

































































































































superior conj	6600 May 05 03:40	16°♄46'32	-1°39'36	morning set	6601 Apr 03 04:29	5°♃08'41	
minimum elong	6600 May 05 09:00	17°♄11'08	1°39'01	max. Earth dist.	6601 Apr 09 11:06	15°♃20'25	1.41760 AU
	6600 May 12 03:59	0°♂					
evening rise	6600 May 14 17:53	4°♂57'05		superior conj	6601 Apr 17 01:27	28°♃15'45	-2°01'05
asc. node	6600 May 16 23:08	9°♂11'24		minimum elong	6601 Apr 17 06:02	28°♃35'46	2°00'49
	6600 May 29 23:04	0°♄			6601 Apr 18 01:15	0°♄	
evening max el	6600 May 30 21:21	0°♄57'34	18°34'02	evening rise	6601 Apr 27 23:06	17°♄53'44	
retrograde	6600 Jun 07 16:44	4°♄49'46		asc. node	6601 May 03 20:10	28°♄32'49	
evening set	6600 Jun 09 20:45	4°♄32'51			6601 May 04 16:07	0°♂	
inferior conj	6600 Jun 17 13:32	0°♄05'00	1°08'31	evening max el	6601 May 14 06:33	13°♂45'17	18°10'44
minimum elong	6600 Jun 17 15:54	0°♄00'26	1°07'39	retrograde	6601 May 21 04:11	17°♂14'19	
	6600 Jun 17 16:07	30°♂♂		evening set	6601 May 23 15:24	16°♂48'11	
min. Earth dist.	6600 Jun 20 21:50	27°♂30'46	0.57747 AU	inferior conj	6601 May 30 13:46	12°♂00'01	2°20'24
desc. node	6600 Jun 21 12:35	27°♂04'07		minimum elong	6601 May 30 17:02	11°♂52'37	2°19'29
morning rise	6600 Jun 25 07:41	24°♂46'05		min. Earth dist.	6601 Jun 02 22:18	8°♂59'33	0.59905 AU
direct	6600 Jul 01 03:04	23°♂20'51		morning rise	6601 Jun 06 15:55	6°♂13'13	
	6600 Jul 14 11:54	0°♄		desc. node	6601 Jun 08 09:35	5°♂18'10	
morning max el	6600 Jul 15 12:22	0°♄57'52	26°45'34	direct	6601 Jun 13 03:04	4°♂14'31	
	6600 Aug 05 02:47	0°♂		morning max el	6601 Jun 27 11:42	12°♂08'36	27°38'37
asc. node	6600 Aug 12 22:26	15°♂13'57			6601 Jul 11 13:05	0°♄	
morning set	6600 Aug 14 01:46	17°♂37'16			6601 Jul 28 07:38	0°♂	
	6600 Aug 19 18:29	0°♂		morning set	6601 Jul 29 08:28	2°♂08'27	
				asc. node	6601 Jul 30 19:27	5°♂12'22	
superior conj	6600 Aug 21 01:03	2°♂49'15	1°15'10	max. Earth dist.	6601 Aug 04 16:20	15°♂46'27	1.31829 AU
minimum elong	6600 Aug 20 22:47	2°♂36'41	1°14'48				
max. Earth dist.	6600 Aug 21 05:45	3°♂15'12	1.31876 AU	superior conj	6601 Aug 05 12:33	17°♂38'01	0°56'05
evening rise	6600 Aug 27 21:32	17°♂44'53		minimum elong	6601 Aug 05 10:27	17°♂26'23	0°55'41
	6600 Sep 02 23:23	0°♂			6601 Aug 11 03:38	0°♂	
desc. node	6600 Sep 17 11:47	23°♂53'24		evening rise	6601 Aug 12 07:07	2°♂27'32	
	6600 Sep 22 06:41	0°♂			6601 Aug 27 00:27	0°♂	
evening max el	6600 Sep 27 06:11	5°♂17'55	26°51'47	desc. node	6601 Sep 04 08:48	11°♂33'06	
retrograde	6600 Oct 11 03:40	12°♂27'22		evening max el	6601 Sep 09 02:32	16°♂38'26	25°46'49
evening set	6600 Oct 18 01:57	10°♂23'44		retrograde	6601 Sep 23 01:17	23°♂43'31	
min. Earth dist.	6600 Oct 21 20:17	7°♂46'11	0.60358 AU	evening set	6601 Sep 29 06:00	22°♂12'54	
inferior conj	6600 Oct 25 00:58	5°♂08'41	-4°20'32	min. Earth dist.	6601 Oct 03 14:55	19°♂36'47	0.58287 AU
minimum elong	6600 Oct 25 07:44	4°♂54'43	4°18'48	inferior conj	6601 Oct 06 18:21	17°♂22'02	-5°08'07
morning rise	6600 Nov 01 15:40	0°♂24'03		minimum elong	6601 Oct 06 23:22	17°♂13'02	5°07'26
direct	6600 Nov 03 22:10	0°♂04'20		morning rise	6601 Oct 14 19:04	13°♂00'24	
asc. node	6600 Nov 08 21:44	1°♂44'14		direct	6601 Oct 17 04:19	12°♂42'16	
morning max el	6600 Nov 11 08:09	3°♂44'28	18°05'44	morning max el	6601 Oct 25 14:12	16°♂44'32	18°42'13
morning set	6600 Nov 27 01:27	28°♂38'57		asc. node	6601 Oct 26 18:46	17°♂57'28	
	6600 Nov 27 18:48	0°♂			6601 Nov 04 01:14	0°♂	
				morning set	6601 Nov 10 20:52	12°♂48'10	
superior conj	6600 Dec 06 19:37	16°♂36'03	0°53'42				
minimum elong	6600 Dec 06 23:12	16°♂52'05	0°53'15	superior conj	6601 Nov 19 12:38	29°♂31'30	1°18'45
desc. node	6600 Dec 14 11:00	29°♂49'31		minimum elong	6601 Nov 19 16:00	29°♂47'23	1°18'25
max. Earth dist.	6600 Dec 14 11:23	29°♂51'07	1.41735 AU		6601 Nov 19 18:41	0°♂	
	6600 Dec 14 13:30	0°♂		max. Earth dist.	6601 Nov 26 17:43	12°♂39'39	1.39652 AU
evening rise	6600 Dec 19 18:27	8°♂32'36		evening rise	6601 Nov 30 18:41	19°♂37'12	
	6601 Jan 02 18:57	0°♂		desc. node	6601 Dec 01 08:00	20°♂33'16	
evening max el	6601 Jan 22 05:46	25°♂09'36	22°46'10		6601 Dec 07 02:50	0°♂	
	6601 Jan 28 07:34	0°♂			6601 Dec 28 00:52	0°♂	
retrograde	6601 Feb 01 06:14	1°♂06'33		evening max el	6602 Jan 04 19:39	8°♂51'56	24°06'10
asc. node	6601 Feb 04 20:58	29°♂59'48		retrograde	6602 Jan 15 22:50	15°♂24'34	
	6601 Feb 04 20:50	30°♂		evening set	6602 Jan 21 05:42	13°♂12'30	
evening set	6601 Feb 06 00:37	29°♂09'05		asc. node	6602 Jan 22 17:59	11°♂45'00	
inferior conj	6601 Feb 11 09:27	22°♂45'12	2°01'32	min. Earth dist.	6602 Jan 25 23:16	7°♂45'15	0.68015 AU
minimum elong	6601 Feb 11 07:13	22°♂52'56	2°00'50	inferior conj	6602 Jan 26 17:03	6°♂45'04	1°17'23
min. Earth dist.	6601 Feb 11 02:50	23°♂08'06	0.68255 AU	minimum elong	6602 Jan 26 15:22	6°♂50'46	1°16'47
morning rise	6601 Feb 16 13:43	16°♂36'47		morning rise	6602 Feb 01 01:05	0°♂42'12	
direct	6601 Feb 21 02:01	14°♂45'45			6602 Feb 02 03:02	30°♂♂	
morning max el	6601 Mar 02 00:39	19°♂58'19	21°40'22	direct	6602 Feb 04 23:50	29°♂13'34	
	6601 Mar 10 10:36	0°♂			6602 Feb 08 00:49	0°♂	
desc. node	6601 Mar 12 10:19	2°♂40'42		morning max el	6602 Feb 12 20:48	3°♂42'30	20°23'22
	6601 Mar 30 22:14	0°♂		desc. node	6602 Feb 27 07:19	22°♂30'08	

	6602 Mar 04 08:49	0° H			6603 Feb 05 17:17	0° \approx	
morning set	6602 Mar 13 05:28	13° H 30'30		greatest brilliancy	6603 Feb 09 05:15	5° \approx 09'46	-0.7m
max. Earth dist.	6602 Mar 22 17:52	28° H 30'37	1.43579 AU	desc. node	6603 Feb 14 04:20	12° \approx 41'10	
	6602 Mar 23 16:04	0° Y		morning set	6603 Feb 20 04:26	21° \approx 55'33	
					6603 Feb 25 09:23	0° H	
superior conj	6602 Mar 28 23:14	8° Y 39'52	-2°10'27	max. Earth dist.	6603 Mar 05 07:49	12° H 25'35	1.44841 AU
minimum elong	6602 Mar 28 23:39	8° Y 41'35	2°10'27				
evening rise	6602 Apr 10 11:36	0° B 02'21		superior conj	6603 Mar 08 20:26	18° H 00'57	-2°01'59
	6602 Apr 10 11:04	0° B		minimum elong	6603 Mar 08 14:12	17° H 36'05	2°01'40
asc. node	6602 Apr 20 17:11	17° B 28'55			6603 Mar 16 07:00	0° Y	
evening max el	6602 Apr 27 19:08	26° B 54'59	18°06'51	evening rise	6603 Mar 23 03:05	11° Y 15'37	
	6602 May 02 11:03	0° II			6603 Apr 03 13:44	0° B	
retrograde	6602 May 04 06:06	0° II 16'13		asc. node	6603 Apr 07 14:13	5° B 52'01	
	6602 May 06 01:21	30° R 8		evening max el	6603 Apr 11 08:03	10° B 19'04	18°21'39
evening set	6602 May 07 00:21	29° B 38'32		retrograde	6603 Apr 17 18:17	13° B 46'35	
inferior conj	6602 May 13 08:03	24° B 30'43	3°04'04	evening set	6603 Apr 20 19:17	12° B 56'00	
minimum elong	6602 May 13 10:27	24° B 24'28	3°03'37	inferior conj	6603 Apr 26 16:18	7° B 29'43	3°24'44
min. Earth dist.	6602 May 16 06:55	21° B 28'49	0.62126 AU	minimum elong	6603 Apr 26 17:15	7° B 26'59	3°24'38
morning rise	6602 May 19 18:48	18° B 26'59		min. Earth dist.	6603 Apr 29 00:41	4° B 47'50	0.64146 AU
desc. node	6602 May 26 06:37	16° B 00'06		morning rise	6603 May 02 14:17	1° B 17'23	
direct	6602 May 26 13:43	15° B 59'49			6603 May 04 10:07	30° R Y	
morning max el	6602 Jun 09 16:53	24° B 01'18	27°54'07	direct	6603 May 09 08:47	28° Y 33'10	
	6602 Jun 15 01:57	0° II		desc. node	6603 May 13 03:39	29° Y 17'45	
	6602 Jul 04 21:09	0° B			6603 May 14 17:37	0° B	
morning set	6602 Jul 13 09:52	16° B 21'08		morning max el	6603 May 23 01:51	6° B 31'49	27°32'47
asc. node	6602 Jul 17 16:28	25° B 17'06			6603 Jun 10 00:27	0° II	
max. Earth dist.	6602 Jul 18 23:46	28° B 05'13	1.32225 AU	morning set	6603 Jun 27 03:29	0° B 07'54	
	6602 Jul 19 20:57	0° B			6603 Jun 27 01:53	0° B	
				max. Earth dist.	6603 Jul 02 00:14	10° B 00'50	1.33091 AU
superior conj	6602 Jul 20 22:07	2° B 17'02	0°32'53	asc. node	6603 Jul 04 13:29	15° B 23'43	
minimum elong	6602 Jul 20 20:40	2° B 09'06	0°32'33				
evening rise	6602 Jul 27 18:36	17° B 12'43		superior conj	6603 Jul 05 03:49	16° B 40'12	0°06'09
	6602 Aug 03 01:06	0° B		minimum elong	6603 Jul 05 03:31	16° B 38'33	0°06'03
evening max el	6602 Aug 21 16:14	27° B 15'48	24°17'48	behind sun begin	6603 Jul 04 22:28	16° B 11'37	
desc. node	6602 Aug 22 05:48	27° B 47'51		behind sun end	6603 Jul 05 08:34	17° B 05'32	
	6602 Aug 24 20:09	0° B			6603 Jul 11 08:38	0° B	
retrograde	6602 Sep 04 11:21	4° B 11'48		evening rise	6603 Jul 12 06:08	1° B 54'16	
evening set	6602 Sep 09 09:26	3° B 18'10			6603 Jul 27 19:46	0° B	
min. Earth dist.	6602 Sep 15 03:10	0° B 24'54	0.56448 AU	evening max el	6603 Aug 03 04:49	7° B 32'59	22°39'20
	6602 Sep 15 19:19	30° R B		desc. node	6603 Aug 09 02:51	12° B 05'44	
inferior conj	6602 Sep 17 15:39	28° B 50'20	-5°26'00	retrograde	6603 Aug 16 08:28	14° B 06'18	
minimum elong	6602 Sep 17 15:10	28° B 51'05	5°25'59	evening set	6603 Aug 19 18:08	13° B 40'55	
morning rise	6602 Sep 25 23:12	24° B 49'25		min. Earth dist.	6603 Aug 27 12:26	10° B 15'21	0.55172 AU
direct	6602 Sep 28 15:34	24° B 30'18		inferior conj	6603 Aug 28 18:22	9° B 32'45	-4°56'38
morning max el	6602 Oct 08 09:51	29° B 05'18	19°40'38	minimum elong	6603 Aug 28 11:09	9° B 43'02	4°55'25
	6602 Oct 09 08:04	0° B		morning rise	6603 Sep 06 06:08	5° B 43'36	
asc. node	6602 Oct 13 15:48	5° B 16'43		direct	6603 Sep 09 09:09	5° B 21'09	
morning set	6602 Oct 25 23:57	27° B 18'47		morning max el	6603 Sep 20 16:55	10° B 38'26	21°00'55
	6602 Oct 27 07:51	0° B		asc. node	6603 Sep 30 12:50	23° B 26'31	
					6603 Oct 04 06:15	0° B	
superior conj	6602 Nov 02 21:13	13° B 12'09	1°34'21	morning set	6603 Oct 10 07:55	12° B 02'08	
minimum elong	6602 Nov 02 23:23	13° B 22'52	1°34'14				
max. Earth dist.	6602 Nov 08 23:02	24° B 52'15	1.37531 AU	superior conj	6603 Oct 17 16:54	27° B 24'18	1°41'38
	6602 Nov 11 18:18	0° B		minimum elong	6603 Oct 17 17:37	27° B 27'59	1°41'38
evening rise	6602 Nov 12 17:02	1° B 41'44			6603 Oct 18 23:17	0° B	
desc. node	6602 Nov 18 05:01	11° B 10'41		max. Earth dist.	6603 Oct 22 08:26	6° B 47'03	1.35592 AU
	6602 Nov 30 06:50	0° B		evening rise	6603 Oct 26 10:06	14° B 36'29	
evening max el	6602 Dec 18 08:39	22° B 38'02	25°21'35		6603 Nov 04 02:46	0° B	
retrograde	6602 Dec 30 11:03	29° B 36'23		desc. node	6603 Nov 05 02:02	1° B 36'27	
evening set	6603 Jan 05 07:04	27° B 11'25			6603 Nov 25 00:04	0° B	
min. Earth dist.	6603 Jan 09 17:16	22° B 18'33	0.67409 AU	evening max el	6603 Nov 30 21:42	6° B 22'21	26°25'09
asc. node	6603 Jan 09 15:01	22° B 25'44		retrograde	6603 Dec 13 17:58	13° B 35'30	
inferior conj	6603 Jan 10 22:08	20° B 45'13	0°26'05	evening set	6603 Dec 20 02:51	11° B 00'56	
minimum elong	6603 Jan 10 21:30	20° B 47'20	0°25'51	min. Earth dist.	6603 Dec 24 06:26	6° B 43'11	0.66442 AU
morning rise	6603 Jan 16 12:14	14° B 49'56		inferior conj	6603 Dec 25 22:44	4° B 41'12	-0°31'39
direct	6603 Jan 19 22:51	13° B 41'41		minimum elong	6603 Dec 25 23:36	4° B 38'34	0°31'14
morning max el	6603 Jan 27 00:57	17° B 37'58	19°20'16	asc. node	6603 Dec 27 12:05	2° B 50'23	

	6603 Dec 30 08:07	30° 	morning rise	6604 Dec 15 01:02	12° 	56°03
morning rise	6603 Dec 31 21:03	28° 	direct	6604 Dec 17 16:46	12° 	18°33
direct	6604 Jan 03 21:13	28° 	morning max el	6604 Dec 24 03:36	15° 	43°59 18°02'28
	6604 Jan 08 14:33	0° 		6605 Jan 03 11:11	0° 	
morning max el	6604 Jan 10 12:00	1° 	morning set	6605 Jan 11 02:23	12° 	31°40
	6604 Jan 30 02:04	0° 	desc. node	6605 Jan 17 22:21	23° 	43°56
morning set	6604 Jan 31 00:36	1° 		6605 Jan 21 19:33	0° 	
desc. node	6604 Feb 01 01:21	3° 				
			superior conj	6605 Jan 25 09:33	5° 	42°52 -0°51'08
superior conj	6604 Feb 16 01:37	26° 	minimum elong	6605 Jan 25 03:25	5° 	18°31 0°50'16
minimum elong	6604 Feb 15 16:03	26° 	max. Earth dist.	6605 Jan 28 22:09	11° 	16°52 1.45214 AU
max. Earth dist.	6604 Feb 16 02:23	26° 		6605 Feb 09 22:42	0° 	
	6604 Feb 18 03:31	0° 	evening rise	6605 Feb 10 15:07	1° 	43°22
evening rise	6604 Mar 02 19:14	21° 	greatest brilliancy	6605 Feb 24 05:30	21° 	48°13 -0.7m
	6604 Mar 08 03:00	0° 		6605 Mar 01 22:41	0° 	
greatest brilliancy	6604 Mar 11 15:53	5° 	evening max el	6605 Mar 08 00:50	7° 	25°27 19°43'35
asc. node	6604 Mar 24 11:16	23° 	asc. node	6605 Mar 11 08:20	10° 	15°22
evening max el	6604 Mar 24 18:37	23° 	retrograde	6605 Mar 15 10:33	11° 	14°38
retrograde	6604 Mar 31 12:49	27° 	evening set	6605 Mar 19 02:26	10° 	14°23'11
evening set	6604 Apr 03 20:52	26° 	inferior conj	6605 Mar 24 12:08	4° 	25°12 3°16'50
inferior conj	6604 Apr 09 10:44	20° 	minimum elong	6605 Mar 24 10:37	4° 	30°14 3°16'38
minimum elong	6604 Apr 09 10:17	20° 	min. Earth dist.	6605 Mar 25 14:05	2° 	58°50 0.67036 AU
min. Earth dist.	6604 Apr 11 03:31	18° 		6605 Mar 27 23:26	30° 	
morning rise	6604 Apr 14 23:16	14° 	morning rise	6605 Mar 29 18:32	28° 	4°09'06
direct	6604 Apr 21 10:47	11° 	direct	6605 Apr 04 18:52	25° 	4°28'06
desc. node	6604 Apr 29 00:41	14° 		6605 Apr 14 00:24	0° 	
morning max el	6604 May 04 12:09	19° 	desc. node	6605 Apr 15 21:43	1° 	43°45
	6604 May 13 10:42	0° 	morning max el	6605 Apr 16 21:49	2° 	43°21 25°25'39
	6604 Jun 02 01:43	0° 		6605 May 07 14:51	0° 	
morning set	6604 Jun 09 10:09	13° 	morning set	6605 May 23 01:30	25° 	4°52'20
max. Earth dist.	6604 Jun 13 14:46	21° 		6605 May 25 09:06	0° 	
	6604 Jun 17 19:27	0° 	max. Earth dist.	6605 May 26 18:14	2° 	34°50 1.36216 AU
superior conj	6604 Jun 18 03:27	0° 	superior conj	6605 Jun 01 18:10	14° 	12°25 -0°54'01
minimum elong	6604 Jun 18 04:44	0° 	minimum elong	6605 Jun 01 21:18	14° 	12°01 0°53'31
asc. node	6604 Jun 20 10:31	5° 	asc. node	6605 Jun 07 07:32	25° 	12°27'12
evening rise	6604 Jun 25 15:48	16° 	evening rise	6605 Jun 09 21:19	0° 	42°03
	6604 Jul 02 11:43	0° 		6605 Jun 09 13:02	0° 	
evening max el	6604 Jul 15 00:44	18° 	evening max el	6605 Jun 27 09:10	29° 	15°43 19°51'48
desc. node	6604 Jul 25 23:53	23° 		6605 Jun 28 03:52	0° 	
retrograde	6604 Jul 26 21:28	23° 	retrograde	6605 Jul 07 13:16	4° 	15°27
evening set	6604 Jul 29 04:00	23° 	evening set	6605 Jul 09 10:22	4° 	10°57'57
inferior conj	6604 Aug 07 11:22	19° 	desc. node	6605 Jul 12 20:57	3° 	10°04'04
minimum elong	6604 Aug 07 02:25	19° 	inferior conj	6605 Jul 18 09:05	0° 	10°44'49 -1°39'46
min. Earth dist.	6604 Aug 07 22:00	19° 	minimum elong	6605 Jul 18 04:28	0° 	11°52 1°38'04
morning rise	6604 Aug 16 01:21	15° 		6605 Jul 18 12:13	30° 	
direct	6604 Aug 19 17:39	15° 	min. Earth dist.	6605 Jul 20 10:04	28° 	49°59 0.55268 AU
morning max el	6604 Sep 01 12:45	21° 	morning rise	6605 Jul 26 20:37	25° 	42°14
	6604 Sep 08 20:16	0° 	direct	6605 Jul 31 06:53	24° 	45°08
asc. node	6604 Sep 16 09:53	12° 		6605 Aug 12 01:05	0° 	
morning set	6604 Sep 23 18:40	26° 	morning max el	6605 Aug 14 02:31	1° 	49°09 24°23'44
	6604 Sep 25 06:08	0° 		6605 Sep 02 11:56	0° 	
			asc. node	6605 Sep 03 06:54	1° 	31°58
superior conj	6604 Sep 30 20:14	11° 	morning set	6605 Sep 08 06:24	11° 	43°26
minimum elong	6604 Sep 30 19:38	11° 				
max. Earth dist.	6604 Oct 04 01:31	18° 	superior conj	6605 Sep 15 04:29	26° 	44°24 1°35'38
evening rise	6604 Oct 08 17:48	28° 	minimum elong	6605 Sep 15 02:54	26° 	43°54 1°35'31
	6604 Oct 09 16:11	0° 		6605 Sep 16 16:32	0° 	
desc. node	6604 Oct 21 23:04	21° 	max. Earth dist.	6605 Sep 17 02:50	0° 	55°36 1.32822 AU
	6604 Oct 27 07:48	0° 	evening rise	6605 Sep 22 12:25	12° 	15°35
evening max el	6604 Nov 12 10:31	19° 		6605 Oct 01 21:11	0° 	
retrograde	6604 Nov 25 19:11	27° 	desc. node	6605 Oct 08 20:06	11° 	43°27'57
evening set	6604 Dec 02 14:57	24° 		6605 Oct 22 19:59	0° 	
min. Earth dist.	6604 Dec 06 12:27	20° 	evening max el	6605 Oct 25 21:47	3° 	47°23 27°27'59
inferior conj	6604 Dec 08 16:36	18° 	retrograde	6605 Nov 08 14:10	10° 	47°25'12
minimum elong	6604 Dec 08 19:23	18° 	evening set	6605 Nov 15 16:38	7° 	47°51'35
asc. node	6604 Dec 13 09:10	13° 	min. Earth dist.	6605 Nov 19 09:28	4° 	40°25 0.63455 AU

inferior conj	6605 Nov 22 01:08	2°♊00'39	-2°40'41	evening max el	6606 Oct 08 05:20	15°♍43'58	27°14'51
minimum elong	6605 Nov 22 06:00	1°♊48'25	2°38'49	retrograde	6606 Oct 22 01:54	22°♍56'38	
	6605 Nov 24 02:44	30°♍		evening set	6606 Oct 29 04:13	20°♍39'00	
morning rise	6605 Nov 28 21:06	26°♍44'19		min. Earth dist.	6606 Nov 01 20:03	17°♍52'23	0.61530 AU
asc. node	6605 Nov 30 06:13	26°♍21'37		inferior conj	6606 Nov 04 21:12	15°♍09'49	-3°46'00
direct	6605 Dec 01 06:44	26°♍16'31		minimum elong	6606 Nov 05 03:41	14°♍55'21	3°43'59
morning max el	6605 Dec 07 20:48	29°♍41'15	17°49'13	morning rise	6606 Nov 12 05:13	10°♍12'31	
	6605 Dec 08 04:15	0°♊		direct	6606 Nov 14 11:46	9°♍50'47	
morning set	6605 Dec 24 06:26	24°♊50'29		asc. node	6606 Nov 17 03:14	10°♍21'20	
	6605 Dec 27 06:01	0°♊		morning max el	6606 Nov 21 12:18	13°♍23'12	17°54'08
desc. node	6606 Jan 04 19:21	14°♊27'25			6606 Dec 02 18:36	0°♊	
				morning set	6606 Dec 07 06:05	8°♊04'49	
superior conj	6606 Jan 05 13:37	15°♊42'44	-0°05'27				
minimum elong	6606 Jan 05 13:02	15°♊40'19	0°05'19	superior conj	6606 Dec 17 19:40	26°♊57'21	0°34'44
behind sun begin	6606 Jan 05 03:56	15°♊02'50		minimum elong	6606 Dec 17 22:32	27°♊09'44	0°34'22
behind sun end	6606 Jan 05 22:08	16°♊17'44			6606 Dec 19 14:08	0°♊	
max. Earth dist.	6606 Jan 11 15:59	25°♊35'45	1.44312 AU	desc. node	6606 Dec 22 16:22	5°♊13'38	
	6606 Jan 14 10:37	0°♋		max. Earth dist.	6606 Dec 25 05:55	9°♊28'29	1.42807 AU
evening rise	6606 Jan 21 01:51	10°♋19'44		evening rise	6606 Dec 31 18:56	19°♊58'52	
	6606 Feb 03 03:30	0°♋			6607 Jan 07 06:44	0°♋	
evening max el	6606 Feb 19 01:42	21°♋01'49	20°46'56		6607 Jan 28 17:06	0°♋	
asc. node	6606 Feb 26 05:23	25°♋48'11		evening max el	6607 Feb 01 21:19	4°♋39'45	22°00'52
retrograde	6606 Feb 27 09:00	25°♋55'09		retrograde	6607 Feb 11 06:11	10°♋13'23	
evening set	6606 Mar 03 10:00	24°♋21'56		asc. node	6607 Feb 13 02:26	9°♋55'39	
inferior conj	6606 Mar 08 17:54	18°♋11'35	2°54'52	evening set	6607 Feb 15 17:48	8°♋24'55	
minimum elong	6606 Mar 08 15:45	18°♋19'00	2°54'24	inferior conj	6607 Feb 21 01:51	2°♋05'11	2°23'28
min. Earth dist.	6606 Mar 09 06:22	17°♋28'39	0.67840 AU	minimum elong	6607 Feb 20 23:31	2°♋13'18	2°22'48
morning rise	6606 Mar 13 21:18	11°♋57'13		min. Earth dist.	6607 Feb 21 02:00	2°♋04'38	0.68223 AU
direct	6606 Mar 19 08:11	9°♋31'57			6607 Feb 22 14:18	30°♋	
morning max el	6606 Mar 30 06:38	16°♋04'00	23°58'32	morning rise	6607 Feb 26 05:03	25°♋54'09	
desc. node	6606 Apr 02 18:43	19°♋52'42		direct	6607 Mar 03 01:40	23°♋49'48	
	6606 Apr 10 18:16	0°♌		morning max el	6607 Mar 12 17:04	29°♋30'45	22°29'14
	6606 Apr 30 14:24	0°♌			6607 Mar 13 04:33	0°♌	
morning set	6606 May 04 20:06	7°♌08'46		desc. node	6607 Mar 20 15:43	8°♌50'39	
max. Earth dist.	6606 May 08 14:15	13°♌43'03	1.38332 AU		6607 Apr 04 12:53	0°♌	
				morning set	6607 Apr 15 12:18	17°♌15'57	
superior conj	6606 May 15 20:31	27°♌04'42	-1°23'58	max. Earth dist.	6607 Apr 20 10:47	25°♌29'02	1.40554 AU
minimum elong	6606 May 16 01:18	27°♌27'29	1°23'19		6607 Apr 23 02:03	0°♌	
	6606 May 17 09:13	0°♍					
evening rise	6606 May 24 20:04	14°♍33'41		superior conj	6607 Apr 28 06:09	9°♌07'53	-1°49'50
asc. node	6606 May 25 04:34	15°♍15'19		minimum elong	6607 Apr 28 11:30	9°♌31'59	1°49'21
	6606 Jun 02 02:23	0°♎		evening rise	6607 May 08 08:48	27°♌53'05	
evening max el	6606 Jun 10 05:52	11°♎10'11	18°56'31		6607 May 09 11:47	0°♍	
retrograde	6606 Jun 18 19:07	15°♎22'37		asc. node	6607 May 12 01:36	4°♍48'12	
evening set	6606 Jun 20 19:16	15°♎09'39		evening max el	6607 May 24 11:38	23°♍41'42	18°21'43
inferior conj	6606 Jun 28 23:42	10°♎53'32	0°13'36	retrograde	6607 May 31 20:06	27°♍21'38	
minimum elong	6606 Jun 29 00:15	10°♎52'34	0°13'21	evening set	6607 Jun 03 03:19	27°♍01'01	
transit middle	6606 Jun 29 00:15	10°♎52'34	0°13'21	inferior conj	6607 Jun 10 11:54	22°♍24'39	1°42'43
transit begin	6606 Jun 28 22:09	10°♎56'15		minimum elong	6607 Jun 10 14:57	22°♍18'19	1°41'43
transit end	6606 Jun 29 02:20	10°♎48'53		min. Earth dist.	6607 Jun 13 21:59	19°♍36'20	0.58645 AU
desc. node	6606 Jun 29 17:58	10°♎21'08		desc. node	6607 Jun 16 14:59	17°♍40'16	
min. Earth dist.	6606 Jul 02 01:37	8°♎43'54	0.56665 AU	morning rise	6607 Jun 17 23:25	16°♍52'54	
morning rise	6606 Jul 07 01:51	5°♎54'38		direct	6607 Jun 24 02:38	15°♍13'12	
direct	6606 Jul 12 09:47	4°♎46'52		morning max el	6607 Jul 08 11:52	22°♍58'09	27°12'26
morning max el	6606 Jul 26 16:36	12°♎10'31	26°00'08		6607 Jul 14 18:18	0°♎	
	6606 Aug 09 13:07	0°♏			6607 Aug 02 13:29	0°♏	
asc. node	6606 Aug 21 03:54	21°♏09'57		morning set	6607 Aug 08 02:18	11°♏10'09	
morning set	6606 Aug 23 17:28	26°♏30'58		asc. node	6607 Aug 08 00:53	11°♏02'46	
	6606 Aug 25 08:29	0°♐					
				superior conj	6607 Aug 15 03:16	26°♏28'58	1°07'36
superior conj	6606 Aug 30 15:26	11°♐36'44	1°24'04	minimum elong	6607 Aug 15 01:01	26°♏16'27	1°07'13
minimum elong	6606 Aug 30 13:18	11°♐24'53	1°23'48	max. Earth dist.	6607 Aug 14 21:13	25°♏55'22	1.31805 AU
max. Earth dist.	6606 Aug 31 10:27	13°♐21'33	1.32094 AU		6607 Aug 16 17:23	0°♐	
evening rise	6606 Sep 06 14:49	26°♐41'12		evening rise	6607 Aug 21 22:27	11°♐20'24	
	6606 Sep 08 05:20	0°♑			6607 Aug 31 10:10	0°♑	
	6606 Sep 25 07:24	0°♑		desc. node	6607 Sep 12 14:10	18°♑53'06	
desc. node	6606 Sep 25 17:08	0°♑35'27		evening max el	6607 Sep 20 06:31	27°♑34'49	26°27'55

	6607 Sep 23 01:12	0°♌		desc. node	6608 Aug 29 11:12	6°♌00'01	
retrograde	6607 Oct 04 04:48	4°♌41'43		evening max el	6608 Aug 31 23:40	8°♌34'56	25°11'02
evening set	6607 Oct 10 21:09	2°♌51'24		retrograde	6608 Sep 14 21:16	15°♌36'35	
min. Earth dist.	6607 Oct 14 20:02	0°♌16'34	0.59468 AU	evening set	6608 Sep 20 14:43	14°♌21'43	
	6607 Oct 15 04:51	30°♌♌		min. Earth dist.	6608 Sep 25 11:10	11°♌40'44	0.57465 AU
inferior conj	6607 Oct 18 01:19	27°♌46'51	-4°43'18	inferior conj	6608 Sep 28 10:15	9°♌41'17	-5°20'25
minimum elong	6607 Oct 18 07:46	27°♌34'19	4°41'56	minimum elong	6608 Sep 28 13:22	9°♌36'01	5°20'09
morning rise	6607 Oct 25 20:33	23°♌11'31		morning rise	6608 Oct 06 14:17	5°♌29'10	
direct	6607 Oct 28 03:45	22°♌52'44		direct	6608 Oct 09 02:19	5°♌10'46	
asc. node	6607 Nov 04 00:15	25°♌49'48		morning max el	6608 Oct 18 00:42	9°♌25'08	19°04'23
morning max el	6607 Nov 04 22:46	26°♌41'14	18°18'37	asc. node	6608 Oct 20 21:16	12°♌32'36	
	6607 Nov 07 21:10	0°♌			6608 Oct 31 13:25	0°♌	
morning set	6607 Nov 20 19:36	21°♌58'01		morning set	6608 Nov 03 18:39	6°♌17'15	
	6607 Nov 25 01:01	0°♌♌					
				superior conj	6608 Nov 12 01:39	22°♌36'19	1°26'28
superior conj	6607 Nov 30 01:24	9°♌20'09	1°05'32	minimum elong	6608 Nov 12 04:34	22°♌50'24	1°26'14
minimum elong	6607 Nov 30 05:05	9°♌36'58	1°05'07		6608 Nov 15 23:33	0°♌♌	
max. Earth dist.	6607 Dec 07 15:16	22°♌43'59	1.40874 AU	max. Earth dist.	6608 Nov 18 20:56	5°♌16'45	1.38740 AU
desc. node	6607 Dec 09 13:22	25°♌59'15		evening rise	6608 Nov 22 16:12	11°♌58'58	
	6607 Dec 11 23:19	0°♌♌		desc. node	6608 Nov 25 10:23	16°♌40'32	
evening rise	6607 Dec 12 06:22	0°♌♌28'56			6608 Dec 03 17:24	0°♌♌	
	6607 Dec 31 17:49	0°♌♌			6608 Dec 26 01:56	0°♌♌	
evening max el	6608 Jan 15 12:51	18°♌20'23	23°20'20	evening max el	6608 Dec 28 02:06	2°♌04'08	24°39'15
retrograde	6608 Jan 26 00:41	24°♌32'42		retrograde	6609 Jan 08 15:29	8°♌48'51	
asc. node	6608 Jan 30 23:28	22°♌30'43		evening set	6609 Jan 14 04:04	6°♌30'43	
evening set	6608 Jan 31 00:20	22°♌28'54		asc. node	6609 Jan 16 20:31	3°♌43'47	
inferior conj	6608 Feb 05 10:06	16°♌03'16	1°43'44	min. Earth dist.	6609 Jan 18 18:17	1°♌18'19	0.67800 AU
minimum elong	6608 Feb 05 08:02	16°♌10'21	1°43'02	inferior conj	6609 Jan 19 16:51	0°♌03'18	0°56'27
min. Earth dist.	6608 Feb 04 22:43	16°♌42'23	0.68204 AU	minimum elong	6609 Jan 19 15:33	0°♌07'38	0°55'58
morning rise	6608 Feb 10 15:41	9°♌57'08			6609 Jan 19 17:51	30°♌♌♌	
direct	6608 Feb 14 22:11	8°♌15'36		morning rise	6609 Jan 25 03:12	24°♌03'41	
morning max el	6608 Feb 23 08:57	13°♌07'51	21°06'08	direct	6609 Jan 28 20:36	22°♌44'09	
desc. node	6608 Mar 06 12:43	28°♌24'05		morning max el	6609 Feb 05 08:38	26°♌57'29	19°54'48
	6608 Mar 07 15:48	0°♌♌			6609 Feb 08 03:22	0°♌♌	
morning set	6608 Mar 25 00:57	26°♌07'19		desc. node	6609 Feb 21 09:44	18°♌23'24	
	6608 Mar 27 11:53	0°♌♌			6609 Mar 01 01:49	0°♌♌	
max. Earth dist.	6608 Apr 01 13:55	8°♌07'11'29	1.42595 AU	morning set	6609 Mar 03 22:01	4°♌21'56	
				max. Earth dist.	6609 Mar 15 00:23	21°♌44'19	1.44189 AU
superior conj	6608 Apr 08 18:14	20°♌07'10'36	-2°06'53	superior conj	6609 Mar 20 05:16	0°♌06'38	-2°09'18
minimum elong	6608 Apr 08 21:31	20°♌07'24'37	2°06'47	minimum elong	6609 Mar 20 02:55	29°♌57'06	2°09'16
	6608 Apr 14 10:06	0°♌♌			6609 Mar 20 03:38	0°♌♌	
evening rise	6608 Apr 20 07:30	10°♌30'42		evening rise	6609 Apr 02 11:38	22°♌17'22	
asc. node	6608 Apr 27 22:38	23°♌59'49			6609 Apr 06 23:55	0°♌♌	
	6608 May 01 16:22	0°♌♌		asc. node	6609 Apr 14 19:41	12°♌43'27	
evening max el	6608 May 06 22:43	6°♌40'03	18°06'42	evening max el	6609 Apr 20 11:47	19°♌56'54	18°10'50
retrograde	6608 May 13 14:22	10°♌03'53		retrograde	6609 Apr 26 21:26	23°♌19'33	
evening set	6608 May 16 04:44	9°♌32'54		evening set	6609 Apr 29 18:28	22°♌36'33	
inferior conj	6608 May 22 20:19	4°♌35'56	2°42'06	inferior conj	6609 May 05 21:08	17°♌20'28	3°15'16
minimum elong	6608 May 22 23:22	4°♌28'36	2°41'22	minimum elong	6609 May 05 22:57	17°♌15'31	3°15'01
min. Earth dist.	6608 May 26 01:29	1°♌32'15	0.60863 AU	min. Earth dist.	6609 May 08 14:04	14°♌24'55	0.63016 AU
	6608 May 27 20:24	30°♌♌♌		morning rise	6609 May 12 02:03	11°♌11'59	
morning rise	6608 May 29 15:43	28°♌40'51		direct	6609 May 18 21:29	8°♌36'13	
desc. node	6608 Jun 02 12:01	26°♌52'27		desc. node	6609 May 20 09:04	8°♌43'01	
direct	6608 Jun 05 07:10	26°♌29'21		morning max el	6609 Jun 01 21:18	16°♌38'03	27°49'21
	6608 Jun 14 09:54	0°♌♌			6609 Jun 12 22:13	0°♌♌	
morning max el	6608 Jun 19 13:53	4°♌26'48	27°49'58		6609 Jun 01 06:45	0°♌♌	
	6608 Jul 08 13:05	0°♌♌		morning set	6609 Jul 06 05:30	9°♌37'23	
morning set	6608 Jul 22 07:01	25°♌34'19		max. Earth dist.	6609 Jul 11 12:17	20°♌35'00	1.32541 AU
	6608 Jul 24 09:47	0°♌♌		asc. node	6609 Jul 11 18:55	21°♌10'27	
asc. node	6608 Jul 24 21:53	1°♌04'20					
max. Earth dist.	6608 Jul 28 07:09	8°♌23'54	1.31949 AU				
				superior conj	6609 Jul 13 22:21	25°♌47'12	0°21'57
superior conj	6608 Jul 29 14:10	11°♌14'13	0°46'44	minimum elong	6609 Jul 13 21:20	25°♌41'39	0°21'41
minimum elong	6608 Jul 29 12:16	11°♌03'49	0°46'19		6609 Jul 15 20:52	0°♌♌	
evening rise	6608 Aug 05 09:05	26°♌05'07		evening rise	6609 Jul 20 20:51	10°♌49'31	
	6608 Aug 07 05:33	0°♌♌			6609 Jul 30 15:17	0°♌♌	
	6608 Aug 24 13:01	0°♌♌		evening max el	6609 Aug 13 11:40	18°♌58'39	23°35'51

desc. node	6609 Aug 16 08:14	21° \mathbb{M} 29'02		asc. node	6610 Jun 28 15:58	11° \mathbb{G} 16'54	
retrograde	6609 Aug 27 02:05	25° \mathbb{M} 47'55		evening rise	6610 Jul 05 07:50	25° \mathbb{G} 27'38	
evening set	6609 Aug 31 08:38	25° \mathbb{M} 07'51			6610 Jul 07 12:10	0° \mathcal{O}	
min. Earth dist.	6609 Sep 06 21:32	22° \mathbb{M} 02'22	0.55821 AU	evening max el	6610 Jul 26 02:28	29° \mathcal{O} 18'39	21°58'38
inferior conj	6609 Sep 08 23:01	20° \mathbb{M} 48'35	-5°20'04		6610 Jul 26 19:49	0° \mathbb{M}	
minimum elong	6609 Sep 08 19:29	20° \mathbb{M} 53'52	5°19'48	desc. node	6610 Aug 03 05:17	4° \mathbb{M} 47'25	
morning rise	6609 Sep 17 08:41	16° \mathbb{M} 54'43		retrograde	6610 Aug 07 19:14	5° \mathbb{M} 36'44	
direct	6609 Sep 20 05:08	16° \mathbb{M} 34'36		evening set	6610 Aug 10 15:01	5° \mathbb{M} 18'56	
morning max el	6609 Sep 30 15:11	21° \mathbb{M} 26'13	20°12'18	inferior conj	6610 Aug 19 20:12	1° \mathbb{M} 16'38	-4°27'42
asc. node	6609 Oct 07 18:17	0° \mathcal{O} 14'36		minimum elong	6610 Aug 19 11:21	1° \mathbb{M} 29'02	4°25'40
	6609 Oct 07 14:26	0° \mathcal{O}		min. Earth dist.	6610 Aug 19 07:03	1° \mathbb{M} 35'05	0.54871 AU
morning set	6609 Oct 19 00:03	20° \mathcal{O} 53'36			6610 Aug 22 03:45	30° \mathbb{R} \mathcal{O}	
	6609 Oct 23 10:28	0° \mathbb{M}		morning rise	6610 Aug 28 09:10	27° \mathcal{O} 26'58	
				direct	6610 Aug 31 17:10	27° \mathcal{O} 02'23	
superior conj	6609 Oct 26 15:26	6° \mathbb{M} 31'39	1°38'23		6610 Sep 09 09:37	0° \mathbb{M}	
minimum elong	6609 Oct 26 16:59	6° \mathbb{M} 39'28	1°38'20	morning max el	6610 Sep 12 17:14	2° \mathbb{M} 40'26	21°40'49
max. Earth dist.	6609 Nov 01 03:03	17° \mathbb{M} 17'22	1.36667 AU	asc. node	6610 Sep 24 15:19	18° \mathbb{M} 42'24	
evening rise	6609 Nov 04 22:57	24° \mathbb{M} 25'28			6610 Sep 30 15:07	0° \mathcal{O}	
	6609 Nov 08 01:52	0° \mathcal{X}		morning set	6610 Oct 03 09:28	5° \mathcal{O} 40'45	
desc. node	6609 Nov 12 07:24	7° \mathcal{X} 13'15					
	6609 Nov 27 08:34	0° \mathcal{Z}		superior conj	6610 Oct 10 14:48	20° \mathcal{O} 54'38	1°42'29
evening max el	6609 Dec 10 14:49	15° \mathcal{Z} 49'03	25°50'34	minimum elong	6610 Oct 10 14:55	20° \mathcal{O} 55'18	1°42'30
retrograde	6609 Dec 23 01:40	22° \mathcal{Z} 55'50		max. Earth dist.	6610 Oct 14 15:13	29° \mathcal{O} 10'20	1.34863 AU
evening set	6609 Dec 29 03:18	20° \mathcal{Z} 25'59			6610 Oct 15 01:05	0° \mathbb{M}	
min. Earth dist.	6610 Jan 02 10:29	15° \mathcal{Z} 48'09	0.67033 AU	evening rise	6610 Oct 18 22:49	7° \mathbb{M} 39'17	
inferior conj	6610 Jan 03 20:16	14° \mathcal{Z} 01'40	0°02'16	desc. node	6610 Oct 30 04:26	27° \mathbb{M} 32'38	
minimum elong	6610 Jan 03 20:12	14° \mathcal{Z} 01'52	0°02'18		6610 Oct 31 16:56	0° \mathcal{X}	
transit middle	6610 Jan 03 20:12	14° \mathcal{Z} 01'52	0°02'18	evening max el	6610 Nov 23 03:52	29° \mathcal{X} 30'23	26°46'52
transit begin	6610 Jan 03 17:24	14° \mathcal{Z} 10'43			6610 Nov 23 16:21	0° \mathcal{Z}	
transit end	6610 Jan 03 23:00	13° \mathcal{Z} 53'02		retrograde	6610 Dec 06 06:26	6° \mathcal{Z} 47'35	
asc. node	6610 Jan 03 17:35	14° \mathcal{Z} 10'08		evening set	6610 Dec 12 20:08	4° \mathcal{Z} 10'39	
morning rise	6610 Jan 09 13:37	8° \mathcal{Z} 10'31			6610 Dec 16 23:40	30° \mathbb{R} \mathcal{X}	
direct	6610 Jan 12 19:27	7° \mathcal{Z} 10'15		min. Earth dist.	6610 Dec 16 21:03	0° \mathcal{Z} 07'33	0.65914 AU
morning max el	6610 Jan 19 16:00	10° \mathcal{Z} 56'33	18°58'13	inferior conj	6610 Dec 18 18:19	27° \mathcal{X} 54'57	-0°57'49
	6610 Feb 02 15:57	0° \approx		minimum elong	6610 Dec 18 19:57	27° \mathcal{X} 50'08	0°57'04
desc. node	6610 Feb 08 06:43	8° \approx 40'59		asc. node	6610 Dec 21 14:38	24° \mathcal{X} 46'02	
morning set	6610 Feb 11 03:42	13° \approx 09'31		morning rise	6610 Dec 24 20:43	22° \mathcal{X} 14'42	
	6610 Feb 21 22:39	0° \mathcal{X}		direct	6610 Dec 27 16:57	21° \mathcal{X} 30'00	
max. Earth dist.	6610 Feb 25 16:14	5° \mathcal{X} 51'07	1.45158 AU	morning max el	6611 Jan 03 05:18	25° \mathcal{X} 00'22	18°17'54
					6611 Jan 07 10:23	0° \mathcal{Z}	
superior conj	6610 Feb 27 17:49	9° \mathcal{X} 06'09	-1°52'17	morning set	6611 Jan 22 12:20	23° \mathcal{Z} 20'47	
minimum elong	6610 Feb 27 09:22	8° \mathcal{X} 32'50	1°51'38	desc. node	6611 Jan 26 03:44	29° \mathcal{Z} 12'00	
	6610 Mar 12 19:34	0° \mathcal{Y}			6611 Jan 26 15:43	0° \approx	
evening rise	6610 Mar 14 17:14	3° \mathcal{Y} 05'33					
	6610 Apr 01 00:57	0° \mathcal{B}		superior conj	6611 Feb 06 21:39	17° \approx 49'11	-1°16'44
asc. node	6610 Apr 01 16:46	0° \mathcal{B} 49'31		minimum elong	6611 Feb 06 12:52	17° \approx 14'43	1°15'41
evening max el	6610 Apr 03 23:57	3° \mathcal{B} 24'28	18°33'28	max. Earth dist.	6611 Feb 08 11:11	20° \approx 16'23	1.45412 AU
retrograde	6610 Apr 10 12:46	6° \mathcal{B} 58'57			6611 Feb 14 16:26	0° \mathcal{X}	
evening set	6610 Apr 13 16:35	6° \mathcal{B} 02'49		evening rise	6611 Feb 22 23:50	12° \mathcal{X} 59'30	
inferior conj	6610 Apr 19 10:11	0° \mathcal{B} 29'17	3°27'51		6611 Mar 05 21:47	0° \mathcal{Y}	
minimum elong	6610 Apr 19 10:30	0° \mathcal{B} 28'19	3°27'50	greatest brilliancy	6611 Mar 06 02:07	0° \mathcal{Y} 16'37	-0.8m
	6610 Apr 19 19:55	30° \mathbb{R} \mathcal{Y}		evening max el	6611 Mar 18 08:54	16° \mathcal{Y} 57'42	19°13'28
min. Earth dist.	6610 Apr 21 11:59	28° \mathcal{Y} 00'20	0.64894 AU	asc. node	6611 Mar 19 13:49	18° \mathcal{Y} 06'51	
morning rise	6610 Apr 25 03:42	24° \mathcal{Y} 14'45		retrograde	6611 Mar 25 08:52	20° \mathcal{Y} 55'31	
direct	6610 May 01 19:50	21° \mathcal{Y} 26'59		evening set	6611 Mar 28 20:06	19° \mathcal{Y} 45'22	
desc. node	6610 May 07 06:05	22° \mathcal{Y} 58'40		inferior conj	6611 Apr 03 07:54	13° \mathcal{Y} 55'57	3°24'34
morning max el	6610 May 15 07:16	29° \mathcal{Y} 22'04	27°13'50	minimum elong	6611 Apr 03 06:57	13° \mathcal{Y} 59'01	3°24'29
	6610 May 15 22:06	0° \mathcal{B}		min. Earth dist.	6611 Apr 04 18:20	12° \mathcal{Y} 05'03	0.66383 AU
	6610 Jun 06 19:43	0° \mathbb{I}		morning rise	6611 Apr 08 17:26	7° \mathcal{Y} 39'49	
morning set	6610 Jun 19 18:57	23° \mathbb{I} 11'00		direct	6611 Apr 15 00:44	4° \mathcal{Y} 53'02	
	6610 Jun 23 05:29	0° \mathbb{G}		desc. node	6611 Apr 24 03:07	9° \mathcal{Y} 07'37	
max. Earth dist.	6610 Jun 24 08:40	2° \mathbb{G} 18'16	1.33600 AU	morning max el	6611 Apr 27 17:12	12° \mathcal{Y} 26'44	26°10'44
					6611 May 11 19:34	0° \mathcal{B}	
superior conj	6610 Jun 28 01:48	10° \mathbb{G} 01'56	-0°06'04		6611 May 30 11:48	0° \mathbb{I}	
minimum elong	6610 Jun 28 02:07	10° \mathbb{G} 03'37	0°06'04	morning set	6611 Jun 02 19:41	6° \mathbb{I} 04'37	
behind sun begin	6610 Jun 27 20:56	9° \mathbb{G} 36'18		max. Earth dist.	6611 Jun 06 17:59	13° \mathbb{I} 33'04	1.35137 AU
behind sun end	6610 Jun 28 07:17	10° \mathbb{G} 30'57					

