		
	1397 Jan 27 j 16:55	0°♄				1399 Sep 08 j 22:11	0°♄		
morning max el	1397 Feb 02 j 15:30	5°♄50'32	46°48'03			1399 Oct 04 j 03:59	0°♄		
	1397 Feb 25 j 10:08	0°♄				1399 Oct 30 j 01:39	0°♄		
desc. node	1397 Mar 15 j 19:38	20°♄43'53				1399 Nov 26 j 16:16	0°♄		
	1397 Mar 23 j 20:44	0°♄		evening max el		1399 Nov 26 j 22:12	0°♄15'10	47°20'09	
	1397 Apr 18 j 11:30	0°♄		asc. node		1399 Dec 22 j 18:03	23°♄31'04		
	1397 May 13 j 16:48	0°♄				1400 Jan 02 j 00:38	0°♄		
	1397 Jun 07 j 16:03	0°♄		greatest brilliancy		1400 Jan 03 j 23:28	0°♄56'49	-4.7m	
	1397 Jul 02 j 09:44	0°♄		retrograde		1400 Jan 16 j 22:08	4°♄05'29		
asc. node	1397 Jul 06 j 23:05	5°♄33'28				1400 Jan 31 j 04:04	30°♄		
	1397 Jul 26 j 21:32	0°♄		evening set		1400 Feb 03 j 08:07	28°♄10'42		
morning set	1397 Aug 01 j 22:55	7°♄27'57		min. Earth dist.		1400 Feb 06 j 00:27	26°♄31'23	0.27522 AU	
	1397 Aug 20 j 03:49	0°♄		inferior conj		1400 Feb 06 j 19:40	26°♄01'14	8°33'34	
max. Earth dist.	1397 Sep 04 j 06:36	18°♄48'29	1.72214 AU	minimum elong		1400 Feb 06 j 14:47	26°♄08'54	8°33'13	
				morning rise		1400 Feb 09 j 21:39	24°♄06'36		
superior conj	1397 Sep 07 j 18:30	23°♄09'58	1°23'10	direct		1400 Feb 27 j 11:48	18°♄08'49		
minimum elong	1397 Sep 07 j 22:15	23°♄21'40	1°23'08	greatest brilliancy		1400 Mar 09 j 05:03	20°♄15'35	-4.6m	
	1397 Sep 13 j 05:57	0°♄				1400 Mar 25 j 23:47	0°♄		

desc. node	1400 Apr 12 j 07:24	14° Υ 43'12
morning max el	1400 Apr 16 j 19:01	18° Υ 59'35 46°05'43
	1400 Apr 27 j 18:49	0° Υ
	1400 May 25 j 14:06	0° Υ
	1400 Jun 20 j 21:26	0° Π
	1400 Jul 16 j 09:40	0° Σ
asc. node	1400 Aug 03 j 10:49	21° Σ 39'24
	1400 Aug 10 j 08:02	0° Ω