superior conj	6611 Jun 11 22:02	23° Π 51'19	-0°36'15	superior conj	6612 May 25 08:00	7° Π 07'16	-1°06'59
minimum elong	6611 Jun 12 00:05	24° Π 01'46	0°35'54	minimum elong	6612 May 25 11:54	7° Π 26'19	1°06'22
	6611 Jun 14 21:41	0° \mathfrak{S}		asc. node	6612 Jun 01 10:03	21° \mathfrak{I} 14'23	
asc. node	6611 Jun 15 13:01	1° \mathfrak{S} 19'32		evening rise	6612 Jun 02 19:01	23° Π 59'51	
evening rise	6611 Jun 19 16:01	9° \mathfrak{S} 53'20			6612 Jun 05 19:48	0° \mathfrak{S}	
	6611 Jun 30 09:00	0° Ω		evening max el	6612 Jun 19 17:33	21° \mathfrak{S} 35'48	19°25'47
evening max el	6611 Jul 08 03:36	10° Ω 06'03	20°32'53	retrograde	6612 Jun 29 04:01	26° \mathfrak{S} 14'01	
retrograde	6611 Jul 19 07:21	15° Ω 35'28		evening set	6612 Jul 01 01:41	26° \mathfrak{S} 03'31	
evening set	6611 Jul 21 07:54	15° Ω 25'24		desc. node	6612 Jul 06 23:22	23° \mathfrak{S} 39'16	
desc. node	6611 Jul 21 02:20	15° Ω 27'33		inferior conj	6612 Jul 09 17:13	21° \mathfrak{S} 56'46	-0°49'47
inferior conj	6611 Jul 30 13:24	11° Ω 28'27	-2°47'53	minimum elong	6612 Jul 09 15:00	22° \mathfrak{S} 00'22	0°48'58
minimum elong	6611 Jul 30 05:48	11° Ω 39'24	2°45'17	min. Earth dist.	6612 Jul 12 06:41	20° \mathfrak{S} 17'46	0.55770 AU
min. Earth dist.	6611 Jul 31 17:37	10° Ω 47'47	0.54848 AU	morning rise	6612 Jul 18 01:40	17° \mathfrak{S} 19'33	
morning rise	6611 Aug 08 03:04	7° Ω 23'26		direct	6612 Jul 22 21:06	16° \mathfrak{S} 27'21	
direct	6611 Aug 12 02:41	6° Ω 49'18		morning max el	6612 Aug 05 22:36	23° \mathfrak{S} 32'17	25°06'44
morning max el	6611 Aug 25 09:32	13° Ω 14'31	23°23'18		6612 Aug 11 18:50	0° Ω	
	6611 Sep 07 04:05	0° \mathfrak{M}		asc. node	6612 Aug 28 09:21	27° Ω 11'06	
asc. node	6611 Sep 11 12:20	7° \mathfrak{M} 44'05			6612 Aug 29 18:45	0° \mathfrak{M}	
morning set	6611 Sep 17 20:51	20° \mathfrak{M} 31'56		morning set	6612 Sep 01 08:31	5° \mathfrak{M} 22'29	
	6611 Sep 22 06:35	0° \mathfrak{L}					
superior conj	6611 Sep 24 20:30	5° \mathfrak{L} 34'36	1°39'51	superior conj	6612 Sep 08 06:09	20° \mathfrak{M} 24'18	1°31'21
minimum elong	6611 Sep 24 19:27	5° \mathfrak{L} 28'54	1°39'49	minimum elong	6612 Sep 08 04:17	20° \mathfrak{M} 14'02	1°31'11
max. Earth dist.	6611 Sep 27 12:02	11° \mathfrak{L} 13'32	1.33449 AU	max. Earth dist.	6612 Sep 09 16:40	23° \mathfrak{M} 33'04	1.32466 AU
evening rise	6611 Oct 02 11:38	21° \mathfrak{L} 28'10			6612 Sep 12 16:27	0° \mathfrak{L}	
	6611 Oct 06 21:39	0° \mathfrak{M}		evening rise	6612 Sep 15 09:55	5° \mathfrak{L} 42'43	
desc. node	6611 Oct 17 01:28	17° \mathfrak{M} 31'22			6612 Sep 28 11:52	0° \mathfrak{M}	
	6611 Oct 25 13:32	0° \mathfrak{J}		desc. node	6612 Oct 02 22:30	7° \mathfrak{M} 00'50	
evening max el	6611 Nov 05 16:30	12° \mathfrak{J} 56'55	27°20'57	evening max el	6612 Oct 18 02:36	25° \mathfrak{M} 55'14	27°26'20
retrograde	6611 Nov 19 04:58	20° \mathfrak{J} 15'17			6612 Oct 23 02:31	0° \mathfrak{J}	
evening set	6611 Nov 26 04:08	17° \mathfrak{J} 38'06		retrograde	6612 Oct 31 20:39	3° \mathfrak{J} 10'09	
min. Earth dist.	6611 Nov 29 23:33	14° \mathfrak{J} 08'54	0.64452 AU	evening set	6612 Nov 08 00:15	0° \mathfrak{J} 41'55	
inferior conj	6611 Dec 02 08:34	11° \mathfrak{J} 36'45	-2°02'24		6612 Nov 08 23:26	30° \mathfrak{R} \mathfrak{M}	
minimum elong	6611 Dec 02 12:14	11° \mathfrak{J} 26'56	2°00'53	min. Earth dist.	6612 Nov 11 16:05	27° \mathfrak{M} 42'29	0.62676 AU
asc. node	6611 Dec 08 11:39	6° \mathfrak{J} 22'11		inferior conj	6612 Nov 14 12:11	25° \mathfrak{M} 00'04	-3°08'47
morning rise	6611 Dec 08 21:45	6° \mathfrak{J} 10'32		minimum elong	6612 Nov 14 17:51	24° \mathfrak{M} 46'32	3°06'46
direct	6611 Dec 11 10:37	5° \mathfrak{J} 37'31		morning rise	6612 Nov 21 13:17	19° \mathfrak{M} 51'23	
morning max el	6611 Dec 17 21:52	9° \mathfrak{J} 01'35	17°54'35	direct	6612 Nov 23 21:21	19° \mathfrak{M} 26'26	
	6612 Jan 01 03:18	0° \mathfrak{Z}		asc. node	6612 Nov 24 08:41	19° \mathfrak{M} 27'28	
morning set	6612 Jan 04 02:03	4° \mathfrak{Z} 58'06		morning max el	6612 Nov 30 14:43	22° \mathfrak{M} 53'01	17°48'58
desc. node	6612 Jan 13 00:44	19° \mathfrak{Z} 51'40			6612 Dec 06 04:33	0° \mathfrak{J}	
				morning set	6612 Dec 16 15:12	17° \mathfrak{J} 42'43	
superior conj	6612 Jan 17 12:31	27° \mathfrak{Z} 08'56	-0°31'30		6612 Dec 23 15:26	0° \mathfrak{Z}	
minimum elong	6612 Jan 17 08:49	26° \mathfrak{Z} 54'04	0°30'56	superior conj	6612 Dec 28 03:31	7° \mathfrak{Z} 40'09	0°12'38
	6612 Jan 19 07:13	0° \mathfrak{X}		minimum elong	6612 Dec 28 04:45	7° \mathfrak{Z} 45'20	0°12'31
max. Earth dist.	6612 Jan 22 06:39	4° \mathfrak{X} 43'45	1.44920 AU	behind sun begin	6612 Dec 27 23:01	7° \mathfrak{Z} 21'14	
evening rise	6612 Feb 02 14:01	22° \mathfrak{X} 19'41		behind sun end	6612 Dec 28 10:29	8° \mathfrak{Z} 09'23	
	6612 Feb 07 14:25	0° \mathfrak{H}		desc. node	6612 Dec 29 21:43	10° \mathfrak{Z} 36'27	
greatest brilliancy	6612 Feb 17 08:56	14° \mathfrak{H} 38'30	-0.6m	max. Earth dist.	6613 Jan 03 23:35	18° \mathfrak{Z} 55'05	1.43743 AU
	6612 Feb 29 00:15	0° \mathfrak{Y}			6613 Jan 10 23:32	0° \mathfrak{X}	
evening max el	6612 Feb 29 12:58	0° \mathfrak{Y} 33'09	20°09'03	evening rise	6613 Jan 12 01:35	1° \mathfrak{X} 41'02	
asc. node	6612 Mar 05 10:51	4° \mathfrak{Y} 21'52			6613 Jan 31 04:14	0° \mathfrak{H}	
retrograde	6612 Mar 08 07:01	5° \mathfrak{Y} 03'55		evening max el	6613 Feb 11 11:27	14° \mathfrak{H} 09'25	21°17'21
evening set	6612 Mar 12 02:44	3° \mathfrak{Y} 39'06		retrograde	6613 Feb 20 05:08	19° \mathfrak{H} 19'41	
	6612 Mar 15 15:41	30° \mathfrak{R} \mathfrak{H}		asc. node	6613 Feb 20 07:53	19° \mathfrak{H} 19'37	
inferior conj	6612 Mar 17 11:24	27° \mathfrak{H} 35'42	3°08'46	evening set	6613 Feb 24 10:34	17° \mathfrak{H} 39'45	
minimum elong	6612 Mar 17 09:34	27° \mathfrak{H} 41'55	3°08'26	inferior conj	6613 Mar 01 18:18	11° \mathfrak{H} 24'52	2°42'37
min. Earth dist.	6612 Mar 18 07:27	26° \mathfrak{H} 27'52	0.67433 AU	minimum elong	6613 Mar 01 16:01	11° \mathfrak{H} 32'47	2°42'03
morning rise	6612 Mar 22 16:11	21° \mathfrak{H} 20'24		min. Earth dist.	6613 Mar 02 01:18	11° \mathfrak{H} 00'34	0.68052 AU
direct	6612 Mar 28 11:04	18° \mathfrak{H} 45'16		morning rise	6613 Mar 06 21:18	5° \mathfrak{H} 11'56	
morning max el	6612 Apr 09 02:11	25° \mathfrak{H} 42'50	24°49'33	direct	6613 Mar 12 02:04	2° \mathfrak{H} 55'25	
desc. node	6612 Apr 10 00:08	26° \mathfrak{H} 39'31		morning max el	6613 Mar 22 11:24	9° \mathfrak{H} 05'53	23°20'22
	6612 Apr 13 00:13	0° \mathfrak{Y}		desc. node	6613 Mar 27 21:07	15° \mathfrak{H} 10'51	
	6612 May 04 08:25	0° \mathfrak{B}			6613 Apr 07 21:29	0° \mathfrak{Y}	
morning set	6612 May 15 02:55	18° \mathfrak{B} 05'04		morning set	6613 Apr 26 10:49	28° \mathfrak{Y} 56'45	
max. Earth dist.	6612 May 18 17:45	24° \mathfrak{B} 36'45	1.37084 AU		6613 Apr 27 01:50	0° \mathfrak{B}	
	6612 May 21 15:06	0° \mathfrak{I}		max. Earth dist.	6613 Apr 30 13:28	5° \mathfrak{B} 58'52	1.39278 AU

superior conj	6613 May 08 03:44	19°♄39'10	-1°35'41		6614 Apr 19 11:07	0°♄	
minimum elong	6613 May 08 08:59	20°♄03'33	1°35'04				
	6613 May 13 14:55	0°♄		superior conj	6614 Apr 20 04:43	1°♄17'12	-1°58'28
evening rise	6613 May 17 13:56	7°♄38'33		minimum elong	6614 Apr 20 09:36	1°♄38'44	1°58'10
asc. node	6613 May 19 07:04	10°♄56'21		evening rise	6614 Apr 30 21:14	20°♄41'02	
	6613 May 30 12:17	0°♄			6614 May 05 23:28	0°♄	
evening max el	6613 Jun 02 18:25	3°♄46'03	18°39'14	asc. node	6614 May 06 04:06	0°♄20'39	
retrograde	6613 Jun 10 18:12	7°♄43'10		evening max el	6614 May 17 02:50	16°♄29'24	18°12'57
evening set	6613 Jun 12 21:04	7°♄27'26		retrograde	6614 May 24 02:55	20°♄00'42	
inferior conj	6613 Jun 20 16:52	3°♄02'41	0°55'00	evening set	6614 May 26 13:05	19°♄36'06	
minimum elong	6613 Jun 20 18:50	2°♄58'57	0°54'14	inferior conj	6614 Jun 02 14:00	14°♄51'05	2°11'25
desc. node	6613 Jun 23 20:24	0°♄40'40		minimum elong	6614 Jun 02 17:17	14°♄43'50	2°10'27
min. Earth dist.	6613 Jun 23 23:59	0°♄34'13	0.57448 AU	min. Earth dist.	6614 Jun 05 23:23	11°♄52'50	0.59576 AU
	6613 Jun 24 19:24	30°♄		morning rise	6614 Jun 09 18:35	9°♄07'47	
morning rise	6613 Jun 28 13:11	27°♄48'38		desc. node	6614 Jun 10 17:26	8°♄36'33	
direct	6613 Jul 04 05:39	26°♄28'09		direct	6614 Jun 16 03:57	7°♄13'47	
	6613 Jul 13 19:15	0°♄		morning max el	6614 Jun 30 12:54	15°♄06'02	27°33'02
morning max el	6613 Jul 18 14:41	4°♄02'15	26°34'44		6614 Jul 12 14:22	0°♄	
	6613 Aug 06 10:27	0°♄			6614 Jul 29 19:43	0°♄	
asc. node	6613 Aug 15 06:22	16°♄55'50		morning set	6614 Aug 01 02:10	4°♄40'00	
morning set	6613 Aug 16 18:52	20°♄06'59		asc. node	6614 Aug 02 03:22	6°♄52'32	
	6613 Aug 21 08:21	0°♄		max. Earth dist.	6614 Aug 07 12:46	18°♄34'51	1.31803 AU
superior conj	6613 Aug 23 17:42	5°♄16'58	1°17'40	superior conj	6614 Aug 08 05:21	20°♄06'31	0°59'17
minimum elong	6613 Aug 23 15:27	5°♄04'30	1°17'20	minimum elong	6614 Aug 08 03:11	19°♄54'34	0°58'51
max. Earth dist.	6613 Aug 24 02:05	6°♄03'23	1.31916 AU		6614 Aug 12 17:03	0°♄	
evening rise	6613 Aug 30 14:48	20°♄14'25		evening rise	6614 Aug 14 23:55	4°♄56'01	
	6613 Sep 04 10:02	0°♄			6614 Aug 28 04:16	0°♄	
desc. node	6613 Sep 19 19:32	25°♄49'12		desc. node	6614 Sep 06 16:35	13°♄39'35	
	6613 Sep 22 22:45	0°♄		evening max el	6614 Sep 12 05:10	19°♄40'54	25°58'27
evening max el	6613 Sep 30 07:31	8°♄12'33	26°58'50	retrograde	6614 Sep 26 04:05	26°♄46'40	
retrograde	6613 Oct 14 04:52	15°♄23'08		evening set	6614 Oct 02 12:09	25°♄10'48	
evening set	6613 Oct 21 04:35	13°♄15'22		min. Earth dist.	6614 Oct 06 17:55	22°♄35'34	0.58584 AU
min. Earth dist.	6613 Oct 24 21:52	10°♄36'00	0.60664 AU	inferior conj	6614 Oct 09 22:12	20°♄16'20	-5°02'32
inferior conj	6613 Oct 28 01:54	7°♄56'31	-4°11'52	minimum elong	6614 Oct 10 03:43	20°♄06'13	5°01'38
minimum elong	6613 Oct 28 08:40	7°♄42'17	4°10'01	morning rise	6614 Oct 17 21:35	15°♄51'07	
morning rise	6613 Nov 04 14:56	3°♄08'40		direct	6614 Oct 20 06:06	15°♄32'56	
direct	6613 Nov 06 21:18	2°♄48'33		morning max el	6614 Oct 28 11:56	19°♄31'29	18°35'24
asc. node	6613 Nov 11 05:42	4°♄06'23		asc. node	6614 Oct 29 02:44	20°♄08'16	
morning max el	6613 Nov 14 04:36	6°♄26'23	18°02'05		6614 Nov 05 07:15	0°♄	
	6613 Nov 29 05:08	0°♄		morning set	6614 Nov 13 15:27	15°♄20'51	
morning set	6613 Nov 29 21:24	1°♄15'25			6614 Nov 21 06:09	0°♄	
superior conj	6613 Dec 09 20:18	19°♄26'08	0°49'01	superior conj	6614 Nov 22 10:35	2°♄13'32	1°15'34
minimum elong	6613 Dec 09 23:47	19°♄41'30	0°48'35	minimum elong	6614 Nov 22 14:05	2°♄29'50	1°15'12
	6613 Dec 15 22:59	0°♄		max. Earth dist.	6614 Nov 29 18:28	15°♄28'10	1.39973 AU
desc. node	6613 Dec 16 18:44	1°♄23'00		evening rise	6614 Dec 03 22:25	22°♄35'13	
max. Earth dist.	6613 Dec 17 11:29	2°♄33'00	1.42022 AU	desc. node	6614 Dec 03 15:44	22°♄07'15	
evening rise	6613 Dec 23 01:29	11°♄39'34			6614 Dec 08 10:54	0°♄	
	6614 Jan 04 00:14	0°♄			6614 Dec 28 23:37	0°♄	
evening max el	6614 Jan 25 05:00	27°♄48'01	22°34'16	evening max el	6615 Jan 07 19:20	11°♄30'00	23°54'23
	6614 Jan 27 13:16	0°♄		retrograde	6615 Jan 18 18:40	17°♄57'36	
retrograde	6614 Feb 04 01:30	3°♄39'16		evening set	6615 Jan 23 23:35	15°♄47'43	
asc. node	6614 Feb 07 04:55	2°♄48'26		asc. node	6615 Jan 25 01:59	14°♄46'05	
evening set	6614 Feb 08 18:03	1°♄44'09		inferior conj	6615 Jan 29 10:29	9°♄20'38	1°24'33
	6614 Feb 10 12:36	30°♄		minimum elong	6615 Jan 29 08:42	9°♄26'44	1°23'56
inferior conj	6614 Feb 14 02:37	25°♄21'09	2°07'35	min. Earth dist.	6615 Jan 28 18:23	10°♄15'22	0.68077 AU
minimum elong	6614 Feb 14 00:21	25°♄29'02	2°06'52	morning rise	6615 Feb 03 17:48	3°♄16'46	
min. Earth dist.	6614 Feb 13 21:45	25°♄38'04	0.68259 AU	direct	6615 Feb 07 18:33	1°♄44'44	
morning rise	6614 Feb 19 06:32	19°♄11'53		morning max el	6615 Feb 15 18:51	6°♄19'24	20°33'59
direct	6614 Feb 23 20:56	17°♄17'24		desc. node	6615 Mar 01 15:06	24°♄10'43	
morning max el	6614 Mar 04 23:52	22°♄37'20	21°52'43		6615 Mar 05 14:24	0°♄	
	6614 Mar 11 09:15	0°♄		morning set	6615 Mar 16 18:24	16°♄57'50	
desc. node	6614 Mar 14 18:07	4°♄25'24			6615 Mar 25 00:31	0°♄	
	6614 Apr 01 05:30	0°♄		max. Earth dist.	6615 Mar 25 17:51	1°♄09'47	1.43342 AU
morning set	6614 Apr 06 14:54	8°♄30'06		superior conj	6615 Apr 01 06:22	11°♄51'44	-2°10'03
max. Earth dist.	6614 Apr 12 12:04	18°♄06'45	1.41460 AU				

minimum elong	6615 Apr 01 07:39	11° Υ 57'05	2°10'03		6616 Feb 26 17:05	0° X	
	6615 Apr 11 20:10	0° B		max. Earth dist.	6616 Mar 07 07:06	14° X 59'46	1.44695 AU
evening rise	6615 Apr 13 12:34	2° B 57'32					
asc. node	6615 Apr 23 01:09	19° B 21'14		superior conj	6616 Mar 11 06:56	21° X 20'53	-2°04'35
evening max el	6615 Apr 30 15:12	29° B 36'49	18°06'13	minimum elong	6616 Mar 11 01:40	20° X 59'47	2°04'20
	6615 May 01 00:51	0° II			6616 Mar 16 15:32	0° Υ	
retrograde	6615 May 07 03:00	2° II 58'07		evening rise	6616 Mar 25 07:25	14° Υ 19'17	
evening set	6615 May 09 20:17	2° II 22'11			6616 Apr 03 18:06	0° B	
	6615 May 13 09:41	30° K B		asc. node	6616 Apr 08 22:13	7° B 49'57	
inferior conj	6615 May 16 05:54	27° B 17'11	2°59'00	evening max el	6616 Apr 13 04:16	12° B 59'10	18°18'18
minimum elong	6615 May 16 08:30	27° B 10'34	2°58'29	retrograde	6616 Apr 19 14:01	16° B 24'59	
min. Earth dist.	6615 May 19 06:37	24° B 14'07	0.61805 AU	evening set	6616 Apr 22 14:02	15° B 36'19	
morning rise	6615 May 22 18:50	21° B 15'30		inferior conj	6616 Apr 28 12:22	10° B 12'33	3°22'49
desc. node	6615 May 28 14:28	18° B 54'46		minimum elong	6616 Apr 28 13:33	10° B 09'11	3°22'41
direct	6615 May 29 13:12	18° B 52'02		min. Earth dist.	6616 Apr 30 22:59	7° B 26'45	0.63863 AU
morning max el	6615 Jun 12 17:17	26° B 52'36	27°54'16	morning rise	6616 May 04 12:04	4° B 01'05	
	6615 Jun 15 15:52	0° II		direct	6616 May 11 06:59	1° B 18'46	
	6615 Jul 06 05:45	0° B		desc. node	6616 May 14 11:29	1° B 50'20	
morning set	6615 Jul 16 04:33	18° B 56'01		morning max el	6616 May 25 01:56	9° B 18'19	27°38'11
asc. node	6615 Jul 20 00:25	26° B 56'39			6616 Jun 10 04:35	0° II	
	6615 Jul 21 10:32	0° Ω			6616 Jun 27 13:30	0° B	
max. Earth dist.	6615 Jul 21 20:59	0° Ω 56'38	1.32138 AU	morning set	6616 Jun 28 23:30	2° B 47'05	
				max. Earth dist.	6616 Jul 03 22:53	12° B 56'54	1.32935 AU
superior conj	6615 Jul 23 15:22	4° Ω 47'35	0°36'41	asc. node	6616 Jul 05 21:26	17° B 03'10	
minimum elong	6615 Jul 23 13:47	4° Ω 38'55	0°36'18				
evening rise	6615 Jul 30 11:18	19° Ω 41'34		superior conj	6616 Jul 06 21:46	19° B 13'19	0°10'26
	6615 Aug 04 11:13	0° B		minimum elong	6616 Jul 06 21:16	19° B 10'34	0°10'16
	6615 Aug 24 09:56	0° B		behind sun begin	6616 Jul 07 17:07	18° B 48'20	
desc. node	6615 Aug 24 13:39	0° B 09'06		behind sun end	6616 Jul 07 01:25	19° B 32'50	
evening max el	6615 Aug 24 19:45	0° B 23'51	24°32'05		6616 Jul 11 21:37	0° Ω	
retrograde	6615 Sep 07 15:45	7° B 21'23		evening rise	6616 Jul 13 22:58	4° Ω 23'59	
evening set	6615 Sep 12 19:11	6° B 22'27			6616 Jul 27 17:53	0° B	
min. Earth dist.	6615 Sep 18 06:52	3° B 32'55	0.56697 AU	evening max el	6616 Aug 05 07:51	10° B 41'09	22°53'50
inferior conj	6615 Sep 20 22:33	1° B 51'36	-5°25'59	desc. node	6616 Aug 10 10:43	14° B 46'33	
minimum elong	6615 Sep 20 23:06	1° B 50'42	5°25'58	retrograde	6616 Aug 18 14:38	17° B 19'11	
	6615 Sep 23 23:25	30° K B		evening set	6616 Aug 22 05:41	16° B 50'25	
morning rise	6615 Sep 29 05:16	27° B 47'52		min. Earth dist.	6616 Aug 29 16:09	13° B 30'32	0.55318 AU
direct	6615 Oct 01 20:26	27° B 28'59		inferior conj	6616 Aug 31 03:36	12° B 39'36	-5°04'34
	6615 Oct 09 00:06	0° B		minimum elong	6616 Aug 30 21:14	12° B 48'47	5°03'40
morning max el	6615 Oct 11 09:18	1° B 58'19	19°30'30	morning rise	6616 Sep 08 14:54	8° B 49'53	
asc. node	6615 Oct 15 23:46	7° B 18'13		direct	6616 Sep 11 16:12	8° B 28'06	
morning set	6615 Oct 28 17:37	29° B 48'48		morning max el	6616 Sep 22 18:15	13° B 38'17	20°47'43
	6615 Oct 28 19:51	0° B		asc. node	6616 Oct 01 20:47	25° B 20'41	
					6616 Oct 04 14:23	0° B	
superior conj	6615 Nov 05 17:11	15° B 48'05	1°32'32	morning set	6616 Oct 12 01:00	14° B 30'20	
minimum elong	6615 Nov 05 19:34	15° B 59'46	1°32'23				
max. Earth dist.	6615 Nov 11 23:50	27° B 45'47	1.37844 AU	superior conj	6616 Oct 19 11:27	29° B 55'58	1°41'00
	6615 Nov 13 05:10	0° X		minimum elong	6616 Oct 19 12:23	0° B 00'45	1°41'00
evening rise	6615 Nov 15 17:39	4° X 30'59			6616 Oct 19 12:15	0° B	
desc. node	6615 Nov 20 12:47	12° X 45'43		max. Earth dist.	6616 Oct 24 08:19	9° B 41'25	1.35860 AU
	6615 Dec 01 11:42	0° B		evening rise	6616 Oct 28 08:08	17° B 18'22	
evening max el	6615 Dec 21 08:25	25° B 15'31	25°10'55		6616 Nov 04 11:36	0° X	
	6615 Dec 27 02:10	0° \approx		desc. node	6616 Nov 06 09:50	3° X 13'28	
retrograde	6616 Jan 02 07:29	2° \approx 10'20			6616 Nov 24 19:50	0° B	
	6616 Jan 07 19:23	30° K B		evening max el	6616 Dec 02 21:22	9° B 00'12	26°16'44
evening set	6616 Jan 08 01:37	29° B 47'06		retrograde	6616 Dec 15 15:17	16° B 11'57	
asc. node	6616 Jan 11 23:03	25° B 33'29		evening set	6616 Dec 21 22:23	13° B 38'21	
min. Earth dist.	6616 Jan 12 12:53	24° B 49'10	0.67527 AU	min. Earth dist.	6616 Dec 26 02:51	9° B 15'31	0.66608 AU
inferior conj	6616 Jan 13 16:06	23° B 20'31	0°34'17	inferior conj	6616 Dec 27 17:30	7° B 17'18	-0°22'30
minimum elong	6616 Jan 13 15:15	23° B 23'15	0°33'59	minimum elong	6616 Dec 27 18:06	7° B 15'27	0°22'12
morning rise	6616 Jan 19 05:09	17° B 24'02		asc. node	6616 Dec 28 20:05	5° B 56'52	
direct	6616 Jan 22 17:30	16° B 12'54		morning rise	6617 Jan 02 14:28	1° B 30'35	
morning max el	6616 Jan 29 21:51	20° B 13'00	19°28'41	direct	6617 Jan 05 16:04	0° B 37'18	
	6616 Feb 06 19:34	0° \approx		morning max el	6617 Jan 12 08:04	4° B 15'05	18°39'02
greatest brilliancy	6616 Feb 11 21:40	7° \approx 22'40	-0.7m		6617 Jan 30 09:26	0° \approx	
desc. node	6616 Feb 16 12:06	14° \approx 18'25		morning set	6617 Feb 02 08:04	4° \approx 38'26	
morning set	6616 Feb 23 16:00	25° \approx 17'21		desc. node	6617 Feb 02 09:06	4° \approx 42'31	

max. Earth dist.	6617 Feb 18 01:16	29° \approx 19'10	1.45362 AU		6618 Jan 23 04:08	0° \approx	
	6617 Feb 18 11:41	0° H					
superior conj	6617 Feb 18 13:29	0° H 07'02	-1°39'05	superior conj	6618 Jan 28 19:46	9° \approx 00'00	-0°58'03
minimum elong	6617 Feb 18 03:58	29° \approx 29'44	1°38'10	minimum elong	6618 Jan 28 12:49	8° \approx 32'32	0°57'07
evening rise	6617 Mar 06 03:02	24° H 43'56		max. Earth dist.	6618 Jan 31 20:46	13° \approx 47'33	1.45287 AU
	6617 Mar 09 10:03	0° Y			6618 Feb 11 06:15	0° H	
greatest brilliancy	6617 Mar 14 02:50	7° Y 29'47	-0.9m	evening rise	6618 Feb 14 01:25	4° H 20'17	
asc. node	6617 Mar 26 19:17	25° Y 37'02		greatest brilliancy	6618 Feb 27 01:40	24° H 17'07	-0.7m
evening max el	6617 Mar 27 15:18	26° Y 29'50	18°48'23		6618 Mar 02 23:18	0° Y	
	6617 Apr 01 19:16	0° B		evening max el	6618 Mar 10 22:13	10° Y 03'56	19°35'16
retrograde	6617 Apr 03 07:53	0° B 13'00		asc. node	6618 Mar 13 16:20	12° Y 29'44	
	6617 Apr 04 19:58	30° R Y		retrograde	6618 Mar 18 05:16	14° Y 15'12	
evening set	6617 Apr 06 14:48	29° Y 10'51		evening set	6618 Mar 21 19:53	12° Y 58'59	
inferior conj	6617 Apr 12 05:32	23° Y 30'03	3°28'11	inferior conj	6618 Mar 27 06:02	7° Y 03'09	3°19'14
minimum elong	6617 Apr 12 05:16	23° Y 30'51	3°28'09	minimum elong	6618 Mar 27 04:39	7° Y 07'43	3°19'04
min. Earth dist.	6617 Apr 14 00:36	21° Y 16'36	0.65579 AU	min. Earth dist.	6618 Mar 28 10:10	5° Y 30'14	0.66882 AU
morning rise	6617 Apr 17 19:14	17° Y 14'25		morning rise	6618 Apr 01 13:09	0° Y 46'52	
direct	6617 Apr 24 08:01	14° Y 25'57			6618 Apr 02 11:32	30° R H	
desc. node	6617 May 01 08:29	16° Y 58'30		direct	6618 Apr 07 15:21	28° H 04'00	
morning max el	6617 May 07 12:20	22° Y 13'27	26°49'54	desc. node	6618 Apr 13 10:25	0° Y	
	6617 May 14 07:56	0° B		morning max el	6618 Apr 18 05:29	3° Y 45'59	
	6617 Jun 03 10:27	0° II			6618 Apr 19 22:05	5° Y 24'48	25°37'45
morning set	6617 Jun 12 08:01	16° II 05'00		morning set	6618 May 08 20:16	0° B	
max. Earth dist.	6617 Jun 16 15:02	24° II 28'57	1.34204 AU		6618 May 26 01:57	28° B 37'51	
	6617 Jun 19 08:13	0° E		max. Earth dist.	6618 May 26 19:54	0° II	
					6618 May 29 19:45	5° II 35'30	1.35922 AU
superior conj	6617 Jun 20 22:26	3° E 17'52	-0°18'41	superior conj	6618 Jun 04 14:39	16° II 53'40	-0°49'23
minimum elong	6617 Jun 20 23:27	3° E 23'09	0°18'32	minimum elong	6618 Jun 04 17:30	17° II 07'56	0°48'53
asc. node	6617 Jun 22 18:29	7° E 08'30		asc. node	6618 Jun 09 15:31	27° II 08'15	
evening rise	6617 Jun 28 09:01	18° E 57'39			6618 Jun 11 00:59	0° E	
	6617 Jul 03 20:24	0° Ω		evening rise	6618 Jun 12 15:16	3° E 15'45	
evening max el	6617 Jul 18 02:07	21° Ω 08'30	21°20'03		6618 Jun 28 07:14	0° Ω	
desc. node	6617 Jul 28 07:45	26° Ω 59'29		evening max el	6618 Jun 30 08:38	2° Ω 13'01	20°01'51
retrograde	6617 Jul 30 04:31	27° Ω 07'51		retrograde	6618 Jul 10 19:00	7° Ω 20'23	
evening set	6617 Aug 01 13:52	26° Ω 54'40		evening set	6618 Jul 12 16:26	7° Ω 10'59	
inferior conj	6617 Aug 10 21:11	22° Ω 56'00	-3°49'49	desc. node	6618 Jul 15 04:44	6° Ω 31'40	
minimum elong	6617 Aug 10 12:01	23° Ω 08'51	3°47'11	inferior conj	6618 Jul 21 17:18	3° Ω 11'28	-1°57'51
min. Earth dist.	6617 Aug 11 01:34	22° Ω 49'51	0.54743 AU	minimum elong	6618 Jul 21 11:50	3° Ω 19'41	1°55'52
morning rise	6617 Aug 19 11:00	19° Ω 02'40		min. Earth dist.	6618 Jul 23 13:20	2° Ω 05'20	0.55126 AU
direct	6617 Aug 23 00:57	18° Ω 35'01			6618 Jul 27 09:51	30° R E	
morning max el	6617 Sep 04 15:33	24° Ω 33'04	22°23'29	morning rise	6618 Jul 30 05:34	28° E 53'47	
	6617 Sep 09 14:46	0° M		direct	6618 Aug 03 12:54	28° E 13'16	
asc. node	6617 Sep 18 17:48	14° M 03'35			6618 Aug 10 10:54	0° Ω	
morning set	6617 Sep 26 11:24	29° M 19'22		morning max el	6618 Aug 17 05:45	4° Ω 57'28	24°08'13
	6617 Sep 26 19:08	0° $\underline{\text{L}}$			6618 Sep 03 21:22	0° M	
				asc. node	6618 Sep 05 14:49	3° M 17'05	
superior conj	6617 Oct 03 13:48	14° $\underline{\text{L}}$ 26'46	1°42'08	morning set	6618 Sep 10 23:05	14° M 10'57	
minimum elong	6617 Oct 03 13:24	14° $\underline{\text{L}}$ 24'34	1°42'09				
max. Earth dist.	6617 Oct 06 23:58	21° $\underline{\text{L}}$ 36'24	1.34204 AU	superior conj	6618 Sep 17 21:28	29° M 12'08	1°36'56
	6617 Oct 11 04:10	0° M		minimum elong	6618 Sep 17 20:00	29° M 04'14	1°36'50
evening rise	6617 Oct 11 13:53	0° M 47'28			6618 Sep 18 06:17	0° $\underline{\text{L}}$	
desc. node	6617 Oct 24 06:53	23° M 24'47		max. Earth dist.	6618 Sep 20 00:05	3° $\underline{\text{L}}$ 45'29	1.32968 AU
	6617 Oct 28 12:03	0° J		evening rise	6618 Sep 25 07:06	14° $\underline{\text{L}}$ 48'34	
evening max el	6617 Nov 15 10:10	22° J 35'37	27°04'29		6618 Oct 03 06:18	0° M	
retrograde	6617 Nov 28 17:28	29° J 54'36		desc. node	6618 Oct 11 03:55	13° M 12'31	
evening set	6617 Dec 05 11:47	27° J 16'12			6618 Oct 23 09:46	0° J	
min. Earth dist.	6617 Dec 09 10:05	23° J 28'09	0.65331 AU	evening max el	6618 Oct 28 21:51	5° J 51'36	27°27'09
inferior conj	6617 Dec 11 12:29	21° J 06'00	-1°24'47	retrograde	6618 Nov 11 13:29	13° J 09'54	
minimum elong	6617 Dec 11 14:58	20° J 58'59	1°23'42	evening set	6618 Nov 18 15:12	10° J 35'05	
asc. node	6617 Dec 15 17:07	16° J 52'40		min. Earth dist.	6618 Nov 22 08:37	7° J 19'20	0.63721 AU
morning rise	6617 Dec 17 19:19	15° J 31'40		inferior conj	6618 Nov 24 22:35	4° J 41'10	-2°30'35
direct	6617 Dec 20 12:06	14° J 52'30		minimum elong	6618 Nov 25 03:09	4° J 29'31	2°28'48
morning max el	6617 Dec 26 23:10	18° J 18'57	18°05'57		6618 Nov 30 09:43	30° R M	
	6618 Jan 04 16:32	0° B		morning rise	6618 Dec 01 16:46	29° M 22'08	
morning set	6618 Jan 14 05:28	15° B 27'49		asc. node	6618 Dec 02 14:07	29° M 04'53	
desc. node	6618 Jan 20 06:06	25° B 17'45		direct	6618 Dec 04 03:07	28° M 53'07	

	6618 Dec 07 19:31	0°♊		morning rise	6619 Nov 15 02:57	12°♍53'53	
morning max el	6618 Dec 10 16:17	2°♊17'34	17°50'02	direct	6619 Nov 17 09:48	12°♍31'24	
morning set	6618 Dec 27 06:01	27°♊36'35		asc. node	6619 Nov 19 11:08	12°♍50'13	
	6618 Dec 28 15:23	0°♋		morning max el	6619 Nov 24 08:13	16°♍02'04	17°52'09
desc. node	6619 Jan 07 03:08	16°♋00'26			6619 Dec 04 02:30	0°♊	
				morning set	6619 Dec 10 03:08	10°♊43'47	
superior conj	6619 Jan 08 20:08	18°♋48'49	-0°12'11				
minimum elong	6619 Jan 08 18:48	18°♋43'20	0°11'56	superior conj	6619 Dec 20 22:18	29°♊52'08	0°29'13
behind sun begin	6619 Jan 08 12:11	18°♋16'14		minimum elong	6619 Dec 21 00:49	0°♋02'57	0°28'53
behind sun end	6619 Jan 09 01:25	19°♋10'23			6619 Dec 21 00:08	0°♋	
max. Earth dist.	6619 Jan 14 14:55	28°♋08'23	1.44493 AU	desc. node	6619 Dec 25 00:08	6°♋46'20	
	6619 Jan 15 19:02	0°♌		max. Earth dist.	6619 Dec 28 05:46	12°♋06'45	1.43069 AU
evening rise	6619 Jan 24 12:32	13°♌36'22		evening rise	6620 Jan 04 03:45	23°♋09'56	
	6619 Feb 04 08:42	0°♍			6620 Jan 08 13:49	0°♌	
evening max el	6619 Feb 21 23:56	23°♍40'06	20°36'43		6620 Jan 29 13:31	0°♍	
asc. node	6619 Feb 28 13:21	28°♍13'58		evening max el	6620 Feb 04 20:20	7°♍17'59	21°49'22
retrograde	6619 Mar 02 03:39	28°♍27'20		retrograde	6620 Feb 14 01:07	12°♍45'21	
evening set	6619 Mar 06 03:13	26°♍56'23		asc. node	6620 Feb 15 10:22	12°♍35'18	
inferior conj	6619 Mar 11 11:16	20°♍47'51	2°58'49	evening set	6620 Feb 18 11:07	10°♍59'05	
minimum elong	6619 Mar 11 09:12	20°♍54'59	2°58'24	inferior conj	6620 Feb 23 19:02	4°♍40'35	2°28'47
min. Earth dist.	6619 Mar 12 01:42	19°♍58'20	0.67752 AU	minimum elong	6620 Feb 23 16:42	4°♍48'42	2°28'08
morning rise	6619 Mar 16 14:56	14°♍33'09		min. Earth dist.	6620 Feb 23 20:56	4°♍33'58	0.68193 AU
direct	6619 Mar 22 03:59	12°♍05'01			6620 Feb 27 09:37	30°♌	
morning max el	6619 Apr 02 06:48	18°♍43'57	24°11'49	morning rise	6620 Feb 28 22:06	28°♌29'06	
desc. node	6619 Apr 05 02:29	21°♍45'43		direct	6620 Mar 04 20:52	26°♌21'30	
	6619 Apr 11 18:49	0°♎			6620 Mar 12 09:15	0°♍	
	6619 May 01 22:53	0°♏		morning max el	6620 Mar 14 16:48	2°♍09'54	22°42'22
morning set	6619 May 07 24:00	10°♏11'13		desc. node	6620 Mar 21 23:30	10°♍37'23	
max. Earth dist.	6619 May 11 16:22	16°♏40'47	1.38003 AU		6620 Apr 04 18:52	0°♎	
				morning set	6620 Apr 17 20:27	20°♎30'41	
superior conj	6619 May 18 19:06	29°♏52'21	-1°19'37	max. Earth dist.	6620 Apr 22 12:43	28°♎21'10	1.40230 AU
minimum elong	6619 May 18 23:41	0°♐14'18	1°18'58		6620 Apr 23 11:47	0°♏	
	6619 May 18 20:42	0°♐					
evening rise	6619 May 27 15:12	17°♐11'17		superior conj	6620 Apr 30 07:35	12°♏04'00	-1°46'20
asc. node	6619 May 27 12:33	16°♐58'12		minimum elong	6620 Apr 30 12:59	12°♏28'30	1°45'50
	6619 Jun 03 08:35	0°♑			6620 May 09 22:00	0°♐	
evening max el	6619 Jun 13 03:43	14°♑01'17	19°03'29	evening rise	6620 May 10 05:43	0°♐36'35	
retrograde	6619 Jun 21 22:05	18°♑19'50		asc. node	6620 May 13 09:35	6°♐33'56	
evening set	6619 Jun 23 21:29	18°♑07'37		evening max el	6620 May 26 08:23	26°♐27'58	18°25'36
inferior conj	6619 Jul 02 04:53	13°♑54'14	-0°02'20		6620 Jun 01 02:57	0°♑	
minimum elong	6619 Jul 02 04:47	13°♑54'24	0°02'21	retrograde	6620 Jun 02 20:23	0°♑11'48	
transit middle	6619 Jul 02 04:47	13°♑54'24	0°02'21		6620 Jun 04 14:33	30°♌♐	
transit begin	6619 Jul 02 01:03	14°♑00'51		evening set	6620 Jun 05 02:29	29°♐52'31	
transit end	6619 Jul 02 08:32	13°♑47'57		inferior conj	6620 Jun 12 13:54	25°♐19'03	1°31'06
desc. node	6619 Jul 02 01:46	13°♑59'36		minimum elong	6620 Jun 12 16:45	25°♐13'16	1°30'07
min. Earth dist.	6619 Jul 05 04:11	11°♑52'06	0.56409 AU	min. Earth dist.	6620 Jun 15 23:37	22°♐35'17	0.58326 AU
morning rise	6619 Jul 10 08:52	9°♑01'01		desc. node	6620 Jun 17 22:48	21°♐10'22	
direct	6619 Jul 15 13:40	7°♑57'32		morning rise	6620 Jun 20 03:47	19°♐51'41	
morning max el	6619 Jul 29 19:19	15°♑16'41	25°47'00	direct	6620 Jun 26 04:26	18°♐17'08	
	6619 Aug 10 15:11	0°♒		morning max el	6620 Jul 10 13:43	25°♐59'14	27°03'45
asc. node	6619 Aug 23 11:49	22°♒52'28			6620 Jul 14 08:04	0°♑	
morning set	6619 Aug 26 10:21	28°♒59'23			6620 Aug 02 23:37	0°♒	
	6619 Aug 26 21:44	0°♓		asc. node	6620 Aug 09 08:52	12°♒43'26	
				morning set	6620 Aug 09 19:38	13°♒40'01	
superior conj	6619 Sep 02 08:08	14°♓03'58	1°26'10				
minimum elong	6619 Sep 02 06:02	13°♓52'27	1°25'54	superior conj	6620 Aug 16 19:57	28°♒56'19	1°10'25
max. Earth dist.	6619 Sep 03 07:03	16°♓10'09	1.32175 AU	minimum elong	6620 Aug 16 17:41	28°♒43'44	1°10'01
evening rise	6619 Sep 09 08:30	29°♓11'39		max. Earth dist.	6620 Aug 16 17:39	28°♒43'34	1.31822 AU
	6619 Sep 09 17:49	0°♔			6620 Aug 17 07:27	0°♓	
	6619 Sep 26 09:47	0°♕		evening rise	6620 Aug 23 15:30	13°♓49'01	
desc. node	6619 Sep 28 00:57	2°♕26'14			6620 Aug 31 18:53	0°♔	
evening max el	6619 Oct 11 06:14	18°♕34'33	27°18'57	desc. node	6620 Sep 13 21:59	20°♔52'19	
retrograde	6619 Oct 25 02:12	25°♕47'34			6620 Sep 21 19:02	0°♕	
evening set	6619 Nov 01 05:07	23°♕26'57		evening max el	6620 Sep 22 08:28	0°♕32'14	26°36'56
min. Earth dist.	6619 Nov 04 20:49	20°♕37'16	0.61835 AU	retrograde	6620 Oct 06 06:23	7°♕39'48	
inferior conj	6619 Nov 07 20:43	17°♕54'23	-3°36'25	evening set	6620 Oct 13 01:09	5°♕44'38	
minimum elong	6619 Nov 08 03:02	17°♕40'02	3°34'22	min. Earth dist.	6620 Oct 16 22:11	3°♕09'13	0.59780 AU

inferior conj	6620 Oct 20 03:26	0° \mathbb{M} 36'29	-4°35'38	min. Earth dist.	6621 Sep 28 14:25	14° \mathbb{A} 43'02	0.57743 AU
minimum elong	6620 Oct 20 10:04	0° \mathbb{M} 23'20	4°34'06	inferior conj	6621 Oct 01 15:23	12° \mathbb{A} 37'50	-5°16'50
	6620 Oct 20 21:55	30° \mathbb{R} \mathbb{A}		minimum elong	6621 Oct 01 19:16	12° \mathbb{A} 31'08	5°16'26
morning rise	6620 Oct 27 21:08	25° \mathbb{A} 57'51		morning rise	6621 Oct 09 18:21	8° \mathbb{A} 22'33	
direct	6620 Oct 30 04:03	25° \mathbb{A} 38'45		direct	6621 Oct 12 05:19	8° \mathbb{A} 04'19	
asc. node	6620 Nov 05 08:10	28° \mathbb{A} 05'50		morning max el	6621 Oct 20 23:09	12° \mathbb{A} 14'10	18°56'12
morning max el	6620 Nov 06 19:39	29° \mathbb{A} 24'03	18°13'40	asc. node	6621 Oct 23 05:13	14° \mathbb{A} 38'38	
	6620 Nov 07 09:57	0° \mathbb{M}			6621 Nov 01 23:15	0° \mathbb{M}	
morning set	6620 Nov 22 14:53	24° \mathbb{M} 31'53		morning set	6621 Nov 06 12:47	8° \mathbb{M} 48'13	
	6620 Nov 25 12:17	0° \mathbb{X}					
superior conj	6620 Dec 02 00:48	12° \mathbb{X} 05'35	1°01'31	superior conj	6621 Nov 14 22:41	25° \mathbb{M} 15'19	1°23'53
minimum elong	6620 Dec 02 04:29	12° \mathbb{X} 22'17	1°01'04	minimum elong	6621 Nov 15 01:47	25° \mathbb{M} 30'08	1°23'37
max. Earth dist.	6620 Dec 09 15:53	25° \mathbb{X} 28'42	1.41180 AU	max. Earth dist.	6621 Nov 21 21:47	8° \mathbb{X} 07'21	1.39057 AU
desc. node	6620 Dec 10 21:09	27° \mathbb{X} 32'12		evening rise	6621 Nov 25 18:31	14° \mathbb{X} 52'37	
	6620 Dec 12 08:35	0° \mathbb{Z}		desc. node	6621 Nov 27 18:11	18° \mathbb{X} 14'42	
evening rise	6620 Dec 14 11:58	3° \mathbb{Z} 31'03			6621 Dec 05 00:32	0° \mathbb{Z}	
	6620 Dec 31 21:28	0° \approx			6621 Dec 26 17:23	0° \approx	
evening max el	6621 Jan 17 12:19	20° \approx 57'54	23°08'23	evening max el	6621 Dec 31 01:44	4° \approx 41'18	24°27'47
retrograde	6621 Jan 27 20:09	27° \approx 04'58		retrograde	6622 Jan 11 11:40	11° \approx 22'09	
asc. node	6621 Feb 01 07:26	25° \approx 24'27		evening set	6622 Jan 16 22:14	9° \approx 06'02	
evening set	6621 Feb 01 17:58	25° \approx 03'17		asc. node	6622 Jan 19 04:29	6° \approx 48'40	
min. Earth dist.	6621 Feb 06 17:38	19° \approx 11'47	0.68229 AU	min. Earth dist.	6622 Jan 21 13:34	3° \approx 48'27	0.67883 AU
inferior conj	6621 Feb 07 03:22	18° \approx 38'12	1°50'16	inferior conj	6622 Jan 22 10:29	2° \approx 38'26	1°04'06
minimum elong	6621 Feb 07 01:14	18° \approx 45'32	1°49'34	minimum elong	6622 Jan 22 09:02	2° \approx 43'17	1°03'34
morning rise	6621 Feb 12 08:27	12° \approx 31'18			6622 Jan 24 11:17	30° \mathbb{R} \mathbb{Z}	
direct	6621 Feb 16 16:58	10° \approx 46'29		morning rise	6622 Jan 27 19:59	26° \mathbb{Z} 37'40	
morning max el	6621 Feb 25 07:45	15° \approx 45'35	21°17'54	direct	6622 Jan 31 15:12	25° \mathbb{Z} 15'03	
desc. node	6621 Mar 08 20:30	0° \mathbb{X} 06'08		morning max el	6622 Feb 08 06:15	29° \mathbb{Z} 33'39	20°04'30
	6621 Mar 08 18:44	0° \mathbb{X}			6622 Feb 08 16:40	0° \approx	
morning set	6621 Mar 28 12:54	29° \mathbb{X} 32'20		desc. node	6622 Feb 23 17:30	20° \approx 02'04	
	6621 Mar 28 19:55	0° \mathbb{Y}			6622 Mar 02 08:38	0° \mathbb{X}	
max. Earth dist.	6621 Apr 04 14:47	10° \mathbb{Y} 55'26	1.42313 AU	morning set	6622 Mar 07 10:51	7° \mathbb{X} 48'07	
				max. Earth dist.	6622 Mar 17 23:58	24° \mathbb{X} 20'36	1.43988 AU
superior conj	6621 Apr 11 23:09	23° \mathbb{Y} 16'13	-2°05'06		6622 Mar 21 12:20	0° \mathbb{Y}	
minimum elong	6621 Apr 12 02:59	23° \mathbb{Y} 32'41	2°04'57				
	6621 Apr 15 19:56	0° \mathbb{Z}		superior conj	6622 Mar 23 13:58	3° \mathbb{Y} 22'03	-2°10'07
evening rise	6621 Apr 23 06:50	13° \mathbb{Z} 21'18		minimum elong	6622 Mar 23 12:38	3° \mathbb{Y} 16'38	2°10'06
asc. node	6621 Apr 30 06:38	25° \mathbb{Z} 49'18		evening rise	6622 Apr 05 14:01	25° \mathbb{Y} 15'57	
	6621 May 02 18:46	0° \mathbb{I}			6622 Apr 08 07:56	0° \mathbb{Z}	
evening max el	6621 May 09 18:53	9° \mathbb{I} 22'45	18°07'40	asc. node	6622 Apr 17 03:41	14° \mathbb{Z} 37'41	
retrograde	6621 May 16 12:26	12° \mathbb{I} 48'11		evening max el	6622 Apr 23 07:52	22° \mathbb{Z} 37'22	18°09'02
evening set	6621 May 19 01:40	12° \mathbb{I} 18'58		retrograde	6622 Apr 29 17:48	25° \mathbb{Z} 59'16	
inferior conj	6621 May 25 19:33	7° \mathbb{I} 24'57	2°34'51	evening set	6622 May 02 13:50	25° \mathbb{Z} 18'12	
minimum elong	6621 May 25 22:42	7° \mathbb{I} 17'31	2°34'03	inferior conj	6622 May 08 18:11	20° \mathbb{Z} 05'02	3°11'39
min. Earth dist.	6621 May 29 02:02	4° \mathbb{I} 21'56	0.60531 AU	minimum elong	6622 May 08 20:14	19° \mathbb{Z} 59'35	3°11'19
morning rise	6621 Jun 01 17:17	1° \mathbb{I} 32'29		min. Earth dist.	6622 May 11 13:17	17° \mathbb{Z} 06'46	0.62711 AU
desc. node	6621 Jun 04 19:50	0° \mathbb{I} 00'44		morning rise	6622 May 15 01:05	13° \mathbb{Z} 57'56	
	6621 Jun 04 20:42	30° \mathbb{R} \mathbb{Z}		direct	6622 May 21 20:29	11° \mathbb{Z} 24'55	
direct	6621 Jun 08 07:20	29° \mathbb{Z} 25'24		desc. node	6622 May 22 16:52	11° \mathbb{Z} 27'09	
	6621 Jun 11 20:52	0° \mathbb{I}		morning max el	6622 Jun 04 21:39	19° \mathbb{Z} 27'04	27°51'44
morning max el	6621 Jun 22 14:53	7° \mathbb{I} 21'48	27°46'47		6622 Jun 13 20:48	0° \mathbb{I}	
	6621 Jul 09 18:28	0° \mathbb{Z}			6622 Jul 02 16:59	0° \mathbb{Z}	
morning set	6621 Jul 25 01:08	28° \mathbb{Z} 06'50		morning set	6622 Jul 09 00:42	12° \mathbb{Z} 13'37	
	6621 Jul 25 22:51	0° \mathbb{Q}		asc. node	6622 Jul 14 02:56	22° \mathbb{Z} 49'49	
asc. node	6621 Jul 27 05:54	2° \mathbb{Q} 44'01		max. Earth dist.	6622 Jul 14 09:57	23° \mathbb{Z} 27'21	1.32421 AU
max. Earth dist.	6621 Jul 31 03:57	11° \mathbb{Q} 13'21	1.31898 AU				
superior conj	6621 Aug 01 07:08	13° \mathbb{Q} 42'53	0°50'10	superior conj	6622 Jul 16 15:52	28° \mathbb{Z} 18'17	0°25'57
minimum elong	6621 Aug 01 05:09	13° \mathbb{Q} 31'59	0°49'45	minimum elong	6622 Jul 16 14:41	28° \mathbb{Z} 11'50	0°25'39
evening rise	6621 Aug 08 01:51	28° \mathbb{Q} 33'08			6622 Jul 17 10:34	0° \mathbb{Q}	
	6621 Aug 08 18:11	0° \mathbb{P}		evening rise	6622 Jul 23 13:34	13° \mathbb{Q} 17'59	
	6621 Aug 25 10:12	0° \mathbb{A}			6622 Jul 31 22:26	0° \mathbb{P}	
desc. node	6621 Aug 31 19:02	8° \mathbb{A} 11'30		evening max el	6622 Aug 16 15:06	22° \mathbb{P} 07'01	23°50'36
evening max el	6621 Sep 04 02:41	11° \mathbb{A} 39'15	25°24'01	desc. node	6622 Aug 18 16:05	23° \mathbb{P} 57'32	
retrograde	6621 Sep 18 00:47	18° \mathbb{A} 42'20		retrograde	6622 Aug 30 07:32	28° \mathbb{P} 59'08	
evening set	6621 Sep 23 22:29	17° \mathbb{A} 21'49		evening set	6622 Sep 03 19:32	28° \mathbb{P} 14'34	
				min. Earth dist.	6622 Sep 10 01:26	25° \mathbb{P} 13'37	0.56024 AU

inferior conj	6622 Sep 12 07:03	23° \mathbb{M} 52'21	-5°23'20			6623 Jul 26 21:47	0° \mathbb{M}	
minimum elong	6622 Sep 12 04:37	23° \mathbb{M} 56'05	5°23'12	evening max el		6623 Jul 29 05:01	2° \mathbb{M} 26'04	22°12'40
morning rise	6622 Sep 20 16:02	19° \mathbb{M} 56'17		desc. node		6623 Aug 05 13:07	7° \mathbb{M} 38'19	
direct	6622 Sep 23 10:55	19° \mathbb{M} 36'36		retrograde		6623 Aug 11 01:55	8° \mathbb{M} 49'44	
morning max el	6622 Oct 03 15:30	24° \mathbb{M} 22'21	20°00'49	evening set		6623 Aug 14 02:16	8° \mathbb{M} 29'37	
	6622 Oct 08 12:50	0° \mathbb{L}		min. Earth dist.		6623 Aug 22 10:53	4° \mathbb{M} 52'28	0.54960 AU
asc. node	6622 Oct 10 02:16	2° \mathbb{L} 12'50		inferior conj		6623 Aug 23 06:01	4° \mathbb{M} 25'33	-4°39'10
morning set	6622 Oct 21 17:26	23° \mathbb{L} 22'42		minimum elong		6623 Aug 22 21:37	4° \mathbb{M} 37'23	4°37'24
	6622 Oct 24 23:11	0° \mathbb{M}		morning rise		6623 Aug 31 18:35	0° \mathbb{M} 36'24	
				direct		6623 Sep 04 00:49	0° \mathbb{M} 12'36	
superior conj	6622 Oct 29 10:45	9° \mathbb{M} 05'50	1°37'05	morning max el		6623 Sep 15 19:15	5° \mathbb{M} 43'23	21°26'27
minimum elong	6622 Oct 29 12:32	9° \mathbb{M} 14'43	1°37'01	asc. node		6623 Sep 26 23:17	20° \mathbb{M} 34'38	
max. Earth dist.	6622 Nov 04 03:24	20° \mathbb{M} 11'17	1.36961 AU			6623 Oct 02 02:04	0° \mathbb{L}	
evening rise	6622 Nov 07 22:24	27° \mathbb{M} 11'43		morning set		6623 Oct 06 02:22	8° \mathbb{L} 08'41	
	6622 Nov 09 12:01	0° \mathbb{X}						
desc. node	6622 Nov 14 15:13	8° \mathbb{X} 49'17		superior conj		6623 Oct 13 08:52	23° \mathbb{L} 25'12	1°42'18
	6622 Nov 28 10:50	0° \mathbb{Z}		minimum elong		6623 Oct 13 09:12	23° \mathbb{L} 26'56	1°42'20
evening max el	6622 Dec 13 14:29	18° \mathbb{Z} 26'39	25°40'43			6623 Oct 16 13:46	0° \mathbb{M}	
retrograde	6622 Dec 25 22:35	25° \mathbb{Z} 30'54		max. Earth dist.		6623 Oct 17 14:29	2° \mathbb{M} 04'17	1.35113 AU
evening set	6622 Dec 31 22:14	23° \mathbb{Z} 02'42		evening rise		6623 Oct 21 19:59	10° \mathbb{M} 19'11	
min. Earth dist.	6623 Jan 05 06:28	18° \mathbb{Z} 19'33	0.67172 AU	desc. node		6623 Nov 01 12:16	29° \mathbb{M} 11'11	
asc. node	6623 Jan 06 01:31	17° \mathbb{Z} 19'02				6623 Nov 02 00:13	0° \mathbb{X}	
inferior conj	6623 Jan 06 14:31	16° \mathbb{Z} 37'33	0°10'57			6623 Nov 24 00:14	0° \mathbb{Z}	
minimum elong	6623 Jan 06 14:14	16° \mathbb{Z} 38'27	0°10'53	evening max el		6623 Nov 26 03:35	2° \mathbb{Z} 09'19	26°39'42
transit middle	6623 Jan 06 14:14	16° \mathbb{Z} 38'27	0°10'53	retrograde		6623 Dec 09 04:06	9° \mathbb{Z} 25'10	
transit begin	6623 Jan 06 12:10	16° \mathbb{Z} 45'05		evening set		6623 Dec 15 16:07	6° \mathbb{Z} 49'03	
transit end	6623 Jan 06 16:19	16° \mathbb{Z} 31'49		min. Earth dist.		6623 Dec 19 17:58	2° \mathbb{Z} 40'47	0.66107 AU
morning rise	6623 Jan 12 06:41	10° \mathbb{Z} 44'49		inferior conj		6623 Dec 21 13:29	0° \mathbb{Z} 31'48	-0°48'20
direct	6623 Jan 15 14:08	9° \mathbb{Z} 41'51		minimum elong		6623 Dec 21 14:50	0° \mathbb{Z} 27'46	0°47'43
morning max el	6623 Jan 22 12:30	13° \mathbb{Z} 31'30	19°05'34			6623 Dec 22 00:13	30° \mathbb{R} \mathbb{X}	
	6623 Feb 03 21:14	0° \mathbb{A}		asc. node		6623 Dec 23 22:33	27° \mathbb{X} 49'34	
greatest brilliancy	6623 Feb 05 09:00	2° \mathbb{A} 15'21	-0.8m	morning rise		6623 Dec 27 14:24	24° \mathbb{X} 49'41	
desc. node	6623 Feb 10 14:29	10° \mathbb{A} 17'18		direct		6623 Dec 30 12:00	24° \mathbb{X} 02'50	
morning set	6623 Feb 14 13:41	16° \mathbb{A} 26'16		morning max el		6624 Jan 06 01:00	27° \mathbb{X} 34'43	18°22'48
	6623 Feb 23 06:40	0° \mathbb{H}				6624 Jan 08 05:48	0° \mathbb{Z}	
max. Earth dist.	6623 Feb 28 14:57	8° \mathbb{H} 22'38	1.45062 AU	morning set		6624 Jan 25 17:48	26° \mathbb{Z} 24'03	
						6624 Jan 27 23:49	0° \mathbb{A}	
superior conj	6623 Mar 03 05:16	12° \mathbb{H} 28'18	-1°56'09	desc. node		6624 Jan 28 11:29	0° \mathbb{A} 46'37	
minimum elong	6623 Mar 02 21:29	11° \mathbb{H} 57'33	1°55'38					
	6623 Mar 14 03:47	0° \mathbb{Y}		superior conj		6624 Feb 10 09:03	21° \mathbb{A} 10'01	-1°23'00
evening rise	6623 Mar 17 23:02	6° \mathbb{Y} 12'36		minimum elong		6624 Feb 09 23:51	20° \mathbb{A} 33'57	1°21'57
	6623 Apr 01 22:05	0° \mathbb{B}		max. Earth dist.		6624 Feb 11 09:49	22° \mathbb{A} 47'02	1.45425 AU
asc. node	6623 Apr 04 00:44	2° \mathbb{B} 50'08				6624 Feb 16 00:26	0° \mathbb{H}	
evening max el	6623 Apr 06 20:20	6° \mathbb{B} 03'56	18°29'01	evening rise		6624 Feb 26 08:47	16° \mathbb{H} 13'42	
retrograde	6623 Apr 13 08:05	9° \mathbb{B} 35'43				6624 Mar 06 03:15	0° \mathbb{Y}	
evening set	6623 Apr 16 10:54	8° \mathbb{B} 41'33		greatest brilliancy		6624 Mar 07 17:12	2° \mathbb{Y} 27'11	-0.8m
inferior conj	6623 Apr 22 05:38	3° \mathbb{B} 10'37	3°27'03	evening max el		6624 Mar 20 05:51	19° \mathbb{Y} 36'34	19°06'30
minimum elong	6623 Apr 22 06:10	3° \mathbb{B} 09'01	3°26'59	asc. node		6624 Mar 20 21:45	20° \mathbb{Y} 15'38	
min. Earth dist.	6623 Apr 24 09:47	0° \mathbb{B} 36'49	0.64638 AU	retrograde		6624 Mar 27 03:37	23° \mathbb{Y} 30'07	
	6623 Apr 24 22:44	30° \mathbb{R} \mathbb{Y}		evening set		6624 Mar 30 13:44	22° \mathbb{Y} 22'00	
morning rise	6623 Apr 28 00:38	26° \mathbb{Y} 56'48		inferior conj		6624 Apr 05 02:12	16° \mathbb{Y} 34'47	3°25'55
direct	6623 May 04 17:45	24° \mathbb{Y} 09'56		minimum elong		6624 Apr 05 01:25	16° \mathbb{Y} 37'16	3°25'51
desc. node	6623 May 09 13:52	25° \mathbb{Y} 22'52		min. Earth dist.		6624 Apr 06 14:50	14° \mathbb{Y} 37'53	0.66187 AU
	6623 May 16 02:24	0° \mathbb{B}		morning rise		6624 Apr 10 12:43	10° \mathbb{Y} 18'48	
morning max el	6623 May 18 07:15	2° \mathbb{B} 06'39	27°21'06	direct		6624 Apr 16 21:35	7° \mathbb{Y} 31'16	
	6623 Jun 08 02:15	0° \mathbb{I}		desc. node		6624 Apr 25 10:51	11° \mathbb{Y} 16'41	
morning set	6623 Jun 22 15:42	25° \mathbb{I} 52'36		morning max el		6624 Apr 29 17:15	15° \mathbb{Y} 08'46	26°21'34
	6623 Jun 24 17:44	0° \mathbb{E}				6624 May 11 21:18	0° \mathbb{B}	
max. Earth dist.	6623 Jun 27 07:49	5° \mathbb{E} 15'25	1.33411 AU			6624 May 30 21:32	0° \mathbb{I}	
				morning set		6624 Jun 04 18:32	8° \mathbb{I} 52'38	
superior conj	6623 Jun 30 20:10	12° \mathbb{E} 36'42	-0°01'39	max. Earth dist.		6624 Jun 08 18:55	16° \mathbb{I} 34'33	1.34880 AU
minimum elong	6623 Jun 30 20:15	12° \mathbb{E} 37'10	0°01'40					
behind sun begin	6623 Jun 30 14:46	12° \mathbb{E} 08'07		superior conj		6624 Jun 13 17:35	26° \mathbb{I} 30'11	-0°31'35
behind sun end	6623 Jul 01 01:44	13° \mathbb{E} 06'14		minimum elong		6624 Jun 13 19:22	26° \mathbb{I} 39'16	0°31'17
asc. node	6623 Jun 30 23:58	12° \mathbb{E} 56'53				6624 Jun 15 10:17	0° \mathbb{E}	
evening rise	6623 Jul 08 00:48	27° \mathbb{E} 57'59		asc. node		6624 Jun 16 20:59	3° \mathbb{E} 00'22	
	6623 Jul 09 00:02	0° \mathbb{Q}		evening rise		6624 Jun 21 09:29	12° \mathbb{E} 25'56	

	6624 Jun 30 12:38	0°♎			6625 Jun 07 06:16	0°♏	
evening max el	6624 Jul 10 04:13	13°♎07'42	20°44'34	evening max el	6625 Jun 22 16:12	24°♏30'19	19°34'28
retrograde	6624 Jul 21 13:58	18°♎45'04		retrograde	6625 Jul 02 08:46	29°♏16'01	
desc. node	6624 Jul 22 10:09	18°♎43'19		evening set	6625 Jul 04 06:02	29°♏05'59	
evening set	6624 Jul 23 16:20	18°♎34'26		desc. node	6625 Jul 09 07:09	27°♏14'00	
inferior conj	6624 Aug 01 22:49	14°♎37'31	-3°05'01	inferior conj	6625 Jul 13 00:12	25°♏01'18	-1°07'22
minimum elong	6624 Aug 01 14:37	14°♎49'12	3°02'20	minimum elong	6625 Jul 12 21:09	25°♏06'09	1°06'15
min. Earth dist.	6624 Aug 02 20:57	14°♎05'56	0.54793 AU	min. Earth dist.	6625 Jul 15 09:33	23°♏30'42	0.55576 AU
morning rise	6624 Aug 10 12:42	10°♎36'17		morning rise	6625 Jul 21 09:52	20°♏29'24	
direct	6624 Aug 14 09:43	10°♎04'05		direct	6625 Jul 26 02:00	19°♏40'39	
morning max el	6624 Aug 27 12:36	16°♎22'09	23°07'34	morning max el	6625 Aug 09 01:44	26°♏40'30	24°51'59
	6624 Sep 07 07:42	0°♐			6625 Aug 12 06:43	0°♎	
asc. node	6624 Sep 12 20:17	9°♐31'50		asc. node	6625 Aug 30 17:19	28°♎55'32	
morning set	6624 Sep 19 13:32	22°♐59'33			6625 Aug 31 06:15	0°♐	
	6624 Sep 22 20:09	0°♑		morning set	6625 Sep 04 01:15	7°♐50'34	
superior conj	6624 Sep 26 13:46	8°♑03'01	1°40'39	superior conj	6625 Sep 10 22:58	22°♐51'48	1°33'01
minimum elong	6624 Sep 26 12:52	7°♑58'11	1°40'37	minimum elong	6625 Sep 10 21:11	22°♐42'04	1°32'50
max. Earth dist.	6624 Sep 29 10:04	14°♑05'37	1.33636 AU	max. Earth dist.	6625 Sep 12 13:37	26°♐22'31	1.32583 AU
evening rise	6624 Oct 04 07:03	24°♑03'12			6625 Sep 14 05:55	0°♑	
	6624 Oct 07 08:38	0°♒		evening rise	6625 Sep 18 04:06	8°♑14'26	
desc. node	6624 Oct 18 09:19	19°♒13'36			6625 Sep 29 18:51	0°♒	
	6624 Oct 25 14:02	0°♓		desc. node	6625 Oct 05 06:21	8°♒48'19	
evening max el	6624 Nov 07 16:21	15°♓38'43	27°17'32	evening max el	6625 Oct 21 02:51	28°♒41'44	27°27'32
retrograde	6624 Nov 21 03:29	22°♓57'09			6625 Oct 22 13:11	0°♓	
evening set	6624 Nov 28 01:35	20°♓19'22		retrograde	6625 Nov 03 20:19	5°♓57'46	
min. Earth dist.	6624 Dec 01 21:44	16°♓45'26	0.64691 AU	evening set	6625 Nov 10 23:43	3°♓27'22	
inferior conj	6624 Dec 04 05:02	14°♓15'42	-1°52'25	min. Earth dist.	6625 Nov 14 15:48	0°♓24'04	0.62955 AU
minimum elong	6624 Dec 04 08:23	14°♓06'35	1°51'01		6625 Nov 15 01:57	30°♒♒	
asc. node	6624 Dec 09 19:34	9°♓14'03		inferior conj	6625 Nov 17 10:26	27°♒42'16	-2°58'51
morning rise	6624 Dec 10 16:31	8°♓47'17		minimum elong	6625 Nov 17 15:49	27°♒29'08	2°56'51
direct	6624 Dec 13 06:22	8°♓12'45		morning rise	6625 Nov 24 09:44	22°♒30'57	
morning max el	6624 Dec 19 17:17	11°♓37'02	17°57'00	direct	6625 Nov 26 18:18	22°♒05'04	
	6625 Jan 01 10:59	0°♈		asc. node	6625 Nov 26 16:36	22°♒05'06	
morning set	6625 Jan 06 03:31	7°♈50'00		morning max el	6625 Dec 03 10:20	25°♒30'45	17°48'42
desc. node	6625 Jan 14 08:31	21°♈25'41			6625 Dec 07 04:33	0°♓	
				morning set	6625 Dec 19 13:36	20°♓25'56	
superior conj	6625 Jan 19 21:14	0°♏21'55	-0°38'31		6625 Dec 25 01:07	0°♈	
minimum elong	6625 Jan 19 16:40	0°♏03'37	0°37'49	superior conj	6625 Dec 31 08:21	10°♈42'04	0°06'21
	6625 Jan 19 15:46	0°♏		minimum elong	6625 Dec 31 09:00	10°♈44'47	0°06'18
max. Earth dist.	6625 Jan 24 05:41	7°♏16'39	1.45038 AU	behind sun begin	6625 Dec 31 00:26	10°♈09'03	
evening rise	6625 Feb 05 00:46	25°♏37'43		behind sun end	6625 Dec 31 17:34	11°♈20'25	
	6625 Feb 07 21:06	0°♉		desc. node	6626 Jan 01 05:32	12°♈10'11	
greatest brilliancy	6625 Feb 19 13:00	17°♉35'30	-0.6m	max. Earth dist.	6626 Jan 06 22:57	21°♈30'48	1.43953 AU
	6625 Feb 28 14:19	0°♊			6626 Jan 12 07:25	0°♏	
evening max el	6625 Mar 03 10:41	3°♊12'00	19°59'50	evening rise	6626 Jan 15 11:42	4°♏56'30	
asc. node	6625 Mar 07 18:46	6°♊41'22			6626 Feb 01 06:58	0°♉	
retrograde	6625 Mar 11 01:39	7°♊37'28		evening max el	6626 Feb 14 09:58	16°♉48'16	21°06'28
evening set	6625 Mar 14 20:01	6°♊14'49		retrograde	6626 Feb 22 23:58	21°♉52'42	
inferior conj	6625 Mar 20 05:00	0°♊13'12	3°11'49	asc. node	6626 Feb 22 15:49	21°♉52'05	
minimum elong	6625 Mar 20 03:16	0°♊19'02	3°11'34	evening set	6626 Feb 27 03:49	20°♉15'06	
	6625 Mar 20 08:55	30°♒♉		inferior conj	6626 Mar 04 11:34	14°♉01'41	2°47'09
min. Earth dist.	6625 Mar 21 03:04	28°♉58'57	0.67305 AU	minimum elong	6626 Mar 04 09:19	14°♉09'26	2°46'38
morning rise	6625 Mar 25 10:17	23°♉57'37		min. Earth dist.	6626 Mar 04 20:27	13°♉30'54	0.67987 AU
direct	6625 Mar 31 07:06	21°♉20'21		morning rise	6626 Mar 09 14:38	7°♉48'08	
morning max el	6625 Apr 12 02:29	28°♉24'15	25°02'23	direct	6626 Mar 14 21:32	5°♉28'33	
desc. node	6625 Apr 12 07:51	28°♉37'55		morning max el	6626 Mar 25 11:33	11°♉46'46	23°33'42
	6625 Apr 13 15:05	0°♊		desc. node	6626 Mar 30 04:52	17°♉01'48	
	6625 May 05 15:14	0°♋			6626 Apr 09 00:54	0°♊	
morning set	6625 May 18 04:40	21°♋01'46		morning set	6626 Apr 28 10:48	0°♋	
max. Earth dist.	6625 May 21 19:53	27°♋38'22	1.36775 AU	max. Earth dist.	6626 Apr 29 16:28	2°♋04'59	
	6625 May 23 02:16	0°♌			6626 May 03 15:33	8°♋54'54	1.38947 AU
superior conj	6625 May 28 05:15	9°♌51'18	-1°02'23	superior conj	6626 May 11 03:24	22°♋30'29	-1°31'37
minimum elong	6625 May 28 08:53	10°♌09'11	1°01'48	minimum elong	6626 May 11 08:31	22°♋54'28	1°30'59
asc. node	6625 Jun 03 18:00	22°♌56'35			6626 May 15 02:05	0°♌	
evening rise	6625 Jun 05 13:24	26°♌35'34					

evening rise	6626 May 20 09:45	10° Π 18'59		minimum elong	6627 Apr 23 12:39	4° \mathcal{B} 40'24	1°55'15
asc. node	6626 May 21 15:02	12° Π 40'51		evening rise	6627 May 03 19:04	23° \mathcal{B} 27'42	
	6626 May 31 09:29	0° \mathcal{E}			6627 May 07 07:52	0° Π	
evening max el	6626 Jun 05 15:40	6° \mathcal{E} 35'01	18°44'52	asc. node	6627 May 08 12:05	2° Π 08'22	
retrograde	6626 Jun 13 20:00	10° \mathcal{E} 37'17		evening max el	6627 May 19 23:17	19° Π 14'42	18°15'37
evening set	6626 Jun 15 21:48	10° \mathcal{E} 22'39		retrograde	6627 May 27 02:01	22° Π 48'36	
inferior conj	6626 Jun 23 20:37	6° \mathcal{E} 01'01	0°40'47	evening set	6627 May 29 11:11	22° Π 25'27	
minimum elong	6626 Jun 23 22:09	5° \mathcal{E} 58'11	0°40'11	inferior conj	6627 Jun 05 14:43	17° Π 43'33	2°01'45
desc. node	6626 Jun 26 04:09	4° \mathcal{E} 18'20		minimum elong	6627 Jun 05 17:58	17° Π 36'32	2°00'45
min. Earth dist.	6626 Jun 27 02:17	3° \mathcal{E} 38'40	0.57159 AU	min. Earth dist.	6627 Jun 09 00:38	14° Π 48'11	0.59245 AU
morning rise	6626 Jul 01 19:03	0° \mathcal{E} 52'05		morning rise	6627 Jun 12 21:43	12° Π 04'04	
	6626 Jul 04 06:06	30° \mathcal{R} Π		desc. node	6627 Jun 13 01:12	11° Π 59'10	
direct	6626 Jul 07 08:33	29° Π 36'09		direct	6627 Jun 19 05:10	10° Π 14'56	
	6626 Jul 10 11:42	0° \mathcal{E}		morning max el	6627 Jul 03 14:16	18° Π 04'58	27°26'39
morning max el	6626 Jul 21 17:06	7° \mathcal{E} 07'07	26°23'19		6627 Jul 13 13:19	0° \mathcal{E}	
	6626 Aug 07 16:57	0° \mathcal{Q}			6627 Jul 31 07:16	0° \mathcal{Q}	
asc. node	6626 Aug 17 14:22	18° \mathcal{Q} 38'20		morning set	6627 Aug 03 19:49	7° \mathcal{Q} 11'46	
morning set	6626 Aug 19 11:56	22° \mathcal{Q} 36'38		asc. node	6627 Aug 04 11:23	8° \mathcal{Q} 33'42	
	6626 Aug 22 22:05	0° \mathcal{M}					
superior conj	6626 Aug 26 10:23	7° \mathcal{M} 44'55	1°20'04	superior conj	6627 Aug 10 22:09	22° \mathcal{Q} 35'28	1°02'22
minimum elong	6626 Aug 26 08:10	7° \mathcal{M} 32'38	1°19'45	minimum elong	6627 Aug 10 19:56	22° \mathcal{Q} 23'15	1°01'57
max. Earth dist.	6626 Aug 26 22:29	8° \mathcal{M} 51'47	1.31964 AU	max. Earth dist.	6627 Aug 10 09:12	21° \mathcal{Q} 23'51	1.31790 AU
evening rise	6626 Sep 02 08:11	22° \mathcal{M} 44'30			6627 Aug 14 06:37	0° \mathcal{M}	
	6626 Sep 05 21:17	0° \mathcal{A}		evening rise	6627 Aug 17 16:50	7° \mathcal{M} 25'19	
desc. node	6626 Sep 22 03:22	27° \mathcal{A} 44'11			6627 Aug 29 09:39	0° \mathcal{A}	
	6626 Sep 23 18:36	0° \mathcal{M}		desc. node	6627 Sep 09 00:25	15° \mathcal{A} 44'42	
evening max el	6626 Oct 03 08:46	11° \mathcal{M} 06'35	27°05'09	evening max el	6627 Sep 15 07:43	22° \mathcal{A} 42'59	26°09'27
retrograde	6626 Oct 17 05:58	18° \mathcal{M} 18'05		retrograde	6627 Sep 29 06:33	29° \mathcal{A} 49'11	
evening set	6626 Oct 24 06:46	16° \mathcal{M} 06'34		evening set	6627 Oct 05 17:46	28° \mathcal{A} 08'10	
min. Earth dist.	6626 Oct 27 23:19	13° \mathcal{M} 25'00	0.60971 AU	min. Earth dist.	6627 Oct 09 20:48	25° \mathcal{A} 33'26	0.58889 AU
inferior conj	6626 Oct 31 02:30	10° \mathcal{M} 43'59	-4°02'53	inferior conj	6627 Oct 13 01:39	23° \mathcal{A} 10'11	-4°56'12
minimum elong	6626 Oct 31 09:13	10° \mathcal{M} 29'34	4°00'57	minimum elong	6627 Oct 13 07:34	22° \mathcal{A} 59'05	4°55'09
morning rise	6626 Nov 07 13:50	5° \mathcal{M} 52'47		morning rise	6627 Oct 20 23:38	18° \mathcal{A} 41'22	
direct	6626 Nov 09 20:07	5° \mathcal{M} 32'13		direct	6627 Oct 23 07:34	18° \mathcal{A} 23'03	
asc. node	6626 Nov 13 13:40	6° \mathcal{M} 30'42		asc. node	6627 Oct 31 10:43	22° \mathcal{A} 21'01	
morning max el	6626 Nov 17 00:56	9° \mathcal{M} 08'02	17°58'51	morning max el	6627 Oct 31 09:28	22° \mathcal{A} 17'58	18°29'02
	6626 Nov 30 15:00	0° \mathcal{X}			6627 Nov 06 10:44	0° \mathcal{M}	
morning set	6626 Dec 02 17:39	3° \mathcal{X} 52'50		morning set	6627 Nov 16 10:14	17° \mathcal{M} 54'28	
					6627 Nov 22 17:33	0° \mathcal{X}	
superior conj	6626 Dec 12 21:30	22° \mathcal{X} 17'39	0°44'06	superior conj	6627 Nov 25 08:56	4° \mathcal{X} 56'54	1°12'09
minimum elong	6626 Dec 13 00:49	22° \mathcal{X} 32'09	0°43'41	minimum elong	6627 Nov 25 12:31	5° \mathcal{X} 13'31	1°11'46
	6626 Dec 17 08:36	0° \mathcal{Z}		max. Earth dist.	6627 Dec 02 19:15	18° \mathcal{X} 16'21	1.40296 AU
desc. node	6626 Dec 19 02:35	2° \mathcal{Z} 56'56		desc. node	6627 Dec 05 23:36	23° \mathcal{X} 41'54	
max. Earth dist.	6626 Dec 20 11:27	5° \mathcal{Z} 13'49	1.42308 AU	evening rise	6627 Dec 07 02:39	25° \mathcal{X} 34'52	
evening rise	6626 Dec 26 09:02	14° \mathcal{Z} 47'53			6627 Dec 09 19:14	0° \mathcal{Z}	
	6627 Jan 05 06:06	0° \mathcal{A}			6627 Dec 30 00:02	0° \mathcal{A}	
	6627 Jan 27 17:50	0° \mathcal{H}		evening max el	6628 Jan 10 19:00	14° \mathcal{A} 08'26	23°42'31
evening max el	6627 Jan 28 04:14	0° \mathcal{H} 26'35	22°22'29	retrograde	6628 Jan 21 14:22	20° \mathcal{A} 30'45	
retrograde	6627 Feb 06 20:42	6° \mathcal{H} 11'50		evening set	6628 Jan 26 17:25	18° \mathcal{A} 23'03	
asc. node	6627 Feb 09 12:52	5° \mathcal{H} 34'52		asc. node	6628 Jan 27 09:56	17° \mathcal{A} 45'50	
evening set	6627 Feb 11 11:29	4° \mathcal{H} 19'06		min. Earth dist.	6628 Jan 31 13:28	12° \mathcal{A} 45'41	0.68132 AU
	6627 Feb 15 08:04	30° \mathcal{R} \mathcal{A}		inferior conj	6628 Feb 01 03:55	11° \mathcal{A} 56'25	1°31'37
inferior conj	6627 Feb 16 19:50	27° \mathcal{A} 57'07	2°13'26	minimum elong	6628 Feb 01 02:00	12° \mathcal{A} 02'55	1°30'56
minimum elong	6627 Feb 16 17:32	28° \mathcal{A} 05'08	2°12'44	morning rise	6628 Feb 06 10:33	5° \mathcal{A} 51'42	
min. Earth dist.	6627 Feb 16 16:43	28° \mathcal{A} 07'58	0.68256 AU	direct	6628 Feb 10 13:20	4° \mathcal{A} 16'19	
morning rise	6627 Feb 21 23:26	21° \mathcal{A} 47'09		morning max el	6628 Feb 18 17:06	8° \mathcal{A} 56'51	20°44'55
direct	6627 Feb 26 16:00	19° \mathcal{A} 49'10		desc. node	6628 Mar 02 22:55	25° \mathcal{A} 52'14	
morning max el	6627 Mar 07 23:15	25° \mathcal{A} 16'30	22°05'16		6628 Mar 05 19:18	0° \mathcal{H}	
	6627 Mar 12 05:21	0° \mathcal{H}		morning set	6628 Mar 19 07:12	20° \mathcal{H} 25'26	
desc. node	6627 Mar 17 01:54	6° \mathcal{H} 10'46			6628 Mar 25 08:46	0° \mathcal{Y}	
	6627 Apr 02 12:27	0° \mathcal{Y}		max. Earth dist.	6628 Mar 27 18:07	3° \mathcal{Y} 50'56	1.43091 AU
morning set	6627 Apr 10 00:48	11° \mathcal{Y} 50'13					
max. Earth dist.	6627 Apr 15 13:15	20° \mathcal{Y} 54'37	1.41148 AU	superior conj	6628 Apr 03 12:56	15° \mathcal{Y} 02'40	-2°09'17
	6627 Apr 20 20:54	0° \mathcal{B}		minimum elong	6628 Apr 03 15:01	15° \mathcal{Y} 11'23	2°09'15
					6628 Apr 12 05:23	0° \mathcal{B}	
superior conj	6627 Apr 23 07:32	4° \mathcal{B} 17'42	-1°55'37	evening rise	6628 Apr 15 13:06	5° \mathcal{B} 52'11	

asc. node	6628 Apr 24 09:07	21°♄13'17			6629 Mar 17 23:59	0°♄	
	6628 Apr 30 09:00	0°♄		evening rise	6629 Mar 28 11:14	17°♄22'28	
evening max el	6628 May 02 11:20	2°♄19'42	18°06'00		6629 Apr 04 23:40	0°♄	
retrograde	6628 May 09 00:13	5°♄41'29		asc. node	6629 Apr 11 06:10	9°♄47'15	
evening set	6628 May 11 16:31	5°♄07'17		evening max el	6629 Apr 16 00:25	15°♄39'54	18°15'17
inferior conj	6628 May 18 04:07	0°♄05'01	2°53'26	retrograde	6629 Apr 22 09:55	19°♄04'21	
minimum elong	6628 May 18 06:54	29°♄58'06	2°52'49	evening set	6629 Apr 25 08:54	18°♄17'39	
	6628 May 18 06:08	30°♄		inferior conj	6629 May 01 08:40	12°♄56'28	3°20'29
min. Earth dist.	6628 May 21 06:31	27°♄01'20	0.61480 AU	minimum elong	6629 May 01 10:04	12°♄52'32	3°20'18
morning rise	6628 May 24 19:18	24°♄05'33		min. Earth dist.	6629 May 03 21:29	10°♄06'59	0.63574 AU
desc. node	6628 May 29 22:13	21°♄53'52		morning rise	6629 May 07 10:07	6°♄45'54	
direct	6628 May 31 12:51	21°♄46'05		direct	6629 May 14 05:19	4°♄05'44	
morning max el	6628 Jun 14 17:50	29°♄45'27	27°53'33	desc. node	6629 May 16 19:14	4°♄26'23	
	6628 Jun 14 23:38	0°♄		morning max el	6629 May 28 02:07	12°♄06'13	27°42'48
	6628 Jul 06 13:27	0°♄			6629 Jun 11 07:22	0°♄	
morning set	6628 Jul 17 23:02	21°♄30'41			6629 Jun 29 00:39	0°♄	
asc. node	6628 Jul 21 08:25	28°♄37'01		morning set	6629 Jul 01 19:16	5°♄25'56	
	6628 Jul 21 23:55	0°♄		max. Earth dist.	6629 Jul 06 21:15	15°♄52'37	1.32789 AU
max. Earth dist.	6628 Jul 23 18:06	3°♄48'12	1.32064 AU	asc. node	6629 Jul 08 05:25	18°♄43'18	
superior conj	6628 Jul 25 08:30	7°♄18'06	0°40'22	superior conj	6629 Jul 09 15:33	21°♄46'17	0°14'37
minimum elong	6628 Jul 25 06:48	7°♄08'45	0°39'59	minimum elong	6629 Jul 09 14:51	21°♄42'28	0°14'25
evening rise	6628 Aug 01 04:00	22°♄10'42		behind sun begin	6629 Jul 09 12:32	21°♄30'02	
	6628 Aug 04 22:05	0°♄		behind sun end	6629 Jul 09 17:09	21°♄54'55	
	6628 Aug 23 14:50	0°♄			6629 Jul 13 10:46	0°♄	
desc. node	6628 Aug 25 21:26	2°♄27'48		evening rise	6629 Jul 16 15:43	6°♄53'48	
evening max el	6628 Aug 26 23:07	3°♄31'18	24°46'01		6629 Jul 28 19:16	0°♄	
retrograde	6628 Sep 09 19:47	10°♄30'15		evening max el	6629 Aug 08 10:56	13°♄49'47	23°08'27
evening set	6628 Sep 15 04:23	9°♄25'51		desc. node	6629 Aug 12 18:27	17°♄24'09	
min. Earth dist.	6628 Sep 20 10:22	6°♄39'41	0.56956 AU	retrograde	6629 Aug 21 20:39	20°♄32'11	
inferior conj	6628 Sep 23 04:56	4°♄51'49	-5°24'57	evening set	6629 Aug 25 17:06	19°♄59'43	
minimum elong	6628 Sep 23 06:28	4°♄49'19	5°24'53	min. Earth dist.	6629 Sep 01 19:49	16°♄45'10	0.55476 AU
morning rise	6628 Oct 01 10:47	0°♄45'14		inferior conj	6629 Sep 03 12:30	15°♄46'04	-5°11'20
direct	6628 Oct 04 00:49	0°♄26'31		minimum elong	6629 Sep 03 07:04	15°♄53'59	5°10'40
morning max el	6628 Oct 13 08:24	4°♄50'25	19°20'55	morning rise	6629 Sep 11 23:16	11°♄55'20	
asc. node	6628 Oct 17 07:45	9°♄21'15		direct	6629 Sep 14 22:50	11°♄34'11	
	6628 Oct 29 07:20	0°♄		morning max el	6629 Sep 25 19:16	16°♄37'37	20°35'00
morning set	6628 Oct 30 11:22	2°♄19'23		asc. node	6629 Oct 04 04:46	27°♄16'37	
					6629 Oct 05 20:38	0°♄	
superior conj	6628 Nov 07 13:23	18°♄25'05	1°30'31	morning set	6629 Oct 14 18:05	16°♄59'21	
minimum elong	6628 Nov 07 15:58	18°♄37'41	1°30'21		6629 Oct 21 01:02	0°♄	
	6628 Nov 13 16:08	0°♄					
max. Earth dist.	6628 Nov 14 00:42	0°♄39'16	1.38156 AU	superior conj	6629 Oct 22 06:09	2°♄28'55	1°40'12
evening rise	6628 Nov 17 18:38	7°♄21'38		minimum elong	6629 Oct 22 07:18	2°♄34'48	1°40'12
desc. node	6628 Nov 21 20:38	14°♄21'23		max. Earth dist.	6629 Oct 27 08:18	12°♄36'32	1.36132 AU
	6628 Dec 01 17:08	0°♄		evening rise	6629 Oct 31 06:28	20°♄01'58	
evening max el	6628 Dec 23 08:08	27°♄53'33	25°00'01		6629 Nov 05 20:40	0°♄	
	6628 Dec 25 14:38	0°♄		desc. node	6629 Nov 08 17:39	4°♄51'04	
retrograde	6629 Jan 04 03:51	4°♄44'52			6629 Nov 25 17:42	0°♄	
evening set	6629 Jan 09 20:04	2°♄23'21		evening max el	6629 Dec 05 20:57	11°♄38'36	26°07'54
	6629 Jan 12 04:55	30°♄		retrograde	6629 Dec 18 12:29	18°♄48'54	
asc. node	6629 Jan 13 06:59	28°♄41'31		evening set	6629 Dec 24 17:44	16°♄16'26	
min. Earth dist.	6629 Jan 14 08:20	27°♄20'26	0.67634 AU	min. Earth dist.	6629 Dec 28 23:06	11°♄48'26	0.66765 AU
inferior conj	6629 Jan 15 09:56	25°♄56'26	0°42'23	inferior conj	6629 Dec 30 12:04	9°♄54'08	-0°13'29
minimum elong	6629 Jan 15 08:55	25°♄59'46	0°42'01	minimum elong	6629 Dec 30 12:25	9°♄53'01	0°13'17
morning rise	6629 Jan 20 22:00	19°♄58'51		transit middle	6629 Dec 30 12:25	9°♄53'01	0°13'17
direct	6629 Jan 24 12:07	18°♄44'49		transit begin	6629 Dec 30 10:48	9°♄58'01	
morning max el	6629 Jan 31 18:55	22°♄49'07	19°37'27	transit end	6629 Dec 30 14:02	9°♄48'01	
	6629 Feb 06 19:42	0°♄		asc. node	6629 Dec 31 04:01	9°♄05'03	
greatest brilliancy	6629 Feb 13 16:07	9°♄43'47	-0.7m	morning rise	6630 Jan 05 07:44	4°♄05'53	
desc. node	6629 Feb 17 19:55	15°♄57'04		direct	6630 Jan 08 10:47	3°♄10'15	
morning set	6629 Feb 26 04:01	28°♄41'29		morning max el	6630 Jan 15 04:13	6°♄50'44	18°45'26
	6629 Feb 27 00:23	0°♄			6630 Jan 31 16:10	0°♄	
max. Earth dist.	6629 Mar 10 06:35	17°♄35'41	1.44534 AU	desc. node	6630 Feb 04 16:56	6°♄19'10	
				morning set	6630 Feb 05 16:13	7°♄50'33	
superior conj	6629 Mar 14 17:01	24°♄40'33	-2°06'41		6630 Feb 19 19:37	0°♄	
minimum elong	6629 Mar 14 12:46	24°♄23'27	2°06'33	max. Earth dist.	6630 Feb 21 00:03	1°♄51'26	1.45310 AU

superior conj	6630 Feb 22 01:22	3° H 30'44	-1°44'09			6631 Jan 05 20:04	0° Z	
minimum elong	6630 Feb 21 16:04	2° H 54'15	1°43'19	morning set		6631 Jan 17 09:10	18° Z 26'37	
evening rise	6630 Mar 09 10:21	27° H 55'28		desc. node		6631 Jan 22 13:56	26° Z 52'52	
	6630 Mar 10 17:18	0° Y				6631 Jan 24 12:25	0° \approx	
greatest brilliancy	6630 Mar 16 09:40	9° Y 08'20	-0.9m					
asc. node	6630 Mar 29 03:11	27° Y 41'16		superior conj		6631 Feb 01 06:23	12° \approx 19'15	-1°04'53
evening max el	6630 Mar 30 11:51	29° Y 09'23	18°42'46	minimum elong		6631 Jan 31 22:42	11° \approx 48'56	1°03'52
	6630 Mar 31 08:53	0° Z		max. Earth dist.		6631 Feb 03 19:15	16° \approx 18'27	1.45347 AU
retrograde	6630 Apr 06 02:59	2° Z 49'20				6631 Feb 12 13:45	0° H	
evening set	6630 Apr 09 08:46	1° Z 49'21		evening rise		6631 Feb 17 11:25	7° H 37'27	
	6630 Apr 11 15:29	30° R Y		greatest brilliancy		6631 Mar 01 20:25	26° H 41'49	-0.7m
inferior conj	6630 Apr 15 00:26	26° Y 11'00	3°28'19			6631 Mar 04 01:33	0° Y	
minimum elong	6630 Apr 15 00:23	26° Y 11'10	3°28'18	evening max el		6631 Mar 13 19:30	12° Y 43'20	19°27'18
min. Earth dist.	6630 Apr 16 21:51	23° Y 51'54	0.65350 AU	asc. node		6631 Mar 16 00:14	14° Y 43'10	
morning rise	6630 Apr 20 15:25	19° Y 55'34		retrograde		6631 Mar 20 23:58	16° Y 49'44	
direct	6630 Apr 27 05:26	17° Y 07'08		evening set		6631 Mar 24 13:21	15° Y 35'42	
desc. node	6630 May 03 16:16	19° Y 16'20		inferior conj		6631 Mar 30 00:02	9° Y 42'08	3°21'20
morning max el	6630 May 10 12:27	24° Y 57'46	26°58'46	minimum elong		6631 Mar 29 22:48	9° Y 46'10	3°21'13
	6630 May 15 02:11	0° Z		min. Earth dist.		6631 Mar 31 06:23	8° Y 02'42	0.66718 AU
	6630 Jun 04 18:30	0° II		morning rise		6631 Apr 04 07:56	3° Y 25'46	
morning set	6630 Jun 15 05:33	18° II 49'25		direct		6631 Apr 10 11:58	0° Y 41'16	
max. Earth dist.	6630 Jun 19 14:54	27° II 28'20	1.33982 AU	desc. node		6631 Apr 20 13:16	5° Y 50'43	
	6630 Jun 20 20:45	0° S		morning max el		6631 Apr 22 22:17	8° Y 07'03	25°49'35
						6631 May 10 00:40	0° Z	
superior conj	6630 Jun 23 17:12	5° S 54'16	-0°14'08			6631 May 28 06:17	0° II	
minimum elong	6630 Jun 23 17:58	5° S 58'14	0°14'02	morning set		6631 May 29 02:00	1° II 30'05	
behind sun begin	6630 Jun 23 15:12	5° S 43'48		max. Earth dist.		6631 Jun 01 21:08	8° II 37'15	1.35637 AU
behind sun end	6630 Jun 23 20:43	6° S 12'41						
asc. node	6630 Jun 25 02:26	8° S 48'50		superior conj		6631 Jun 07 10:55	19° II 35'13	-0°44'40
evening rise	6630 Jul 01 02:06	21° S 28'56		minimum elong		6631 Jun 07 13:28	19° II 48'09	0°44'14
	6630 Jul 05 06:07	0° Q		asc. node		6631 Jun 11 23:27	28° II 49'47	
evening max el	6630 Jul 21 03:47	24° Q 13'44	21°33'15			6631 Jun 12 13:04	0° S	
desc. node	6630 Jul 30 15:29	0° P 00'54		evening rise		6631 Jun 15 09:05	5° S 49'59	
	6630 Jul 30 13:55	0° P				6631 Jun 28 22:11	0° Q	
retrograde	6630 Aug 02 11:35	0° P 20'08		evening max el		6631 Jul 03 08:28	5° Q 12'31	20°12'22
evening set	6630 Aug 05 00:10	0° P 05'37		retrograde		6631 Jul 14 00:59	10° Q 27'34	
	6630 Aug 05 11:08	30° R Q		evening set		6631 Jul 15 23:11	10° Q 18'06	
inferior conj	6630 Aug 14 07:03	26° Q 05'54	-4°04'14	desc. node		6631 Jul 17 12:31	9° Q 57'22	
minimum elong	6630 Aug 13 21:51	26° Q 18'48	4°01'46	inferior conj		6631 Jul 25 01:57	6° Q 19'52	-2°15'54
min. Earth dist.	6630 Aug 14 05:16	26° Q 08'25	0.54765 AU	minimum elong		6631 Jul 24 19:40	6° Q 29'10	2°13'39
morning rise	6630 Aug 22 20:37	22° Q 14'17		min. Earth dist.		6631 Jul 26 16:42	5° Q 22'35	0.55008 AU
direct	6630 Aug 26 08:20	21° Q 47'51		morning rise		6631 Aug 02 14:48	2° Q 06'53	
morning max el	6630 Sep 07 18:09	27° Q 39'00	22°08'21	direct		6631 Aug 06 19:23	1° Q 28'46	
	6630 Sep 10 01:57	0° P		morning max el		6631 Aug 20 09:00	8° Q 06'38	23°52'30
asc. node	6630 Sep 21 01:46	15° P 54'15				6631 Sep 05 05:27	0° P	
	6630 Sep 28 07:32	0° Q		asc. node		6631 Sep 07 22:47	5° P 03'47	
morning set	6630 Sep 29 04:09	1° Q 47'33		morning set		6631 Sep 13 15:45	16° P 39'06	
						6631 Sep 19 19:57	0° Q	
superior conj	6630 Oct 06 07:28	16° Q 56'58	1°42'24					
minimum elong	6630 Oct 06 07:15	16° Q 55'46	1°42'24	superior conj		6631 Sep 20 14:31	1° Q 40'39	1°38'06
max. Earth dist.	6630 Oct 09 22:33	24° Q 29'41	1.34422 AU	minimum elong		6631 Sep 20 13:11	1° Q 33'30	1°38'01
	6630 Oct 12 16:11	0° M		max. Earth dist.		6631 Sep 22 21:32	6° Q 36'34	1.33128 AU
evening rise	6630 Oct 14 10:11	3° M 25'37		evening rise		6631 Sep 28 01:57	17° Q 22'44	
desc. node	6630 Oct 26 14:40	25° M 05'07				6631 Oct 04 15:54	0° M	
	6630 Oct 29 17:05	0° X		desc. node		6631 Oct 13 11:42	14° M 56'48	
evening max el	6630 Nov 18 09:46	25° X 15'53	26°58'50			6631 Oct 24 03:32	0° X	
	6630 Nov 24 05:52	0° Z		evening max el		6631 Oct 31 21:53	8° X 35'43	27°25'37
retrograde	6630 Dec 01 15:37	2° Z 34'42		retrograde		6631 Nov 14 12:34	15° X 54'07	
evening set	6630 Dec 08 08:21	29° X 56'38		evening set		6631 Nov 21 13:26	13° X 18'21	
	6630 Dec 08 06:39	30° R X		min. Earth dist.		6631 Nov 25 07:32	9° X 57'54	0.63983 AU
min. Earth dist.	6630 Dec 12 07:32	26° X 03'22	0.65539 AU	inferior conj		6631 Nov 27 19:46	7° X 21'39	-2°20'33
inferior conj	6630 Dec 14 08:09	23° X 44'18	-1°15'04	minimum elong		6631 Nov 28 00:01	7° X 10'37	2°18'50
minimum elong	6630 Dec 14 10:20	23° X 38'04	1°14'05	morning rise		6631 Dec 04 12:10	1° X 59'57	
asc. node	6630 Dec 18 01:03	19° X 52'19		asc. node		6631 Dec 04 22:05	1° X 50'43	
morning rise	6630 Dec 20 13:24	18° X 07'52		direct		6631 Dec 06 23:20	1° X 29'37	
direct	6630 Dec 23 07:19	17° X 26'54		morning max el		6631 Dec 13 11:42	4° X 53'51	17°51'14
morning max el	6630 Dec 29 18:44	20° X 54'36	18°09'48	morning set		6631 Dec 30 06:01	0° Z 24'23	





























































































































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desc. node	6632 Jan 09 10:57	17°♄34'15					
			superior conj	6632 Dec 23 01:28	2°♄48'58	0°23'28	
superior conj	6632 Jan 12 03:11	21°♄56'55 -0°18'59	minimum elong	6632 Dec 23 03:35	2°♄58'00	0°23'12	
minimum elong	6632 Jan 12 01:02	21°♄48'11 0°18'38	desc. node	6632 Dec 26 07:59	8°♄19'47		
	6632 Jan 17 03:24	0°♄	max. Earth dist.	6632 Dec 30 05:35	14°♄45'02	1.43314 AU	
max. Earth dist.	6632 Jan 17 13:50	0°♄41'28 1.44656 AU	evening rise	6633 Jan 06 12:57	26°♄22'33		
evening rise	6632 Jan 27 23:15	16°♄53'51		6633 Jan 08 21:05	0°♄		
	6632 Feb 05 14:18	0°♄		6633 Jan 29 12:19	0°♄		
evening max el	6632 Feb 24 22:05	26°♄19'21 20°26'49	evening max el	6633 Feb 06 19:14	9°♄56'51	21°38'01	
	6632 Feb 29 11:03	0°♄	retrograde	6633 Feb 15 20:01	15°♄18'08		
asc. node	6632 Mar 01 21:17	0°♄38'46	asc. node	6633 Feb 16 18:20	15°♄13'35		
retrograde	6632 Mar 03 22:18	1°♄00'36	evening set	6633 Feb 20 04:26	13°♄34'00		
	6632 Mar 07 04:15	30°♄♄	inferior conj	6633 Feb 25 12:15	7°♄16'46	2°33'55	
evening set	6632 Mar 07 20:30	29°♄31'49	minimum elong	6633 Feb 25 09:55	7°♄24'50	2°33'18	
inferior conj	6632 Mar 13 04:43	23°♄25'05 3°02'32	min. Earth dist.	6633 Feb 25 15:55	7°♄04'02	0.68153 AU	
minimum elong	6632 Mar 13 02:43	23°♄31'56 3°02'10	morning rise	6633 Mar 02 15:14	1°♄04'48		
min. Earth dist.	6632 Mar 13 21:07	22°♄29'08 0.67651 AU		6633 Mar 04 01:40	30°♄♄		
morning rise	6632 Mar 18 08:43	17°♄10'11	direct	6633 Mar 07 16:08	28°♄54'01		
direct	6632 Mar 23 23:53	14°♄39'25		6633 Mar 11 14:38	0°♄		
morning max el	6632 Apr 04 07:01	21°♄25'00 24°25'07	morning max el	6633 Mar 17 16:41	4°♄49'59	22°55'38	
desc. node	6632 Apr 06 10:18	23°♄40'53	desc. node	6633 Mar 24 07:20	12°♄25'41		
	6632 Apr 11 17:24	0°♄		6633 Apr 06 00:10	0°♄		
	6632 May 02 06:47	0°♄	morning set	6633 Apr 21 03:59	23°♄44'13		
morning set	6632 May 10 03:23	13°♄13'05		6633 Apr 24 21:17	0°♄		
max. Earth dist.	6632 May 13 18:41	19°♄41'02 1.37680 AU	max. Earth dist.	6633 Apr 25 14:51	1°♄15'18 1.39902 AU		
	6632 May 19 07:58	0°♄					
			superior conj	6633 May 03 08:34	14°♄59'17 -1°42'41		
superior conj	6632 May 20 17:23	2°♄40'07 -1°15'09	minimum elong	6633 May 03 13:57	15°♄23'57	1°42'07	
minimum elong	6632 May 20 21:45	3°♄01'08 1°14'31		6633 May 11 08:31	0°♄		
asc. node	6632 May 28 20:29	18°♄41'25	evening rise	6633 May 13 02:23	3°♄19'47		
evening rise	6632 May 29 10:11	19°♄49'25	asc. node	6633 May 15 17:33	8°♄19'33		
	6632 Jun 03 16:18	0°♄	evening max el	6633 May 29 05:15	29°♄15'09 18°29'53		
evening max el	6632 Jun 15 01:50	16°♄54'14 19°10'51		6633 May 30 00:29	0°♄		
retrograde	6632 Jun 24 01:35	21°♄19'17	retrograde	6633 Jun 05 21:05	3°♄03'19		
evening set	6632 Jun 26 00:18	21°♄07'44	evening set	6633 Jun 08 02:03	2°♄45'21		
desc. node	6632 Jul 03 09:33	17°♄38'38		6633 Jun 13 09:05	30°♄♄		
inferior conj	6632 Jul 04 10:38	16°♄56'50 -0°18'51	inferior conj	6633 Jun 15 16:21	28°♄14'50	1°18'49	
minimum elong	6632 Jul 04 09:49	16°♄58'11 0°18'35	minimum elong	6633 Jun 15 18:57	28°♄09'41	1°17'53	
min. Earth dist.	6632 Jul 07 06:50	15°♄02'36 0.56172 AU	min. Earth dist.	6633 Jun 19 01:26	25°♄36'01	0.58015 AU	
morning rise	6632 Jul 12 16:18	12°♄09'20	desc. node	6633 Jun 20 06:35	24°♄43'17		
direct	6632 Jul 17 17:55	11°♄09'58	morning rise	6633 Jun 23 08:33	22°♄51'56		
morning max el	6632 Jul 31 22:12	18°♄24'15 25°33'19	direct	6633 Jun 29 06:26	21°♄22'26		
	6632 Aug 10 14:35	0°♄	morning max el	6633 Jul 13 15:45	29°♄01'43 26°54'19		
asc. node	6632 Aug 24 19:49	24°♄36'07		6633 Jul 14 15:06	0°♄		
	6632 Aug 27 10:33	0°♄		6633 Aug 04 08:54	0°♄		
morning set	6632 Aug 28 03:14	1°♄28'13	asc. node	6633 Aug 11 16:52	14°♄24'45		
			morning set	6633 Aug 12 12:56	16°♄10'06		
				6633 Aug 18 21:30	0°♄		
superior conj	6632 Sep 04 00:53	16°♄31'42 1°28'08					
minimum elong	6632 Sep 03 22:52	16°♄20'35 1°27'54					
max. Earth dist.	6632 Sep 05 03:49	18°♄59'36 1.32271 AU	superior conj	6633 Aug 19 12:40	1°♄24'00 1°13'06		
	6632 Sep 10 06:37	0°♄	minimum elong	6633 Aug 19 10:24	1°♄11'24 1°12'44		
evening rise	6632 Sep 11 02:22	1°♄42'55	max. Earth dist.	6633 Aug 19 14:07	1°♄31'59 1.31846 AU		
	6632 Sep 26 13:42	0°♄	evening rise	6633 Aug 26 08:41	16°♄18'10		
desc. node	6632 Sep 29 08:44	4°♄16'12		6633 Sep 02 04:26	0°♄		
evening max el	6632 Oct 13 07:00	21°♄24'23 27°22'14	desc. node	6633 Sep 16 05:46	22°♄50'23		
retrograde	6632 Oct 27 02:17	28°♄37'51		6633 Sep 22 00:58	0°♄		
evening set	6632 Nov 03 05:38	26°♄14'24	evening max el	6633 Sep 25 10:12	3°♄28'53 26°45'15		
min. Earth dist.	6632 Nov 06 21:19	23°♄21'29 0.62133 AU	retrograde	6633 Oct 09 07:53	10°♄37'25		
inferior conj	6632 Nov 09 19:55	20°♄38'34 -3°26'41	evening set	6633 Oct 16 04:41	8°♄37'36		
minimum elong	6632 Nov 10 02:01	20°♄24'26 3°24'38	min. Earth dist.	6633 Oct 20 00:07	6°♄01'14 0.60089 AU		
morning rise	6632 Nov 17 00:21	15°♄35'04	inferior conj	6633 Oct 23 05:10	3°♄25'46 -4°27'30		
direct	6632 Nov 19 07:35	15°♄11'45	minimum elong	6633 Oct 27 11:54	3°♄12'07 4°25'52		
asc. node	6632 Nov 20 19:08	15°♄21'43		6633 Oct 27 23:10	30°♄♄		
morning max el	6632 Nov 26 04:01	18°♄40'47 17°50'39	morning rise	6633 Oct 30 21:18	28°♄43'55		
	6632 Dec 04 09:03	0°♄	direct	6633 Nov 02 03:57	28°♄24'31		
morning set	6632 Dec 12 00:31	13°♄24'06		6633 Nov 07 01:57	0°♄		

asc. node	6633 Nov 07 16:12	0°♌24'27		morning set	6634 Nov 09 07:04	11°♌19'57	
morning max el	6633 Nov 09 16:25	2°♌06'55	18°09'12				
morning set	6633 Nov 25 10:26	27°♌07'01		superior conj	6634 Nov 17 20:03	27°♌55'35	1°21'04
	6633 Nov 26 23:14	0°♌		minimum elong	6634 Nov 17 23:19	28°♌11'01	1°20'46
					6634 Nov 18 22:26	0°♌	
superior conj	6633 Dec 05 00:41	14°♌53'00	0°57'14	max. Earth dist.	6634 Nov 24 22:35	10°♌57'16	1.39379 AU
minimum elong	6633 Dec 05 04:20	15°♌09'23	0°56'48	evening rise	6634 Nov 28 21:19	17°♌47'58	
max. Earth dist.	6633 Dec 12 16:25	28°♌12'56	1.41479 AU	desc. node	6634 Nov 30 02:00	19°♌49'03	
desc. node	6633 Dec 13 04:59	29°♌05'45			6634 Dec 06 08:04	0°♌	
	6633 Dec 13 17:56	0°♌			6634 Dec 27 12:23	0°♌	
evening rise	6633 Dec 17 18:05	6°♌35'07		evening max el	6635 Jan 03 01:20	7°♌18'30	24°16'10
	6634 Jan 02 01:46	0°♌		retrograde	6635 Jan 14 07:42	13°♌55'06	
evening max el	6634 Jan 20 11:42	23°♌35'52	22°56'25	evening set	6635 Jan 19 16:16	11°♌41'06	
retrograde	6634 Jan 30 15:34	29°♌37'34		asc. node	6635 Jan 21 12:26	9°♌52'06	
asc. node	6634 Feb 03 15:24	28°♌16'37		min. Earth dist.	6635 Jan 24 08:46	6°♌18'18	0.67961 AU
evening set	6634 Feb 04 11:32	27°♌38'05		inferior conj	6635 Jan 25 04:01	5°♌13'30	1°11'36
inferior conj	6634 Feb 09 20:37	21°♌13'35	1°56'38	minimum elong	6635 Jan 25 02:26	5°♌18'50	1°11'01
minimum elong	6634 Feb 09 18:25	21°♌21'10	1°55'56		6635 Jan 29 13:20	30°♌	
min. Earth dist.	6634 Feb 09 12:32	21°♌41'31	0.68247 AU	morning rise	6635 Jan 30 12:42	29°♌11'33	
morning rise	6634 Feb 15 01:14	15°♌05'54		direct	6635 Feb 03 09:48	27°♌45'44	
direct	6634 Feb 19 11:47	13°♌17'45			6635 Feb 08 17:38	0°♌	
morning max el	6634 Feb 28 06:44	18°♌24'00	21°29'53	morning max el	6635 Feb 11 03:59	2°♌09'47	20°14'26
	6634 Mar 09 20:21	0°♌		desc. node	6635 Feb 26 01:19	21°♌41'23	
desc. node	6634 Mar 11 04:20	1°♌49'17			6635 Mar 03 15:07	0°♌	
	6634 Mar 30 03:38	0°♌		morning set	6635 Mar 10 23:41	11°♌14'18	
morning set	6634 Apr 01 00:23	2°♌56'24		max. Earth dist.	6635 Mar 20 23:26	26°♌56'44	1.43773 AU
max. Earth dist.	6634 Apr 07 15:42	13°♌40'19	1.42021 AU		6635 Mar 22 20:59	0°♌	
superior conj	6634 Apr 15 03:30	26°♌20'27	-2°03'01	superior conj	6635 Mar 26 22:00	6°♌35'40	-2°10'29
minimum elong	6634 Apr 15 07:47	26°♌39'03	2°02'48	minimum elong	6635 Mar 26 21:40	6°♌34'16	2°10'30
	6634 Apr 17 05:48	0°♌		evening rise	6635 Apr 08 15:47	28°♌12'45	
evening rise	6634 Apr 26 05:44	16°♌10'51			6635 Apr 09 16:29	0°♌	
asc. node	6634 May 02 14:35	27°♌38'12		asc. node	6635 Apr 19 11:36	16°♌30'52	
	6634 May 03 23:35	0°♌		evening max el	6635 Apr 26 03:53	25°♌18'03	18°07'43
evening max el	6634 May 12 15:05	12°♌06'04	18°09'06	retrograde	6635 May 02 14:18	28°♌39'28	
retrograde	6634 May 19 10:44	15°♌33'20		evening set	6635 May 05 09:21	28°♌00'15	
evening set	6634 May 21 22:52	15°♌05'48		inferior conj	6635 May 11 15:28	22°♌50'00	3°07'33
inferior conj	6634 May 28 19:08	10°♌14'54	2°27'01	minimum elong	6635 May 11 17:43	22°♌44'05	3°07'09
minimum elong	6634 May 28 22:22	10°♌07'27	2°26'08	min. Earth dist.	6635 May 14 12:39	19°♌49'33	0.62395 AU
min. Earth dist.	6634 Jun 01 02:48	7°♌12'59	0.60194 AU	morning rise	6635 May 18 00:25	16°♌44'36	
morning rise	6634 Jun 04 19:14	4°♌25'19		direct	6635 May 24 19:37	14°♌14'36	
desc. node	6634 Jun 07 03:37	3°♌12'55		desc. node	6635 May 25 00:38	14°♌14'44	
direct	6634 Jun 11 07:46	2°♌22'42		morning max el	6635 Jun 07 21:55	22°♌16'37	27°53'24
morning max el	6634 Jun 25 16:00	10°♌18'01	27°42'48		6635 Jun 14 16:46	0°♌	
	6634 Jul 10 22:29	0°♌			6635 Jul 04 02:37	0°♌	
	6634 Jul 27 11:31	0°♌		morning set	6635 Jul 11 19:41	14°♌49'29	
morning set	6634 Jul 27 19:08	0°♌39'29		asc. node	6635 Jul 16 10:52	24°♌29'18	
asc. node	6634 Jul 29 13:53	4°♌24'11		max. Earth dist.	6635 Jul 17 07:25	26°♌19'25	1.32309 AU
max. Earth dist.	6634 Aug 03 00:39	14°♌02'55	1.31852 AU				
superior conj	6634 Aug 04 00:04	16°♌11'56	0°53'31	superior conj	6635 Jul 19 09:15	0°♌49'20	0°29'52
minimum elong	6634 Aug 03 22:00	16°♌00'35	0°53'07	minimum elong	6635 Jul 19 07:54	0°♌42'02	0°29'33
	6634 Aug 10 07:07	0°♌			6635 Jul 19 00:11	0°♌	
evening rise	6634 Aug 10 18:38	1°♌01'41		evening rise	6635 Jul 26 06:15	15°♌46'42	
	6634 Aug 26 10:19	0°♌			6635 Aug 02 06:53	0°♌	
desc. node	6634 Sep 03 02:48	10°♌21'22		evening max el	6635 Aug 19 18:36	25°♌15'44	24°05'19
evening max el	6634 Sep 07 05:36	14°♌43'25	25°36'35	desc. node	6635 Aug 20 23:50	26°♌23'28	
retrograde	6634 Sep 21 04:08	21°♌47'43			6635 Aug 25 22:36	0°♌	
evening set	6634 Sep 27 05:44	20°♌21'40		retrograde	6635 Sep 02 12:37	2°♌10'06	
min. Earth dist.	6634 Oct 01 17:39	17°♌44'35	0.58030 AU	evening set	6635 Sep 07 06:07	1°♌20'44	
inferior conj	6634 Oct 04 20:07	15°♌34'03	-5°12'27		6635 Sep 10 09:12	30°♌	
minimum elong	6634 Oct 05 00:40	15°♌26'01	5°11'53	min. Earth dist.	6635 Sep 13 05:19	28°♌24'03	0.56246 AU
morning rise	6634 Oct 12 21:55	11°♌15'24		inferior conj	6635 Sep 15 14:45	26°♌55'34	-5°25'24
direct	6634 Oct 15 07:52	10°♌57'17		minimum elong	6635 Sep 15 13:23	26°♌57'40	5°25'21
morning max el	6634 Oct 23 21:23	15°♌02'58	18°48'27	morning rise	6635 Sep 23 22:59	22°♌56'58	
asc. node	6634 Oct 25 13:14	16°♌46'49		direct	6635 Sep 26 16:28	22°♌37'38	
	6634 Nov 03 07:53	0°♌		morning max el	6635 Oct 06 15:30	27°♌17'34	19°49'44
					6635 Oct 09 05:01	0°♌	

asc. node	6635 Oct 12 10:14	4°♄12'24		direct	6636 Sep 06 08:18	3°♄21'12	
morning set	6635 Oct 24 10:53	25°♄52'04		morning max el	6636 Sep 17 20:58	8°♄44'40	21°12'31
	6635 Oct 26 11:41	0°♄			6636 Sep 28 07:15	22°♄27'20	
				asc. node	6636 Oct 02 12:10	0°♄	
superior conj	6635 Nov 01 06:16	11°♄40'32	1°35'37	morning set	6636 Oct 07 19:17	10°♄36'16	
minimum elong	6635 Nov 01 08:16	11°♄50'28	1°35'30				
max. Earth dist.	6635 Nov 07 03:52	23°♄04'55	1.37268 AU	superior conj	6636 Oct 15 03:04	25°♄55'40	1°41'59
evening rise	6635 Nov 10 22:15	29°♄59'02		minimum elong	6636 Oct 15 03:37	25°♄58'30	1°41'59
	6635 Nov 10 22:28	0°♄			6636 Oct 17 02:40	0°♄	
desc. node	6635 Nov 16 23:01	10°♄24'57		max. Earth dist.	6636 Oct 19 13:59	4°♄58'14	1.35369 AU
	6635 Nov 29 14:17	0°♄		evening rise	6636 Oct 23 17:24	12°♄59'21	
evening max el	6635 Dec 16 14:12	21°♄04'05	25°30'31		6636 Nov 02 08:13	0°♄	
retrograde	6635 Dec 28 19:19	28°♄05'17		desc. node	6636 Nov 02 20:02	0°♄48'42	
evening set	6636 Jan 03 17:00	25°♄38'50			6636 Nov 23 14:12	0°♄	
min. Earth dist.	6636 Jan 08 02:18	20°♄50'24	0.67306 AU	evening max el	6636 Nov 28 03:18	4°♄47'40	26°32'05
asc. node	6636 Jan 08 09:28	20°♄27'30		retrograde	6636 Dec 11 01:34	12°♄02'04	
inferior conj	6636 Jan 09 08:38	19°♄13'01	0°19'27	evening set	6636 Dec 17 11:54	9°♄26'48	
minimum elong	6636 Jan 09 08:08	19°♄14'36	0°19'18	min. Earth dist.	6636 Dec 21 14:42	5°♄13'26	0.66290 AU
morning rise	6636 Jan 14 23:39	13°♄18'52		inferior conj	6636 Dec 23 08:29	3°♄08'10	-0°39'00
direct	6636 Jan 18 08:47	12°♄13'05		minimum elong	6636 Dec 23 09:33	3°♄04'55	0°38'29
morning max el	6636 Jan 25 09:05	16°♄06'09	19°13'16	asc. node	6636 Dec 25 06:31	0°♄54'04	
	6636 Feb 05 01:37	0°♄			6636 Dec 26 02:45	30°♄	
greatest brilliancy	6636 Feb 07 19:01	4°♄04'00	-0.7m	morning rise	6636 Dec 29 07:58	27°♄24'21	
desc. node	6636 Feb 12 22:20	11°♄54'11		direct	6637 Jan 01 06:57	26°♄35'17	
morning set	6636 Feb 18 00:12	19°♄44'37			6637 Jan 07 17:11	0°♄	
	6636 Feb 24 14:37	0°♄		morning max el	6637 Jan 07 20:49	0°♄08'57	18°28'08
max. Earth dist.	6636 Mar 02 13:48	10°♄54'43	1.44949 AU	morning set	6637 Jan 28 00:02	29°♄29'27	
					6637 Jan 28 07:42	0°♄	
superior conj	6636 Mar 05 16:23	15°♄49'33	-1°59'35	desc. node	6637 Jan 29 19:20	2°♄21'43	
minimum elong	6636 Mar 05 09:24	15°♄21'50	1°59'10				
	6636 Mar 14 12:09	0°♄		superior conj	6637 Feb 12 20:45	24°♄31'43	-1°29'01
evening rise	6636 Mar 20 04:16	9°♄18'10		minimum elong	6637 Feb 12 11:17	23°♄54'38	1°27'59
	6636 Apr 01 22:58	0°♄			6637 Feb 13 08:42	25°♄18'30	1.45422 AU
asc. node	6636 Apr 05 08:38	4°♄49'20			6637 Feb 16 08:34	0°♄	
evening max el	6636 Apr 08 16:37	8°♄43'19	18°24'56	evening rise	6637 Feb 28 17:25	19°♄27'18	
retrograde	6636 Apr 15 03:27	12°♄12'40			6637 Mar 07 09:28	0°♄	
evening set	6636 Apr 18 05:18	11°♄20'25		greatest brilliancy	6637 Mar 10 07:01	4°♄32'41	-0.8m
inferior conj	6636 Apr 24 01:13	5°♄52'02	3°25'49	evening max el	6637 Mar 23 02:42	22°♄15'14	18°59'48
minimum elong	6636 Apr 24 01:59	5°♄49'47	3°25'45	asc. node	6637 Mar 23 05:40	22°♄22'44	
min. Earth dist.	6636 Apr 26 07:40	3°♄13'43	0.64373 AU	retrograde	6637 Mar 29 22:26	26°♄04'50	
	6636 Apr 29 11:53	30°♄		evening set	6637 Apr 02 07:28	24°♄58'45	
morning rise	6636 Apr 29 21:49	29°♄38'59		inferior conj	6637 Apr 07 20:39	19°♄13'43	3°26'57
direct	6636 May 06 15:43	26°♄53'24		minimum elong	6637 Apr 07 20:03	19°♄15'37	3°26'55
desc. node	6636 May 10 21:39	27°♄49'37		min. Earth dist.	6637 Apr 09 11:30	17°♄10'58	0.65986 AU
	6636 May 14 16:55	0°♄		morning rise	6637 Apr 13 08:14	12°♄57'50	
morning max el	6636 May 20 07:10	4°♄51'17	27°27'43	direct	6637 Apr 19 18:33	10°♄09'50	
	6636 Jun 08 08:01	0°♄		desc. node	6637 Apr 27 18:42	13°♄27'42	
morning set	6636 Jun 24 12:06	28°♄32'43		morning max el	6637 May 02 17:20	17°♄50'57	26°31'55
	6636 Jun 25 05:48	0°♄			6637 May 12 21:46	0°♄	
max. Earth dist.	6636 Jun 29 06:43	8°♄11'43	1.33234 AU		6637 Jun 01 07:01	0°♄	
asc. node	6636 Jul 02 07:52	14°♄36'08		morning set	6637 Jun 07 16:59	11°♄38'47	
				max. Earth dist.	6637 Jun 11 19:35	19°♄34'51	1.34634 AU
superior conj	6636 Jul 02 14:19	15°♄10'23	0°02'46				
minimum elong	6636 Jul 02 14:10	15°♄09'38	0°02'41	superior conj	6637 Jun 16 12:54	29°♄07'31	-0°26'57
behind sun begin	6636 Jul 02 08:47	14°♄40'57		minimum elong	6637 Jun 16 14:24	29°♄15'14	0°26'42
behind sun end	6636 Jul 02 19:34	15°♄38'22			6637 Jun 16 23:04	0°♄	
evening rise	6636 Jul 09 17:38	0°♄27'35		asc. node	6637 Jun 19 04:53	4°♄40'06	
	6636 Jul 09 12:26	0°♄			6637 Jun 24 02:49	14°♄57'21	
	6636 Jul 26 10:45	0°♄		evening rise	6637 Jul 01 18:46	0°♄	
evening max el	6636 Jul 31 07:43	5°♄33'24	22°26'55	evening max el	6637 Jul 13 05:04	16°♄09'15	20°56'38
desc. node	6636 Aug 06 20:51	10°♄25'04		retrograde	6637 Jul 24 20:48	21°♄54'31	
retrograde	6636 Aug 13 08:21	12°♄02'17		desc. node	6637 Jul 24 17:53	21°♄54'28	
evening set	6636 Aug 16 13:39	11°♄39'29		evening set	6637 Jul 27 01:15	21°♄43'10	
min. Earth dist.	6636 Aug 24 14:36	8°♄08'41	0.55071 AU	inferior conj	6637 Aug 05 08:21	17°♄45'53	-3°21'38
inferior conj	6636 Aug 25 15:36	7°♄33'18	-4°49'22	minimum elong	6637 Aug 04 23:40	17°♄58'09	3°18'54
minimum elong	6636 Aug 25 07:48	7°♄44'22	4°47'55	min. Earth dist.	6637 Aug 06 00:18	17°♄23'19	0.54754 AU
morning rise	6636 Sep 03 03:45	3°♄44'18		morning rise	6637 Aug 13 22:17	13°♄47'58	

direct	6637 Aug 17 16:47	13°♎17'30		min. Earth dist.	6638 Jul 18 12:37	26°♊43'47	0.55397 AU
morning max el	6637 Aug 30 15:33	19°♎28'29	22°52'04	morning rise	6638 Jul 24 18:19	23°♊39'10	
	6637 Sep 08 08:49	0°♎		direct	6638 Jul 29 07:14	22°♊53'35	
asc. node	6637 Sep 15 04:16	11°♎19'41		morning max el	6638 Aug 12 04:58	29°♊48'17	24°36'59
morning set	6637 Sep 22 06:15	25°♎26'50			6638 Aug 12 09:53	0°♎	
	6637 Sep 24 09:36	0°♎			6638 Sep 01 17:11	0°♎	
				asc. node	6638 Sep 02 01:17	0°♎39'44	
superior conj	6637 Sep 29 07:09	10°♎31'19	1°41'18	morning set	6638 Sep 06 18:00	10°♎18'05	
minimum elong	6637 Sep 29 06:25	10°♎27'24	1°41'18				
max. Earth dist.	6637 Oct 02 08:18	16°♎57'43	1.33824 AU	superior conj	6638 Sep 13 15:51	25°♎19'01	1°34'31
evening rise	6637 Oct 07 02:42	26°♎38'27		minimum elong	6638 Sep 13 14:11	25°♎09'54	1°34'23
	6637 Oct 08 20:06	0°♎		max. Earth dist.	6638 Sep 15 10:40	29°♎11'39	1.32702 AU
desc. node	6637 Oct 20 17:03	20°♎54'30			6638 Sep 15 19:37	0°♎	
	6637 Oct 26 16:13	0°♎		evening rise	6638 Sep 20 22:27	10°♎46'08	
evening max el	6637 Nov 10 16:08	18°♎19'37	27°13'31		6638 Oct 01 02:50	0°♎	
retrograde	6637 Nov 24 01:57	25°♎38'19		desc. node	6638 Oct 07 14:05	10°♎34'06	
evening set	6637 Nov 30 22:51	23°♎00'07			6638 Oct 22 15:28	0°♎	
min. Earth dist.	6637 Dec 04 19:43	19°♎21'22	0.64922 AU	evening max el	6638 Oct 24 03:03	1°♎27'17	27°28'06
inferior conj	6637 Dec 07 01:20	16°♎54'06	-1°42'29	retrograde	6638 Nov 06 19:59	8°♎44'23	
minimum elong	6637 Dec 07 04:22	16°♎45'44	1°41'11	evening set	6638 Nov 13 22:57	6°♎12'07	
asc. node	6637 Dec 12 03:34	12°♎07'46		min. Earth dist.	6638 Nov 17 15:22	3°♎04'42	0.63228 AU
morning rise	6637 Dec 13 11:10	11°♎23'37		inferior conj	6638 Nov 20 08:28	0°♎23'48	-2°48'47
direct	6637 Dec 16 02:01	10°♎47'31		minimum elong	6638 Nov 20 13:34	0°♎11'09	2°46'51
morning max el	6637 Dec 22 12:48	14°♎12'17	17°59'49		6638 Nov 20 18:05	30°♎	
	6638 Jan 02 18:04	0°♎		morning rise	6638 Nov 27 05:59	25°♎09'48	
morning set	6638 Jan 09 05:34	10°♎43'17		asc. node	6638 Nov 29 00:38	24°♎44'40	
desc. node	6638 Jan 16 16:21	22°♎59'34		direct	6638 Nov 29 15:05	24°♎42'56	
	6638 Jan 21 00:25	0°♎		morning max el	6638 Dec 06 05:59	28°♎08'00	17°48'46
					6638 Dec 07 23:08	0°♎	
superior conj	6638 Jan 23 06:35	3°♎36'26	-0°45'31	morning set	6638 Dec 22 12:26	23°♎09'52	
minimum elong	6638 Jan 23 01:08	3°♎14'44	0°44'44		6638 Dec 26 10:50	0°♎	
max. Earth dist.	6638 Jan 27 04:37	9°♎48'37	1.45142 AU				
evening rise	6638 Feb 08 11:29	28°♎55'28		superior conj	6639 Jan 03 13:50	13°♎45'18	-0°00'09
	6638 Feb 09 04:14	0°♎		minimum elong	6639 Jan 03 13:49	13°♎45'13	0°00'05
greatest brilliancy	6638 Feb 22 12:44	20°♎16'41	-0.6m	behind sun begin	6639 Jan 03 04:33	13°♎06'51	
	6638 Mar 01 10:08	0°♎		behind sun end	6639 Jan 03 23:04	14°♎23'30	
evening max el	6638 Mar 06 08:19	5°♎50'27	19°50'52	desc. node	6639 Jan 03 13:21	13°♎43'17	
asc. node	6638 Mar 10 02:44	8°♎58'41		max. Earth dist.	6639 Jan 09 22:09	24°♎05'01	1.44154 AU
retrograde	6638 Mar 13 20:23	10°♎10'49			6639 Jan 13 15:38	0°♎	
evening set	6638 Mar 17 13:25	8°♎50'24		evening rise	6639 Jan 18 22:06	8°♎12'10	
inferior conj	6638 Mar 22 22:45	2°♎50'40	3°14'41		6639 Feb 02 10:54	0°♎	
minimum elong	6638 Mar 22 21:08	2°♎56'04	3°14'27	evening max el	6639 Feb 17 08:27	19°♎26'37	20°55'50
min. Earth dist.	6638 Mar 23 22:54	1°♎29'54	0.67170 AU	asc. node	6639 Feb 24 23:50	24°♎21'47	
	6638 Mar 25 02:29	30°♎		retrograde	6639 Feb 25 18:49	24°♎25'05	
morning rise	6638 Mar 28 04:38	26°♎34'46		evening set	6639 Mar 01 21:07	22°♎49'51	
direct	6638 Apr 03 03:20	23°♎55'27		inferior conj	6639 Mar 07 04:56	16°♎38'02	2°51'32
	6638 Apr 14 00:16	0°♎		minimum elong	6639 Mar 07 02:44	16°♎45'37	2°51'02
desc. node	6638 Apr 14 15:44	0°♎37'42		min. Earth dist.	6639 Mar 07 15:44	16°♎00'42	0.67914 AU
morning max el	6638 Apr 15 02:50	1°♎05'31	25°14'56	morning rise	6639 Mar 12 08:09	10°♎23'59	
	6638 May 06 21:42	0°♎		direct	6639 Mar 17 17:11	8°♎01'19	
morning set	6638 May 21 05:59	23°♎56'26		morning max el	6639 Mar 28 11:47	14°♎27'07	23°47'02
	6638 May 24 13:27	0°♎		desc. node	6639 Apr 01 12:44	18°♎53'25	
max. Earth dist.	6638 May 24 21:51	0°♎39'11	1.36473 AU		6639 Apr 10 03:31	0°♎	
					6639 Apr 29 19:40	0°♎	
superior conj	6638 May 31 02:14	12°♎33'43	-0°57'46	morning set	6639 May 02 21:33	5°♎11'05	
minimum elong	6638 May 31 05:36	12°♎50'22	0°57'13	max. Earth dist.	6639 May 06 17:43	11°♎51'27	1.38615 AU
asc. node	6638 Jun 06 01:56	24°♎37'27					
evening rise	6638 Jun 08 07:39	29°♎10'00		superior conj	6639 May 14 02:44	25°♎20'26	-1°27'26
	6638 Jun 08 17:33	0°♎		minimum elong	6639 May 14 07:42	25°♎43'50	1°26'47
evening max el	6638 Jun 25 15:06	27°♎25'00	19°43'36		6639 May 16 13:29	0°♎	
	6638 Jun 28 17:33	0°♎		evening rise	6639 May 23 05:23	12°♎58'20	
retrograde	6638 Jul 05 13:53	2°♎18'19		asc. node	6639 May 23 23:00	14°♎24'11	
evening set	6638 Jul 07 10:56	2°♎08'38			6639 Jun 01 11:23	0°♎	
desc. node	6638 Jul 11 14:57	0°♎45'46		evening max el	6639 Jun 08 13:10	9°♎24'41	18°50'56
	6638 Jul 13 02:47	30°♎		retrograde	6639 Jun 16 22:13	13°♎32'18	
inferior conj	6638 Jul 16 07:38	28°♎05'57	-1°25'14	evening set	6639 Jun 18 23:05	13°♎18'37	
minimum elong	6638 Jul 16 03:43	28°♎12'03	1°23'47	inferior conj	6639 Jun 27 00:56	9°♎00'04	0°25'57

minimum elong	6639 Jun 27 01:57	8°☿58'14	0°25'31	min. Earth dist.	6640 Jun 11 02:00	17°♊44'35	0.58922 AU
desc. node	6639 Jun 28 12:00	7°☿56'36		desc. node	6640 Jun 14 09:02	15°♊24'25	
min. Earth dist.	6639 Jun 30 04:46	6°☿44'22	0.56884 AU	morning rise	6640 Jun 15 01:19	15°♊00'59	
morning rise	6639 Jul 05 01:23	3°☿56'28		direct	6640 Jun 21 06:36	13°♊16'52	
direct	6639 Jul 10 11:57	2°☿44'58		morning max el	6640 Jul 05 15:45	21°♊04'12	27°19'22
morning max el	6639 Jul 24 19:40	10°☿12'16	26°11'10		6640 Jul 13 09:41	0°☿	
	6639 Aug 08 22:10	0°♊			6640 Jul 31 18:27	0°♊	
asc. node	6639 Aug 19 22:18	20°♊20'00		morning set	6640 Aug 05 13:19	9°♊42'10	
morning set	6639 Aug 22 04:56	25°♊05'12		asc. node	6640 Aug 05 19:19	10°♊13'42	
	6639 Aug 24 11:48	0°♋		max. Earth dist.	6640 Aug 12 05:36	24°♊11'46	1.31793 AU
superior conj	6639 Aug 29 03:05	10°♋12'01	1°22'21	superior conj	6640 Aug 12 14:53	25°♊03'11	1°05'20
minimum elong	6639 Aug 29 00:54	9°♋59'57	1°22'04	minimum elong	6640 Aug 12 12:39	24°♊50'47	1°04'56
max. Earth dist.	6639 Aug 29 18:54	11°♋39'21	1.32026 AU		6640 Aug 14 20:31	0°♋	
evening rise	6639 Sep 05 01:41	25°♋14'04		evening rise	6640 Aug 19 09:47	9°♋53'43	
	6639 Sep 07 09:12	0°♌			6640 Aug 29 16:41	0°♌	
desc. node	6639 Sep 24 11:08	29°♌36'42		desc. node	6640 Sep 10 08:11	17°♌46'34	
	6639 Sep 24 17:39	0°♍		evening max el	6640 Sep 17 10:00	25°♌42'25	26°19'40
evening max el	6639 Oct 06 09:52	13°♍58'37	27°10'43		6640 Sep 22 19:39	0°♍	
retrograde	6639 Oct 20 06:47	21°♍10'47		retrograde	6640 Oct 01 08:34	2°♍48'56	
evening set	6639 Oct 27 08:29	18°♍55'51		evening set	6640 Oct 07 22:40	1°♍02'54	
min. Earth dist.	6639 Oct 31 00:34	16°♍11'39	0.61275 AU		6640 Oct 09 18:01	30°♎	
inferior conj	6639 Nov 03 02:43	13°♍29'38	-3°53'39	min. Earth dist.	6640 Oct 11 23:22	28°♌28'15	0.59197 AU
minimum elong	6639 Nov 03 09:19	13°♍15'09	3°51'40	inferior conj	6640 Oct 15 04:30	26°♌01'25	-4°49'24
morning rise	6639 Nov 10 12:17	8°♍35'06		minimum elong	6640 Oct 15 10:45	25°♌49'28	4°48'10
direct	6639 Nov 12 18:38	8°♍13'58		morning rise	6640 Oct 23 01:03	21°♌29'04	
asc. node	6639 Nov 15 21:40	8°♍55'54		direct	6640 Oct 25 08:32	21°♌10'31	
morning max el	6639 Nov 19 21:06	11°♍47'54	17°56'04	asc. node	6640 Nov 01 18:40	24°♌33'51	
	6639 Dec 02 00:25	0°♎		morning max el	6640 Nov 02 06:40	25°♌01'58	18°23'14
morning set	6639 Dec 05 14:10	6°♎30'04			6640 Nov 06 10:55	0°♎	
				morning set	6640 Nov 18 05:09	20°♎27'19	
superior conj	6639 Dec 15 23:10	25°♎09'34	0°38'58		6640 Nov 23 05:05	0°♎	
minimum elong	6639 Dec 16 02:15	25°♎22'58	0°38'35	superior conj	6640 Nov 27 07:34	7°♎40'05	1°08'33
	6639 Dec 18 18:32	0°♏		minimum elong	6640 Nov 27 11:13	7°♎56'52	1°08'08
desc. node	6639 Dec 21 10:21	4°♏29'36		max. Earth dist.	6640 Dec 04 19:57	21°♎02'38	1.40608 AU
max. Earth dist.	6639 Dec 23 11:21	7°♏52'59	1.42584 AU	desc. node	6640 Dec 07 07:22	25°♎15'05	
evening rise	6639 Dec 29 17:02	17°♏56'34		evening rise	6640 Dec 09 07:17	28°♎34'36	
	6640 Jan 06 12:38	0°♐			6640 Dec 10 04:04	0°♏	
	6640 Jan 28 07:19	0°♑			6640 Dec 30 02:00	0°♐	
evening max el	6640 Jan 31 03:24	3°♑04'35	22°10'50	evening max el	6641 Jan 12 18:35	16°♐46'10	23°30'38
retrograde	6640 Feb 09 15:49	8°♑43'40		retrograde	6641 Jan 23 09:55	23°♐03'08	
asc. node	6640 Feb 11 20:54	8°♑18'15		evening set	6641 Jan 28 11:08	20°♐57'32	
evening set	6640 Feb 14 04:53	6°♑53'13		asc. node	6641 Jan 28 17:55	20°♐42'49	
inferior conj	6640 Feb 19 13:03	0°♑32'26	2°19'06	inferior conj	6641 Feb 02 21:14	14°♐31'25	1°38'27
minimum elong	6640 Feb 19 10:43	0°♑40'31	2°18'25	minimum elong	6641 Feb 02 19:14	14°♐38'15	1°37'46
min. Earth dist.	6640 Feb 19 11:41	0°♑37'08	0.68243 AU	min. Earth dist.	6641 Feb 02 08:26	15°♐15'15	0.68175 AU
	6640 Feb 19 22:23	30°♒		morning rise	6641 Feb 08 03:16	8°♐25'55	
morning rise	6640 Feb 24 16:24	24°♐21'52		direct	6641 Feb 12 08:04	6°♐47'13	
direct	6640 Feb 29 11:08	22°♐20'23		morning max el	6641 Feb 20 15:30	11°♐33'52	20°56'11
morning max el	6640 Mar 09 22:45	27°♐55'06	22°18'04	desc. node	6641 Mar 05 06:43	27°♐33'29	
	6640 Mar 11 21:59	0°♒			6641 Mar 06 23:40	0°♒	
desc. node	6640 Mar 18 09:44	7°♒56'16		morning set	6641 Mar 22 19:45	23°♒51'47	
	6640 Apr 02 19:11	0°♓			6641 Mar 26 17:04	0°♓	
morning set	6640 Apr 12 10:08	15°♓08'10		max. Earth dist.	6641 Mar 30 18:39	6°♓32'46	1.42831 AU
max. Earth dist.	6640 Apr 17 14:41	23°♓43'33	1.40831 AU				
	6640 Apr 21 06:45	0°♈		superior conj	6641 Apr 06 18:54	18°♓11'06	-2°08'07
superior conj	6640 Apr 25 09:54	7°♈16'25	-1°52'31	minimum elong	6641 Apr 06 21:41	18°♓22'53	2°08'03
minimum elong	6640 Apr 25 15:10	7°♈40'02	1°52'05		6641 Apr 13 14:58	0°♈	
evening rise	6640 May 05 16:35	26°♈12'59		evening rise	6641 Apr 18 13:09	8°♈44'41	
	6640 May 07 17:11	0°♉		asc. node	6641 Apr 26 17:05	23°♈03'44	
asc. node	6640 May 09 20:03	3°♉54'51			6641 May 01 04:04	0°♉	
evening max el	6640 May 21 19:51	22°♉00'07	18°18'41	evening max el	6641 May 05 07:25	5°♉01'42	18°06'10
retrograde	6640 May 29 01:32	25°♉37'03		retrograde	6641 May 11 21:39	8°♉24'25	
evening set	6640 May 31 09:38	25°♉15'18		evening set	6641 May 14 12:55	7°♉51'57	
inferior conj	6640 Jun 07 15:52	20°♉36'22	1°51'25	inferior conj	6641 May 21 02:38	2°♉52'29	2°47'15
minimum elong	6640 Jun 07 19:02	20°♉29'42	1°50'23	minimum elong	6641 May 21 05:34	2°♉45'19	2°46'35

	6641 May 24 01:41	30° 		inferior conj	6642 May 04 05:11	15°  40'10	3°17'40
min. Earth dist.	6641 May 24 06:34	29°  48'37	0.61152 AU	minimum elong	6642 May 04 06:50	15°  35'39	3°17'27
morning rise	6641 May 27 20:04	26°  55'17		min. Earth dist.	6642 May 06 20:14	12°  47'16	0.63277 AU
desc. node	6641 Jun 01 06:03	24°  55'26		morning rise	6642 May 10 08:29	9°  30'36	
direct	6641 Jun 03 12:34	24°  40'05		direct	6642 May 17 03:50	6°  52'46	
	6641 Jun 14 21:59	0°  II		desc. node	6642 May 19 03:04	7°  04'45	
morning max el	6641 Jun 17 18:29	2°  II38'20	27°51'57	morning max el	6642 May 31 02:22	14°  54'08	27°46'40
	6641 Jul 07 20:28	0°  ☿			6642 Jun 12 08:56	0°  II	
morning set	6641 Jul 20 17:20	24°  ☿03'49			6642 Jun 30 11:31	0°  ☿	
asc. node	6641 Jul 23 16:19	0°  Ω16'05		morning set	6642 Jul 04 14:48	8°  ☿03'36	
	6641 Jul 23 13:18	0°  Ω		max. Earth dist.	6642 Jul 09 19:22	18°  ☿46'56	1.32648 AU
max. Earth dist.	6641 Jul 26 15:06	6°  Ω38'27	1.31999 AU	asc. node	6642 Jul 10 13:21	20°  ☿22'37	
superior conj	6641 Jul 28 01:32	9°  Ω47'08	0°43'58	superior conj	6642 Jul 12 09:12	24°  ☿18'14	0°18'45
minimum elong	6641 Jul 27 23:43	9°  Ω37'11	0°43'33	minimum elong	6642 Jul 12 08:19	24°  ☿13'26	0°18'30
evening rise	6641 Aug 03 20:40	24°  Ω38'42			6642 Jul 15 00:12	0°  Ω	
	6641 Aug 06 09:47	0°  ♍		evening rise	6642 Jul 19 08:26	9°  Ω22'53	
	6641 Aug 24 04:18	0°  ♌			6642 Jul 29 23:18	0°  ♍	
desc. node	6641 Aug 28 05:13	4°  ♌43'02		evening max el	6642 Aug 11 14:11	16°  ♍58'25	23°23'15
evening max el	6641 Aug 30 02:19	6°  ♌36'52	24°59'37	desc. node	6642 Aug 15 02:15	19°  ♍58'22	
retrograde	6641 Sep 12 23:31	13°  ♌37'15		retrograde	6642 Aug 25 02:35	23°  ♍44'48	
evening set	6641 Sep 18 13:00	12°  ♌27'14		evening set	6642 Aug 29 04:30	23°  ♍08'18	
min. Earth dist.	6641 Sep 23 13:40	9°  ♌44'04	0.57223 AU	min. Earth dist.	6642 Sep 04 23:37	19°  ♍58'48	0.55652 AU
inferior conj	6641 Sep 26 10:48	7°  ♌49'53	-5°22'58	inferior conj	6642 Sep 06 21:11	18°  ♍51'43	-5°16'47
minimum elong	6641 Sep 26 13:14	7°  ♌45'50	5°22'48	minimum elong	6642 Sep 06 16:46	18°  ♍58'14	5°16'22
morning rise	6641 Oct 04 15:43	3°  ♌40'24		morning rise	6642 Sep 15 07:23	14°  ♍59'28	
direct	6641 Oct 07 04:39	3°  ♌21'52		direct	6642 Sep 18 05:13	14°  ♍38'55	
morning max el	6641 Oct 16 07:12	7°  ♌40'34	19°11'51	morning max el	6642 Sep 28 20:04	19°  ♍35'54	20°22'36
asc. node	6641 Oct 19 15:40	11°  ♌24'27		asc. node	6642 Oct 06 12:41	29°  ♍12'58	
	6641 Oct 30 18:23	0°  ♍			6642 Oct 07 00:42	0°  ♌	
morning set	6641 Nov 02 05:10	4°  ♍49'22		morning set	6642 Oct 17 11:14	19°  ♌28'00	
					6642 Oct 22 13:52	0°  ♍	
superior conj	6641 Nov 10 09:47	21°  ♍02'00	1°28'20	superior conj	6642 Oct 25 01:02	5°  ♍01'58	1°39'15
minimum elong	6641 Nov 10 12:34	21°  ♍15'27	1°28'06	minimum elong	6642 Oct 25 02:24	5°  ♍08'56	1°39'12
	6641 Nov 15 03:24	0°  ♌		max. Earth dist.	6642 Oct 30 08:22	15°  ♍30'40	1.36416 AU
max. Earth dist.	6641 Nov 17 01:34	3°  ♌31'17	1.38467 AU	evening rise	6642 Nov 03 05:10	22°  ♍46'04	
evening rise	6641 Nov 20 19:58	10°  ♌12'28			6642 Nov 07 06:18	0°  ♌	
desc. node	6641 Nov 24 04:22	15°  ♌55'39		desc. node	6642 Nov 11 01:24	6°  ♌27'25	
	6641 Dec 02 23:23	0°  ☿			6642 Nov 26 17:39	0°  ☿	
	6641 Dec 25 19:27	0°  ≈		evening max el	6642 Dec 08 20:29	14°  ☿15'56	25°58'40
evening max el	6641 Dec 26 07:45	0°  ≈30'39	24°48'56	retrograde	6642 Dec 21 09:34	21°  ☿24'32	
retrograde	6642 Jan 07 00:05	7°  ≈18'29		evening set	6642 Dec 27 12:53	18°  ☿53'25	
evening set	6642 Jan 12 14:21	4°  ≈58'43		min. Earth dist.	6642 Dec 31 19:13	14°  ☿20'07	0.66916 AU
asc. node	6642 Jan 15 14:56	1°  ≈47'48		inferior conj	6643 Jan 02 06:29	12°  ☿29'54	-0°04'37
min. Earth dist.	6642 Jan 17 03:39	29°  ☿50'46	0.67729 AU	minimum elong	6643 Jan 02 06:36	12°  ☿29'32	0°04'31
	6642 Jan 17 00:50	30°  		transit middle	6643 Jan 02 06:36	12°  ☿29'32	0°04'31
inferior conj	6642 Jan 18 03:38	28°  ☿31'30	0°50'17	transit begin	6643 Jan 02 03:52	12°  ☿38'05	
minimum elong	6642 Jan 18 02:28	28°  ☿35'24	0°49'52	transit end	6643 Jan 02 09:20	12°  ☿21'00	
morning rise	6642 Jan 23 14:46	22°  ☿32'51		asc. node	6643 Jan 02 11:57	12°  ☿12'48	
direct	6642 Jan 27 06:39	21°  ☿15'51		morning rise	6643 Jan 08 00:53	6°  ☿40'06	
morning max el	6642 Feb 03 16:10	25°  ☿24'50	19°46'37	direct	6643 Jan 11 05:24	5°  ☿42'02	
	6642 Feb 07 17:13	0°  ≈		morning max el	6643 Jan 18 00:27	9°  ☿25'30	18°52'08
greatest brilliancy	6642 Feb 16 14:18	12°  ≈17'51	-0.6m		6643 Feb 01 22:35	0°  ≈	
desc. node	6642 Feb 20 03:42	17°  ≈35'15		desc. node	6643 Feb 07 00:43	7°  ≈55'08	
	6642 Feb 28 07:35	0°  ✕		morning set	6643 Feb 09 00:58	11°  ≈03'39	
morning set	6642 Mar 01 16:24	2°  ✕06'15			6643 Feb 21 03:41	0°  ✕	
max. Earth dist.	6642 Mar 13 06:07	20°  ✕11'30	1.44357 AU	max. Earth dist.	6643 Feb 23 22:39	4°  ✕22'26	1.45239 AU
superior conj	6642 Mar 18 02:37	27°  ✕58'23	-2°08'21	superior conj	6643 Feb 25 13:06	6°  ✕53'28	-1°48'49
minimum elong	6642 Mar 17 23:24	27°  ✕45'25	2°08'15	minimum elong	6643 Feb 25 04:12	6°  ✕18'28	1°48'05
	6642 Mar 19 08:36	0°  ♑			6643 Mar 12 01:02	0°  ♑	
evening rise	6642 Mar 31 14:30	20°  ♑23'38		evening rise	6643 Mar 12 17:06	1°  ♑04'56	
	6642 Apr 06 06:24	0°  ♑		asc. node	6643 Mar 31 11:10	29°  ♑44'01	
asc. node	6642 Apr 13 14:07	11°  ♑43'05			6643 Mar 31 16:34	0°  ♑	
evening max el	6642 Apr 18 20:29	18° ♑19'59	18°12'43	evening max el	6643 Apr 02 08:18	1° ♑48'34	18°37'36
retrograde	6642 Apr 25 05:58	21° ♑43'21		retrograde	6643 Apr 08 22:08	5° ♑25'31	
evening set	6642 Apr 28 03:55	20° ♑58'40					

evening set	6643 Apr 12 02:51	4°♄27'37		evening rise	6644 Feb 20 21:06	10°♄53'28	
	6643 Apr 16 20:48	30°♄♂		greatest brilliancy	6644 Mar 03 14:01	29°♄02'05	-0.7m
inferior conj	6643 Apr 17 19:31	28°♄51'51	3°28'08		6644 Mar 04 05:18	0°♄	
minimum elong	6643 Apr 17 19:41	28°♄51'22	3°28'07	evening max el	6644 Mar 15 16:42	15°♄22'41	19°19'43
min. Earth dist.	6643 Apr 19 19:19	26°♄27'17	0.65108 AU	asc. node	6644 Mar 17 08:13	16°♄55'04	
morning rise	6643 Apr 23 11:50	22°♄36'48		retrograde	6644 Mar 22 18:41	19°♄24'20	
direct	6643 Apr 30 03:01	19°♄48'37		evening set	6644 Mar 26 06:54	18°♄12'25	
desc. node	6643 May 06 00:05	21°♄36'06		inferior conj	6644 Mar 31 18:09	12°♄21'06	3°23'13
morning max el	6643 May 13 12:31	27°♄41'54	27°07'08	minimum elong	6644 Mar 31 17:05	12°♄24'37	3°23'06
	6643 May 15 16:50	0°♄		min. Earth dist.	6644 Apr 02 02:43	10°♄35'24	0.66541 AU
	6643 Jun 06 02:06	0°♄		morning rise	6644 Apr 06 02:54	6°♄04'50	
morning set	6643 Jun 18 02:49	21°♄32'48		direct	6644 Apr 12 08:44	3°♄18'58	
	6643 Jun 22 09:13	0°♄		desc. node	6644 Apr 21 21:07	7°♄57'04	
max. Earth dist.	6643 Jun 22 14:30	0°♄26'52	1.33768 AU	morning max el	6644 Apr 24 22:26	10°♄49'15	26°01'08
					6644 May 10 04:09	0°♄	
superior conj	6643 Jun 26 11:51	8°♄30'02	-0°09'37		6644 May 28 16:27	0°♄	
minimum elong	6643 Jun 26 12:21	8°♄32'44	0°09'34	morning set	6644 May 31 01:39	4°♄20'53	
behind sun begin	6643 Jun 26 07:49	8°♄08'55		max. Earth dist.	6644 Jun 03 22:23	11°♄39'00	1.35363 AU
behind sun end	6643 Jun 26 16:53	8°♄56'35					
asc. node	6643 Jun 27 10:23	10°♄28'52		superior conj	6644 Jun 09 06:58	22°♄15'57	-0°39'59
evening rise	6643 Jul 03 19:10	23°♄59'49		minimum elong	6644 Jun 09 09:15	22°♄27'30	0°39'35
	6643 Jul 06 16:50	0°♄		asc. node	6644 Jun 13 07:26	0°♄31'05	
evening max el	6643 Jul 24 05:50	27°♄20'00	21°46'50		6644 Jun 13 01:26	0°♄	
	6643 Jul 27 07:48	0°♄		evening rise	6644 Jun 17 02:50	8°♄23'39	
desc. node	6643 Aug 01 23:18	2°♄58'39			6644 Jun 28 19:47	0°♄	
retrograde	6643 Aug 05 18:38	3°♄32'57		evening max el	6644 Jul 05 08:36	8°♄12'42	20°23'14
evening set	6643 Aug 08 10:57	3°♄16'47		retrograde	6644 Jul 16 07:12	13°♄35'26	
	6643 Aug 16 09:22	30°♄♂		evening set	6644 Jul 18 06:30	13°♄25'43	
inferior conj	6643 Aug 17 17:02	29°♄15'49	-4°17'44	desc. node	6644 Jul 18 20:21	13°♄19'21	
minimum elong	6643 Aug 17 07:58	29°♄28'32	4°15'28	inferior conj	6644 Jul 27 10:53	9°♄28'22	-2°33'45
min. Earth dist.	6643 Aug 17 09:06	29°♄26'56	0.54812 AU	minimum elong	6644 Jul 27 03:50	9°♄38'38	2°31'17
morning rise	6643 Aug 26 06:17	25°♄25'26		min. Earth dist.	6644 Jul 28 20:03	8°♄40'02	0.54914 AU
direct	6643 Aug 29 15:58	25°♄00'04		morning rise	6644 Aug 05 00:12	5°♄19'51	
	6643 Sep 10 01:00	0°♄		direct	6644 Aug 09 02:09	4°♄43'54	
morning max el	6643 Sep 10 20:39	0°♄44'14	21°53'24	morning max el	6644 Aug 22 12:11	11°♄15'03	23°36'47
asc. node	6643 Sep 23 09:43	17°♄45'13			6644 Sep 05 12:10	0°♄	
	6643 Sep 29 19:31	0°♄		asc. node	6644 Sep 09 06:46	6°♄50'36	
morning set	6643 Oct 01 20:58	4°♄15'36		morning set	6644 Sep 15 08:28	19°♄07'00	
					6644 Sep 20 09:41	0°♄	
superior conj	6643 Oct 09 01:19	19°♄27'19	1°42'29	superior conj	6644 Sep 22 07:40	4°♄09'02	1°39'07
minimum elong	6643 Oct 09 01:18	19°♄27'09	1°42'31	minimum elong	6644 Sep 22 06:30	4°♄02'41	1°39'04
max. Earth dist.	6643 Oct 12 21:22	27°♄23'05	1.34657 AU	max. Earth dist.	6644 Sep 24 19:14	9°♄28'00	1.33298 AU
	6643 Oct 14 04:32	0°♄		evening rise	6644 Sep 29 21:03	19°♄57'11	
evening rise	6643 Oct 17 06:51	6°♄04'25			6644 Oct 05 02:06	0°♄	
desc. node	6643 Oct 28 22:27	26°♄44'26		desc. node	6644 Oct 14 19:28	16°♄40'03	
	6643 Oct 30 23:11	0°♄			6644 Oct 24 00:28	0°♄	
evening max el	6643 Nov 21 09:28	27°♄55'25	26°52'35	evening max el	6644 Nov 02 21:54	11°♄19'03	27°23'24
	6643 Nov 23 16:26	0°♄		retrograde	6644 Nov 16 11:26	18°♄37'27	
retrograde	6643 Dec 04 13:39	5°♄13'30		evening set	6644 Nov 23 11:25	16°♄00'54	
evening set	6643 Dec 11 04:43	2°♄36'00		min. Earth dist.	6644 Nov 27 06:15	12°♄35'44	0.64237 AU
	6643 Dec 13 22:56	30°♄♂		inferior conj	6644 Nov 29 16:44	10°♄01'39	-2°10'28
min. Earth dist.	6643 Dec 15 04:49	28°♄37'27	0.65745 AU	minimum elong	6644 Nov 29 20:40	9°♄51'16	2°08'52
inferior conj	6643 Dec 17 03:39	26°♄21'45	-1°05'25	morning rise	6644 Dec 06 07:23	4°♄37'27	
minimum elong	6643 Dec 17 05:31	26°♄16'19	1°04'34	asc. node	6644 Dec 06 06:05	4°♄38'50	
asc. node	6643 Dec 20 09:01	22°♄53'05		direct	6644 Dec 08 19:26	4°♄05'43	
morning rise	6643 Dec 23 07:21	20°♄43'14		morning max el	6644 Dec 15 07:08	7°♄29'47	17°52'52
direct	6643 Dec 26 02:29	20°♄00'18			6644 Dec 30 08:53	0°♄	
morning max el	6644 Jan 01 14:21	23°♄29'23	18°13'59	morning set	6645 Jan 01 06:32	3°♄13'35	
	6644 Jan 06 21:35	0°♄		desc. node	6645 Jan 10 18:43	19°♄07'55	
morning set	6644 Jan 20 13:27	21°♄26'31					
desc. node	6644 Jan 24 21:44	28°♄27'26		superior conj	6645 Jan 14 10:50	25°♄06'41	-0°25'54
	6644 Jan 25 20:47	0°♄		minimum elong	6645 Jan 14 07:50	24°♄54'36	0°25'25
superior conj	6644 Feb 04 17:20	15°♄38'52	-1°11'30		6645 Jan 17 11:54	0°♄	
minimum elong	6644 Feb 04 09:00	15°♄06'05	1°10'29	max. Earth dist.	6645 Jan 19 12:51	3°♄14'34	1.44803 AU
max. Earth dist.	6644 Feb 06 17:43	18°♄48'46	1.45388 AU	evening rise	6645 Jan 30 10:03	20°♄11'43	
	6644 Feb 13 21:31	0°♄			6645 Feb 05 20:22	0°♄	

evening max el	6645 Feb 26 20:07	28° H 58'41	20°17'08		6646 Jan 10 04:33	0° \approx	
	6645 Feb 27 21:10	0° Y			6646 Jan 30 12:56	0° H	
asc. node	6645 Mar 04 05:17	3° Y 01'53		evening max el	6646 Feb 09 18:00	12° H 35'48	21°26'47
retrograde	6645 Mar 06 16:57	3° Y 34'10		retrograde	6646 Feb 18 14:54	17° H 51'06	
evening set	6645 Mar 10 13:48	2° Y 07'30		asc. node	6646 Feb 19 02:20	17° H 49'55	
	6645 Mar 12 19:44	30° R H		evening set	6646 Feb 22 21:44	16° H 09'12	
inferior conj	6645 Mar 15 22:14	26° H 02'35	3°06'05	inferior conj	6646 Feb 28 05:28	9° H 53'11	2°38'49
minimum elong	6645 Mar 15 20:20	26° H 09'05	3°05'44	minimum elong	6646 Feb 28 03:10	10° H 01'11	2°38'14
min. Earth dist.	6645 Mar 16 16:35	25° H 00'13	0.67539 AU	min. Earth dist.	6646 Feb 28 10:55	9° H 34'16	0.68106 AU
morning rise	6645 Mar 21 02:38	19° H 47'28		morning rise	6646 Mar 05 08:26	3° H 40'42	
direct	6645 Mar 26 19:50	17° H 14'17		direct	6646 Mar 10 11:25	1° H 26'50	
morning max el	6645 Apr 07 07:16	24° H 06'21	24°38'19	morning max el	6646 Mar 20 16:41	7° H 30'32	23°08'53
desc. node	6645 Apr 08 18:08	25° H 37'24		desc. node	6646 Mar 26 15:06	14° H 14'57	
	6645 Apr 12 13:43	0° Y			6646 Apr 07 04:47	0° Y	
	6645 May 03 14:16	0° B		morning set	6646 Apr 24 10:47	26° Y 55'52	
morning set	6645 May 13 06:13	16° B 13'25			6646 Apr 26 06:33	0° B	
max. Earth dist.	6645 May 16 21:01	22° B 42'20	1.37361 AU	max. Earth dist.	6646 Apr 28 16:59	4° B 10'20	1.39570 AU
	6645 May 20 19:10	0° II					
superior conj	6645 May 23 15:21	5° II 26'53	-1°10'39	superior conj	6646 May 06 09:01	17° B 53'09	-1°38'52
minimum elong	6645 May 23 19:27	5° II 46'52	1°10'01	minimum elong	6646 May 06 14:21	18° B 17'46	1°38'17
asc. node	6645 May 31 04:28	20° II 24'35			6646 May 12 19:16	0° II	
evening rise	6645 Jun 01 04:59	22° II 26'59		evening rise	6646 May 15 22:41	6° II 02'07	
	6645 Jun 05 01:17	0° E		asc. node	6646 May 18 01:30	10° II 05'02	
evening max el	6645 Jun 18 00:07	19° E 47'49	19°18'39		6646 May 30 04:52	0° E	
retrograde	6645 Jun 27 05:33	24° E 19'48		evening max el	6646 Jun 01 02:12	2° E 03'06	18°34'40
evening set	6645 Jun 29 03:38	24° E 08'52		retrograde	6646 Jun 08 22:11	5° E 56'00	
desc. node	6645 Jul 05 17:24	21° E 16'29		evening set	6646 Jun 11 02:00	5° E 39'16	
inferior conj	6645 Jul 07 16:49	20° E 00'12	-0°35'46	inferior conj	6646 Jun 18 19:15	1° E 11'49	1°05'52
minimum elong	6645 Jul 07 15:14	20° E 02'48	0°35'14	minimum elong	6646 Jun 18 21:32	1° E 07'24	1°05'01
min. Earth dist.	6645 Jul 10 09:33	18° E 14'06	0.55950 AU		6646 Jun 20 08:15	30° R II	
morning rise	6645 Jul 16 00:01	15° E 18'21		min. Earth dist.	6646 Jun 22 03:24	28° II 38'20	0.57707 AU
direct	6645 Jul 20 22:21	14° E 22'53		desc. node	6646 Jun 22 14:26	28° II 18'22	
morning max el	6645 Aug 04 01:12	21° E 32'08	25°19'17	morning rise	6646 Jun 26 13:41	25° II 53'33	
	6645 Aug 11 10:44	0° O		direct	6646 Jul 02 08:40	24° II 28'58	
asc. node	6645 Aug 27 03:48	26° O 20'05			6646 Jul 14 10:53	0° E	
	6645 Aug 28 22:55	0° M		morning max el	6646 Jul 16 17:57	2° E 05'32	26°44'10
morning set	6645 Aug 30 20:05	3° M 57'01			6646 Aug 05 17:08	0° O	
				asc. node	6646 Aug 14 00:47	16° O 06'38	
superior conj	6645 Sep 06 17:41	18° M 59'32	1°29'58	morning set	6646 Aug 15 06:08	18° O 40'27	
minimum elong	6645 Sep 06 15:44	18° M 48'51	1°29'47		6646 Aug 20 11:23	0° M	
max. Earth dist.	6645 Sep 08 00:39	21° M 49'20	1.32368 AU	superior conj	6646 Aug 22 05:20	3° M 52'07	1°15'42
	6645 Sep 11 19:41	0° L		minimum elong	6646 Aug 22 03:04	3° M 39'34	1°15'21
evening rise	6645 Sep 13 20:20	4° L 14'32		max. Earth dist.	6646 Aug 22 10:32	4° M 20'51	1.31875 AU
	6645 Sep 27 18:51	0° L		evening rise	6646 Aug 29 01:53	18° M 47'58	
desc. node	6645 Oct 01 16:32	6° L 05'29			6646 Sep 03 14:38	0° L	
evening max el	6645 Oct 16 07:37	24° L 13'35	27°24'50	desc. node	6646 Sep 18 13:35	24° L 47'52	
	6645 Oct 24 05:57	0° X			6646 Sep 22 13:46	0° L	
retrograde	6645 Oct 30 02:15	1° X 27'49		evening max el	6646 Sep 28 11:45	6° L 25'06	26°52'57
	6645 Nov 04 15:09	30° R L		retrograde	6646 Oct 12 09:15	13° L 34'46	
evening set	6645 Nov 06 05:49	29° L 01'43		evening set	6646 Oct 19 07:44	11° L 30'31	
min. Earth dist.	6645 Nov 09 21:32	26° L 05'25	0.62426 AU	min. Earth dist.	6646 Oct 23 01:53	8° L 52'47	0.60397 AU
inferior conj	6645 Nov 12 18:50	23° L 22'38	-3°16'50	inferior conj	6646 Oct 26 06:29	6° L 14'57	-4°19'04
minimum elong	6645 Nov 13 00:42	23° L 08'48	3°14'47	minimum elong	6646 Oct 26 13:17	6° L 00'55	4°17'17
morning rise	6645 Nov 19 21:28	18° L 16'19		morning rise	6646 Nov 02 21:00	1° L 29'53	
direct	6645 Nov 22 05:07	17° L 52'09		direct	6646 Nov 05 03:26	1° L 10'09	
asc. node	6645 Nov 23 03:07	17° L 56'02		asc. node	6646 Nov 10 00:08	2° L 45'37	
morning max el	6645 Nov 28 23:48	21° L 19'45	17°49'33	morning max el	6646 Nov 12 13:02	4° L 49'59	18°05'10
	6645 Dec 05 13:43	0° X		morning set	6646 Nov 28 06:12	29° L 43'27	
morning set	6645 Dec 14 22:15	16° X 05'52			6646 Nov 28 09:45	0° X	
	6645 Dec 22 19:47	0° B					
superior conj	6645 Dec 26 05:13	5° B 47'59	0°17'31	superior conj	6646 Dec 08 01:01	17° X 42'28	0°52'44
minimum elong	6645 Dec 26 06:53	5° B 54'58	0°17'20	minimum elong	6646 Dec 08 04:35	17° X 58'21	0°52'18
desc. node	6645 Dec 28 15:43	9° B 53'17			6646 Dec 15 03:17	0° B	
max. Earth dist.	6646 Jan 02 05:20	17° B 23'04	1.43551 AU	max. Earth dist.	6646 Dec 15 16:47	0° B 56'37	1.41777 AU
evening rise	6646 Jan 09 22:30	29° B 36'34		desc. node	6646 Dec 15 12:43	0° B 39'36	
				evening rise	6646 Dec 21 00:45	9° B 41'19	

	6647 Jan 03 06:37	0°♊			6647 Dec 28 09:47	0°♊	
evening max el	6647 Jan 23 10:59	26°♊14'16	22°44'27	evening max el	6648 Jan 06 00:56	9°♊56'26	24°04'27
	6647 Jan 27 19:03	0°♋		retrograde	6648 Jan 17 03:35	16°♊28'20	
retrograde	6647 Feb 02 10:55	2°♋10'25		evening set	6648 Jan 22 10:11	14°♊16'34	
asc. node	6647 Feb 05 23:23	1°♋07'03		asc. node	6648 Jan 23 20:24	12°♊54'35	
evening set	6647 Feb 07 05:02	0°♋13'16		min. Earth dist.	6648 Jan 27 03:55	8°♊48'35	0.68030 AU
	6647 Feb 07 11:13	30°♋		inferior conj	6648 Jan 27 21:29	7°♊49'09	1°18'53
inferior conj	6647 Feb 12 13:49	23°♊49'28	2°02'47	minimum elong	6648 Jan 27 19:46	7°♊54'56	1°18'17
minimum elong	6647 Feb 12 11:34	23°♊57'14	2°02'06	morning rise	6648 Feb 02 05:23	1°♊46'07	
min. Earth dist.	6647 Feb 12 07:26	24°♊11'34	0.68261 AU	direct	6648 Feb 06 04:26	0°♊16'59	
morning rise	6647 Feb 17 18:01	17°♊40'56		morning max el	6648 Feb 14 01:51	4°♊46'38	20°24'46
direct	6647 Feb 22 06:38	15°♊49'23		desc. node	6648 Feb 28 09:04	23°♊21'38	
morning max el	6647 Mar 03 05:52	21°♊02'59	21°42'01		6648 Mar 03 20:58	0°♋	
	6647 Mar 10 20:13	0°♋		morning set	6648 Mar 13 12:35	14°♋41'37	
desc. node	6647 Mar 13 12:05	3°♋33'20		max. Earth dist.	6648 Mar 22 23:06	29°♋34'41	1.43545 AU
	6647 Mar 31 11:00	0°♌			6648 Mar 23 05:23	0°♌	
morning set	6647 Apr 04 11:17	6°♌19'20		superior conj	6648 Mar 29 05:33	9°♌48'49	-2°10'27
max. Earth dist.	6647 Apr 10 16:32	16°♌25'58	1.41720 AU	minimum elong	6648 Mar 29 06:08	9°♌51'14	2°10'27
	6647 Apr 18 07:14	29°♌23'32	-2°00'38		6648 Apr 10 01:16	0°♍	
superior conj	6647 Apr 18 11:54	29°♌43'54	2°00'22	evening rise	6648 Apr 10 17:05	1°♍09'08	
minimum elong	6647 Apr 18 15:34	0°♍		asc. node	6648 Apr 20 19:35	18°♍24'14	
evening rise	6647 Apr 29 04:12	18°♍59'38		evening max el	6648 Apr 27 23:55	27°♍59'54	18°06'47
asc. node	6647 May 04 22:33	29°♍27'14			6648 Apr 30 09:56	0°♎	
	6647 May 05 05:59	0°♎		retrograde	6648 May 04 10:59	1°♎21'08	
evening max el	6647 May 15 11:20	14°♎50'31	18°11'00	evening set	6648 May 07 05:05	0°♎43'42	
retrograde	6647 May 22 09:17	18°♎19'52			6648 May 08 13:18	30°♎	
evening set	6647 May 24 20:20	17°♎53'58		inferior conj	6648 May 13 13:02	25°♎36'19	3°02'55
inferior conj	6647 May 31 19:04	13°♎06'16	2°18'31	minimum elong	6648 May 13 15:29	25°♎29'59	3°02'27
minimum elong	6647 May 31 22:21	12°♎58'53	2°17'35	min. Earth dist.	6648 May 16 12:11	22°♎34'14	0.62076 AU
min. Earth dist.	6647 Jun 04 03:45	10°♎06'05	0.59856 AU	morning rise	6648 May 20 00:07	19°♎32'52	
morning rise	6647 Jun 07 21:34	7°♎19'56		desc. node	6648 May 26 08:27	17°♎06'50	
desc. node	6647 Jun 09 11:26	6°♎29'28		direct	6648 May 26 18:56	17°♎06'15	
direct	6647 Jun 14 08:28	5°♎21'55		morning max el	6648 Jun 09 22:14	25°♎07'38	27°54'15
morning max el	6647 Jun 28 17:10	13°♎15'48	27°37'57		6648 Jun 14 09:10	0°♏	
	6647 Jul 12 00:40	0°♏			6648 Jul 04 11:29	0°♏	
	6647 Jul 28 23:38	0°♐		morning set	6648 Jul 13 14:28	17°♏25'22	
morning set	6647 Jul 30 12:57	3°♐12'21		asc. node	6648 Jul 17 18:48	26°♏09'31	
asc. node	6647 Jul 31 21:47	6°♐04'59		max. Earth dist.	6648 Jul 19 04:43	29°♏11'46	1.32212 AU
max. Earth dist.	6647 Aug 05 21:11	16°♐52'40	1.31821 AU		6648 Jul 19 13:38	0°♑	
	6647 Aug 06 16:54	18°♐41'29	0°56'48	superior conj	6648 Jul 21 02:31	3°♐20'41	0°33'44
superior conj	6647 Aug 06 14:47	18°♐29'47	0°56'22	minimum elong	6648 Jul 21 01:02	3°♐12'35	0°33'22
minimum elong	6647 Aug 11 20:14	0°♒		evening rise	6648 Jul 27 22:54	18°♐16'02	
evening rise	6647 Aug 13 11:26	3°♒30'57			6648 Aug 02 16:18	0°♒	
	6647 Aug 27 12:43	0°♓		evening max el	6648 Aug 21 22:05	28°♒24'36	24°19'48
desc. node	6647 Sep 05 10:37	12°♓30'03		desc. node	6648 Aug 22 07:40	28°♒47'23	
evening max el	6647 Sep 10 08:19	17°♓47'04	25°48'35		6648 Aug 23 16:04	0°♔	
retrograde	6647 Sep 24 07:05	24°♓52'14		retrograde	6648 Sep 04 17:16	5°♔20'41	
evening set	6647 Sep 30 12:19	23°♓20'49		evening set	6648 Sep 09 16:12	4°♔26'16	
min. Earth dist.	6647 Oct 04 20:45	20°♓44'52	0.58327 AU	min. Earth dist.	6648 Sep 15 09:03	1°♔33'31	0.56486 AU
inferior conj	6647 Oct 08 00:18	18°♓29'30	-5°07'20	inferior conj	6648 Sep 17 21:57	29°♔58'03	-5°26'15
minimum elong	6647 Oct 08 05:26	18°♓20'16	5°06'35	minimum elong	6648 Sep 17 21:40	29°♔58'30	5°26'16
morning rise	6647 Oct 16 00:52	14°♔07'20			6648 Sep 17 20:43	30°♔	
direct	6647 Oct 18 09:58	13°♔49'14		morning rise	6648 Sep 26 05:24	25°♔56'43	
morning max el	6647 Oct 26 19:18	17°♔51'00	18°41'13	direct	6648 Sep 28 21:37	25°♔37'38	
asc. node	6647 Oct 27 21:08	18°♔56'37			6648 Oct 08 10:03	0°♕	
	6647 Nov 04 14:56	0°♕		morning max el	6648 Oct 08 15:08	0°♕11'52	19°39'10
morning set	6647 Nov 12 01:28	13°♕52'25		asc. node	6648 Oct 13 18:08	6°♕13'16	
	6647 Nov 20 09:50	0°♖		morning set	6648 Oct 26 04:24	28°♕22'04	
					6648 Oct 26 23:49	0°♗	
superior conj	6647 Nov 20 17:42	0°♖37'03	1°18'04	superior conj	6648 Nov 03 01:59	14°♗16'12	1°33'57
minimum elong	6647 Nov 20 21:06	0°♖53'00	1°17'44	minimum elong	6648 Nov 03 04:12	14°♗27'07	1°33'49
max. Earth dist.	6647 Nov 27 23:14	13°♖46'15	1.39702 AU	max. Earth dist.	6648 Nov 09 04:27	25°♗58'41	1.37575 AU
evening rise	6647 Dec 02 00:36	20°♖45'00			6648 Nov 11 09:05	0°♘	
desc. node	6647 Dec 02 09:45	21°♖23'33		evening rise	6648 Nov 12 22:28	2°♘47'43	
	6647 Dec 07 15:53	0°♙					

desc. node	6648 Nov 18 06:49	12°♌00'55		minimum elong	6649 Oct 17 22:13	28°♊31'26	1°41'29
	6648 Nov 29 18:30	0°♌			6649 Oct 18 15:28	0°♌	
evening max el	6648 Dec 18 13:57	23°♌42'21	25°20'07	max. Earth dist.	6649 Oct 22 13:45	7°♌53'33	1.35631 AU
	6648 Dec 27 07:31	0°♌		evening rise	6649 Oct 26 15:09	15°♌41'12	
retrograde	6648 Dec 30 15:54	0°♌40'14			6649 Nov 03 16:34	0°♌	
	6649 Jan 02 18:46	30°♌3		desc. node	6649 Nov 05 03:51	2°♌26'56	
evening set	6649 Jan 05 11:39	28°♌15'32			6649 Nov 24 07:53	0°♌	
asc. node	6649 Jan 09 17:25	23°♌36'37		evening max el	6649 Dec 01 03:00	7°♌26'35	26°24'02
min. Earth dist.	6649 Jan 09 22:00	23°♌21'59	0.67427 AU	retrograde	6649 Dec 13 22:57	14°♌39'36	
inferior conj	6649 Jan 11 02:39	21°♌49'15	0°27'49	evening set	6649 Dec 20 07:35	12°♌05'12	
minimum elong	6649 Jan 11 01:58	21°♌51'29	0°27'35	min. Earth dist.	6649 Dec 24 11:17	7°♌46'46	0.66464 AU
morning rise	6649 Jan 16 16:35	15°♌53'49		inferior conj	6649 Dec 26 03:22	5°♌45'15	-0°29'44
direct	6649 Jan 20 03:28	14°♌45'08		minimum elong	6649 Dec 26 04:11	5°♌42'47	0°29'20
morning max el	6649 Jan 27 05:50	18°♌41'52	19°21'24	asc. node	6649 Dec 27 14:29	4°♌00'43	
	6649 Feb 05 04:35	0°♌		morning rise	6650 Jan 01 01:29	29°♌59'51	
greatest brilliancy	6649 Feb 09 09:23	6°♌10'01	-0.7m		6650 Jan 01 01:22	30°♌♌	
desc. node	6649 Feb 14 06:05	13°♌31'56		direct	6650 Jan 04 01:51	29°♌08'31	
morning set	6649 Feb 20 11:23	23°♌05'57			6650 Jan 07 04:23	0°♌	
	6649 Feb 24 22:15	0°♌		morning max el	6650 Jan 10 16:47	2°♌44'15	18°33'51
max. Earth dist.	6649 Mar 05 13:02	13°♌29'15	1.44821 AU		6650 Jan 29 15:07	0°♌	
				morning set	6650 Jan 31 06:58	2°♌37'48	
superior conj	6649 Mar 09 03:15	19°♌11'05	-2°02'34	desc. node	6650 Feb 01 03:06	3°♌57'30	
minimum elong	6649 Mar 08 21:10	18°♌46'53	2°02'14				
	6649 Mar 15 20:27	0°♌		superior conj	6650 Feb 16 08:37	27°♌54'53	-1°34'43
evening rise	6649 Mar 23 09:03	12°♌23'32		minimum elong	6650 Feb 15 23:03	27°♌17'24	1°33'45
	6649 Apr 03 02:05	0°♌		max. Earth dist.	6650 Feb 16 07:39	27°♌51'04	1.45400 AU
asc. node	6649 Apr 07 16:38	6°♌48'29			6650 Feb 17 16:33	0°♌	
evening max el	6649 Apr 11 12:52	11°♌23'40	18°21'11	evening rise	6650 Mar 04 01:41	22°♌40'57	
retrograde	6649 Apr 17 23:00	14°♌50'54			6650 Mar 08 16:02	0°♌	
evening set	6649 Apr 20 23:53	14°♌00'35		greatest brilliancy	6650 Mar 12 19:28	6°♌33'40	-0.8m
inferior conj	6649 Apr 26 21:04	8°♌34'40	3°24'14	asc. node	6650 Mar 25 13:42	24°♌29'31	
minimum elong	6649 Apr 26 22:04	8°♌31'48	3°24'08	evening max el	6650 Mar 25 23:29	24°♌54'50	18°53'27
min. Earth dist.	6649 Apr 29 05:46	5°♌52'11	0.64104 AU	retrograde	6650 Apr 01 17:26	28°♌40'49	
morning rise	6649 May 02 19:19	2°♌22'25		evening set	6650 Apr 05 01:19	27°♌36'50	
	6649 May 07 02:00	30°♌♌		inferior conj	6650 Apr 10 15:18	21°♌54'01	3°27'42
direct	6649 May 09 13:50	29°♌38'32		minimum elong	6650 Apr 10 14:54	21°♌55'18	3°27'39
	6649 May 12 04:14	0°♌		min. Earth dist.	6650 Apr 12 08:25	19°♌45'28	0.65775 AU
desc. node	6649 May 13 05:28	0°♌20'01		morning rise	6650 Apr 16 04:01	15°♌38'12	
morning max el	6649 May 23 07:11	7°♌37'21	27°33'37	direct	6650 Apr 22 15:42	12°♌49'54	
	6649 Jun 09 12:43	0°♌		desc. node	6650 Apr 30 02:29	15°♌41'35	
	6649 Jun 26 17:31	0°♌		morning max el	6650 May 05 17:30	20°♌34'30	26°41'46
morning set	6649 Jun 27 08:16	1°♌12'32			6650 May 13 20:13	0°♌	
max. Earth dist.	6649 Jul 02 05:25	11°♌07'58	1.33068 AU		6650 Jun 02 15:55	0°♌	
asc. node	6649 Jul 04 15:51	16°♌16'09		morning set	6650 Jun 10 15:09	14°♌24'50	
				max. Earth dist.	6650 Jun 14 20:03	22°♌35'28	1.34396 AU
superior conj	6649 Jul 05 08:19	17°♌44'01	0°07'04		6650 Jun 18 11:45	0°♌	
minimum elong	6649 Jul 05 07:58	17°♌42'08	0°06'57				
behind sun begin	6649 Jul 05 03:04	17°♌15'56		superior conj	6650 Jun 19 08:04	1°♌44'59	-0°22'21
behind sun end	6649 Jul 05 12:53	18°♌08'23		minimum elong	6650 Jun 19 09:18	1°♌51'21	0°22'08
	6649 Jul 11 01:08	0°♌		asc. node	6650 Jun 21 12:55	6°♌20'48	
evening rise	6649 Jul 12 10:27	2°♌57'31		evening rise	6650 Jun 26 20:08	17°♌29'18	
	6649 Jul 27 05:56	0°♌			6650 Jul 03 02:29	0°♌	
evening max el	6649 Aug 03 10:36	8°♌41'43	22°41'22	evening max el	6650 Jul 16 06:14	19°♌12'39	21°09'08
desc. node	6649 Aug 09 04:42	13°♌09'05		desc. node	6650 Jul 27 01:44	25°♌02'54	
retrograde	6649 Aug 16 14:40	15°♌15'37		retrograde	6650 Jul 28 03:51	25°♌05'46	
evening set	6649 Aug 20 01:10	14°♌49'44		evening set	6650 Jul 30 10:46	24°♌53'31	
min. Earth dist.	6649 Aug 27 18:17	11°♌24'58	0.55196 AU	inferior conj	6650 Aug 08 18:06	20°♌55'39	-3°37'37
inferior conj	6649 Aug 29 01:01	10°♌41'11	-4°58'23	minimum elong	6650 Aug 08 09:06	21°♌08'20	3°34'54
minimum elong	6649 Aug 28 17:57	10°♌51'17	4°57'13	min. Earth dist.	6650 Aug 09 03:50	20°♌41'58	0.54733 AU
morning rise	6649 Sep 06 12:42	6°♌51'58		morning rise	6650 Aug 17 07:59	17°♌00'29	
direct	6649 Sep 09 15:32	6°♌29'35		direct	6650 Aug 20 23:59	16°♌31'37	
morning max el	6649 Sep 20 22:27	11°♌45'48	20°59'00	morning max el	6650 Sep 02 18:30	22°♌35'40	22°36'39
asc. node	6649 Sep 30 15:10	24°♌21'28			6650 Sep 09 06:03	0°♌	
	6649 Oct 03 20:57	0°♌		asc. node	6650 Sep 17 12:14	13°♌09'00	
morning set	6649 Oct 10 12:16	13°♌04'56		morning set	6650 Sep 24 23:01	27°♌55'14	
					6650 Sep 25 22:37	0°♌	
superior conj	6649 Oct 17 21:27	28°♌27'31	1°41'28				

superior conj	6650 Oct 02 00:40	13°♌01'06	1°41'48	morning set	6651 Sep 09 10:44	12°♏46'21	
minimum elong	6650 Oct 02 00:07	12°♌58'08	1°41'49				
max. Earth dist.	6650 Oct 05 06:42	19°♌51'08	1.34024 AU	superior conj	6651 Sep 16 08:50	27°♏47'17	1°35'55
evening rise	6650 Oct 09 22:37	29°♌15'26		minimum elong	6651 Sep 16 07:16	27°♏38'50	1°35'48
	6650 Oct 10 07:44	0°♍			6651 Sep 17 09:16	0°♌	
desc. node	6650 Oct 23 00:54	22°♍36'06		max. Earth dist.	6651 Sep 18 07:50	2°♌01'56	1.32838 AU
	6650 Oct 27 19:31	0°♎		evening rise	6651 Sep 23 17:00	13°♌19'15	
evening max el	6650 Nov 13 15:51	21°♎00'42	27°08'50		6651 Oct 02 11:27	0°♍	
retrograde	6650 Nov 27 00:20	28°♎19'36		desc. node	6651 Oct 09 21:56	12°♍20'01	
evening set	6650 Dec 03 19:53	25°♎41'12			6651 Oct 23 01:38	0°♎	
min. Earth dist.	6650 Dec 07 17:30	21°♎57'29	0.65149 AU	evening max el	6651 Oct 27 03:09	4°♎12'37	27°27'52
inferior conj	6650 Dec 09 21:25	19°♎32'49	-1°32'34	retrograde	6651 Nov 09 19:27	11°♎30'27	
minimum elong	6650 Dec 10 00:09	19°♎25'13	1°31'24	evening set	6651 Nov 16 21:47	8°♎56'41	
asc. node	6650 Dec 14 11:31	15°♎04'11		min. Earth dist.	6651 Nov 20 14:42	5°♎44'51	0.63499 AU
morning rise	6650 Dec 16 05:37	14°♎00'17		inferior conj	6651 Nov 23 06:10	3°♎05'16	-2°38'43
direct	6650 Dec 18 21:30	13°♎22'34		minimum elong	6651 Nov 23 10:58	2°♎53'08	2°36'51
morning max el	6650 Dec 25 08:21	16°♎48'04	18°02'55		6651 Nov 26 13:06	30°♏♍	
	6651 Jan 04 00:03	0°♐		morning rise	6651 Nov 30 01:53	27°♏48'31	
morning set	6651 Jan 12 08:08	13°♐38'25		asc. node	6651 Dec 01 08:33	27°♏26'46	
desc. node	6651 Jan 19 00:08	24°♐33'55		direct	6651 Dec 02 11:36	27°♏20'33	
	6651 Jan 22 08:54	0°♑			6651 Dec 08 06:15	0°♎	
				morning max el	6651 Dec 09 01:31	0°♎45'12	17°49'13
superior conj	6651 Jan 26 16:22	6°♑52'40	-0°52'29	morning set	6651 Dec 25 11:38	25°♎55'16	
minimum elong	6651 Jan 26 10:04	6°♑27'42	0°51'37		6651 Dec 27 20:16	0°♐	
max. Earth dist.	6651 Jan 30 03:18	12°♑20'01	1.45230 AU	desc. node	6652 Jan 05 21:08	15°♐16'51	
	6651 Feb 10 11:32	0°♑					
evening rise	6651 Feb 11 21:57	2°♑13'02		superior conj	6652 Jan 06 19:49	16°♐50'20	-0°06'46
greatest brilliancy	6651 Feb 25 10:28	22°♑51'29	-0.7m	minimum elong	6652 Jan 06 19:06	16°♐47'21	0°06'37
	6651 Mar 02 09:09	0°♒		behind sun begin	6652 Jan 06 10:16	16°♐11'02	
evening max el	6651 Mar 09 05:49	8°♒29'20	19°42'18	behind sun end	6652 Jan 07 03:55	17°♐23'36	
asc. node	6651 Mar 12 10:45	11°♒14'48		max. Earth dist.	6652 Jan 12 21:06	26°♐38'30	1.44344 AU
retrograde	6651 Mar 16 15:07	12°♒44'45			6652 Jan 14 23:51	0°♑	
evening set	6651 Mar 20 06:50	11°♒26'35		evening rise	6652 Jan 22 08:37	11°♑28'39	
inferior conj	6651 Mar 25 16:35	5°♒28'54	3°17'16		6652 Feb 03 15:30	0°♑	
minimum elong	6651 Mar 25 15:06	5°♒33'50	3°17'04	evening max el	6652 Feb 20 06:47	22°♑05'25	20°45'29
min. Earth dist.	6651 Mar 26 18:52	4°♒01'33	0.67021 AU	asc. node	6652 Feb 27 07:46	26°♑49'46	
	6651 Mar 30 03:29	30°♒♑		retrograde	6652 Feb 28 13:34	26°♑57'52	
morning rise	6651 Mar 30 23:06	29°♑12'43		evening set	6652 Mar 03 14:23	25°♑24'57	
direct	6651 Apr 05 23:41	26°♑31'26		inferior conj	6652 Mar 08 22:17	19°♑14'52	2°55'39
	6651 Apr 13 22:37	0°♒		minimum elong	6652 Mar 08 20:09	19°♑22'13	2°55'12
desc. node	6651 Apr 16 23:30	2°♒39'15		min. Earth dist.	6652 Mar 09 11:02	18°♑30'58	0.67829 AU
morning max el	6651 Apr 18 03:10	3°♒47'28	25°27'18	morning rise	6652 Mar 14 01:42	13°♑00'26	
	6651 May 08 03:23	0°♓		direct	6652 Mar 19 12:54	10°♑34'45	
morning set	6651 May 24 06:53	26°♓50'50		morning max el	6652 Mar 30 11:59	17°♑07'51	24°00'24
	6651 May 26 00:16	0°♔		desc. node	6652 Apr 02 20:30	20°♑46'15	
max. Earth dist.	6651 May 27 23:41	3°♔41'03	1.36173 AU		6652 Apr 10 04:44	0°♒	
					6652 Apr 30 04:08	0°♓	
superior conj	6651 Jun 02 23:00	15°♔16'24	-0°53'07	morning set	6652 May 05 02:01	8°♓15'58	
minimum elong	6651 Jun 03 02:05	15°♔31'45	0°52'35	max. Earth dist.	6652 May 08 19:52	14°♓49'23	1.38284 AU
asc. node	6651 Jun 08 09:58	26°♔19'24					
	6651 Jun 10 05:09	0°♕		superior conj	6652 May 16 01:41	28°♓09'51	-1°23'08
evening rise	6651 Jun 11 01:47	1°♕44'57		minimum elong	6652 May 16 06:27	28°♓32'31	1°22'29
	6651 Jun 28 05:35	0°♌			6652 May 17 00:47	0°♔	
evening max el	6651 Jun 28 14:22	0°♌21'59	19°53'12	evening rise	6652 May 25 00:45	15°♔37'25	
retrograde	6651 Jul 08 19:23	5°♌22'54		asc. node	6652 May 25 06:59	16°♔08'00	
evening set	6651 Jul 10 16:30	5°♌13'27			6652 Jun 01 16:05	0°♕	
desc. node	6651 Jul 13 22:46	4°♌16'14		evening max el	6652 Jun 10 10:52	12°♕15'43	18°57'28
inferior conj	6651 Jul 19 15:32	1°♌12'36	-1°43'15	retrograde	6652 Jun 19 00:50	16°♕29'02	
minimum elong	6651 Jul 19 10:45	1°♌19'54	1°41'30	evening set	6652 Jun 21 00:51	16°♕16'11	
min. Earth dist.	6651 Jul 21 15:50	29°♕59'01	0.55239 AU	inferior conj	6652 Jun 29 05:44	12°♕00'29	0°10'28
	6651 Jul 21 15:10	30°♕♕		minimum elong	6652 Jun 29 06:09	11°♕59'44	0°10'15
morning rise	6651 Jul 28 03:05	26°♕50'50		transit middle	6652 Jun 29 06:09	11°♕59'44	0°10'15
direct	6651 Aug 01 12:59	26°♕08'04		transit begin	6652 Jun 29 03:16	12°♕04'49	
	6651 Aug 11 19:40	0°♌		transit end	6652 Jun 29 09:02	11°♕54'39	
morning max el	6651 Aug 15 08:16	2°♌57'21	24°21'40	desc. node	6652 Jun 29 19:47	11°♕35'40	
	6651 Sep 03 03:07	0°♍		min. Earth dist.	6652 Jul 02 07:17	9°♕51'56	0.56624 AU
asc. node	6651 Sep 04 09:15	2°♍25'10		morning rise	6652 Jul 07 08:07	7°♕02'26	



































































































































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morning max el	6652 Jul 26 22:18	13°☿18'17	25°58'25		6653 Jul 14 02:24	0°☿	
	6652 Aug 09 01:29	0°♄			6653 Aug 02 04:58	0°♄	
asc. node	6652 Aug 21 06:17	22°♄02'32		morning set	6653 Aug 08 06:42	12°♄12'20	
morning set	6652 Aug 23 21:50	27°♄33'46		asc. node	6653 Aug 08 03:18	11°♄54'26	
	6652 Aug 25 01:12	0°♄					
superior conj	6652 Aug 30 19:45	12°♄39'18	1°24'32	superior conj	6653 Aug 15 07:34	27°♄30'47	1°08'13
minimum elong	6652 Aug 30 17:37	12°♄27'31	1°24'15	minimum elong	6653 Aug 15 05:18	27°♄18'15	1°07'49
max. Earth dist.	6652 Aug 31 15:20	14°♄27'16	1.32102 AU	max. Earth dist.	6653 Aug 15 02:00	26°♄59'55	1.31803 AU
evening rise	6652 Sep 06 19:15	27°♄44'12			6653 Aug 16 10:31	0°♄	
	6652 Sep 07 21:29	0°♄		evening rise	6653 Aug 22 02:46	12°♄22'21	
	6652 Sep 24 18:54	0°♄			6653 Aug 31 00:47	0°♄	
desc. node	6652 Sep 25 18:57	1°♄28'25		desc. node	6653 Sep 12 16:00	19°♄47'16	
evening max el	6652 Oct 08 10:49	16°♄49'52	27°15'30	evening max el	6653 Sep 20 12:10	28°♄41'16	26°29'20
retrograde	6652 Oct 22 07:17	24°♄02'33			6653 Sep 21 22:51	0°♄	
evening set	6652 Oct 29 09:43	21°♄44'31		retrograde	6653 Oct 04 10:24	5°♄48'17	
min. Earth dist.	6652 Nov 02 01:32	18°♄57'26	0.61576 AU	evening set	6653 Oct 11 03:07	3°♄57'17	
inferior conj	6652 Nov 05 02:30	16°♄14'48	-3°44'16	min. Earth dist.	6653 Oct 15 01:42	1°♄22'25	0.59506 AU
minimum elong	6652 Nov 05 08:58	16°♄00'21	3°42'13		6653 Oct 16 20:32	30°♄	
morning rise	6652 Nov 12 10:18	11°♄17'02		inferior conj	6653 Oct 18 06:59	28°♄52'17	-4°42'04
direct	6652 Nov 14 16:52	10°♄55'13		minimum elong	6653 Oct 18 13:29	28°♄39'37	4°40'40
asc. node	6652 Nov 17 05:34	11°♄23'15		morning rise	6653 Oct 26 02:02	24°♄16'31	
morning max el	6652 Nov 21 17:05	14°♄27'21	17°53'45	direct	6653 Oct 28 09:09	23°♄57'42	
	6652 Dec 02 08:53	0°♄		asc. node	6653 Nov 04 02:36	26°♄48'54	
morning set	6652 Dec 07 10:56	9°♄08'32		morning max el	6653 Nov 05 03:42	27°♄45'49	18°17'55
					6653 Nov 07 05:12	0°♄	
superior conj	6652 Dec 18 01:19	28°♄03'17	0°33'38	morning set	6653 Nov 21 00:16	23°♄01'19	
minimum elong	6652 Dec 18 04:06	28°♄15'20	0°33'16		6653 Nov 24 16:23	0°♄	
	6652 Dec 19 04:25	0°♄		superior conj	6653 Nov 30 06:39	10°♄25'07	1°04'42
desc. node	6652 Dec 22 18:08	6°♄02'50		minimum elong	6653 Nov 30 10:20	10°♄41'54	1°04'16
max. Earth dist.	6652 Dec 25 11:10	10°♄32'01	1.42849 AU	max. Earth dist.	6653 Dec 07 20:46	23°♄49'09	1.40918 AU
evening rise	6653 Jan 01 01:26	21°♄06'56		desc. node	6653 Dec 09 15:10	26°♄48'41	
	6653 Jan 06 19:23	0°♄			6653 Dec 11 13:06	0°♄	
	6653 Jan 28 01:29	0°♄		evening rise	6653 Dec 12 12:30	1°♄36'17	
evening max el	6653 Feb 02 02:28	5°♄43'10	21°59'15		6653 Dec 31 04:58	0°♄	
retrograde	6653 Feb 11 10:46	11°♄15'56		evening max el	6654 Jan 15 18:07	19°♄24'12	23°18'36
asc. node	6653 Feb 13 04:47	10°♄59'57		retrograde	6654 Jan 26 05:23	25°♄35'45	
evening set	6653 Feb 15 22:11	9°♄27'44		evening set	6654 Jan 31 04:47	23°♄32'14	
inferior conj	6653 Feb 21 06:12	3°♄08'10	2°24'33	asc. node	6654 Jan 31 01:49	23°♄38'25	
minimum elong	6653 Feb 21 03:52	3°♄16'18	2°23'54	min. Earth dist.	6654 Feb 05 03:20	17°♄45'02	0.68214 AU
min. Earth dist.	6653 Feb 21 06:37	3°♄06'46	0.68222 AU	inferior conj	6654 Feb 05 14:30	17°♄06'39	1°45'07
	6653 Feb 23 13:56	30°♄		minimum elong	6654 Feb 05 12:25	17°♄13'46	1°44'26
morning rise	6653 Feb 26 09:23	26°♄57'06		morning rise	6654 Feb 10 20:00	11°♄00'24	
direct	6653 Mar 03 06:18	24°♄52'16		direct	6654 Feb 15 02:49	9°♄18'23	
	6653 Mar 12 08:28	0°♄		morning max el	6654 Feb 23 14:06	14°♄11'31	21°07'42
morning max el	6653 Mar 12 22:19	0°♄34'14	22°31'02	desc. node	6654 Mar 07 14:29	29°♄15'17	
desc. node	6653 Mar 20 17:29	9°♄42'41			6654 Mar 08 03:10	0°♄	
	6653 Apr 04 01:23	0°♄		morning set	6654 Mar 26 07:56	27°♄17'22	
morning set	6653 Apr 15 18:46	18°♄24'29			6654 Mar 28 01:11	0°♄	
max. Earth dist.	6653 Apr 20 16:21	26°♄34'19	1.40511 AU	max. Earth dist.	6654 Apr 02 19:22	9°♄15'47	1.42562 AU
	6653 Apr 22 16:26	0°♄					
superior conj	6653 Apr 28 11:41	10°♄13'49	-1°49'11	superior conj	6654 Apr 10 00:13	21°♄17'47	-2°06'37
minimum elong	6653 Apr 28 17:03	10°♄38'02	1°48'43	minimum elong	6654 Apr 10 03:37	21°♄32'17	2°06'30
evening rise	6653 May 08 13:43	28°♄57'19			6654 Apr 15 00:42	0°♄	
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asc. node	6653 May 12 04:00	5°♄41'08		asc. node	6654 Apr 29 01:01	24°♄53'23	
evening max el	6653 May 24 16:29	24°♄46'06	18°22'12		6654 May 02 04:23	0°♄	
retrograde	6653 Jun 01 01:25	28°♄26'33		evening max el	6654 May 08 03:29	7°♄43'49	18°06'47
evening set	6653 Jun 03 08:27	28°♄06'09		retrograde	6654 May 14 19:23	11°♄07'51	
inferior conj	6653 Jun 10 17:27	23°♄30'08	1°40'21	evening set	6654 May 17 09:34	10°♄37'08	
minimum elong	6653 Jun 10 20:28	23°♄23'54	1°39'21	inferior conj	6654 May 24 01:29	5°♄40'33	2°40'33
min. Earth dist.	6653 Jun 14 03:29	20°♄42'28	0.58601 AU	minimum elong	6654 May 24 04:33	5°♄33'12	2°39'48
desc. node	6653 Jun 16 16:48	18°♄52'36		min. Earth dist.	6654 May 27 06:50	2°♄36'56	0.60818 AU
morning rise	6653 Jun 18 05:18	17°♄59'00		morning rise	6654 May 30 21:14	29°♄45'46	
direct	6653 Jun 24 08:11	16°♄20'00			6654 May 30 12:42	30°♄	
				desc. node	6654 Jun 03 13:49	28°♄00'27	

direct	6654 Jun 06 12:28	27°♄34'55		desc. node	6655 May 21 10:51	9°♄46'14	
	6654 Jun 13 23:51	0°♄		morning max el	6655 Jun 03 02:40	17°♄42'41	27°49'48
morning max el	6654 Jun 20 19:19	5°♄32'12	27°49'35		6655 Jun 13 08:47	0°♄	
	6654 Jul 09 02:30	0°♄			6655 Jul 01 21:59	0°♄	
morning set	6654 Jul 23 11:32	26°♄36'43		morning set	6655 Jul 07 10:11	10°♄40'39	
	6654 Jul 25 02:28	0°♄		max. Earth dist.	6655 Jul 12 17:17	21°♄40'26	1.32518 AU
asc. node	6654 Jul 26 00:19	1°♄55'45		asc. node	6655 Jul 12 21:21	22°♄02'06	
max. Earth dist.	6654 Jul 29 12:01	9°♄28'32	1.31938 AU				
				superior conj	6655 Jul 15 02:48	26°♄49'50	0°22'48
superior conj	6654 Jul 30 18:31	12°♄16'06	0°47'28	minimum elong	6655 Jul 15 01:45	26°♄44'05	0°22'32
minimum elong	6654 Jul 30 16:36	12°♄05'35	0°47'04		6655 Jul 16 13:48	0°♄	
evening rise	6654 Aug 06 13:23	27°♄06'52		evening rise	6655 Jul 22 01:10	11°♄51'43	
	6654 Aug 07 22:03	0°♄			6655 Jul 31 05:24	0°♄	
	6654 Aug 24 22:56	0°♄		evening max el	6655 Aug 14 17:33	20°♄06'55	23°38'02
desc. node	6654 Aug 30 13:02	6°♄56'28		desc. node	6655 Aug 17 10:04	22°♄29'17	
evening max el	6654 Sep 02 05:28	9°♄42'13	25°12'58	retrograde	6655 Aug 28 08:15	26°♄56'38	
retrograde	6654 Sep 16 03:09	16°♄44'04		evening set	6655 Sep 01 15:41	26°♄15'52	
evening set	6654 Sep 21 21:15	15°♄28'21		min. Earth dist.	6655 Sep 08 03:30	23°♄11'05	0.55847 AU
min. Earth dist.	6654 Sep 26 16:59	12°♄47'45	0.57497 AU	inferior conj	6655 Sep 10 05:34	21°♄56'15	-5°21'02
inferior conj	6654 Sep 29 16:20	10°♄47'32	-5°20'03	minimum elong	6655 Sep 10 02:13	22°♄01'15	5°20'47
minimum elong	6654 Sep 29 19:36	10°♄41'59	5°19'46	morning rise	6655 Sep 18 15:08	18°♄02'05	
morning rise	6654 Oct 07 20:14	6°♄34'59		direct	6655 Sep 21 11:21	17°♄42'03	
direct	6654 Oct 10 08:04	6°♄16'38		morning max el	6655 Oct 01 20:39	22°♄32'53	20°10'39
morning max el	6654 Oct 19 05:51	10°♄30'28	19°03'16		6655 Oct 08 01:44	0°♄	
asc. node	6654 Oct 21 23:38	13°♄29'31		asc. node	6655 Oct 08 20:41	1°♄10'11	
	6654 Nov 01 04:43	0°♄		morning set	6655 Oct 20 04:31	21°♄56'28	
morning set	6654 Nov 04 23:11	7°♄20'10			6655 Oct 24 02:44	0°♄	
				superior conj	6655 Oct 27 20:09	7°♄35'11	1°38'04
superior conj	6654 Nov 13 06:35	23°♄40'23	1°25'54	minimum elong	6655 Oct 27 21:45	7°♄43'14	1°38'02
minimum elong	6654 Nov 13 09:33	23°♄54'37	1°25'40	max. Earth dist.	6655 Nov 02 08:31	18°♄23'53	1.36708 AU
	6654 Nov 16 14:48	0°♄		evening rise	6655 Nov 06 04:16	25°♄30'48	
max. Earth dist.	6654 Nov 20 02:31	6°♄22'56	1.38784 AU		6655 Nov 08 16:24	0°♄	
evening rise	6654 Nov 23 21:54	13°♄05'11		desc. node	6655 Nov 13 09:15	8°♄03'17	
desc. node	6654 Nov 26 12:12	17°♄30'08			6655 Nov 27 19:17	0°♄	
	6654 Dec 04 06:12	0°♄		evening max el	6655 Dec 11 20:07	16°♄52'54	25°49'08
	6654 Dec 26 07:52	0°♄		retrograde	6655 Dec 24 06:36	23°♄59'22	
evening max el	6654 Dec 29 07:23	3°♄07'50	24°37'33	evening set	6655 Dec 30 07:56	21°♄29'47	
retrograde	6655 Jan 09 20:18	9°♄52'02		min. Earth dist.	6656 Jan 03 15:16	16°♄51'11	0.67057 AU
evening set	6655 Jan 15 08:35	7°♄34'10		asc. node	6656 Jan 04 19:56	15°♄20'47	
asc. node	6655 Jan 17 22:52	4°♄53'38		inferior conj	6656 Jan 05 00:50	15°♄05'17	0°04'08
min. Earth dist.	6655 Jan 19 22:58	2°♄21'04	0.67820 AU	minimum elong	6656 Jan 05 00:43	15°♄05'37	0°04'08
inferior conj	6655 Jan 20 21:19	1°♄06'41	0°58'06	transit middle	6656 Jan 05 00:43	15°♄05'37	0°04'08
minimum elong	6655 Jan 20 19:59	1°♄11'08	0°57'36	transit begin	6656 Jan 04 21:59	15°♄14'16	
	6655 Jan 21 17:29	30°♄		transit end	6656 Jan 05 03:27	14°♄56'59	
morning rise	6655 Jan 26 07:32	25°♄06'54		morning rise	6656 Jan 10 18:00	9°♄13'54	
direct	6655 Jan 30 01:12	23°♄46'55		direct	6656 Jan 14 00:04	8°♄13'14	
morning max el	6655 Feb 06 13:38	28°♄00'54	19°56'03	morning max el	6656 Jan 20 20:51	11°♄59'56	18°59'11
	6655 Feb 08 10:25	0°♄			6656 Feb 03 04:29	0°♄	
desc. node	6655 Feb 22 11:30	19°♄13'45		desc. node	6656 Feb 09 08:31	9°♄30'59	
	6655 Mar 01 14:35	0°♄		morning set	6656 Feb 12 10:25	14°♄18'27	
morning set	6655 Mar 05 05:06	5°♄31'56			6656 Feb 22 11:48	0°♄	
max. Earth dist.	6655 Mar 16 05:36	22°♄47'11	1.44167 AU	max. Earth dist.	6656 Feb 26 21:20	6°♄53'27	1.45151 AU
	6655 Mar 20 17:19	0°♄					
superior conj	6655 Mar 21 11:46	1°♄14'57	-2°09'32	superior conj	6656 Feb 29 00:45	10°♄15'48	-1°53'03
minimum elong	6655 Mar 21 09:36	1°♄06'11	2°09'29	minimum elong	6656 Feb 28 16:24	9°♄42'54	1°52'27
evening rise	6655 Apr 03 17:18	23°♄23'24			6656 Mar 12 09:08	0°♄	
	6655 Apr 07 13:59	0°♄		evening rise	6656 Mar 14 23:23	4°♄13'02	
asc. node	6655 Apr 15 22:04	13°♄37'51			6656 Mar 31 10:22	0°♄	
evening max el	6655 Apr 21 16:32	21°♄00'12	18°10'34	asc. node	6656 Apr 01 19:07	1°♄45'20	
retrograde	6655 Apr 28 02:13	24°♄22'43		evening max el	6656 Apr 04 04:45	4°♄27'48	18°32'47
evening set	6655 Apr 30 23:06	23°♄40'00		retrograde	6656 Apr 10 17:23	8°♄01'50	
inferior conj	6655 May 07 02:00	18°♄24'21	3°14'28	evening set	6656 Apr 13 21:04	7°♄05'58	
minimum elong	6655 May 07 03:51	18°♄19'17	3°14'10	inferior conj	6656 Apr 19 14:49	1°♄32'50	3°27'37
min. Earth dist.	6655 May 09 19:15	15°♄28'21	0.62972 AU	minimum elong	6656 Apr 19 15:11	1°♄31'43	3°27'34
morning rise	6655 May 13 07:12	12°♄16'00			6656 Apr 20 21:44	30°♄	
direct	6655 May 20 02:37	9°♄40'40		min. Earth dist.	6656 Apr 21 16:59	29°♄03'06	0.64860 AU

morning rise	6656 Apr 25 08:34	25°♈18'20		retrograde	6657 Mar 25 13:26	21°♈58'41	
direct	6656 May 02 00:49	22°♈30'44		evening set	6657 Mar 29 00:31	20°♈48'50	
desc. node	6656 May 07 07:52	23°♈58'05		inferior conj	6657 Apr 03 12:24	14°♈59'44	3°24'45
	6656 May 15 02:07	0°♈		minimum elong	6657 Apr 03 11:29	15°♈02'40	3°24'40
morning max el	6656 May 15 12:33	0°♈26'06	27°14'54	min. Earth dist.	6657 Apr 04 23:09	13°♈07'56	0.66358 AU
	6656 Jun 06 09:09	0°♈		morning rise	6657 Apr 08 22:05	8°♈43'35	
morning set	6656 Jun 19 23:49	24°♈14'49		direct	6657 Apr 15 05:37	5°♈56'43	
	6656 Jun 22 21:37	0°♈		desc. node	6657 Apr 24 04:52	10°♈04'28	
max. Earth dist.	6656 Jun 24 13:52	3°♈24'13	1.33571 AU	morning max el	6657 Apr 27 22:32	13°♈30'58	26°12'15
					6657 May 11 06:44	0°♈	
superior conj	6656 Jun 28 06:20	11°♈04'52	-0°05'09		6657 May 30 02:29	0°♈	
minimum elong	6656 Jun 28 06:36	11°♈06'17	0°05'09	morning set	6657 Jun 03 00:50	7°♈09'27	
behind sun begin	6656 Jun 28 01:19	10°♈38'23		max. Earth dist.	6657 Jun 06 23:24	14°♈39'42	1.35103 AU
behind sun end	6656 Jun 28 11:53	11°♈34'14					
asc. node	6656 Jun 28 18:22	12°♈08'31		superior conj	6657 Jun 12 02:44	24°♈54'56	-0°35'18
evening rise	6656 Jul 05 12:09	26°♈29'53		minimum elong	6657 Jun 12 04:44	25°♈05'07	0°34'58
	6656 Jul 07 04:24	0°♈			6657 Jun 14 14:03	0°♈	
	6656 Jul 25 21:34	0°♈		asc. node	6657 Jun 15 15:24	2°♈11'27	
evening max el	6656 Jul 26 08:09	0°♈26'20	22°00'38	evening rise	6657 Jun 19 20:24	10°♈55'59	
desc. node	6656 Aug 03 07:07	5°♈51'53			6657 Jun 29 21:45	0°♈	
retrograde	6656 Aug 08 01:31	6°♈45'12		evening max el	6657 Jul 08 08:58	11°♈12'42	20°34'28
evening set	6656 Aug 10 21:59	6°♈27'04		retrograde	6657 Jul 19 13:34	16°♈43'14	
min. Earth dist.	6656 Aug 19 12:55	2°♈44'13	0.54883 AU	desc. node	6657 Jul 21 04:08	16°♈36'52	
inferior conj	6656 Aug 20 02:56	2°♈24'34	-4°30'06	evening set	6657 Jul 21 14:21	16°♈33'06	
minimum elong	6656 Aug 19 18:09	2°♈36'54	4°28'06	inferior conj	6657 Jul 30 20:00	12°♈36'09	-2°51'10
	6656 Aug 24 16:47	30°♈		minimum elong	6657 Jul 30 12:17	12°♈47'16	2°48'34
morning rise	6656 Aug 28 15:48	28°♈35'01		min. Earth dist.	6657 Jul 31 23:22	11°♈56'48	0.54840 AU
direct	6656 Aug 31 23:37	28°♈10'30		morning rise	6657 Aug 08 09:39	8°♈31'45	
	6656 Sep 07 19:08	0°♈		direct	6657 Aug 12 08:58	7°♈57'51	
morning max el	6656 Sep 12 22:53	3°♈47'32	21°38'45	morning max el	6657 Aug 25 15:15	14°♈22'00	23°21'07
asc. node	6656 Sep 24 17:44	19°♈36'28			6657 Sep 06 17:16	0°♈	
	6656 Sep 30 07:03	0°♈		asc. node	6657 Sep 11 14:44	8°♈37'18	
morning set	6656 Oct 03 13:49	6°♈42'51		morning set	6657 Sep 18 01:09	21°♈34'00	
					6657 Sep 21 23:27	0°♈	
superior conj	6656 Oct 10 19:17	21°♈57'02	1°42'26	superior conj	6657 Sep 25 00:52	6°♈36'41	1°40'01
minimum elong	6656 Oct 10 19:27	21°♈57'55	1°42'27	minimum elong	6657 Sep 24 23:50	6°♈31'10	1°39'59
	6656 Oct 14 17:14	0°♈		max. Earth dist.	6657 Sep 27 17:05	12°♈19'03	1.33473 AU
max. Earth dist.	6656 Oct 14 20:25	0°♈16'03	1.34898 AU	evening rise	6657 Oct 02 16:17	22°♈31'14	
evening rise	6656 Oct 19 03:44	8°♈43'03			6657 Oct 06 12:56	0°♈	
desc. node	6656 Oct 30 06:17	28°♈22'51		desc. node	6657 Oct 17 03:19	18°♈22'20	
	6656 Oct 31 06:14	0°♈			6657 Oct 24 23:56	0°♈	
	6656 Nov 22 19:10	0°♈		evening max el	6657 Nov 05 21:50	14°♈01'06	27°20'35
evening max el	6656 Nov 23 09:11	0°♈34'09	26°45'57	retrograde	6657 Nov 19 10:06	21°♈19'31	
retrograde	6656 Dec 06 11:30	7°♈51'12		evening set	6657 Nov 26 09:07	18°♈42'18	
evening set	6656 Dec 13 00:55	5°♈14'26		min. Earth dist.	6657 Nov 30 04:40	15°♈12'26	0.64483 AU
min. Earth dist.	6656 Dec 17 01:58	1°♈10'38	0.65939 AU	inferior conj	6657 Dec 02 13:26	12°♈40'36	-2°00'28
	6656 Dec 18 02:09	30°♈		minimum elong	6657 Dec 02 17:03	12°♈30'54	1°58'56
inferior conj	6656 Dec 18 23:00	28°♈58'28	-0°55'52	asc. node	6657 Dec 08 14:02	7°♈28'36	
minimum elong	6656 Dec 19 00:35	28°♈53'49	0°55'08	morning rise	6657 Dec 09 02:22	7°♈14'05	
asc. node	6656 Dec 21 16:59	25°♈55'03		direct	6657 Dec 11 15:22	6°♈40'52	
morning rise	6656 Dec 25 01:11	23°♈17'59		morning max el	6657 Dec 18 02:33	10°♈04'55	17°54'54
direct	6656 Dec 27 21:36	22°♈32'58			6657 Dec 31 17:05	0°♈	
morning max el	6657 Jan 03 10:02	26°♈03'32	18°18'34	morning set	6658 Jan 04 07:32	6°♈03'39	
	6657 Jan 06 19:58	0°♈		desc. node	6658 Jan 13 02:32	20°♈41'17	
morning set	6657 Jan 22 18:25	24°♈27'58					
desc. node	6657 Jan 26 05:32	0°♈01'43		superior conj	6658 Jan 17 19:03	28°♈17'35	-0°32'52
	6657 Jan 26 05:06	0°♈		minimum elong	6658 Jan 17 15:12	28°♈02'04	0°32'16
					6658 Jan 18 20:36	0°♈	
superior conj	6657 Feb 07 04:36	18°♈59'02	-1°17'59	max. Earth dist.	6658 Jan 22 11:53	5°♈46'59	1.44936 AU
minimum elong	6657 Feb 06 19:44	18°♈24'12	1°16'55	evening rise	6658 Feb 02 20:51	23°♈29'07	
max. Earth dist.	6657 Feb 08 16:22	21°♈19'15	1.45413 AU		6658 Feb 07 02:59	0°♈	
	6657 Feb 14 05:31	0°♈		greatest brilliancy	6658 Feb 17 15:37	15°♈47'47	-0.6m
evening rise	6657 Feb 23 06:28	14°♈08'27			6658 Feb 28 05:56	0°♈	
	6657 Mar 05 10:17	0°♈		evening max el	6658 Mar 01 18:00	1°♈37'07	20°07'41
greatest brilliancy	6657 Mar 06 06:19	1°♈16'58	-0.8m	asc. node	6658 Mar 06 13:13	5°♈22'21	
evening max el	6657 Mar 18 13:49	18°♈01'34	19°12'24	retrograde	6658 Mar 09 11:35	6°♈07'06	
asc. node	6657 Mar 19 16:10	19°♈04'56					

evening set	6658 Mar 13 07:07	4° Υ 42'33		evening max el	6659 Feb 12 16:35	15° X 13'30	21°15'46
	6658 Mar 17 15:46	30° R X		retrograde	6659 Feb 21 09:44	20° X 22'55	
inferior conj	6658 Mar 18 15:48	28° X 39'25	3°09'18	asc. node	6659 Feb 21 10:15	20° X 22'55	
minimum elong	6658 Mar 18 14:00	28° X 45'32	3°09'01	evening set	6659 Feb 25 14:58	18° X 43'17	
min. Earth dist.	6658 Mar 19 12:09	27° X 30'39	0.67420 AU	inferior conj	6659 Mar 02 22:41	12° X 28'36	2°43'31
morning rise	6658 Mar 23 20:40	22° X 24'02		minimum elong	6659 Mar 02 20:24	12° X 36'28	2°42'59
direct	6658 Mar 29 15:49	19° X 48'36		min. Earth dist.	6659 Mar 03 05:58	12° X 03'21	0.68047 AU
morning max el	6658 Apr 10 07:32	26° X 47'02	24°51'19	morning rise	6659 Mar 08 01:41	6° X 15'33	
desc. node	6658 Apr 11 01:52	27° X 34'13		direct	6659 Mar 13 06:46	3° X 58'36	
	6658 Apr 13 07:15	0° Υ		morning max el	6659 Mar 23 16:45	10° X 10'10	23°22'11
	6658 May 04 21:30	0° B		desc. node	6659 Mar 28 22:53	16° X 04'08	
morning set	6658 May 16 08:27	19° B 11'06			6659 Apr 08 08:58	0° Υ	
max. Earth dist.	6658 May 19 23:18	25° B 43'16	1.37046 AU	morning set	6659 Apr 27 16:57	0° B 04'50	
	6658 May 22 06:29	0° II			6659 Apr 27 15:48	0° B	
				max. Earth dist.	6659 May 01 19:05	7° B 05'08	1.39233 AU
superior conj	6658 May 26 12:55	8° II 11'33	-1°06'04	superior conj	6659 May 09 09:02	20° B 44'52	-1°34'55
minimum elong	6658 May 26 16:46	8° II 30'24	1°05'28	minimum elong	6659 May 09 14:16	21° B 09'14	1°34'18
asc. node	6658 Jun 02 12:26	22° II 06'34			6659 May 14 06:24	0° II	
evening rise	6658 Jun 03 23:32	25° II 02'55		evening rise	6659 May 18 18:42	8° II 42'46	
	6658 Jun 06 11:22	0° B		asc. node	6659 May 20 09:27	11° II 49'18	
evening max el	6658 Jun 20 22:35	22° B 41'13	19°26'54		6659 May 30 22:00	0° B	
retrograde	6658 Jun 30 09:56	27° B 20'32		evening max el	6659 Jun 03 23:19	4° B 51'13	18°39'58
evening set	6658 Jul 02 07:29	27° B 10'08		retrograde	6659 Jun 11 23:43	8° B 49'05	
desc. node	6658 Jul 08 01:08	24° B 52'18		evening set	6659 Jun 14 02:24	8° B 33'32	
inferior conj	6658 Jul 10 23:25	23° B 03'40	-0°53'08	inferior conj	6659 Jun 21 22:39	4° B 09'14	0°52'10
minimum elong	6658 Jul 10 21:02	23° B 07'31	0°52'16	minimum elong	6659 Jun 22 00:32	4° B 05'40	0°51'27
min. Earth dist.	6658 Jul 13 12:20	21° B 25'49	0.55740 AU	desc. node	6659 Jun 24 22:09	1° B 54'59	
morning rise	6658 Jul 19 07:59	18° B 27'16		min. Earth dist.	6659 Jun 25 05:34	1° B 41'36	0.57405 AU
direct	6658 Jul 24 02:59	17° B 35'31			6659 Jun 27 18:56	30° R II	
morning max el	6658 Aug 07 04:16	24° B 39'46	25°04'50	morning rise	6659 Jun 29 19:14	28° II 55'54	
	6658 Aug 12 02:36	0° Ω		direct	6659 Jul 05 11:19	27° II 36'02	
asc. node	6658 Aug 29 11:45	28° Ω 03'54			6659 Jul 13 06:59	0° B	
	6658 Aug 30 10:49	0° M		morning max el	6659 Jul 19 20:18	5° B 09'45	26°33'16
morning set	6658 Sep 02 12:51	6° M 25'00			6659 Aug 07 00:25	0° Ω	
superior conj	6658 Sep 09 10:28	21° M 26'42	1°31'44	asc. node	6659 Aug 16 08:45	17° Ω 48'29	
minimum elong	6658 Sep 09 08:37	21° M 16'33	1°31'32	morning set	6659 Aug 17 23:14	21° Ω 09'58	
max. Earth dist.	6658 Sep 10 21:34	24° M 38'39	1.32475 AU		6659 Aug 22 01:15	0° M	
	6658 Sep 13 09:06	0° Ω		superior conj	6659 Aug 24 22:00	6° M 19'40	1°18'12
evening rise	6658 Sep 16 14:25	6° Ω 45'44		minimum elong	6659 Aug 24 19:45	6° M 07'14	1°17'51
	6658 Sep 29 01:18	0° M		max. Earth dist.	6659 Aug 25 06:55	7° M 09'02	1.31918 AU
desc. node	6658 Oct 04 00:20	7° M 53'17		evening rise	6659 Aug 31 19:11	21° M 17'24	
evening max el	6658 Oct 19 08:01	27° M 00'47	27°26'38		6659 Sep 05 01:37	0° Ω	
	6658 Oct 22 19:33	0° X		desc. node	6659 Sep 20 21:22	26° Ω 43'11	
retrograde	6658 Nov 02 02:01	4° X 15'55			6659 Sep 23 07:33	0° M	
evening set	6658 Nov 09 05:34	1° X 47'23		evening max el	6659 Oct 01 13:03	9° M 19'13	26°59'49
	6658 Nov 11 12:56	30° R M		retrograde	6659 Oct 15 10:24	16° M 29'56	
min. Earth dist.	6658 Nov 12 21:25	28° M 47'27	0.62714 AU	evening set	6659 Oct 22 10:16	14° M 21'39	
inferior conj	6658 Nov 15 17:21	26° M 05'03	-3°06'54	min. Earth dist.	6659 Oct 26 03:27	11° M 41'59	0.60707 AU
minimum elong	6658 Nov 15 22:58	25° M 51'35	3°04'52	inferior conj	6659 Oct 29 07:22	9° M 02'17	-4°10'16
morning rise	6658 Nov 22 18:12	20° M 56'00		minimum elong	6659 Oct 29 14:08	8° M 47'59	4°08'24
direct	6658 Nov 25 02:19	20° M 30'56		morning rise	6659 Nov 05 20:12	4° M 13'56	
asc. node	6658 Nov 25 11:03	20° M 31'34		direct	6659 Nov 08 02:29	3° M 53'48	
morning max el	6658 Dec 01 19:29	23° M 57'23	17°48'53	asc. node	6659 Nov 12 08:04	5° M 07'42	
	6658 Dec 06 16:00	0° X		morning max el	6659 Nov 15 09:27	7° M 31'22	18°01'35
morning set	6658 Dec 17 20:18	18° X 47'34			6659 Nov 29 20:04	0° X	
	6658 Dec 24 05:41	0° B		morning set	6659 Dec 01 02:12	2° X 19'29	
superior conj	6658 Dec 29 09:32	8° B 47'40	0°11'24	superior conj	6659 Dec 11 01:48	20° X 32'11	0°48'01
minimum elong	6658 Dec 29 10:39	8° B 52'21	0°11'16	minimum elong	6659 Dec 11 05:14	20° X 47'22	0°47'34
behind sun begin	6658 Dec 29 04:07	8° B 24'56			6659 Dec 16 13:00	0° B	
behind sun end	6658 Dec 29 17:11	9° B 19'44		desc. node	6659 Dec 17 20:35	2° B 13'00	
desc. node	6658 Dec 30 23:33	11° B 26'23		max. Earth dist.	6659 Dec 18 16:49	3° B 37'29	1.42067 AU
max. Earth dist.	6659 Jan 05 04:52	19° B 58'57	1.43777 AU	evening rise	6659 Dec 24 07:51	12° B 47'48	
	6659 Jan 11 12:30	0° \approx			6660 Jan 04 12:19	0° \approx	
evening rise	6659 Jan 13 08:20	2° \approx 50'20		evening max el	6660 Jan 26 10:12	28° \approx 51'57	22°32'37
	6659 Jan 31 15:14	0° X					

	6660 Jan 27 14:06	0°♄		retrograde	6661 Jan 18 23:25	19°♄01'07	
retrograde	6660 Feb 05 06:10	4°♄42'24		evening set	6661 Jan 24 04:04	16°♄51'33	
asc. node	6660 Feb 08 07:17	3°♄54'36		asc. node	6661 Jan 25 04:20	15°♄55'17	
evening set	6660 Feb 09 22:28	2°♄47'35		min. Earth dist.	6661 Jan 28 23:02	11°♄18'30	0.68089 AU
	6660 Feb 12 14:36	30°♄		inferior conj	6661 Jan 29 14:55	10°♄24'30	1°26'05
inferior conj	6660 Feb 15 07:01	26°♄24'43	2°08'49	minimum elong	6661 Jan 29 13:06	10°♄30'41	1°25'26
minimum elong	6660 Feb 15 04:44	26°♄32'38	2°08'07	morning rise	6661 Feb 03 22:07	4°♄20'31	
min. Earth dist.	6660 Feb 15 02:23	26°♄40'47	0.68261 AU	direct	6661 Feb 07 23:11	2°♄48'00	
morning rise	6660 Feb 20 10:52	20°♄15'22		morning max el	6661 Feb 15 23:55	7°♄23'24	20°35'27
direct	6660 Feb 25 01:34	18°♄20'21		desc. node	6661 Mar 01 16:56	25°♄02'24	
morning max el	6660 Mar 05 05:07	23°♄41'22	21°54'27		6661 Mar 05 02:23	0°♄	
	6660 Mar 10 18:10	0°♄		morning set	6661 Mar 17 01:30	18°♄08'48	
desc. node	6660 Mar 14 19:55	5°♄17'39			6661 Mar 24 13:50	0°♄	
	6660 Mar 31 18:17	0°♄		max. Earth dist.	6661 Mar 25 23:10	2°♄14'07	1.43308 AU
morning set	6660 Apr 06 21:40	9°♄40'14					
max. Earth dist.	6660 Apr 12 17:32	19°♄12'04	1.41411 AU	superior conj	6661 Apr 01 12:36	13°♄00'19	-2°09'59
	6660 Apr 19 01:29	0°♄		minimum elong	6661 Apr 01 14:02	13°♄06'21	2°09'59
					6661 Apr 11 10:29	0°♄	
superior conj	6660 Apr 20 10:28	2°♄24'35	-1°57'59	evening rise	6661 Apr 13 17:59	4°♄03'59	
minimum elong	6660 Apr 20 15:25	2°♄46'24	1°57'39	asc. node	6661 Apr 23 03:31	20°♄16'01	
evening rise	6660 May 01 02:18	21°♄46'37			6661 Apr 30 03:51	0°♄	
	6660 May 05 13:51	0°♄		evening max el	6661 Apr 30 20:00	0°♄41'35	18°06'11
asc. node	6660 May 06 06:29	1°♄14'43		retrograde	6661 May 07 07:56	4°♄02'56	
evening max el	6660 May 17 07:42	17°♄34'51	18°13'22	evening set	6661 May 10 01:04	3°♄27'15	
retrograde	6660 May 24 08:09	21°♄06'34			6661 May 14 19:26	30°♄	
evening set	6660 May 26 18:09	20°♄42'12		inferior conj	6661 May 16 10:57	28°♄22'38	2°57'47
inferior conj	6660 Jun 02 19:28	15°♄57'39	2°09'23	minimum elong	6661 May 16 13:36	28°♄15'57	2°57'14
minimum elong	6660 Jun 02 22:44	15°♄50'26	2°08'25	min. Earth dist.	6661 May 19 11:55	25°♄19'28	0.61757 AU
min. Earth dist.	6660 Jun 06 04:54	12°♄59'50	0.59524 AU	morning rise	6661 May 23 00:13	22°♄21'15	
morning rise	6660 Jun 10 00:23	10°♄14'54		desc. node	6661 May 28 16:14	20°♄02'00	
desc. node	6660 Jun 10 19:11	9°♄49'00		direct	6661 May 29 18:27	19°♄58'23	
direct	6660 Jun 16 09:29	8°♄21'37		morning max el	6661 Jun 12 22:40	27°♄58'46	27°54'14
morning max el	6660 Jun 30 18:27	16°♄13'34	27°32'12		6661 Jun 14 21:15	0°♄	
	6660 Jul 12 01:11	0°♄			6661 Jul 05 19:51	0°♄	
	6660 Jul 29 11:33	0°♄		morning set	6661 Jul 16 09:06	19°♄59'48	
morning set	6660 Aug 01 06:39	5°♄43'48		asc. node	6661 Jul 20 02:49	27°♄49'11	
asc. node	6660 Aug 02 05:47	7°♄45'26			6661 Jul 21 03:12	0°♄	
max. Earth dist.	6660 Aug 07 17:38	19°♄41'05	1.31802 AU	max. Earth dist.	6661 Jul 22 01:55	2°♄02'47	1.32126 AU
superior conj	6660 Aug 08 09:42	21°♄09'55	0°59'57	superior conj	6661 Jul 23 19:44	5°♄50'49	0°37'28
minimum elong	6660 Aug 08 07:32	20°♄57'54	0°59'32	minimum elong	6661 Jul 23 18:07	5°♄42'00	0°37'06
	6660 Aug 12 09:48	0°♄		evening rise	6661 Jul 30 15:35	20°♄44'33	
evening rise	6660 Aug 15 04:17	5°♄59'24			6661 Aug 04 02:49	0°♄	
	6660 Aug 27 17:19	0°♄			6661 Aug 23 12:46	0°♄	
desc. node	6660 Sep 06 18:23	14°♄35'39		desc. node	6661 Aug 24 15:25	1°♄07'43	
evening max el	6660 Sep 12 10:54	20°♄48'52	26°00'01	evening max el	6661 Aug 25 01:35	1°♄32'26	24°34'05
retrograde	6660 Sep 26 09:47	27°♄54'35		retrograde	6661 Sep 07 21:40	8°♄30'05	
evening set	6660 Oct 02 18:20	26°♄17'59		evening set	6661 Sep 13 01:54	7°♄30'20	
min. Earth dist.	6660 Oct 06 23:43	23°♄42'47	0.58629 AU	min. Earth dist.	6661 Sep 18 12:42	4°♄41'19	0.56733 AU
inferior conj	6660 Oct 10 04:03	21°♄23'03	-5°01'31	inferior conj	6661 Sep 21 04:47	2°♄59'07	-5°26'07
minimum elong	6660 Oct 10 09:40	21°♄12'43	5°00'37	minimum elong	6661 Sep 21 05:32	2°♄57'55	5°26'06
morning rise	6660 Oct 18 03:17	16°♄57'17			6661 Sep 26 09:36	30°♄	
direct	6660 Oct 20 11:41	16°♄39'06		morning rise	6661 Sep 29 11:24	28°♄54'59	
morning max el	6660 Oct 28 16:58	20°♄37'11	18°34'27	direct	6661 Oct 02 02:23	28°♄36'07	
asc. node	6660 Oct 29 05:07	21°♄07'14			6661 Oct 07 10:27	0°♄	
	6660 Nov 04 20:10	0°♄		morning max el	6661 Oct 11 14:31	3°♄04'45	19°29'08
morning set	6660 Nov 13 20:03	16°♄24'32		asc. node	6661 Oct 16 02:10	8°♄15'19	
	6660 Nov 20 21:26	0°♄			6661 Oct 28 11:38	0°♄	
				morning set	6661 Oct 28 22:04	0°♄52'14	
superior conj	6660 Nov 22 15:41	3°♄18'34	1°14'50	superior conj	6661 Nov 05 21:58	16°♄52'25	1°32'05
minimum elong	6660 Nov 22 19:12	3°♄34'56	1°14'29	minimum elong	6661 Nov 06 00:24	17°♄04'17	1°31'56
max. Earth dist.	6660 Nov 29 23:53	16°♄33'47	1.40022 AU	max. Earth dist.	6661 Nov 12 05:20	28°♄52'40	1.37887 AU
desc. node	6660 Dec 03 17:36	22°♄57'35			6661 Nov 12 20:00	0°♄	
evening rise	6660 Dec 04 04:20	23°♄42'34			6661 Nov 15 23:08	5°♄37'21	
	6660 Dec 08 00:12	0°♄		evening rise	6661 Nov 20 14:38	13°♄36'24	
	6660 Dec 28 09:22	0°♄		desc. node	6661 Nov 30 23:36	0°♄	
evening max el	6661 Jan 08 00:36	12°♄34'14	23°52'42				

evening max el	6661 Dec 21 13:44	26°  20'18	25°09'23			6662 Nov 05 01:26	0° 	
	6661 Dec 25 18:19	0° 		desc. node		6662 Nov 07 11:38	4°  04'32	
retrograde	6662 Jan 02 12:21	3°  14'41				6662 Nov 25 04:28	0° 	
evening set	6662 Jan 08 06:12	0°  51'42		evening max el		6662 Dec 04 02:38	10°  05'01	26°15'28
	6662 Jan 09 04:51	30°  R 		retrograde		6662 Dec 16 20:14	17°  16'37	
asc. node	6662 Jan 12 01:23	26°  344'57		evening set		6662 Dec 23 03:04	14°  343'13	
min. Earth dist.	6662 Jan 12 17:35	25°  353'07	0.67544 AU	min. Earth dist.		6662 Dec 27 07:40	10°  319'39	0.66634 AU
inferior conj	6662 Jan 13 20:36	24°  325'03	0°36'03	inferior conj		6662 Dec 28 22:05	8°  321'55	-0°20'38
minimum elong	6662 Jan 13 19:43	24°  327'55	0°35'43	minimum elong		6662 Dec 28 22:38	8°  320'13	0°20'20
morning rise	6662 Jan 19 09:29	18°  328'26		asc. node		6662 Dec 29 22:27	7°  307'58	
direct	6662 Jan 22 22:07	17°  316'52		morning rise		6663 Jan 03 18:52	2°  335'01	
morning max el	6662 Jan 30 02:47	21°  317'30	19°29'54	direct		6663 Jan 06 20:40	1°  341'24	
	6662 Feb 06 06:03	0° 		morning max el		6663 Jan 13 12:51	5°  319'29	18°39'52
greatest brilliancy	6662 Feb 12 02:03	8°  24'14	-0.7m			6663 Jan 30 22:13	0° 	
desc. node	6662 Feb 16 13:58	15°  210'06		desc. node		6663 Feb 03 10:57	5°  233'40	
morning set	6662 Feb 23 23:04	26°  28'36		morning set		6663 Feb 03 14:30	5°  247'42	
	6662 Feb 26 05:47	0° 				6663 Feb 19 00:35	0° 	
max. Earth dist.	6662 Mar 08 12:27	16°  X04'17	1.44678 AU					
				superior conj		6663 Feb 19 20:29	1°  X17'56	-1°40'05
superior conj	6662 Mar 12 13:45	22°  X31'23	-2°05'02	minimum elong		6663 Feb 19 10:59	0°  X40'43	1°39'11
minimum elong	6662 Mar 12 08:39	22°  X10'59	2°04'50	max. Earth dist.		6663 Feb 19 06:24	0°  X22'47	1.45361 AU
	6662 Mar 17 04:56	0° 		evening rise		6663 Mar 07 09:24	25°  X53'07	
evening rise	6662 Mar 26 13:21	15°  Y27'27				6663 Mar 09 23:05	0° 	
	6662 Apr 04 06:59	0° 		greatest brilliancy		6663 Mar 15 06:05	8°  Y27'10	-0.9m
asc. node	6662 Apr 10 00:34	8°  Y45'58		asc. node		6663 Mar 27 21:37	26°  Y34'35	
evening max el	6662 Apr 14 09:04	14°  Y03'44	18°17'47	evening max el		6663 Mar 28 20:08	27°  Y34'13	18°47'32
retrograde	6662 Apr 20 18:45	17°  Y29'15				6663 Mar 31 17:30	0° 	
evening set	6662 Apr 23 18:37	16°  Y40'52		retrograde		6663 Apr 04 12:29	1°  Y16'53	
inferior conj	6662 Apr 29 17:09	11°  Y17'27	3°22'13	evening set		6663 Apr 07 19:15	0°  Y15'02	
minimum elong	6662 Apr 29 18:22	11°  Y13'58	3°22'04			6663 Apr 08 04:24	30°  R 	
min. Earth dist.	6662 May 02 04:04	8°  Y31'05	0.63825 AU	inferior conj		6663 Apr 13 10:06	24°  Y34'35	3°28'06
morning rise	6662 May 05 17:06	5°  Y06'02		minimum elong		6663 Apr 13 09:53	24°  Y35'15	3°28'04
direct	6662 May 12 12:03	2°  Y24'04		min. Earth dist.		6663 Apr 15 05:31	22°  Y20'15	0.65549 AU
desc. node	6662 May 15 13:17	2°  Y53'00		morning rise		6663 Apr 18 24:00	18°  Y18'55	
morning max el	6662 May 26 07:17	10°  Y23'48	27°38'52	direct		6663 Apr 25 12:56	15°  Y30'28	
	6662 Jun 10 16:27	0° 		desc. node		6663 May 02 10:18	17°  Y57'41	
	6662 Jun 28 05:01	0° 		morning max el		6663 May 08 17:40	23°  Y18'30	26°51'11
morning set	6662 Jun 30 04:15	3°  Y51'22				6663 May 14 16:17	0° 	
max. Earth dist.	6662 Jul 05 03:56	14°  Y03'21	1.32910 AU			6663 Jun 04 00:18	0° 	
asc. node	6662 Jul 06 23:50	17°  Y55'39		morning set		6663 Jun 13 13:02	17°  Y10'18	
				max. Earth dist.		6663 Jun 17 20:18	25°  Y36'05	1.34166 AU
						6663 Jun 20 00:21	0° 	
superior conj	6662 Jul 08 02:14	20°  Y16'53	0°11'18					
minimum elong	6662 Jul 08 01:41	20°  Y13'54	0°11'08	superior conj		6663 Jun 22 03:03	4°  Y22'07	-0°17'44
behind sun begin	6662 Jul 07 21:49	19°  Y53'06		minimum elong		6663 Jun 22 04:01	4°  Y27'08	0°17'36
behind sun end	6662 Jul 08 05:34	20°  Y34'43		asc. node		6663 Jun 23 20:51	8°  Y01'07	
	6662 Jul 12 14:14	0° 		evening rise		6663 Jun 29 13:22	20°  Y01'08	
evening rise	6662 Jul 15 03:15	5°  Y27'01				6663 Jul 04 11:32	0° 	
	6662 Jul 28 05:28	0° 		evening max el		6663 Jul 19 07:41	22°  Y17'06	21°21'59
evening max el	6662 Aug 06 13:38	11°  Y50'01	22°55'58	desc. node		6663 Jul 29 09:30	28°  Y07'26	
desc. node	6662 Aug 11 12:27	15°  Y49'11		retrograde		6663 Jul 31 10:55	28°  Y17'39	
retrograde	6662 Aug 19 20:51	18°  Y28'44		evening set		6663 Aug 02 20:44	28°  Y04'16	
evening set	6662 Aug 23 12:44	17°  Y59'24		inferior conj		6663 Aug 12 03:58	24°  Y05'32	-3°52'44
min. Earth dist.	6662 Aug 30 22:00	14°  Y40'21	0.55335 AU	minimum elong		6663 Aug 11 18:46	24°  Y18'25	3°50'09
inferior conj	6662 Sep 01 10:13	13°  Y48'16	-5°06'11	min. Earth dist.		6663 Aug 12 07:27	24°  Y00'38	0.54738 AU
minimum elong	6662 Sep 01 04:00	13°  Y57'14	5°05'18	morning rise		6663 Aug 20 17:41	20°  Y12'33	
morning rise	6662 Sep 09 21:25	9°  Y58'27		direct		6663 Aug 24 07:21	19°  Y45'04	
direct	6662 Sep 12 22:29	9°  Y36'46		morning max el		6663 Sep 05 21:18	25°  Y42'12	22°21'20
morning max el	6662 Sep 23 23:45	14°  Y46'02	20°45'55			6663 Sep 09 22:00	0° 	
asc. node	6662 Oct 02 23:12	26°  Y16'45		asc. node		6663 Sep 19 20:13	14°  Y58'56	
	6662 Oct 05 04:18	0° 				6663 Sep 27 11:19	0° 	
morning set	6662 Oct 13 05:22	15°  Y33'55		morning set		6663 Sep 27 15:45	0°  Y23'17	
	6662 Oct 20 04:19	0° 						
superior conj	6662 Oct 20 16:02	1°  M00'02	1°40'49	superior conj		6663 Oct 04 18:16	15°  Y30'52	1°42'11
minimum elong	6662 Oct 20 17:00	1°  M05'03	1°40'49	minimum elong		6663 Oct 04 17:53	15°  Y28'54	1°42'11
max. Earth dist.	6662 Oct 25 13:42	10°  M49'00	1.35898 AU	max. Earth dist.		6663 Oct 08 05:11	22°  Y44'07	1.34234 AU
evening rise	6662 Oct 29 13:14	18°  M24'02				6663 Oct 11 19:42	0° 	

evening rise	6663 Oct 12 18:43	1°♍52'44		superior conj	6664 Sep 18 01:49	0°♊15'29	1°37'11
desc. node	6663 Oct 25 08:39	24°♍16'33		minimum elong	6664 Sep 18 00:23	0°♊07'45	1°37'05
	6663 Oct 29 00:01	0°♊		max. Earth dist.	6664 Sep 20 05:05	4°♊52'10	1.32988 AU
evening max el	6663 Nov 16 15:28	23°♊40'57	27°03'38	evening rise	6664 Sep 25 11:42	15°♊52'43	
	6663 Nov 25 10:42	0°♊			6664 Oct 02 20:45	0°♍	
retrograde	6663 Nov 29 22:34	0°♊59'54		desc. node	6664 Oct 11 05:42	14°♍04'46	
	6663 Dec 04 03:03	30°♋♊			6664 Oct 22 17:02	0°♊	
evening set	6663 Dec 06 16:38	28°♊21'34		evening max el	6664 Oct 29 03:12	6°♊57'12	27°27'00
min. Earth dist.	6663 Dec 10 15:04	24°♊32'46	0.65367 AU	retrograde	6664 Nov 11 18:43	14°♊15'32	
inferior conj	6663 Dec 12 17:15	22°♊10'58	-1°22'49	evening set	6664 Nov 18 20:17	11°♊40'37	
minimum elong	6663 Dec 12 19:40	22°♊04'07	1°21'44	min. Earth dist.	6664 Nov 22 13:49	8°♊24'11	0.63759 AU
asc. node	6663 Dec 16 19:30	18°♊01'57		inferior conj	6664 Nov 25 03:33	5°♊46'16	-2°28'38
morning rise	6663 Dec 18 23:51	16°♊36'20		minimum elong	6664 Nov 25 08:04	5°♊34'43	2°26'51
direct	6663 Dec 21 16:48	15°♊56'55		morning rise	6664 Dec 01 21:30	0°♊26'50	
morning max el	6663 Dec 28 03:52	19°♊23'28	18°06'22	asc. node	6664 Dec 02 16:31	0°♊11'03	
	6664 Jan 05 04:42	0°♊			6664 Dec 03 15:32	30°♋♍	
morning set	6664 Jan 15 11:13	16°♊35'02		direct	6664 Dec 04 07:56	29°♍57'40	
desc. node	6664 Jan 21 07:55	26°♊08'31			6664 Dec 05 00:18	0°♊	
	6664 Jan 23 17:20	0°♋		morning max el	6664 Dec 10 20:58	3°♊22'03	17°50'08
				morning set	6664 Dec 27 11:16	28°♊42'19	
superior conj	6664 Jan 30 02:31	10°♋10'07	-0°59'22		6664 Dec 28 05:21	0°♊	
minimum elong	6664 Jan 29 19:25	9°♋42'06	0°58'25	desc. node	6665 Jan 07 04:56	16°♊50'53	
max. Earth dist.	6664 Feb 02 01:49	14°♋50'49	1.45301 AU				
	6664 Feb 11 18:59	0°♋		superior conj	6665 Jan 09 02:24	19°♊57'28	-0°13'30
evening rise	6664 Feb 15 08:05	5°♋30'00		minimum elong	6665 Jan 09 00:54	19°♊51'22	0°13'14
greatest brilliancy	6664 Feb 28 06:26	25°♋20'19	-0.7m	behind sun begin	6665 Jan 08 19:17	19°♊28'21	
	6664 Mar 02 10:22	0°♋		behind sun end	6665 Jan 09 06:32	20°♊14'21	
evening max el	6664 Mar 11 03:09	11°♋08'23	19°34'07	max. Earth dist.	6665 Jan 14 20:03	29°♊12'09	1.44518 AU
asc. node	6664 Mar 13 18:40	13°♋29'19			6665 Jan 15 08:05	0°♋	
retrograde	6664 Mar 18 09:49	15°♋18'55		evening rise	6665 Jan 24 19:18	14°♋46'15	
evening set	6664 Mar 22 00:16	14°♋03'00			6665 Feb 03 20:39	0°♋	
inferior conj	6664 Mar 27 10:29	8°♋07'31	3°19'35	evening max el	6665 Feb 22 04:59	24°♋44'47	20°35'18
minimum elong	6664 Mar 27 09:08	8°♋11'57	3°19'26	asc. node	6665 Feb 28 15:42	29°♋16'14	
min. Earth dist.	6664 Mar 28 14:57	6°♋33'36	0.66860 AU	retrograde	6665 Mar 02 08:12	29°♋31'10	
morning rise	6664 Apr 01 17:42	1°♋51'09		evening set	6665 Mar 06 07:36	28°♋00'28	
	6664 Apr 04 08:23	30°♋♋		inferior conj	6665 Mar 11 15:39	21°♋52'13	2°59'33
direct	6664 Apr 07 20:09	29°♋08'04		minimum elong	6665 Mar 11 13:36	21°♋59'17	2°59'09
	6664 Apr 11 14:53	0°♋		min. Earth dist.	6665 Mar 12 06:23	21°♋01'46	0.67740 AU
desc. node	6664 Apr 18 07:18	4°♋42'41		morning rise	6665 Mar 16 19:22	15°♋37'29	
morning max el	6664 Apr 20 03:25	6°♋29'40	25°39'25	direct	6665 Mar 22 08:42	13°♋08'58	
	6664 May 08 08:15	0°♋		morning max el	6665 Apr 02 12:08	19°♋48'53	24°13'41
morning set	6664 May 26 07:17	29°♋44'12		desc. node	6665 Apr 05 04:18	22°♋40'40	
	6664 May 26 10:44	0°♋			6665 Apr 11 04:20	0°♋	
max. Earth dist.	6664 May 30 01:15	6°♋43'05	1.35881 AU		6665 May 01 12:12	0°♋	
				morning set	6665 May 08 05:48	11°♋19'06	
superior conj	6664 Jun 04 19:28	17°♋58'37	-0°48'25	max. Earth dist.	6665 May 11 22:00	17°♋48'22	1.37960 AU
minimum elong	6664 Jun 04 22:16	18°♋12'38	0°47'57		6665 May 18 12:00	0°♋	
asc. node	6664 Jun 09 17:51	28°♋00'58					
	6664 Jun 10 17:02	0°♋		superior conj	6665 May 19 00:12	0°♋58'18	-1°18'45
evening rise	6664 Jun 12 19:43	4°♋19'38		minimum elong	6665 May 19 04:45	1°♋20'07	1°18'06
	6664 Jun 27 14:10	0°♋		evening rise	6665 May 27 19:51	18°♋15'54	
evening max el	6664 Jun 30 13:55	3°♋20'27	20°03'18	asc. node	6665 May 27 14:53	17°♋51'24	
retrograde	6664 Jul 11 01:10	8°♋28'56			6665 Jun 02 22:49	0°♋	
evening set	6664 Jul 12 22:40	8°♋19'33		evening max el	6665 Jun 13 08:45	15°♋07'46	19°04'27
desc. node	6664 Jul 15 06:32	7°♋44'10		retrograde	6665 Jun 22 03:51	19°♋27'12	
inferior conj	6664 Jul 21 23:49	4°♋20'15	-2°01'20	evening set	6665 Jun 24 03:08	19°♋15'06	
minimum elong	6664 Jul 21 18:12	4°♋28'41	1°59'18	inferior conj	6665 Jul 02 10:59	15°♋02'01	-0°05'34
min. Earth dist.	6664 Jul 23 19:07	3°♋15'23	0.55106 AU	minimum elong	6665 Jul 02 10:44	15°♋02'25	0°05'31
morning rise	6664 Jul 30 12:06	0°♋03'18		transit middle	6665 Jul 02 10:44	15°♋02'25	0°05'31
	6664 Jul 30 16:31	30°♋♋		transit begin	6665 Jul 02 07:11	15°♋08'31	
direct	6664 Aug 03 19:09	29°♋23'04		transit end	6665 Jul 02 14:18	14°♋56'18	
	6664 Aug 07 20:23	0°♋		desc. node	6665 Jul 02 03:33	15°♋14'44	
morning max el	6664 Aug 17 11:31	6°♋06'23	24°06'05	min. Earth dist.	6665 Jul 05 09:50	13°♋01'02	0.56377 AU
	6664 Sep 03 11:58	0°♋		morning rise	6665 Jul 10 15:10	10°♋09'39	
asc. node	6664 Sep 05 17:12	4°♋11'08		direct	6665 Jul 15 19:35	9°♋06'41	
morning set	6664 Sep 11 03:24	15°♋14'21		morning max el	6665 Jul 30 00:59	16°♋25'02	25°45'10
	6664 Sep 17 22:58	0°♋			6665 Aug 10 02:32	0°♋	

asc. node	6665 Aug 23 14:13	23° Ω 45'38		6666 Jul 14 13:47	0° \mathfrak{D}	
morning set	6665 Aug 26 14:42	0° \mathfrak{M} 02'34		6666 Aug 03 14:34	0° Ω	
	6665 Aug 26 14:13	0° \mathfrak{M}		asc. node	6666 Aug 10 11:15	13° Ω 36'05
				morning set	6666 Aug 11 00:04	14° Ω 43'21
superior conj	6665 Sep 02 12:27	15° \mathfrak{M} 06'58	1°26'35			
minimum elong	6665 Sep 02 10:23	14° \mathfrak{M} 55'32	1°26'20	superior conj	6666 Aug 18 00:17	29° Ω 59'19 1°10'59
max. Earth dist.	6665 Sep 03 11:55	17° \mathfrak{M} 16'05	1.32186 AU	minimum elong	6666 Aug 17 22:01	29° Ω 46'43 1°10'37
	6665 Sep 09 10:03	0° $\underline{\mathfrak{A}}$		max. Earth dist.	6666 Aug 17 22:30	29° Ω 49'26 1.31818 AU
evening rise	6665 Sep 09 12:58	0° $\underline{\mathfrak{A}}$ 15'08			6666 Aug 18 00:25	0° \mathfrak{M}
	6665 Sep 25 21:50	0° \mathfrak{M}		evening rise	6666 Aug 24 19:53	14° \mathfrak{M} 52'13
desc. node	6665 Sep 28 02:44	3° \mathfrak{M} 19'24			6666 Sep 01 09:39	0° $\underline{\mathfrak{A}}$
evening max el	6665 Oct 11 11:42	19° \mathfrak{M} 40'52	27°19'31	desc. node	6666 Sep 14 23:46	21° $\underline{\mathfrak{A}}$ 47'13
retrograde	6665 Oct 25 07:35	26° \mathfrak{M} 53'57			6666 Sep 21 21:42	0° \mathfrak{M}
evening set	6665 Nov 01 10:33	24° \mathfrak{M} 32'59		evening max el	6666 Sep 23 14:08	1° \mathfrak{M} 39'55 26°38'17
min. Earth dist.	6665 Nov 05 02:15	21° \mathfrak{M} 42'51	0.61873 AU	retrograde	6666 Oct 07 12:02	8° \mathfrak{M} 47'39
inferior conj	6665 Nov 08 01:59	18° \mathfrak{M} 59'57	-3°34'37	evening set	6666 Oct 14 07:06	6° \mathfrak{M} 51'47
minimum elong	6665 Nov 08 08:16	18° \mathfrak{M} 45'38	3°32'34	min. Earth dist.	6666 Oct 18 03:52	4° \mathfrak{M} 16'18 0.59818 AU
morning rise	6665 Nov 15 07:58	13° \mathfrak{M} 59'02		inferior conj	6666 Oct 21 09:06	1° \mathfrak{M} 43'11 -4°34'15
direct	6665 Nov 17 14:51	13° \mathfrak{M} 36'27		minimum elong	6666 Oct 21 15:46	1° \mathfrak{M} 29'54 4°32'42
asc. node	6665 Nov 19 13:33	13° \mathfrak{M} 53'22			6666 Oct 23 14:36	30° \mathfrak{R} $\underline{\mathfrak{A}}$
morning max el	6665 Nov 24 12:58	17° \mathfrak{M} 06'54	17°51'56	morning rise	6666 Oct 29 02:37	27° $\underline{\mathfrak{A}}$ 04'05
	6665 Dec 03 16:10	0° \mathfrak{X}		direct	6666 Oct 31 09:26	26° $\underline{\mathfrak{A}}$ 44'59
morning set	6665 Dec 10 08:05	11° \mathfrak{X} 48'43		asc. node	6666 Nov 06 10:36	29° $\underline{\mathfrak{A}}$ 06'41
	6665 Dec 20 14:14	0° \mathfrak{Z}			6666 Nov 07 11:52	0° \mathfrak{M}
				morning max el	6666 Nov 08 00:37	0° \mathfrak{M} 29'55 18°13'03
superior conj	6665 Dec 21 04:04	0° \mathfrak{Z} 59'24	0°28'03	morning set	6666 Nov 23 19:39	25° \mathfrak{M} 36'38
minimum elong	6665 Dec 21 06:30	1° \mathfrak{Z} 09'52	0°27'45		6666 Nov 26 03:23	0° \mathfrak{X}
desc. node	6665 Dec 25 01:57	7° \mathfrak{Z} 36'41				
max. Earth dist.	6665 Dec 28 11:06	13° \mathfrak{Z} 11'34	1.43105 AU	superior conj	6666 Dec 03 06:11	13° \mathfrak{X} 12'07 1°00'36
evening rise	6666 Jan 04 10:21	24° \mathfrak{Z} 19'21		minimum elong	6666 Dec 03 09:52	13° \mathfrak{X} 28'44 1°00'10
	6666 Jan 08 02:20	0° \approx		max. Earth dist.	6666 Dec 10 21:28	26° \mathfrak{X} 35'09 1.41225 AU
	6666 Jan 28 22:40	0° \mathfrak{H}		desc. node	6666 Dec 11 22:59	28° \mathfrak{X} 22'46
evening max el	6666 Feb 05 01:30	8° \mathfrak{H} 22'35	21°47'43		6666 Dec 12 22:14	0° \mathfrak{Z}
retrograde	6666 Feb 14 05:42	13° \mathfrak{H} 49'02		evening rise	6666 Dec 15 18:15	4° \mathfrak{Z} 39'56
asc. node	6666 Feb 15 12:45	13° \mathfrak{H} 40'16			6667 Jan 01 08:40	0° \approx
evening set	6666 Feb 18 15:30	12° \mathfrak{H} 03'02		evening max el	6667 Jan 18 17:35	22° \approx 02'41 23°06'35
inferior conj	6666 Feb 23 23:24	5° \mathfrak{H} 44'42	2°29'50	retrograde	6667 Jan 29 00:51	28° \approx 08'55
minimum elong	6666 Feb 23 21:04	5° \mathfrak{H} 52'49	2°29'13	asc. node	6667 Feb 02 09:48	26° \approx 32'35
min. Earth dist.	6666 Feb 24 01:33	5° \mathfrak{H} 37'14	0.68194 AU	evening set	6667 Feb 02 22:25	26° \approx 07'31
	6666 Feb 28 14:42	30° \mathfrak{R} \approx		inferior conj	6667 Feb 08 07:46	19° \approx 42'28 1°51'38
morning rise	6666 Mar 01 02:27	29° \approx 33'09		minimum elong	6667 Feb 08 05:38	19° \approx 49'52 1°50'56
direct	6666 Mar 06 01:32	27° \approx 25'05		min. Earth dist.	6667 Feb 07 22:15	20° \approx 15'19 0.68241 AU
	6666 Mar 12 06:33	0° \mathfrak{H}		morning rise	6667 Feb 13 12:46	13° \approx 35'28
morning max el	6666 Mar 15 22:05	3° \mathfrak{H} 14'27	22°44'08	direct	6667 Feb 17 21:36	11° \approx 50'09
desc. node	6666 Mar 23 01:19	11° \mathfrak{H} 30'43		morning max el	6667 Feb 26 12:57	16° \approx 50'10 21°19'29
	6666 Apr 05 06:55	0° \mathfrak{Y}			6667 Mar 09 05:27	0° \mathfrak{H}
morning set	6666 Apr 19 02:46	21° \mathfrak{Y} 39'37		desc. node	6667 Mar 09 22:21	0° \mathfrak{H} 58'31
max. Earth dist.	6666 Apr 23 18:17	29° \mathfrak{Y} 27'20	1.40188 AU		6667 Mar 29 08:56	0° \mathfrak{Y}
	6666 Apr 24 01:55	0° \mathfrak{Z}		morning set	6667 Mar 29 19:48	0° \mathfrak{Y} 42'50
				max. Earth dist.	6667 Apr 05 20:11	12° \mathfrak{Y} 00'17 1.42278 AU
superior conj	6666 May 01 13:00	13° \mathfrak{Z} 10'22	-1°45'42			
minimum elong	6666 May 01 18:25	13° \mathfrak{Z} 34'58	1°45'09	superior conj	6667 Apr 13 05:03	24° \mathfrak{Y} 23'47 -2°04'46
	6666 May 10 13:12	0° \mathfrak{H}		minimum elong	6667 Apr 13 08:59	24° \mathfrak{Y} 40'42 2°04'36
evening rise	6666 May 11 10:33	1° \mathfrak{H} 41'19			6667 Apr 16 10:23	0° \mathfrak{Z}
asc. node	6666 May 14 11:56	7° \mathfrak{H} 27'19		evening rise	6667 Apr 24 11:59	14° \mathfrak{Z} 26'52
evening max el	6666 May 27 13:13	27° \mathfrak{H} 33'05	18°26'09	asc. node	6667 May 01 08:58	26° \mathfrak{Z} 43'17
	6666 May 30 15:52	0° \mathfrak{D}			6667 May 03 07:40	0° \mathfrak{H}
retrograde	6666 Jun 04 01:44	1° \mathfrak{D} 17'33		evening max el	6667 May 10 23:38	10° \mathfrak{H} 27'15 18°07'51
evening set	6666 Jun 06 07:39	0° \mathfrak{D} 58'29		retrograde	6667 May 17 17:28	13° \mathfrak{H} 52'56
	6666 Jun 08 17:00	30° \mathfrak{R} \mathfrak{H}		evening set	6667 May 20 06:32	13° \mathfrak{H} 23'59
inferior conj	6666 Jun 13 19:29	26° \mathfrak{H} 25'24	1°28'40	inferior conj	6667 May 27 00:45	8° \mathfrak{H} 30'24 2°33'13
minimum elong	6666 Jun 13 22:18	26° \mathfrak{H} 19'44	1°27'41	minimum elong	6667 May 27 03:55	8° \mathfrak{H} 22'58 2°32'24
min. Earth dist.	6666 Jun 17 05:07	23° \mathfrak{H} 42'19	0.58280 AU	min. Earth dist.	6667 May 30 07:24	5° \mathfrak{H} 27'30 0.60480 AU
desc. node	6666 Jun 19 00:35	22° \mathfrak{H} 23'53		morning rise	6667 Jun 02 22:49	2° \mathfrak{H} 38'18
morning rise	6666 Jun 21 09:41	20° \mathfrak{H} 58'40		desc. node	6667 Jun 05 21:38	1° \mathfrak{H} 10'11
direct	6666 Jun 27 09:57	19° \mathfrak{H} 24'49		direct	6667 Jun 09 12:39	0° \mathfrak{H} 31'52
morning max el	6666 Jul 11 19:15	27° \mathfrak{H} 06'33	27°02'35	morning max el	6667 Jun 23 20:19	8° \mathfrak{H} 28'13 27°46'23

	6667 Jul 10 07:09	0°☿			6668 Jul 02 07:48	0°☿	
morning set	6667 Jul 26 05:38	29°☿10'25		morning set	6668 Jul 09 05:20	13°☿17'35	
	6667 Jul 26 15:10	0°♊		asc. node	6668 Jul 14 05:17	23°☿42'01	
asc. node	6667 Jul 28 08:16	3°♊36'20		max. Earth dist.	6668 Jul 14 14:56	24°☿33'38	1.32401 AU
max. Earth dist.	6667 Aug 01 08:49	12°♊19'18	1.31885 AU				
				superior conj	6668 Jul 16 20:16	29°☿21'36	0°26'47
superior conj	6667 Aug 02 11:28	14°♊45'59	0°50'54	minimum elong	6668 Jul 16 19:02	29°☿14'58	0°26'29
minimum elong	6667 Aug 02 09:29	14°♊34'58	0°50'29		6668 Jul 17 03:19	0°♋	
evening rise	6667 Aug 09 06:09	29°♊36'07		evening rise	6668 Jul 23 17:51	14°♋20'55	
	6667 Aug 09 10:37	0°♌			6668 Jul 31 12:57	0°♌	
	6667 Aug 25 21:02	0°♌		evening max el	6668 Aug 16 20:57	23°♌15'52	23°52'45
desc. node	6667 Sep 01 20:49	9°♌08'38		desc. node	6668 Aug 18 17:50	24°♌57'41	
evening max el	6667 Sep 05 08:30	12°♌47'43	25°25'55		6668 Aug 28 15:59	0°♌	
retrograde	6667 Sep 19 06:38	19°♌50'58		retrograde	6668 Aug 30 13:37	0°♌08'15	
evening set	6667 Sep 25 04:59	18°♌29'36			6668 Sep 01 11:33	30°♌♌	
min. Earth dist.	6667 Sep 29 20:17	15°♌51'06	0.57781 AU	evening set	6668 Sep 04 02:29	29°♌22'58	
inferior conj	6667 Oct 02 21:27	13°♌45'09	-5°16'18	min. Earth dist.	6668 Sep 10 07:21	26°♌22'39	0.56056 AU
minimum elong	6667 Oct 03 01:29	13°♌38'12	5°15'52	inferior conj	6668 Sep 12 13:31	25°♌00'22	-5°24'03
morning rise	6667 Oct 11 00:18	9°♌29'24		minimum elong	6668 Sep 12 11:16	25°♌03'47	5°23'56
direct	6667 Oct 13 11:04	9°♌11'12		morning rise	6668 Sep 20 22:24	21°♌03'54	
morning max el	6667 Oct 22 04:19	13°♌20'30	18°55'04	direct	6668 Sep 23 17:06	20°♌44'17	
asc. node	6667 Oct 24 07:38	15°♌37'00		morning max el	6668 Oct 03 20:53	25°♌29'14	19°59'11
	6667 Nov 02 13:58	0°♍			6668 Oct 07 21:56	0°♌	
morning set	6667 Nov 07 17:20	9°♍52'00		asc. node	6668 Oct 10 04:40	3°♌09'08	
				morning set	6668 Oct 21 21:50	24°♌25'43	
					6668 Oct 24 15:19	0°♍	
superior conj	6667 Nov 16 03:40	26°♍20'17	1°23'16				
minimum elong	6667 Nov 16 06:48	26°♍35'13	1°23'00				
	6667 Nov 18 02:08	0°♎		superior conj	6668 Oct 29 15:26	10°♍09'33	1°36'45
max. Earth dist.	6667 Nov 23 03:17	9°♎13'48	1.39104 AU	minimum elong	6668 Oct 29 17:16	10°♍18'39	1°36'41
evening rise	6667 Nov 27 00:17	15°♎59'44		max. Earth dist.	6668 Nov 04 08:47	21°♍17'39	1.37006 AU
desc. node	6667 Nov 28 20:00	19°♎04'58		evening rise	6668 Nov 08 03:43	28°♍17'16	
	6667 Dec 05 13:22	0°♏			6668 Nov 09 02:38	0°♎	
	6667 Dec 27 00:42	0°♏		desc. node	6668 Nov 14 17:00	9°♎39'23	
evening max el	6668 Jan 01 07:01	5°♏45'36	24°26'07		6668 Nov 27 21:57	0°♏	
retrograde	6668 Jan 12 16:28	12°♏25'56		evening max el	6668 Dec 13 19:48	19°♏30'47	25°39'19
evening set	6668 Jan 18 02:45	10°♏10'06		retrograde	6668 Dec 26 03:30	26°♏34'39	
asc. node	6668 Jan 20 06:52	7°♏58'49		evening set	6669 Jan 01 02:51	24°♏06'43	
min. Earth dist.	6668 Jan 22 18:14	4°♏51'48	0.67898 AU	min. Earth dist.	6669 Jan 05 11:13	19°♏22'50	0.67191 AU
inferior conj	6668 Jan 23 14:56	3°♏42'28	1°05'43	asc. node	6669 Jan 06 03:56	18°♏29'45	
minimum elong	6668 Jan 23 13:28	3°♏47'25	1°05'10	inferior conj	6669 Jan 06 19:03	17°♏41'24	0°12'44
	6668 Jan 26 13:22	30°♏♏		minimum elong	6669 Jan 06 18:44	17°♏42'27	0°12'39
morning rise	6668 Jan 29 00:18	27°♏41'32		transit middle	6669 Jan 06 18:44	17°♏42'27	0°12'39
direct	6668 Feb 01 19:48	26°♏18'27		transit begin	6669 Jan 06 16:59	17°♏48'02	
	6668 Feb 08 19:40	0°♐		transit end	6669 Jan 06 20:28	17°♏36'53	
morning max el	6668 Feb 09 11:16	0°♐37'45	20°05'49	morning rise	6669 Jan 12 11:02	11°♏48'30	
desc. node	6668 Feb 24 19:21	20°♐53'35		direct	6669 Jan 15 18:44	10°♏45'06	
	6668 Mar 01 21:05	0°♑		morning max el	6669 Jan 22 17:20	14°♏35'12	19°06'36
morning set	6668 Mar 07 18:00	8°♑59'07			6669 Feb 03 09:19	0°♐	
max. Earth dist.	6668 Mar 18 05:10	25°♑24'16	1.43960 AU	greatest brilliancy	6669 Feb 05 11:13	3°♐08'11	-0.8m
	6668 Mar 21 01:46	0°♒		desc. node	6669 Feb 10 16:20	11°♐08'08	
				morning set	6669 Feb 14 20:29	17°♐36'05	
superior conj	6668 Mar 23 20:25	4°♒31'10	-2°10'15		6669 Feb 22 19:38	0°♑	
minimum elong	6668 Mar 23 19:17	4°♒26'31	2°10'16	max. Earth dist.	6669 Feb 28 20:09	9°♑26'03	1.45048 AU
evening rise	6668 Apr 05 19:37	26°♒22'48					
	6668 Apr 07 21:58	0°♓		superior conj	6669 Mar 03 12:12	13°♑38'36	-1°56'52
asc. node	6668 Apr 17 06:02	15°♓32'44		minimum elong	6669 Mar 03 04:32	13°♑08'21	1°56'22
evening max el	6668 Apr 23 12:37	23°♓41'42	18°08'48		6669 Mar 13 17:13	0°♒	
retrograde	6668 Apr 29 22:36	27°♓03'31		evening rise	6669 Mar 18 05:10	7°♒20'45	
evening set	6668 May 02 18:29	26°♓22'44			6669 Apr 01 08:58	0°♓	
inferior conj	6668 May 08 23:05	21°♓09'59	3°10'42	asc. node	6669 Apr 04 03:05	3°♓46'26	
minimum elong	6668 May 09 01:10	21°♓04'26	3°10'21	evening max el	6669 Apr 07 01:08	7°♓08'03	18°28'21
min. Earth dist.	6668 May 11 18:30	18°♓11'20	0.62665 AU	retrograde	6669 Apr 13 12:42	10°♓39'22	
morning rise	6668 May 15 06:17	15°♓03'05		evening set	6669 Apr 16 15:24	9°♓45'28	
direct	6668 May 22 01:38	12°♓30'31		inferior conj	6669 Apr 22 10:17	4°♓14'55	3°26'40
desc. node	6668 May 22 18:40	12°♓32'04		minimum elong	6669 Apr 22 10:52	4°♓13'09	3°26'37
morning max el	6668 Jun 05 02:59	20°♓32'42	27°52'04	min. Earth dist.	6669 Apr 24 14:46	1°♓40'24	0.64605 AU
	6668 Jun 13 06:12	0°♔			6669 Apr 26 03:13	30°♓♓	

morning rise	6669 Apr 28 05:32	28° Υ 01'07		inferior conj	6670 Apr 06 06:44	17° Υ 38'57	3°26'02
direct	6669 May 04 22:45	25° Υ 14'28		minimum elong	6670 Apr 06 06:00	17° Υ 41'19	3°25'58
desc. node	6669 May 09 15:42	26° Υ 23'32		min. Earth dist.	6670 Apr 07 19:42	15° Υ 41'12	0.66165 AU
	6669 May 15 02:00	0° \mathcal{B}		morning rise	6670 Apr 11 17:26	11° Υ 22'56	
morning max el	6669 May 18 12:32	3° \mathcal{B} 11'19	27°22'01	direct	6670 Apr 18 02:30	8° Υ 35'21	
	6669 Jun 07 15:16	0° Π		desc. node	6670 Apr 26 12:43	12° Υ 14'25	
morning set	6669 Jun 22 20:29	26° Π 56'24		morning max el	6670 Apr 30 22:35	16° Υ 13'18	26°22'59
	6669 Jun 24 09:42	0° \mathcal{E}			6670 May 12 07:54	0° \mathcal{B}	
max. Earth dist.	6669 Jun 27 12:54	6° \mathcal{E} 21'17	1.33387 AU		6670 May 31 12:03	0° Π	
				morning set	6670 Jun 05 23:37	9° Π 57'18	
superior conj	6669 Jul 01 00:38	13° \mathcal{E} 39'41	-0°00'43	max. Earth dist.	6670 Jun 10 00:16	17° Π 40'54	1.34849 AU
minimum elong	6669 Jul 01 00:41	13° \mathcal{E} 39'52	0°00'46				
behind sun begin	6669 Jun 30 19:11	13° \mathcal{E} 10'47		superior conj	6670 Jun 14 22:15	27° Π 33'40	-0°30'38
behind sun end	6669 Jul 01 06:10	14° \mathcal{E} 09'00		minimum elong	6670 Jun 14 23:59	27° Π 42'29	0°30'21
asc. node	6669 Jul 01 02:19	13° \mathcal{E} 48'34			6670 Jun 16 02:40	0° \mathcal{E}	
evening rise	6669 Jul 08 05:04	29° \mathcal{E} 00'16		asc. node	6670 Jun 17 23:19	3° \mathcal{E} 51'57	
	6669 Jul 08 16:24	0° \mathcal{Q}		evening rise	6670 Jun 22 13:51	13° \mathcal{E} 28'28	
	6669 Jul 26 04:16	0° \mathcal{M}			6670 Jul 01 02:24	0° \mathcal{Q}	
evening max el	6669 Jul 29 10:39	3° \mathcal{M} 33'41	22°14'39	evening max el	6670 Jul 11 09:35	14° \mathcal{Q} 14'13	20°46'10
desc. node	6669 Aug 05 14:52	8° \mathcal{M} 41'54		retrograde	6670 Jul 22 20:10	19° \mathcal{Q} 52'42	
retrograde	6669 Aug 11 08:06	9° \mathcal{M} 58'04		desc. node	6670 Jul 23 11:55	19° \mathcal{Q} 51'39	
evening set	6669 Aug 14 09:10	9° \mathcal{M} 37'35		evening set	6670 Jul 24 22:48	19° \mathcal{Q} 41'59	
min. Earth dist.	6669 Aug 22 16:41	6° \mathcal{M} 01'22	0.54973 AU	inferior conj	6670 Aug 03 05:22	15° \mathcal{Q} 45'02	-3°08'15
inferior conj	6669 Aug 23 12:37	5° \mathcal{M} 33'17	-4°41'17	minimum elong	6670 Aug 02 21:04	15° \mathcal{Q} 56'51	3°05'32
minimum elong	6669 Aug 23 04:18	5° \mathcal{M} 45'01	4°39'35	min. Earth dist.	6670 Aug 04 02:41	15° \mathcal{Q} 14'41	0.54784 AU
morning rise	6669 Sep 01 01:05	1° \mathcal{M} 44'13		morning rise	6670 Aug 11 19:12	11° \mathcal{Q} 44'21	
direct	6669 Sep 04 07:07	1° \mathcal{M} 20'30		direct	6670 Aug 15 15:56	11° \mathcal{Q} 12'22	
morning max el	6669 Sep 16 00:47	6° \mathcal{M} 50'18	21°24'33	morning max el	6670 Aug 28 18:16	17° \mathcal{Q} 29'27	23°05'31
asc. node	6669 Sep 27 01:40	21° \mathcal{M} 29'08			6670 Sep 07 19:56	0° \mathcal{M}	
	6669 Oct 01 17:34	0° \mathcal{L}		asc. node	6670 Sep 13 22:40	10° \mathcal{M} 25'11	
morning set	6669 Oct 06 06:41	9° \mathcal{L} 11'08		morning set	6670 Sep 20 17:50	24° \mathcal{M} 01'54	
					6670 Sep 23 12:54	0° \mathcal{L}	
superior conj	6669 Oct 13 13:21	24° \mathcal{L} 27'59	1°42'13				
minimum elong	6669 Oct 13 13:44	24° \mathcal{L} 29'57	1°42'14	superior conj	6670 Sep 27 18:08	9° \mathcal{L} 05'25	1°40'46
	6669 Oct 16 05:55	0° \mathcal{M}		minimum elong	6670 Sep 27 17:16	9° \mathcal{L} 00'47	1°40'45
max. Earth dist.	6669 Oct 17 19:44	3° \mathcal{M} 10'37	1.35145 AU	max. Earth dist.	6670 Sep 30 15:09	15° \mathcal{L} 11'35	1.33656 AU
evening rise	6669 Oct 22 00:55	11° \mathcal{M} 23'25		evening rise	6670 Oct 05 11:44	25° \mathcal{L} 06'39	
desc. node	6669 Nov 01 14:00	0° \mathcal{X} 01'24			6670 Oct 08 00:02	0° \mathcal{M}	
	6669 Nov 01 13:40	0° \mathcal{X}		desc. node	6670 Oct 19 11:02	20° \mathcal{M} 04'21	
	6669 Nov 23 05:31	0° \mathcal{Z}			6670 Oct 26 01:00	0° \mathcal{X}	
evening max el	6669 Nov 26 08:54	3° \mathcal{Z} 13'36	26°38'44	evening max el	6670 Nov 08 21:40	16° \mathcal{X} 43'13	27°17'03
retrograde	6669 Dec 09 09:07	10° \mathcal{Z} 29'20		retrograde	6670 Nov 22 08:38	24° \mathcal{X} 01'45	
evening set	6669 Dec 15 20:53	7° \mathcal{Z} 53'22		evening set	6670 Nov 29 06:33	21° \mathcal{X} 23'57	
min. Earth dist.	6669 Dec 19 22:53	3° \mathcal{Z} 44'23	0.66131 AU	min. Earth dist.	6670 Dec 03 02:48	17° \mathcal{X} 49'21	0.64724 AU
inferior conj	6669 Dec 21 18:09	1° \mathcal{Z} 35'53	-0°46'25	inferior conj	6670 Dec 05 09:54	15° \mathcal{X} 19'53	-1°50'26
minimum elong	6669 Dec 21 19:27	1° \mathcal{Z} 32'01	0°45'48	minimum elong	6670 Dec 05 13:11	15° \mathcal{X} 10'55	1°49'02
	6669 Dec 23 02:58	30° \mathcal{R} \mathcal{X}		asc. node	6670 Dec 10 22:00	10° \mathcal{X} 21'17	
asc. node	6669 Dec 24 00:58	28° \mathcal{X} 59'22		morning rise	6670 Dec 11 21:09	9° \mathcal{X} 51'11	
morning rise	6669 Dec 27 18:52	25° \mathcal{X} 53'32		direct	6670 Dec 14 11:08	9° \mathcal{X} 16'26	
direct	6669 Dec 30 16:39	25° \mathcal{X} 06'22		morning max el	6670 Dec 20 22:00	12° \mathcal{X} 40'43	17°57'20
morning max el	6670 Jan 06 05:46	28° \mathcal{X} 38'28	18°23'33		6671 Jan 02 00:32	0° \mathcal{Z}	
	6670 Jan 07 12:36	0° \mathcal{Z}		morning set	6671 Jan 07 09:05	8° \mathcal{Z} 55'54	
morning set	6670 Jan 26 00:02	27° \mathcal{Z} 32'14		desc. node	6671 Jan 15 10:18	22° \mathcal{Z} 15'17	
	6670 Jan 27 13:01	0° \approx			6671 Jan 20 05:11	0° \approx	
desc. node	6670 Jan 28 13:19	1° \approx 37'00					
				superior conj	6671 Jan 21 03:52	1° \approx 30'49	-0°39'52
superior conj	6670 Feb 10 16:07	22° \approx 20'40	-1°24'12	minimum elong	6671 Jan 20 23:07	1° \approx 11'52	0°39'10
minimum elong	6670 Feb 10 06:51	21° \approx 44'21	1°23'09	max. Earth dist.	6671 Jan 25 10:51	8° \approx 19'35	1.45057 AU
max. Earth dist.	6670 Feb 11 15:04	23° \approx 50'38	1.45426 AU	evening rise	6671 Feb 06 07:35	26° \approx 46'58	
	6670 Feb 15 13:26	0° \mathcal{H}			6671 Feb 08 09:50	0° \mathcal{H}	
evening rise	6670 Feb 26 15:26	17° \mathcal{H} 23'14		greatest brilliancy	6671 Feb 20 18:38	18° \mathcal{H} 40'54	-0.6m
	6670 Mar 06 15:56	0° Υ			6671 Feb 28 22:42	0° Υ	
greatest brilliancy	6670 Mar 08 21:16	3° Υ 27'20	-0.8m	evening max el	6671 Mar 04 15:42	4° Υ 15'47	19°58'33
evening max el	6670 Mar 21 10:47	20° Υ 40'50	19°05'26	asc. node	6671 Mar 08 21:11	7° Υ 41'20	
asc. node	6670 Mar 22 00:08	21° Υ 13'48		retrograde	6671 Mar 12 06:15	8° Υ 40'31	
retrograde	6670 Mar 28 08:12	24° Υ 33'44		evening set	6671 Mar 16 00:27	7° Υ 18'08	
evening set	6670 Mar 31 18:11	23° Υ 25'52		inferior conj	6671 Mar 21 09:27	1° Υ 16'48	3°12'23

minimum elong	6671 Mar 21 07:45	1°♄22'31	3°12'07	evening max el	6672 Feb 15 15:05	17°♄51'43	21°04'59
	6671 Mar 22 08:18	30°♄		asc. node	6672 Feb 23 18:15	22°♄54'19	
min. Earth dist.	6671 Mar 22 07:49	0°♄01'34	0.67288 AU	retrograde	6672 Feb 24 04:35	22°♄55'17	
morning rise	6671 Mar 26 14:50	25°♄01'08		evening set	6672 Feb 28 08:14	21°♄18'00	
direct	6671 Apr 01 11:54	22°♄23'35		inferior conj	6672 Mar 04 15:58	15°♄04'47	2°48'04
desc. node	6671 Apr 13 09:43	29°♄33'04		minimum elong	6672 Mar 04 13:44	15°♄12'30	2°47'32
morning max el	6671 Apr 13 07:53	29°♄28'25	25°04'10	min. Earth dist.	6672 Mar 05 01:08	14°♄33'04	0.67979 AU
	6671 Apr 13 20:13	0°♄		morning rise	6672 Mar 09 19:04	8°♄51'10	
	6671 May 06 04:08	0°♄		direct	6672 Mar 15 02:15	6°♄31'07	
morning set	6671 May 19 10:13	22°♄07'55		morning max el	6672 Mar 25 16:55	12°♄50'30	23°35'33
max. Earth dist.	6671 May 23 01:32	28°♄45'21	1.36731 AU	desc. node	6672 Mar 30 06:43	17°♄54'58	
	6671 May 23 17:34	0°♄			6672 Apr 08 12:11	0°♄	
					6672 Apr 28 00:45	0°♄	
superior conj	6671 May 29 10:12	10°♄55'47	-1°01'28	morning set	6672 Apr 29 22:32	3°♄12'33	
minimum elong	6671 May 29 13:47	11°♄13'27	1°00'53	max. Earth dist.	6672 May 03 21:11	10°♄01'01	1.38897 AU
asc. node	6671 Jun 04 20:21	23°♄48'36					
evening rise	6671 Jun 06 17:57	27°♄38'54		superior conj	6672 May 11 08:40	23°♄35'51	-1°30'50
	6671 Jun 07 22:05	0°♄		minimum elong	6672 May 11 13:46	23°♄59'46	1°30'11
evening max el	6671 Jun 23 21:21	25°♄36'24	19°35'43		6672 May 14 17:39	0°♄	
	6671 Jun 30 19:33	0°♄		evening rise	6672 May 20 14:31	11°♄22'57	
retrograde	6671 Jul 03 14:49	0°♄23'16		asc. node	6672 May 21 17:24	13°♄33'20	
evening set	6671 Jul 05 12:01	0°♄13'17			6672 May 30 21:19	0°♄	
	6671 Jul 06 12:25	30°♄		evening max el	6672 Jun 05 20:40	7°♄40'28	18°45'43
desc. node	6671 Jul 10 08:58	28°♄27'13		retrograde	6672 Jun 14 01:41	11°♄43'31	
inferior conj	6671 Jul 14 06:35	26°♄08'54	-1°10'52	evening set	6672 Jun 16 03:18	11°♄29'02	
minimum elong	6671 Jul 14 03:21	26°♄14'00	1°09'41	inferior conj	6672 Jun 24 02:35	7°♄07'50	0°37'51
min. Earth dist.	6671 Jul 16 15:18	24°♄39'31	0.55547 AU	minimum elong	6672 Jun 24 04:01	7°♄05'13	0°37'16
morning rise	6671 Jul 22 16:19	21°♄37'47		desc. node	6672 Jun 26 06:01	5°♄32'58	
direct	6671 Jul 27 08:03	20°♄49'28		min. Earth dist.	6672 Jun 27 07:58	4°♄46'30	0.57118 AU
morning max el	6671 Aug 10 07:32	27°♄48'35	24°49'57	morning rise	6672 Jul 02 01:16	1°♄59'42	
	6671 Aug 12 11:40	0°♄		direct	6672 Jul 07 14:24	0°♄44'22	
asc. node	6671 Aug 31 19:40	29°♄48'13		morning max el	6672 Jul 21 22:48	8°♄14'45	26°21'38
	6671 Aug 31 22:03	0°♄			6672 Aug 07 06:28	0°♄	
morning set	6671 Sep 05 05:36	8°♄53'13		asc. node	6672 Aug 17 16:41	19°♄30'12	
				morning set	6672 Aug 19 16:18	23°♄39'04	
superior conj	6671 Sep 12 03:19	23°♄54'19	1°33'20		6672 Aug 22 15:02	0°♄	
minimum elong	6671 Sep 12 01:33	23°♄44'44	1°33'11				
max. Earth dist.	6671 Sep 13 18:35	27°♄28'20	1.32596 AU	superior conj	6672 Aug 26 14:42	8°♄47'05	1°20'34
	6671 Sep 14 22:38	0°♄		minimum elong	6672 Aug 26 12:29	8°♄34'51	1°20'15
evening rise	6671 Sep 19 08:39	9°♄17'36		max. Earth dist.	6672 Aug 27 03:19	9°♄56'49	1.31974 AU
	6671 Sep 30 08:42	0°♄		evening rise	6672 Sep 02 12:36	23°♄46'58	
desc. node	6671 Oct 06 08:06	9°♄40'06			6672 Sep 05 13:15	0°♄	
evening max el	6671 Oct 22 08:15	29°♄46'58	27°27'40	desc. node	6672 Sep 22 05:10	28°♄36'55	
	6671 Oct 22 13:48	0°♄			6672 Sep 23 04:52	0°♄	
retrograde	6671 Nov 05 01:39	7°♄03'09		evening max el	6672 Oct 03 14:15	12°♄12'02	27°05'57
evening set	6671 Nov 12 04:59	4°♄32'30		retrograde	6672 Oct 17 11:25	19°♄23'36	
min. Earth dist.	6671 Nov 15 21:06	1°♄28'36	0.62995 AU	evening set	6672 Oct 24 12:20	17°♄11'38	
	6671 Nov 17 09:47	30°♄		min. Earth dist.	6672 Oct 28 04:51	14°♄29'38	0.61012 AU
inferior conj	6671 Nov 18 15:32	28°♄46'54	-2°56'53	inferior conj	6672 Oct 31 07:52	11°♄48'32	-4°01'15
minimum elong	6671 Nov 18 20:53	28°♄33'51	2°54'54	minimum elong	6672 Oct 31 14:34	11°♄34'05	3°59'18
morning rise	6671 Nov 25 14:37	23°♄35'11		morning rise	6672 Nov 07 18:59	6°♄56'52	
direct	6671 Nov 27 23:13	23°♄09'12		direct	6672 Nov 10 01:14	6°♄36'15	
asc. node	6671 Nov 27 19:01	23°♄09'21		asc. node	6672 Nov 13 16:02	7°♄31'22	
morning max el	6671 Dec 04 15:05	26°♄34'45	17°48'38	morning max el	6672 Nov 17 05:44	10°♄11'50	17°58'26
	6671 Dec 07 14:12	0°♄			6672 Nov 30 05:53	0°♄	
morning set	6671 Dec 20 18:44	21°♄30'25		morning set	6672 Dec 02 22:28	4°♄56'09	
	6671 Dec 25 15:28	0°♄					
superior conj	6672 Jan 01 14:26	11°♄49'18	0°05'04	superior conj	6672 Dec 13 03:03	23°♄23'06	0°43'03
minimum elong	6672 Jan 01 14:57	11°♄51'27	0°05'03	minimum elong	6672 Dec 13 06:19	23°♄37'23	0°42'39
behind sun begin	6672 Jan 01 06:06	11°♄14'34			6672 Dec 16 22:51	0°♄	
behind sun end	6672 Jan 01 23:48	12°♄28'15		desc. node	6672 Dec 19 04:21	3°♄45'55	
desc. node	6672 Jan 02 07:18	12°♄59'24		max. Earth dist.	6672 Dec 20 16:44	6°♄17'25	1.42347 AU
max. Earth dist.	6672 Jan 08 04:09	22°♄33'53	1.43988 AU	evening rise	6672 Dec 26 15:28	15°♄55'40	
	6672 Jan 12 20:35	0°♄			6673 Jan 04 18:31	0°♄	
					6673 Jan 26 23:03	0°♄	
evening rise	6672 Jan 16 18:27	6°♄05'12		evening max el	6673 Jan 28 09:26	1°♄30'08	22°20'50
	6672 Feb 01 18:31	0°♄		retrograde	6673 Feb 07 01:21	7°♄14'33	

asc. node	6673 Feb 09 15:17	6° X 40'05	retrograde	6674 Jan 21 19:04	21° \approx 33'28	
evening set	6673 Feb 11 15:54	5° X 22'06	evening set	6674 Jan 26 21:51	19° \approx 26'03	
	6673 Feb 16 07:00	30° \approx	asc. node	6674 Jan 27 12:20	18° \approx 53'40	
inferior conj	6673 Feb 17 00:13	29° \approx 00'19 2°14'38	inferior conj	6674 Feb 01 08:17	12° \approx 59'28	1°33'02
minimum elong	6673 Feb 16 21:55	29° \approx 08'20 2°13'57	minimum elong	6674 Feb 01 06:22	13° \approx 06'02	1°32'23
min. Earth dist.	6673 Feb 16 21:21	29° \approx 10'16 0.68256 AU	min. Earth dist.	6674 Jan 31 18:04	13° \approx 48'02	0.68141 AU
morning rise	6673 Feb 22 03:46	22° \approx 50'15	morning rise	6674 Feb 06 14:50	6° \approx 54'40	
direct	6673 Feb 26 20:39	20° \approx 51'44	direct	6674 Feb 10 17:55	5° \approx 18'47	
morning max el	6673 Mar 08 04:31	26° \approx 20'05 22°07'03	morning max el	6674 Feb 18 22:10	10° \approx 00'07	20°46'27
	6673 Mar 11 13:09	0° X	desc. node	6674 Mar 04 00:43	26° \approx 43'07	
desc. node	6673 Mar 17 03:44	7° X 02'45		6674 Mar 06 07:14	0° X	
	6673 Apr 02 01:14	0° Y	morning set	6674 Mar 20 14:16	21° X 35'29	
morning set	6673 Apr 10 07:30	12° Y 59'30		6674 Mar 25 22:14	0° Y	
max. Earth dist.	6673 Apr 15 18:46	21° Y 59'33 1.41104 AU	max. Earth dist.	6674 Mar 28 23:31	4° Y 54'44	1.43061 AU
	6673 Apr 20 11:23	0° Z				
superior conj	6673 Apr 23 13:14	5° Z 24'14 -1°55'04	superior conj	6674 Apr 04 19:04	16° Y 10'02	-2°09'07
minimum elong	6673 Apr 23 18:24	5° Z 47'11 1°54'41	minimum elong	6674 Apr 04 21:17	16° Y 19'22	2°09'06
evening rise	6673 May 04 00:06	24° Z 32'25		6674 Apr 12 19:58	0° Z	
	6673 May 06 22:44	0° II	evening rise	6674 Apr 16 18:26	6° Z 57'22	
asc. node	6673 May 08 14:28	3° II 01'32	asc. node	6674 Apr 25 11:31	22° Z 06'54	
evening max el	6673 May 20 04:09	20° II 19'19 18°16'02		6674 Apr 30 17:42	0° II	
retrograde	6673 May 27 07:18	23° II 53'40	evening max el	6674 May 03 16:04	3° II 23'08	18°05'58
evening set	6673 May 29 16:16	23° II 30'44	retrograde	6674 May 10 05:07	6° II 45'00	
inferior conj	6673 Jun 05 20:13	18° II 49'15 1°59'36	evening set	6674 May 12 21:15	6° II 11'04	
minimum elong	6673 Jun 05 23:26	18° II 42'18 1°58'36	inferior conj	6674 May 19 09:10	1° II 09'11	2°52'04
min. Earth dist.	6673 Jun 09 06:10	15° II 54'24 0.59198 AU	minimum elong	6674 May 19 11:58	1° II 02'12	2°51'28
morning rise	6673 Jun 13 03:34	13° II 10'21		6674 May 20 12:53	30° KZ	
desc. node	6673 Jun 13 03:03	13° II 11'04	min. Earth dist.	6674 May 22 11:47	28° Z 05'25	0.61433 AU
direct	6673 Jun 19 10:42	11° II 21'56	morning rise	6674 May 26 00:40	25° Z 09'59	
morning max el	6673 Jul 03 19:48	19° II 11'31 27°25'41	desc. node	6674 May 31 00:04	23° Z 00'22	
	6673 Jul 12 23:29	0° Z	direct	6674 Jun 01 18:04	22° Z 51'10	
	6673 Jul 30 23:07	0° Z		6674 Jun 15 02:31	0° II	
morning set	6673 Aug 04 00:15	8° Z 14'21	morning max el	6674 Jun 15 23:12	0° II 50'28	27°53'28
asc. node	6673 Aug 04 13:44	9° Z 25'13		6674 Jul 07 03:28	0° Z	
max. Earth dist.	6673 Aug 10 14:02	22° Z 28'50 1.31790 AU	morning set	6674 Jul 19 03:35	22° Z 33'27	
			asc. node	6674 Jul 22 10:46	29° Z 28'19	
superior conj	6673 Aug 11 02:29	23° Z 37'38 1°03'01		6674 Jul 22 16:42	0° Z	
minimum elong	6673 Aug 11 00:16	23° Z 25'23 1°02'36	max. Earth dist.	6674 Jul 24 23:01	4° Z 53'17	1.32046 AU
	6673 Aug 13 23:38	0° Z				
evening rise	6673 Aug 17 21:10	8° Z 27'31	superior conj	6674 Jul 26 12:52	8° Z 20'20	0°41'09
	6673 Aug 28 23:33	0° Z	minimum elong	6674 Jul 26 11:08	8° Z 10'50	0°40'45
desc. node	6673 Sep 09 02:12	16° Z 39'13	evening rise	6674 Aug 02 08:17	23° Z 12'44	
evening max el	6673 Sep 15 13:24	23° Z 49'31 26°10'54		6674 Aug 05 14:08	0° Z	
	6673 Sep 24 16:11	0° Z	desc. node	6674 Aug 23 21:25	0° Z	
retrograde	6673 Sep 29 12:09	0° Z 55'37	evening max el	6674 Aug 26 23:14	3° Z 25'24	
	6673 Oct 04 06:37	30° KZ	retrograde	6674 Aug 28 04:59	4° Z 39'19	24°48'07
evening set	6673 Oct 05 23:48	29° Z 13'53	evening set	6674 Sep 11 01:43	11° Z 38'28	
min. Earth dist.	6673 Oct 10 02:31	26° Z 39'08 0.58932 AU	min. Earth dist.	6674 Sep 16 11:06	10° Z 33'12	
inferior conj	6673 Oct 13 07:22	24° Z 15'26 -4°55'10		6674 Sep 21 16:14	7° Z 47'34	0.56990 AU
minimum elong	6673 Oct 13 13:23	24° Z 04'09 4°54'04	inferior conj	6674 Sep 24 11:11	5° Z 58'48	-5°24'54
morning rise	6673 Oct 21 05:12	19° Z 46'04	minimum elong	6674 Sep 24 12:54	5° Z 56'00	5°24'49
direct	6673 Oct 23 13:02	19° Z 27'45	morning rise	6674 Oct 02 16:56	1° Z 51'49	
morning max el	6673 Oct 31 14:24	23° Z 22'15 18°28'11	direct	6674 Oct 05 06:46	1° Z 33'09	
asc. node	6673 Oct 31 13:05	23° Z 19'04	morning max el	6674 Oct 14 13:39	5° Z 56'19	19°19'33
	6673 Nov 05 22:39	0° Z	asc. node	6674 Oct 18 10:06	10° Z 17'56	
morning set	6673 Nov 16 14:49	18° Z 57'02		6674 Oct 29 23:02	0° Z	
	6673 Nov 22 09:03	0° Z	morning set	6674 Oct 31 15:50	3° Z 22'17	
superior conj	6673 Nov 25 14:01	6° Z 00'55 1°11'24				
minimum elong	6673 Nov 25 17:37	6° Z 17'34 1°11'01	superior conj	6674 Nov 08 18:12	19° Z 28'54	1°30'02
max. Earth dist.	6673 Dec 03 00:39	19° Z 20'54 1.40339 AU	minimum elong	6674 Nov 08 20:50	19° Z 41'41	1°29'51
desc. node	6673 Dec 06 01:21	24° Z 30'49		6674 Nov 14 07:14	0° Z	
evening rise	6673 Dec 07 08:35	26° Z 41'15	max. Earth dist.	6674 Nov 15 06:15	1° Z 45'37	1.38203 AU
	6673 Dec 09 08:54	0° Z	evening rise	6674 Nov 19 00:10	8° Z 27'29	
	6673 Dec 29 10:35	0° \approx	desc. node	6674 Nov 22 22:22	15° Z 10'51	
evening max el	6674 Jan 11 00:15	15° \approx 11'53 23°40'51		6674 Dec 02 05:32	0° Z	
			evening max el	6674 Dec 24 13:25	28° Z 57'12	24°58'24
				6674 Dec 25 15:38	0° \approx	

retrograde	6675 Jan 05 08:38	5° \approx 48'03			6675 Nov 26 03:28	0° \mathfrak{Z}	
evening set	6675 Jan 11 00:35	3° \approx 26'46		evening max el	6675 Dec 07 02:13	12° \mathfrak{Z} 42'10	26°06'32
asc. node	6675 Jan 14 09:22	29° \mathfrak{Z} 51'27		retrograde	6675 Dec 19 17:25	19° \mathfrak{Z} 52'13	
	6675 Jan 14 06:36	30° \mathfrak{R} \mathfrak{Z}		evening set	6675 Dec 25 22:22	17° \mathfrak{Z} 19'58	
min. Earth dist.	6675 Jan 15 13:00	28° \mathfrak{Z} 23'09	0.67653 AU	min. Earth dist.	6675 Dec 30 03:52	12° \mathfrak{Z} 51'13	0.66793 AU
inferior conj	6675 Jan 16 14:23	26° \mathfrak{Z} 59'46	0°44'03	inferior conj	6675 Dec 31 16:37	10° \mathfrak{Z} 57'23	-0°11'38
minimum elong	6675 Jan 16 13:20	27° \mathfrak{Z} 03'14	0°43'41	minimum elong	6675 Dec 31 16:56	10° \mathfrak{Z} 56'26	0°11'27
morning rise	6675 Jan 22 02:18	21° \mathfrak{Z} 02'03		transit middle	6675 Dec 31 16:56	10° \mathfrak{Z} 56'26	0°11'27
direct	6675 Jan 25 16:41	19° \mathfrak{Z} 47'34		transit begin	6675 Dec 31 14:55	11° \mathfrak{Z} 02'40	
morning max el	6675 Feb 01 23:50	23° \mathfrak{Z} 52'27	19°38'40	transit end	6675 Dec 31 18:56	10° \mathfrak{Z} 50'13	
	6675 Feb 07 05:31	0° \approx		asc. node	6676 Jan 01 06:23	10° \mathfrak{Z} 14'54	
greatest brilliancy	6675 Feb 14 20:51	10° \approx 45'35	-0.7m	morning rise	6676 Jan 06 12:06	5° \mathfrak{Z} 08'58	
desc. node	6675 Feb 18 21:42	16° \approx 47'25		direct	6676 Jan 09 15:22	4° \mathfrak{Z} 12'59	
morning set	6675 Feb 27 11:03	29° \approx 51'30		morning max el	6676 Jan 16 08:59	7° \mathfrak{Z} 53'47	18°46'15
	6675 Feb 27 13:16	0° \mathfrak{H}			6676 Feb 01 05:05	0° \approx	
max. Earth dist.	6675 Mar 11 11:49	18° \mathfrak{H} 38'45	1.44515 AU	desc. node	6676 Feb 05 18:42	7° \approx 08'54	
				morning set	6676 Feb 06 22:40	8° \approx 58'35	
superior conj	6675 Mar 15 23:40	25° \mathfrak{H} 49'30	-2°07'05		6676 Feb 20 08:47	0° \mathfrak{H}	
minimum elong	6675 Mar 15 19:36	25° \mathfrak{H} 33'08	2°06'56	max. Earth dist.	6676 Feb 22 05:05	2° \mathfrak{H} 53'35	1.45302 AU
	6675 Mar 18 13:37	0° \mathfrak{Y}					
evening rise	6675 Mar 29 17:02	18° \mathfrak{Y} 29'08		superior conj	6676 Feb 23 08:16	4° \mathfrak{H} 40'11	-1°45'04
	6675 Apr 05 13:13	0° \mathfrak{B}		minimum elong	6676 Feb 22 23:01	4° \mathfrak{H} 03'55	1°44'16
asc. node	6675 Apr 12 08:33	10° \mathfrak{B} 42'11		evening rise	6676 Mar 09 16:35	29° \mathfrak{H} 03'13	
evening max el	6675 Apr 17 05:09	16° \mathfrak{B} 43'17	18°14'52		6676 Mar 10 06:42	0° \mathfrak{Y}	
retrograde	6675 Apr 23 14:38	20° \mathfrak{B} 07'33		greatest brilliancy	6676 Mar 16 12:22	10° \mathfrak{Y} 02'30	-0.9m
evening set	6675 Apr 26 13:28	19° \mathfrak{B} 21'08		asc. node	6676 Mar 29 05:35	28° \mathfrak{Y} 37'53	
inferior conj	6675 May 02 13:26	14° \mathfrak{B} 00'19	3°19'47		6676 Mar 30 11:35	0° \mathfrak{B}	
minimum elong	6675 May 02 14:53	13° \mathfrak{B} 56'14	3°19'36	evening max el	6676 Mar 30 16:39	0° \mathfrak{B} 12'56	18°42'01
min. Earth dist.	6675 May 05 02:35	11° \mathfrak{B} 10'17	0.63533 AU	retrograde	6676 Apr 06 07:35	3° \mathfrak{B} 52'26	
morning rise	6675 May 08 15:10	7° \mathfrak{B} 49'49		evening set	6676 Apr 09 13:14	2° \mathfrak{B} 52'44	
direct	6675 May 15 10:22	5° \mathfrak{B} 10'00			6676 Apr 12 20:40	30° \mathfrak{R} \mathfrak{Y}	
desc. node	6675 May 17 21:05	5° \mathfrak{B} 28'35		inferior conj	6676 Apr 15 05:01	27° \mathfrak{Y} 14'47	3°28'12
morning max el	6675 May 29 07:26	13° \mathfrak{B} 10'40	27°43'26	minimum elong	6676 Apr 15 05:01	27° \mathfrak{Y} 14'49	3°28'10
	6675 Jun 11 18:59	0° \mathfrak{I}		min. Earth dist.	6676 Apr 17 02:48	24° \mathfrak{Y} 54'49	0.65314 AU
	6675 Jun 29 16:10	0° \mathfrak{E}		morning rise	6676 Apr 20 20:11	20° \mathfrak{Y} 59'21	
morning set	6675 Jul 02 23:58	6° \mathfrak{E} 29'19		direct	6676 Apr 27 10:21	18° \mathfrak{Y} 10'59	
max. Earth dist.	6675 Jul 08 02:17	16° \mathfrak{E} 58'10	1.32762 AU	desc. node	6676 May 03 18:05	20° \mathfrak{Y} 15'14	
asc. node	6675 Jul 09 07:47	19° \mathfrak{E} 34'42		morning max el	6676 May 10 17:45	26° \mathfrak{Y} 02'07	27°00'01
					6676 May 14 09:28	0° \mathfrak{B}	
superior conj	6675 Jul 10 20:00	22° \mathfrak{E} 48'56	0°15'30		6676 Jun 04 08:17	0° \mathfrak{I}	
minimum elong	6675 Jul 10 19:15	22° \mathfrak{E} 44'55	0°15'17	morning set	6676 Jun 15 10:31	19° \mathfrak{I} 53'54	
behind sun begin	6675 Jul 10 17:42	22° \mathfrak{E} 36'33		max. Earth dist.	6676 Jun 19 20:11	28° \mathfrak{I} 34'55	1.33949 AU
behind sun end	6675 Jul 10 20:49	22° \mathfrak{E} 53'18			6676 Jun 20 12:57	0° \mathfrak{E}	
	6675 Jul 14 03:36	0° \mathfrak{O}					
evening rise	6675 Jul 17 20:00	7° \mathfrak{O} 56'01		superior conj	6676 Jun 23 21:48	6° \mathfrak{E} 57'45	-0°13'12
	6675 Jul 29 08:06	0° \mathfrak{M}		minimum elong	6676 Jun 23 22:31	7° \mathfrak{E} 01'28	0°13'06
evening max el	6675 Aug 09 16:46	14° \mathfrak{M} 58'07	23°10'40	behind sun begin	6676 Jun 23 19:13	6° \mathfrak{E} 44'15	
desc. node	6675 Aug 13 20:17	18° \mathfrak{M} 25'40		behind sun end	6676 Jun 24 01:48	7° \mathfrak{E} 18'42	
retrograde	6675 Aug 23 02:54	21° \mathfrak{M} 41'12		asc. node	6676 Jun 25 04:48	9° \mathfrak{E} 40'42	
evening set	6675 Aug 27 00:13	21° \mathfrak{M} 08'07		evening rise	6676 Jul 01 06:28	22° \mathfrak{E} 31'41	
min. Earth dist.	6675 Sep 03 01:44	17° \mathfrak{M} 54'24	0.55497 AU		6676 Jul 04 21:48	0° \mathfrak{O}	
inferior conj	6675 Sep 04 19:09	16° \mathfrak{M} 54'08	-5°12'39	evening max el	6676 Jul 21 09:25	25° \mathfrak{O} 21'36	21°35'10
minimum elong	6675 Sep 04 13:53	17° \mathfrak{M} 01'48	5°12'03		6676 Jul 27 16:05	0° \mathfrak{M}	
morning rise	6675 Sep 13 05:49	13° \mathfrak{M} 03'14		desc. node	6676 Jul 30 17:19	1° \mathfrak{M} 07'08	
direct	6675 Sep 16 05:08	12° \mathfrak{M} 42'12		retrograde	6676 Aug 02 17:57	1° \mathfrak{M} 28'59	
morning max el	6675 Sep 27 00:47	17° \mathfrak{M} 44'45	20°33'11	evening set	6676 Aug 05 07:04	1° \mathfrak{M} 14'14	
asc. node	6675 Oct 05 07:07	28° \mathfrak{M} 11'52			6676 Aug 09 05:12	30° \mathfrak{R} \mathfrak{O}	
	6675 Oct 06 09:54	0° \mathfrak{L}		inferior conj	6676 Aug 14 13:49	27° \mathfrak{O} 14'23	-4°07'01
morning set	6675 Oct 15 22:28	18° \mathfrak{L} 02'09		minimum elong	6676 Aug 14 04:37	27° \mathfrak{O} 27'17	4°04'34
	6675 Oct 21 17:17	0° \mathfrak{M}		min. Earth dist.	6676 Aug 14 11:08	27° \mathfrak{O} 18'08	0.54769 AU
				morning rise	6676 Aug 23 03:16	23° \mathfrak{O} 23'00	
superior conj	6675 Oct 23 10:46	3° \mathfrak{M} 32'15	1°39'59	direct	6676 Aug 26 14:46	22° \mathfrak{O} 56'41	
minimum elong	6675 Oct 23 11:58	3° \mathfrak{M} 38'22	1°39'58	morning max el	6676 Sep 07 23:53	28° \mathfrak{O} 46'54	22°06'15
max. Earth dist.	6675 Oct 28 13:42	13° \mathfrak{M} 43'07	1.36175 AU		6676 Sep 09 05:55	0° \mathfrak{M}	
evening rise	6675 Nov 01 11:39	21° \mathfrak{M} 06'54		asc. node	6676 Sep 21 04:08	16° \mathfrak{M} 48'19	
	6675 Nov 06 10:56	0° \mathfrak{X}			6676 Sep 27 23:47	0° \mathfrak{L}	
desc. node	6675 Nov 09 19:24	5° \mathfrak{X} 40'55		morning set	6676 Sep 29 08:31	2° \mathfrak{L} 50'17	

superior conj	6676 Oct 06 11:58	17° Ω 59'57	1°42'23	superior conj	6677 Sep 20 18:54	2° Ω 43'12	1°38'18
minimum elong	6676 Oct 06 11:47	17° Ω 58'59	1°42'25	minimum elong	6677 Sep 20 17:37	2° Ω 36'13	1°38'15
max. Earth dist.	6676 Oct 10 03:46	25° Ω 36'06	1.34456 AU	max. Earth dist.	6677 Sep 23 02:33	7° Ω 42'21	1.33146 AU
	6676 Oct 12 08:06	0° \mathbb{M}		evening rise	6677 Sep 28 06:37	18° Ω 26'12	
evening rise	6676 Oct 14 15:05	4° \mathbb{M} 29'50			6677 Oct 04 06:46	0° \mathbb{M}	
desc. node	6676 Oct 26 16:27	25° \mathbb{M} 55'37		desc. node	6677 Oct 13 13:30	15° \mathbb{M} 48'15	
	6676 Oct 29 05:47	0° \mathbb{J}			6677 Oct 23 12:18	0° \mathbb{J}	
evening max el	6676 Nov 18 15:05	26° \mathbb{J} 19'59	26°57'57	evening max el	6677 Nov 01 03:16	9° \mathbb{J} 40'50	27°25'25
	6676 Nov 22 22:06	0° \mathbb{Z}		retrograde	6677 Nov 14 17:50	16° \mathbb{J} 59'20	
retrograde	6676 Dec 01 20:42	3° \mathbb{Z} 38'43		evening set	6677 Nov 21 18:32	14° \mathbb{J} 23'32	
evening set	6676 Dec 08 13:11	1° \mathbb{Z} 00'46		min. Earth dist.	6677 Nov 25 12:45	11° \mathbb{J} 02'25	0.64015 AU
	6676 Dec 09 17:30	30° \mathbb{R} \mathbb{J}		inferior conj	6677 Nov 28 00:45	8° \mathbb{J} 26'26	-2°18'32
min. Earth dist.	6676 Dec 12 12:30	27° \mathbb{J} 06'44	0.65572 AU	minimum elong	6677 Nov 28 04:56	8° \mathbb{J} 15'31	2°16'51
inferior conj	6676 Dec 14 12:53	24° \mathbb{J} 48'05	-1°13'04	morning rise	6677 Dec 04 16:54	3° \mathbb{J} 04'24	
minimum elong	6676 Dec 14 15:00	24° \mathbb{J} 42'01	1°12'08	asc. node	6677 Dec 05 00:28	2° \mathbb{J} 57'11	
asc. node	6676 Dec 18 03:25	21° \mathbb{J} 00'51		direct	6677 Dec 07 04:11	2° \mathbb{J} 33'53	
morning rise	6676 Dec 20 17:55	19° \mathbb{J} 11'21		morning max el	6677 Dec 13 16:27	5° \mathbb{J} 58'04	17°51'27
direct	6676 Dec 23 11:59	18° \mathbb{J} 30'07			6677 Dec 29 14:17	0° \mathbb{Z}	
morning max el	6676 Dec 29 23:27	21° \mathbb{J} 57'56	18°10'18	morning set	6677 Dec 30 11:27	1° \mathbb{Z} 30'19	
	6677 Jan 05 07:45	0° \mathbb{Z}		desc. node	6678 Jan 09 12:43	18° \mathbb{Z} 24'07	
morning set	6677 Jan 17 15:00	19° \mathbb{Z} 33'01					
desc. node	6677 Jan 22 15:42	27° \mathbb{Z} 42'26		superior conj	6678 Jan 12 09:39	23° \mathbb{Z} 05'49	-0°20'22
	6677 Jan 24 01:52	0° \approx		minimum elong	6678 Jan 12 07:20	22° \mathbb{Z} 56'26	0°19'58
					6678 Jan 16 16:38	0° \approx	
superior conj	6677 Feb 01 13:11	13° \approx 28'27	-1°06'08	max. Earth dist.	6678 Jan 17 19:06	1° \approx 45'12	1.44681 AU
minimum elong	6677 Feb 01 05:22	12° \approx 57'39	1°05'08	evening rise	6678 Jan 28 06:09	18° \approx 03'46	
max. Earth dist.	6677 Feb 04 00:18	17° \approx 20'48	1.45355 AU		6678 Feb 05 02:34	0° \mathbb{H}	
	6677 Feb 12 02:47	0° \mathbb{H}		evening max el	6678 Feb 25 03:10	27° \mathbb{H} 23'37	20°25'22
evening rise	6677 Feb 17 18:02	8° \mathbb{H} 46'08			6678 Feb 28 01:03	0° \mathbb{Y}	
greatest brilliancy	6677 Mar 02 01:01	27° \mathbb{H} 43'34	-0.7m	asc. node	6678 Mar 02 23:41	1° \mathbb{Y} 40'11	
	6677 Mar 03 13:25	0° \mathbb{Y}		retrograde	6678 Mar 05 02:52	2° \mathbb{Y} 03'58	
evening max el	6677 Mar 14 00:25	13° \mathbb{Y} 47'00	19°26'13	evening set	6678 Mar 09 00:54	0° \mathbb{Y} 35'26	
asc. node	6677 Mar 16 02:38	15° \mathbb{Y} 41'45			6678 Mar 09 18:07	30° \mathbb{R} \mathbb{H}	
retrograde	6677 Mar 21 04:31	17° \mathbb{Y} 52'41		inferior conj	6678 Mar 14 09:09	24° \mathbb{H} 28'59	3°03'15
evening set	6677 Mar 24 17:45	16° \mathbb{Y} 38'56		minimum elong	6678 Mar 14 07:10	24° \mathbb{H} 35'45	3°02'52
inferior conj	6677 Mar 30 04:30	10° \mathbb{Y} 45'42	3°21'41	min. Earth dist.	6678 Mar 15 01:49	23° \mathbb{H} 32'04	0.67642 AU
minimum elong	6677 Mar 30 03:18	10° \mathbb{Y} 49'37	3°21'32	morning rise	6678 Mar 19 13:12	18° \mathbb{H} 14'01	
min. Earth dist.	6677 Mar 31 11:10	9° \mathbb{Y} 05'21	0.66694 AU	direct	6678 Mar 25 04:39	15° \mathbb{H} 42'54	
morning rise	6677 Apr 04 12:31	4° \mathbb{Y} 29'20		morning max el	6678 Apr 05 12:22	22° \mathbb{H} 29'20	24°26'53
direct	6677 Apr 10 16:48	1° \mathbb{Y} 44'38		desc. node	6678 Apr 07 12:06	24° \mathbb{H} 35'26	
desc. node	6677 Apr 20 15:05	6° \mathbb{Y} 46'58			6678 Apr 12 02:19	0° \mathbb{Y}	
morning max el	6677 Apr 23 03:36	9° \mathbb{Y} 11'08	25°51'12		6678 May 02 20:08	0° \mathbb{B}	
	6677 May 09 12:30	0° \mathbb{B}		morning set	6678 May 11 09:04	14° \mathbb{B} 19'47	
	6677 May 27 21:10	0° \mathbb{I}		max. Earth dist.	6678 May 15 00:16	20° \mathbb{B} 47'43	1.37638 AU
morning set	6677 May 29 07:14	2° \mathbb{I} 35'21			6678 May 19 23:23	0° \mathbb{I}	
max. Earth dist.	6677 Jun 02 02:35	9° \mathbb{I} 43'57	1.35600 AU				
				superior conj	6678 May 21 22:25	3° \mathbb{I} 44'58	-1°14'17
superior conj	6677 Jun 07 15:41	20° \mathbb{I} 39'10	-0°43'45	minimum elong	6678 May 22 02:44	4° \mathbb{I} 05'49	1°13'39
minimum elong	6677 Jun 07 18:11	20° \mathbb{I} 51'50	0°43'18	asc. node	6678 May 29 22:52	19° \mathbb{I} 34'01	
asc. node	6677 Jun 12 01:50	29° \mathbb{I} 41'49		evening rise	6678 May 30 14:46	20° \mathbb{I} 52'58	
	6677 Jun 12 05:21	0° \mathbb{E}			6678 Jun 04 07:15	0° \mathbb{E}	
evening rise	6677 Jun 15 13:31	6° \mathbb{E} 52'53		evening max el	6678 Jun 16 06:51	17° \mathbb{E} 59'53	19°11'54
	6677 Jun 28 08:20	0° \mathbb{Q}		retrograde	6678 Jun 25 07:24	22° \mathbb{E} 25'57	
evening max el	6677 Jul 03 13:45	6° \mathbb{Q} 19'00	20°13'49	evening set	6678 Jun 27 05:59	22° \mathbb{E} 14'30	
retrograde	6677 Jul 14 07:07	11° \mathbb{Q} 35'07		desc. node	6678 Jul 04 11:24	18° \mathbb{E} 52'33	
evening set	6677 Jul 16 05:26	11° \mathbb{Q} 25'37		inferior conj	6678 Jul 05 16:45	18° \mathbb{E} 03'53	-0°22'05
desc. node	6677 Jul 17 14:21	11° \mathbb{Q} 07'56		minimum elong	6678 Jul 05 15:48	18° \mathbb{E} 05'29	0°21'47
inferior conj	6677 Jul 25 08:27	7° \mathbb{Q} 27'31	-2°19'20	min. Earth dist.	6678 Jul 08 12:28	16° \mathbb{E} 10'48	0.56139 AU
minimum elong	6677 Jul 25 02:01	7° \mathbb{Q} 37'01	2°17'02	morning rise	6678 Jul 13 22:35	13° \mathbb{E} 17'14	
min. Earth dist.	6677 Jul 26 22:27	6° \mathbb{Q} 31'29	0.54994 AU	direct	6678 Jul 18 23:47	12° \mathbb{E} 18'22	
morning rise	6677 Aug 02 21:18	3° \mathbb{Q} 15'14		morning max el	6678 Aug 02 03:52	19° \mathbb{E} 31'54	25°31'30
direct	6677 Aug 07 01:36	2° \mathbb{Q} 37'21			6678 Aug 11 00:59	0° \mathbb{Q}	
morning max el	6677 Aug 20 14:43	9° \mathbb{Q} 14'17	23°50'26	asc. node	6678 Aug 25 22:11	25° \mathbb{Q} 28'44	
	6677 Sep 04 19:44	0° \mathbb{N}			6678 Aug 28 02:57	0° \mathbb{N}	
asc. node	6677 Sep 08 01:09	5° \mathbb{N} 56'48		morning set	6678 Aug 29 07:34	2° \mathbb{N} 30'55	
morning set	6677 Sep 13 20:06	17° \mathbb{N} 41'37					
	6677 Sep 19 12:49	0° \mathbb{U}		superior conj	6678 Sep 05 05:12	17° \mathbb{N} 34'14	1°28'32

minimum elong	6678 Sep 05 03:12	17° \mathbb{M} 23'12	1°28'18	superior conj	6679 Aug 20 16:58	2° \mathbb{M} 27'10	1°13'41
max. Earth dist.	6678 Sep 06 08:42	20° \mathbb{M} 05'14	1.32278 AU	minimum elong	6679 Aug 20 14:42	2° \mathbb{M} 14'34	1°13'18
	6678 Sep 10 23:04	0° \mathbb{L}		max. Earth dist.	6679 Aug 20 18:59	2° \mathbb{M} 38'15	1.31845 AU
evening rise	6678 Sep 12 06:50	2° \mathbb{L} 46'01		evening rise	6679 Aug 27 13:03	17° \mathbb{M} 21'33	
	6678 Sep 27 02:22	0° \mathbb{M}			6679 Sep 02 19:30	0° \mathbb{L}	
desc. node	6678 Sep 30 10:34	5° \mathbb{M} 09'03		desc. node	6679 Sep 17 07:36	23° \mathbb{L} 45'15	
evening max el	6678 Oct 14 12:29	22° \mathbb{M} 30'32	27°22'45		6679 Sep 22 06:42	0° \mathbb{M}	
retrograde	6678 Oct 28 07:42	29° \mathbb{M} 44'09		evening max el	6679 Sep 26 15:50	4° \mathbb{M} 36'21	26°46'27
evening set	6678 Nov 04 11:04	27° \mathbb{M} 20'21		retrograde	6679 Oct 10 13:27	11° \mathbb{M} 45'02	
min. Earth dist.	6678 Nov 08 02:44	24° \mathbb{M} 27'00	0.62171 AU	evening set	6679 Oct 17 10:32	9° \mathbb{M} 44'34	
inferior conj	6678 Nov 11 01:11	21° \mathbb{M} 44'05	-3°24'52	min. Earth dist.	6679 Oct 21 05:47	7° \mathbb{M} 08'00	0.60133 AU
minimum elong	6678 Nov 11 07:15	21° \mathbb{M} 30'00	3°22'47	inferior conj	6679 Oct 24 10:45	4° \mathbb{M} 32'12	-4°26'05
morning rise	6678 Nov 18 05:22	16° \mathbb{M} 40'11		minimum elong	6679 Oct 24 17:31	4° \mathbb{M} 18'27	4°24'23
direct	6678 Nov 20 12:38	16° \mathbb{M} 16'47			6679 Oct 31 13:40	30° \mathbb{R} \mathbb{L}	
asc. node	6678 Nov 21 21:31	16° \mathbb{M} 25'19		morning rise	6679 Nov 01 02:41	29° \mathbb{L} 49'54	
morning max el	6678 Nov 27 08:50	19° \mathbb{M} 45'37	17°50'28	direct	6679 Nov 03 09:16	29° \mathbb{L} 30'29	
	6678 Dec 04 22:06	0° \mathbb{X}			6679 Nov 06 02:57	0° \mathbb{M}	
morning set	6678 Dec 13 05:33	14° \mathbb{X} 29'11		asc. node	6679 Nov 08 18:32	1° \mathbb{M} 25'26	
	6678 Dec 22 00:12	0° \mathbb{Z}		morning max el	6679 Nov 10 21:20	3° \mathbb{M} 12'31	18°08'35
				morning set	6679 Nov 26 15:10	28° \mathbb{M} 11'28	
superior conj	6678 Dec 24 07:23	3° \mathbb{Z} 56'32	0°22'16		6679 Nov 27 14:17	0° \mathbb{X}	
minimum elong	6678 Dec 24 09:24	4° \mathbb{Z} 05'09	0°22'01	superior conj	6679 Dec 06 06:06	15° \mathbb{X} 59'21	0°56'18
desc. node	6678 Dec 27 09:44	9° \mathbb{Z} 09'42		minimum elong	6679 Dec 06 09:44	16° \mathbb{X} 15'38	0°55'52
max. Earth dist.	6678 Dec 31 11:01	15° \mathbb{Z} 49'54	1.43353 AU	max. Earth dist.	6679 Dec 13 21:52	29° \mathbb{X} 18'31	1.41526 AU
evening rise	6679 Jan 07 19:40	27° \mathbb{Z} 32'08		desc. node	6679 Dec 14 06:46	29° \mathbb{X} 55'55	
	6679 Jan 09 09:47	0° \mathbb{X}			6679 Dec 14 07:44	0° \mathbb{Z}	
	6679 Jan 29 22:22	0° \mathbb{X}		evening rise	6679 Dec 19 00:25	7° \mathbb{Z} 43'49	
evening max el	6679 Feb 08 00:25	11° \mathbb{X} 01'09	21°36'20		6680 Jan 02 13:20	0° \mathbb{X}	
retrograde	6679 Feb 17 00:38	16° \mathbb{X} 21'30		evening max el	6680 Jan 21 16:56	24° \mathbb{X} 40'20	22°54'39
asc. node	6679 Feb 17 20:45	16° \mathbb{X} 17'49			6680 Jan 28 18:17	0° \mathbb{X}	
evening set	6679 Feb 21 08:50	14° \mathbb{X} 37'39		retrograde	6680 Jan 31 20:15	0° \mathbb{X} 41'16	
inferior conj	6679 Feb 26 16:38	8° \mathbb{X} 20'33	2°34'54		6680 Feb 03 17:08	30° \mathbb{R} \mathbb{X}	
minimum elong	6679 Feb 26 14:19	8° \mathbb{X} 28'37	2°34'19	asc. node	6680 Feb 04 17:47	29° \mathbb{X} 24'04	
min. Earth dist.	6679 Feb 26 20:32	8° \mathbb{X} 06'58	0.68155 AU	evening set	6680 Feb 05 15:58	28° \mathbb{X} 42'05	
morning rise	6679 Mar 03 19:37	2° \mathbb{X} 08'31		min. Earth dist.	6680 Feb 10 17:09	22° \mathbb{X} 44'47	0.68256 AU
	6679 Mar 08 02:50	30° \mathbb{R} \mathbb{X}		inferior conj	6680 Feb 11 01:00	22° \mathbb{X} 17'40	1°57'55
direct	6679 Mar 08 20:48	29° \mathbb{X} 57'18		minimum elong	6680 Feb 10 22:48	22° \mathbb{X} 25'16	1°57'14
	6679 Mar 09 15:07	0° \mathbb{X}		morning rise	6680 Feb 16 05:33	16° \mathbb{X} 09'50	
morning max el	6679 Mar 18 22:01	5° \mathbb{X} 54'18	22°57'22	direct	6680 Feb 20 16:24	14° \mathbb{X} 21'12	
desc. node	6679 Mar 25 09:06	13° \mathbb{X} 18'42		morning max el	6680 Feb 29 11:57	19° \mathbb{X} 28'26	21°31'31
	6679 Apr 06 12:05	0° \mathbb{Y}			6680 Mar 09 06:31	0° \mathbb{X}	
morning set	6679 Apr 22 10:13	24° \mathbb{Y} 52'36		desc. node	6680 Mar 11 06:06	2° \mathbb{X} 41'31	
	6679 Apr 25 11:23	0° \mathbb{Z}			6680 Mar 29 16:33	0° \mathbb{Y}	
max. Earth dist.	6679 Apr 26 20:24	2° \mathbb{Z} 21'11	1.39857 AU	morning set	6680 Apr 01 07:15	4° \mathbb{Y} 06'51	
				max. Earth dist.	6680 Apr 07 21:04	14° \mathbb{Y} 45'13	1.41982 AU
superior conj	6679 May 04 13:55	16° \mathbb{Z} 05'13	-1°41'59	superior conj	6680 Apr 15 09:20	27° \mathbb{Y} 28'01	-2°02'37
minimum elong	6679 May 04 19:19	16° \mathbb{Z} 29'56	1°41'26	minimum elong	6680 Apr 15 13:43	27° \mathbb{Y} 47'00	2°02'24
	6679 May 11 23:51	0° \mathbb{I}			6680 Apr 16 20:12	0° \mathbb{Z}	
evening rise	6679 May 14 07:10	4° \mathbb{I} 24'11		evening rise	6680 Apr 26 10:51	17° \mathbb{Z} 16'31	
asc. node	6679 May 16 19:56	9° \mathbb{I} 12'53		asc. node	6680 May 02 16:58	28° \mathbb{Z} 32'28	
	6679 May 30 01:58	0° \mathbb{L}			6680 May 03 13:11	0° \mathbb{I}	
evening max el	6679 May 30 10:06	0° \mathbb{L} 20'22	18°30'34	evening max el	6680 May 12 19:50	13° \mathbb{I} 10'53	18°09'19
retrograde	6679 Jun 07 02:33	4° \mathbb{L} 09'16		retrograde	6680 May 19 15:49	16° \mathbb{I} 38'27	
evening set	6679 Jun 09 07:18	3° \mathbb{L} 51'30		evening set	6680 May 22 03:45	16° \mathbb{I} 11'11	
	6679 Jun 16 02:17	30° \mathbb{R} \mathbb{I}		inferior conj	6680 May 29 00:22	11° \mathbb{I} 20'44	2°25'14
inferior conj	6679 Jun 16 22:02	29° \mathbb{I} 21'26	1°16'13	minimum elong	6680 May 29 03:37	11° \mathbb{I} 13'18	2°24'21
minimum elong	6679 Jun 17 00:35	29° \mathbb{I} 16'26	1°15'19	min. Earth dist.	6680 Jun 01 08:12	8° \mathbb{I} 19'02	0.60144 AU
min. Earth dist.	6679 Jun 20 06:58	26° \mathbb{I} 43'23	0.57965 AU	morning rise	6680 Jun 05 00:49	5° \mathbb{I} 31'36	
desc. node	6679 Jun 21 08:25	25° \mathbb{I} 57'17		desc. node	6680 Jun 07 05:27	4° \mathbb{I} 23'21	
morning rise	6679 Jun 24 14:32	23° \mathbb{I} 59'14		direct	6680 Jun 11 13:07	3° \mathbb{I} 29'38	
direct	6679 Jun 30 12:01	22° \mathbb{I} 30'26		morning max el	6680 Jun 25 21:26	11° \mathbb{I} 24'48	27°42'15
	6679 Jul 14 17:28	0° \mathbb{L}			6680 Jul 10 10:31	0° \mathbb{L}	
morning max el	6679 Jul 14 21:21	0° \mathbb{L} 09'26	26°53'03		6680 Jul 27 03:38	0° \mathbb{L}	
	6679 Aug 04 23:26	0° \mathbb{L}		morning set	6680 Jul 27 23:35	1° \mathbb{L} 43'06	
asc. node	6679 Aug 12 19:12	15° \mathbb{L} 17'31		asc. node	6680 Jul 29 16:13	5° \mathbb{L} 16'41	
morning set	6679 Aug 13 17:20	17° \mathbb{L} 13'36					
	6679 Aug 19 14:24	0° \mathbb{M}					

max. Earth dist.	6680 Aug 03 05:28	15°Ω08'53	1.31844 AU		6681 Jul 18 16:53	0°Ω	
superior conj	6680 Aug 04 04:21	17°Ω15'04	0°54'15	superior conj	6681 Jul 19 13:37	1°Ω52'41	0°30'42
minimum elong	6680 Aug 04 02:17	17°Ω03'38	0°53'49	minimum elong	6681 Jul 19 12:14	1°Ω45'12	0°30'21
	6680 Aug 09 23:41	0°൬		evening rise	6681 Jul 26 10:30	16°Ω49'39	
evening rise	6680 Aug 10 22:55	2°൬04'43			6681 Aug 01 21:51	0°൬	
	6680 Aug 25 22:09	0°♐		evening max el	6681 Aug 20 00:24	26°൬24'26	24°07'23
desc. node	6680 Sep 03 04:38	11°♐18'13		desc. node	6681 Aug 21 01:40	27°൬23'16	
evening max el	6680 Sep 07 11:18	15°♐51'24	25°38'19		6681 Aug 24 08:32	0°♐	
retrograde	6680 Sep 21 09:51	22°♐55'47		retrograde	6681 Sep 02 18:35	3°♐18'59	
evening set	6680 Sep 27 12:02	21°♐28'56		evening set	6681 Sep 07 12:54	2°♐28'52	
min. Earth dist.	6680 Oct 01 23:25	18°♐52'00	0.58072 AU		6681 Sep 12 16:53	30°♐൬	
inferior conj	6680 Oct 05 02:01	16°♐40'49	-5°11'44	min. Earth dist.	6681 Sep 13 11:09	29°൬32'47	0.56278 AU
minimum elong	6680 Oct 05 06:42	16°♐32'33	5°11'09	inferior conj	6681 Sep 15 21:04	28°൬03'21	-5°25'52
morning rise	6680 Oct 13 03:42	12°♐21'40		minimum elong	6681 Sep 15 19:54	28°൬05'09	5°25'50
direct	6680 Oct 15 13:29	12°♐03'34		morning rise	6681 Sep 24 05:13	24°൬04'21	
morning max el	6680 Oct 24 02:26	16°♐08'45	18°47'24	direct	6681 Sep 26 22:29	23°൬45'04	
asc. node	6680 Oct 25 15:33	17°♐45'03		morning max el	6681 Oct 06 20:46	28°൬24'16	19°48'13
	6680 Nov 02 22:05	0°♑			6681 Oct 08 10:36	0°♐	
morning set	6680 Nov 09 11:34	12°♑23'25		asc. node	6681 Oct 12 12:34	5°♐08'58	
				morning set	6681 Oct 24 15:15	26°♐55'17	
superior conj	6680 Nov 18 01:00	29°♑00'20	1°20'26		6681 Oct 26 03:39	0°♑	
minimum elong	6680 Nov 18 04:17	29°♑15'52	1°20'08				
	6680 Nov 18 13:38	0°♒		superior conj	6681 Nov 01 10:56	12°♑44'30	1°35'14
max. Earth dist.	6680 Nov 25 03:57	12°♒03'00	1.39424 AU	minimum elong	6681 Nov 01 12:58	12°♑54'38	1°35'08
evening rise	6680 Nov 29 03:05	18°♒54'57		max. Earth dist.	6681 Nov 07 09:15	24°♑11'36	1.37309 AU
desc. node	6680 Nov 30 03:47	20°♒39'14			6681 Nov 10 13:06	0°♒	
	6680 Dec 05 21:05	0°♓		evening rise	6681 Nov 11 03:33	1°♒04'53	
	6680 Dec 26 20:46	0°♓		desc. node	6681 Nov 17 00:48	11°♒15'30	
evening max el	6681 Jan 03 06:37	8°♓23'03	24°14'33		6681 Nov 29 01:40	0°♓	
retrograde	6681 Jan 14 12:29	14°♓59'05		evening max el	6681 Dec 16 19:28	22°♓08'41	25°29'08
evening set	6681 Jan 19 20:46	12°♓45'26		retrograde	6681 Dec 29 00:11	29°♓09'31	
asc. node	6681 Jan 21 14:49	11°♓02'17		evening set	6682 Jan 03 21:35	26°♓43'19	
min. Earth dist.	6681 Jan 24 13:25	7°♓21'56	0.67970 AU	asc. node	6682 Jan 08 11:50	21°♓38'49	
inferior conj	6681 Jan 25 08:27	6°♓17'49	1°13'09	min. Earth dist.	6682 Jan 08 07:01	21°♓54'12	0.67322 AU
minimum elong	6681 Jan 25 06:50	6°♓23'15	1°12'35	inferior conj	6682 Jan 09 13:08	20°♓17'26	0°21'13
morning rise	6681 Jan 30 17:00	0°♓15'45		minimum elong	6682 Jan 09 12:36	20°♓19'09	0°21'03
	6681 Jan 31 01:53	30°♓♐		morning rise	6682 Jan 15 03:59	14°♓23'06	
direct	6681 Feb 03 14:23	28°♓49'26		direct	6682 Jan 18 13:22	13°♓16'53	
	6681 Feb 07 09:01	0°♓		morning max el	6682 Jan 25 13:56	17°♓10'27	19°14'23
morning max el	6681 Feb 11 09:01	3°♓14'16	20°15'54		6682 Feb 04 13:07	0°♓	
desc. node	6681 Feb 26 03:05	22°♓33'08		greatest brilliancy	6682 Feb 07 22:36	5°♓02'40	-0.7m
	6681 Mar 03 03:17	0°♔		desc. node	6682 Feb 13 00:04	12°♓45'16	
morning set	6681 Mar 11 06:56	12°♔26'13		morning set	6682 Feb 18 07:06	20°♓55'23	
max. Earth dist.	6681 Mar 21 04:47	28°♔01'35	1.43743 AU		6682 Feb 24 03:23	0°♔	
	6681 Mar 22 10:15	0°♕		max. Earth dist.	6682 Mar 03 19:05	11°♔59'05	1.44934 AU
superior conj	6681 Mar 27 04:29	7°♕45'29	-2°10'34	superior conj	6682 Mar 06 23:16	17°♔00'23	-2°00'13
minimum elong	6681 Mar 27 04:19	7°♕44'50	2°10'34	minimum elong	6682 Mar 06 16:27	16°♔33'17	1°59'49
evening rise	6681 Apr 08 21:23	29°♕20'15			6682 Mar 15 01:28	0°♕	
	6681 Apr 09 06:32	0°♖		evening rise	6682 Mar 21 10:20	10°♕26'48	
asc. node	6681 Apr 19 14:01	17°♖26'31			6682 Apr 02 10:44	0°♖	
evening max el	6681 Apr 26 08:39	26°♖23'02	18°07'29	asc. node	6682 Apr 06 11:03	5°♖46'14	
retrograde	6681 May 02 19:07	29°♖44'21		evening max el	6682 Apr 09 21:26	9°♖48'07	18°24'19
evening set	6681 May 05 14:02	29°♖05'24		retrograde	6682 Apr 16 08:08	13°♖17'05	
inferior conj	6681 May 11 20:25	23°♖55'34	3°06'29	evening set	6682 Apr 19 09:51	12°♖25'06	
minimum elong	6681 May 11 22:42	23°♖49'34	3°06'04	inferior conj	6682 Apr 25 05:56	6°♖57'03	3°25'23
min. Earth dist.	6681 May 14 17:53	20°♖54'49	0.62353 AU	minimum elong	6682 Apr 25 06:45	6°♖54'40	3°25'18
morning rise	6681 May 18 05:41	17°♖50'22		min. Earth dist.	6682 Apr 27 12:43	4°♖18'06	0.64340 AU
direct	6681 May 25 00:50	15°♖20'53		morning rise	6682 May 01 02:47	0°♖44'03	
desc. node	6681 May 25 02:27	15°♖20'54			6682 May 02 01:49	30°♖♕	
morning max el	6681 Jun 08 03:17	23°♖22'49	27°53'33	direct	6682 May 07 20:46	27°♕58'45	
	6681 Jun 14 00:55	0°♗		desc. node	6682 May 11 23:27	28°♕51'28	
	6681 Jul 03 17:09	0°♘			6682 May 14 05:57	0°♘	
morning set	6681 Jul 12 00:16	15°♘53'27		morning max el	6682 May 21 12:29	5°♘56'44	27°28'33
asc. node	6681 Jul 16 13:15	25°♘21'49			6682 Jun 08 20:32	0°♗	
max. Earth dist.	6681 Jul 17 12:19	27°♘25'32	1.32294 AU	morning set	6682 Jun 25 16:53	29°♗37'13	

	6682 Jun 25 21:31	0°♄			6683 May 13 07:30	0°♄	
max. Earth dist.	6682 Jun 30 11:47	9°♄18'10	1.33209 AU		6683 Jun 01 21:09	0°♄	
asc. node	6682 Jul 03 10:17	15°♄28'46		morning set	6683 Jun 08 22:05	12°♄44'31	
				max. Earth dist.	6683 Jun 13 01:00	20°♄42'34	1.34599 AU
superior conj	6682 Jul 03 18:48	16°♄14'05	0°03'40				
minimum elong	6682 Jul 03 18:37	16°♄13'07	0°03'35	superior conj	6683 Jun 17 17:36	0°♄12'09	-0°26'00
behind sun begin	6682 Jul 03 13:17	15°♄44'44		minimum elong	6683 Jun 17 19:03	0°♄19'35	0°25'45
behind sun end	6682 Jul 03 23:57	16°♄41'32			6683 Jun 17 15:15	0°♄	
	6682 Jul 10 04:50	0°♄		asc. node	6683 Jun 20 07:19	5°♄33'07	
evening rise	6682 Jul 10 21:56	1°♄30'41		evening rise	6683 Jun 25 07:15	16°♄01'10	
	6682 Jul 26 19:41	0°♄			6683 Jul 02 09:02	0°♄	
evening max el	6682 Aug 01 13:26	6°♄42'10	22°29'00	evening max el	6683 Jul 14 10:34	17°♄17'29	20°58'22
desc. node	6682 Aug 07 22:41	11°♄29'07		desc. node	6683 Jul 25 19:44	23°♄03'43	
retrograde	6682 Aug 14 14:35	13°♄11'51		retrograde	6683 Jul 26 03:08	23°♄03'57	
evening set	6682 Aug 17 20:40	12°♄48'35		evening set	6683 Jul 28 07:57	22°♄52'28	
min. Earth dist.	6682 Aug 25 20:28	9°♄18'43	0.55082 AU	inferior conj	6683 Aug 06 15:04	18°♄55'08	-3°24'48
inferior conj	6682 Aug 26 22:16	8°♄42'11	-4°51'22	minimum elong	6683 Aug 06 06:18	19°♄07'31	3°22'04
minimum elong	6682 Aug 26 14:34	8°♄53'06	4°49'57	min. Earth dist.	6683 Aug 07 06:08	18°♄33'50	0.54748 AU
morning rise	6682 Sep 04 10:18	4°♄53'14		morning rise	6683 Aug 15 04:56	14°♄57'41	
direct	6682 Sep 07 14:38	4°♄30'15		direct	6683 Aug 18 23:08	14°♄27'25	
morning max el	6682 Sep 19 02:32	9°♄52'45	21°10'39	morning max el	6683 Aug 31 21:20	20°♄37'26	22°49'56
asc. node	6682 Sep 29 09:36	23°♄22'58			6683 Sep 08 19:27	0°♄	
	6682 Oct 03 03:00	0°♄		asc. node	6683 Sep 16 06:38	12°♄14'18	
morning set	6682 Oct 08 23:39	11°♄40'02		morning set	6683 Sep 23 10:36	26°♄30'31	
					6683 Sep 25 02:04	0°♄	
superior conj	6682 Oct 16 07:37	26°♄59'49	1°41'51				
minimum elong	6682 Oct 16 08:12	27°♄02'52	1°41'52	superior conj	6683 Sep 30 11:35	11°♄35'07	1°41'24
	6682 Oct 17 18:39	0°♄		minimum elong	6683 Sep 30 10:54	11°♄31'25	1°41'24
max. Earth dist.	6682 Oct 20 19:21	6°♄06'07	1.35403 AU	max. Earth dist.	6683 Oct 03 13:28	18°♄05'06	1.33850 AU
evening rise	6682 Oct 24 22:26	14°♄05'01		evening rise	6683 Oct 08 07:29	27°♄43'19	
	6682 Nov 02 21:39	0°♄			6683 Oct 09 11:29	0°♄	
desc. node	6682 Nov 03 21:51	1°♄40'16		desc. node	6683 Oct 21 18:55	21°♄46'39	
	6682 Nov 23 20:54	0°♄			6683 Oct 27 03:30	0°♄	
evening max el	6682 Nov 29 08:37	5°♄52'52	26°30'57	evening max el	6683 Nov 11 21:27	19°♄24'58	27°12'51
retrograde	6682 Dec 12 06:34	13°♄07'06		retrograde	6683 Nov 25 07:05	26°♄43'41	
evening set	6682 Dec 18 16:39	10°♄31'59		evening set	6683 Dec 02 03:46	24°♄05'28	
min. Earth dist.	6682 Dec 22 19:34	6°♄17'54	0.66319 AU	min. Earth dist.	6683 Dec 06 00:45	20°♄26'01	0.64958 AU
inferior conj	6682 Dec 24 13:08	4°♄13'05	-0°37'02	inferior conj	6683 Dec 08 06:09	17°♄59'03	-1°40'28
minimum elong	6682 Dec 24 14:10	4°♄10'00	0°36'33	minimum elong	6683 Dec 08 09:08	17°♄50'50	1°39'11
asc. node	6682 Dec 26 08:52	2°♄05'12		asc. node	6683 Dec 13 05:54	13°♄16'22	
	6682 Dec 28 10:19	30°♄		morning rise	6683 Dec 14 15:45	12°♄28'17	
morning rise	6682 Dec 30 12:26	28°♄29'03		direct	6683 Dec 17 06:44	11°♄51'58	
direct	6683 Jan 02 11:37	27°♄39'39		morning max el	6683 Dec 23 17:31	15°♄16'46	18°00'10
	6683 Jan 07 17:30	0°♄			6684 Jan 03 07:06	0°♄	
morning max el	6683 Jan 09 01:35	1°♄13'30	18°28'52	morning set	6684 Jan 10 11:12	11°♄50'01	
	6683 Jan 28 20:39	0°♄		desc. node	6684 Jan 17 18:09	23°♄50'02	
morning set	6683 Jan 29 06:17	0°♄38'19			6684 Jan 21 13:39	0°♄	
desc. node	6683 Jan 30 21:06	3°♄12'33					
				superior conj	6684 Jan 24 13:14	4°♄46'07	-0°46'52
superior conj	6683 Feb 14 03:44	25°♄42'40	-1°30'08	minimum elong	6684 Jan 24 07:38	4°♄23'48	0°46'03
minimum elong	6683 Feb 13 18:14	25°♄05'26	1°29'07	max. Earth dist.	6684 Jan 28 09:43	10°♄52'01	1.45158 AU
max. Earth dist.	6683 Feb 14 13:51	26°♄22'18	1.45423 AU	evening rise	6684 Feb 09 18:13	0°♄05'12	
	6683 Feb 16 21:26	0°♄			6684 Feb 09 16:52	0°♄	
evening rise	6683 Mar 01 23:55	20°♄36'55		greatest brilliancy	6684 Feb 23 17:55	21°♄21'17	-0.6m
	6683 Mar 07 22:13	0°♄			6684 Feb 29 19:46	0°♄	
greatest brilliancy	6683 Mar 11 10:55	5°♄32'48	-0.8m	evening max el	6684 Mar 06 13:17	6°♄54'57	19°49'41
asc. node	6683 Mar 24 08:05	23°♄21'15		asc. node	6684 Mar 10 05:07	9°♄59'00	
evening max el	6683 Mar 24 07:36	23°♄20'02	18°58'52	retrograde	6684 Mar 14 00:58	11°♄14'37	
retrograde	6683 Mar 31 03:04	27°♄09'04		evening set	6684 Mar 17 17:50	9°♄54'29	
evening set	6683 Apr 03 11:57	26°♄03'15		inferior conj	6684 Mar 23 03:12	3°♄55'03	3°15'10
inferior conj	6683 Apr 09 01:14	20°♄18'33	3°27'01	minimum elong	6684 Mar 23 01:37	4°♄00'21	3°14'56
minimum elong	6683 Apr 09 00:40	20°♄20'18	3°26'58	min. Earth dist.	6684 Mar 24 03:39	2°♄33'18	0.67147 AU
min. Earth dist.	6683 Apr 10 16:25	18°♄14'55	0.65958 AU		6684 Mar 26 03:53	30°♄	
morning rise	6683 Apr 14 12:59	14°♄02'36		morning rise	6684 Mar 28 09:10	27°♄39'05	
direct	6683 Apr 20 23:28	11°♄14'36		direct	6684 Apr 03 08:08	24°♄59'30	
desc. node	6683 Apr 28 20:27	14°♄26'20			6684 Apr 13 01:40	0°♄	
morning max el	6683 May 03 22:41	18°♄56'14	26°33'19	desc. node	6684 Apr 14 17:29	1°♄33'46	

morning max el	6684 Apr 15 08:15	2° Υ 10'35	25°16'45	morning rise	6685 Mar 12 12:32	11° X 27'59	
	6684 May 06 10:06	0° B		direct	6685 Mar 17 21:53	9° X 04'52	
morning set	6684 May 21 11:30	25° B 03'40		morning max el	6685 Mar 28 17:07	15° X 31'43	23°48'53
	6684 May 24 04:25	0° II		desc. node	6685 Apr 01 14:30	19° X 47'32	
max. Earth dist.	6684 May 25 03:31	1° II 47'30	1.36427 AU		6685 Apr 09 14:04	0° Υ	
					6685 Apr 29 09:17	0° B	
superior conj	6684 May 31 07:11	13° II 39'23	-0°56'49	morning set	6685 May 03 03:29	6° B 19'04	
minimum elong	6684 May 31 10:30	13° II 55'48	0°56'17	max. Earth dist.	6685 May 06 23:17	12° B 58'14	1.38569 AU
asc. node	6684 Jun 06 04:22	25° II 31'01					
	6684 Jun 08 09:20	0° B		superior conj	6685 May 14 07:54	26° B 26'15	-1°26'36
evening rise	6684 Jun 08 12:13	0° B 14'35		minimum elong	6685 May 14 12:50	26° B 49'34	1°25'58
evening max el	6684 Jun 25 20:22	28° B 32'45	19°44'57		6685 May 16 04:52	0° II	
	6684 Jun 27 10:52	0° Ω		evening rise	6685 May 23 10:03	14° II 02'44	
retrograde	6684 Jul 05 20:04	3° Ω 27'12		asc. node	6685 May 24 01:23	15° II 17'34	
evening set	6684 Jul 07 17:05	3° Ω 17'34			6685 Jun 01 00:19	0° B	
desc. node	6684 Jul 11 16:45	2° Ω 00'04		evening max el	6685 Jun 08 18:09	10° B 30'44	18°51'51
	6684 Jul 15 08:57	30° R B		retrograde	6685 Jun 17 03:54	14° B 39'12	
inferior conj	6684 Jul 16 14:08	29° B 15'08	-1°28'47	evening set	6685 Jun 19 04:36	14° B 25'39	
minimum elong	6684 Jul 16 10:03	29° B 21'28	1°27'17	inferior conj	6685 Jun 27 06:55	10° B 07'29	0°22'53
min. Earth dist.	6684 Jul 18 18:25	27° B 54'15	0.55374 AU	minimum elong	6685 Jun 27 07:49	10° B 05'53	0°22'30
morning rise	6684 Jul 25 00:54	24° B 49'08		desc. node	6685 Jun 28 13:47	9° B 11'48	
direct	6684 Jul 29 13:27	24° B 03'53		min. Earth dist.	6685 Jun 30 10:25	7° B 52'49	0.56846 AU
	6684 Aug 11 09:34	0° Ω		morning rise	6685 Jul 05 07:36	5° B 04'44	
morning max el	6684 Aug 12 10:49	0° Ω 57'45	24°34'49	direct	6685 Jul 10 17:46	3° B 53'48	
	6684 Sep 01 08:27	0° M		morning max el	6685 Jul 25 01:20	11° B 20'27	26°09'27
asc. node	6684 Sep 02 03:41	1° M 33'44			6685 Aug 08 10:52	0° Ω	
morning set	6684 Sep 06 22:21	11° M 21'43		asc. node	6685 Aug 20 00:43	21° Ω 13'09	
				morning set	6685 Aug 22 09:17	26° Ω 08'24	
superior conj	6684 Sep 13 20:14	26° M 22'33	1°34'49		6685 Aug 24 04:30	0° M	
minimum elong	6684 Sep 13 18:35	26° M 13'35	1°34'41	superior conj	6685 Aug 29 07:23	11° M 15'00	1°22'50
max. Earth dist.	6684 Sep 15 15:38	0° B 18'22	1.32723 AU	minimum elong	6685 Aug 29 05:13	11° M 02'59	1°22'32
	6684 Sep 15 12:15	0° B		max. Earth dist.	6685 Aug 29 23:43	12° M 45'11	1.32033 AU
evening rise	6684 Sep 21 03:03	11° B 50'21		evening rise	6685 Sep 05 06:06	26° M 17'24	
	6684 Sep 30 16:51	0° M			6685 Sep 07 01:11	0° B	
desc. node	6684 Oct 07 15:56	11° M 26'50			6685 Sep 24 04:34	0° M	
	6684 Oct 21 19:28	0° X		desc. node	6685 Sep 24 12:58	0° M 30'23	
evening max el	6684 Oct 24 08:25	2° X 32'58	27°28'04	evening max el	6685 Oct 06 15:23	15° M 05'12	27°11'30
retrograde	6684 Nov 07 01:15	9° X 50'10		retrograde	6685 Oct 20 12:16	22° M 17'26	
evening set	6684 Nov 14 04:06	7° X 17'44		evening set	6685 Oct 27 14:02	20° M 02'06	
min. Earth dist.	6684 Nov 17 20:37	4° X 09'39	0.63266 AU	min. Earth dist.	6685 Oct 31 06:05	17° M 17'29	0.61314 AU
inferior conj	6684 Nov 20 13:29	1° X 28'56	-2°46'52	inferior conj	6685 Nov 03 08:04	14° M 35'23	-3°51'59
minimum elong	6684 Nov 20 18:33	1° X 16'22	2°44'56	minimum elong	6685 Nov 03 14:40	14° M 20'53	3°49'58
	6684 Nov 22 02:02	30° R M		morning rise	6685 Nov 10 17:24	9° M 40'23	
morning rise	6684 Nov 27 10:46	26° M 14'33		direct	6685 Nov 12 23:45	9° M 19'10	
asc. node	6684 Nov 29 02:58	25° M 49'58		asc. node	6685 Nov 16 00:01	9° M 58'12	
direct	6684 Nov 29 19:56	25° M 47'33		morning max el	6685 Nov 20 01:54	12° M 52'54	17°55'43
morning max el	6684 Dec 06 10:41	29° M 12'32	17°48'48		6685 Dec 01 14:45	0° X	
	6684 Dec 07 05:02	0° X		morning set	6685 Dec 05 19:01	7° X 34'46	
morning set	6684 Dec 22 17:36	24° X 15'17					
	6684 Dec 26 00:57	0° B		superior conj	6685 Dec 16 04:49	26° X 16'30	0°37'53
superior conj	6685 Jan 03 19:58	14° B 53'30	-0°01'27	minimum elong	6685 Dec 16 07:49	26° X 29'37	0°37'30
minimum elong	6685 Jan 03 19:49	14° B 52'54	0°01'23		6685 Dec 18 08:34	0° B	
behind sun begin	6685 Jan 03 10:25	14° B 13'57		desc. node	6685 Dec 21 12:10	5° B 19'59	
behind sun end	6685 Jan 04 05:14	15° B 31'46		max. Earth dist.	6685 Dec 23 16:42	8° B 58'00	1.42621 AU
desc. node	6685 Jan 03 15:09	14° B 33'35		evening rise	6685 Dec 29 23:33	19° B 05'53	
max. Earth dist.	6685 Jan 10 03:17	25° B 08'44	1.44183 AU		6686 Jan 06 00:54	0° \approx	
	6685 Jan 13 04:38	0° \approx			6686 Jan 27 14:21	0° X	
evening rise	6685 Jan 19 04:51	9° \approx 21'51		evening max el	6686 Jan 31 08:37	4° X 09'23	22°09'07
	6685 Feb 01 22:29	0° X		retrograde	6686 Feb 09 20:26	9° X 47'30	
evening max el	6685 Feb 17 13:31	20° X 31'00	20°54'21	asc. node	6686 Feb 11 23:12	9° X 24'14	
asc. node	6685 Feb 25 02:10	25° X 24'30		evening set	6686 Feb 14 09:16	7° X 57'22	
retrograde	6685 Feb 25 23:23	25° X 28'37		inferior conj	6686 Feb 19 17:24	1° X 36'44	2°20'14
evening set	6685 Mar 02 01:29	23° X 53'40		minimum elong	6686 Feb 19 15:05	1° X 44'49	2°19'34
inferior conj	6685 Mar 07 09:18	17° X 42'07	2°52'21	min. Earth dist.	6686 Feb 19 16:18	1° X 40'35	0.68246 AU
minimum elong	6685 Mar 07 07:07	17° X 49'38	2°51'53		6686 Feb 20 21:26	30° R \approx	
min. Earth dist.	6685 Mar 07 20:23	17° X 03'49	0.67905 AU	morning rise	6686 Feb 24 20:43	25° \approx 26'05	

direct	6686 Mar 01 15:48	23° \approx 24'06		direct	6687 Feb 13 12:39	7° \approx 50'25	
morning max el	6686 Mar 11 04:00	28° \approx 59'45	22°19'49	morning max el	6687 Feb 21 20:36	12° \approx 37'55	20°57'43
	6686 Mar 12 03:22	0° \mathbb{X}		desc. node	6687 Mar 06 08:29	28° \approx 25'09	
desc. node	6686 Mar 19 11:30	8° \mathbb{X} 49'16			6687 Mar 07 11:07	0° \mathbb{X}	
	6686 Apr 03 07:34	0° \mathbb{Y}		morning set	6687 Mar 24 02:45	25° \mathbb{X} 02'24	
morning set	6686 Apr 13 16:39	16° \mathbb{Y} 17'42			6687 Mar 27 06:17	0° \mathbb{Y}	
max. Earth dist.	6686 Apr 18 20:12	24° \mathbb{Y} 49'19	1.40792 AU	max. Earth dist.	6687 Apr 01 00:01	7° \mathbb{Y} 37'13	1.42797 AU
	6686 Apr 21 20:59	0° \mathbb{Z}					
				superior conj	6687 Apr 08 00:56	19° \mathbb{Y} 18'58	-2°07'54
superior conj	6686 Apr 26 15:26	8° \mathbb{Z} 23'09	-1°51'55	minimum elong	6687 Apr 08 03:51	19° \mathbb{Y} 31'19	2°07'50
minimum elong	6686 Apr 26 20:45	8° \mathbb{Z} 46'57	1°51'29		6687 Apr 14 05:24	0° \mathbb{Z}	
evening rise	6686 May 06 21:30	27° \mathbb{Z} 17'53		evening rise	6687 Apr 19 18:25	9° \mathbb{Z} 50'28	
	6686 May 08 08:08	0° \mathbb{H}		asc. node	6687 Apr 27 19:26	23° \mathbb{Z} 57'51	
asc. node	6686 May 10 22:24	4° \mathbb{H} 48'24			6687 May 01 14:57	0° \mathbb{H}	
evening max el	6686 May 23 00:39	23° \mathbb{H} 04'58	18°19'08	evening max el	6687 May 06 12:08	6° \mathbb{H} 05'57	18°06'13
retrograde	6686 May 30 06:46	26° \mathbb{H} 42'23		retrograde	6687 May 13 02:36	9° \mathbb{H} 28'50	
evening set	6686 Jun 01 14:42	26° \mathbb{H} 20'51		evening set	6687 May 15 17:41	8° \mathbb{H} 56'39	
inferior conj	6686 Jun 08 21:20	21° \mathbb{H} 42'19	1°49'10	inferior conj	6687 May 22 07:42	3° \mathbb{H} 57'34	2°45'51
minimum elong	6686 Jun 09 00:28	21° \mathbb{H} 35'44	1°48'10	minimum elong	6687 May 22 10:40	3° \mathbb{H} 50'21	2°45'09
min. Earth dist.	6686 Jun 12 07:28	18° \mathbb{H} 51'05	0.58875 AU	min. Earth dist.	6687 May 25 11:51	0° \mathbb{H} 53'41	0.61102 AU
desc. node	6686 Jun 15 10:48	16° \mathbb{H} 36'56			6687 May 26 11:47	30° \mathbb{R} \mathbb{Z}	
morning rise	6686 Jun 16 07:06	16° \mathbb{H} 07'31		morning rise	6687 May 29 01:29	28° \mathbb{Z} 00'41	
direct	6686 Jun 22 12:04	14° \mathbb{H} 24'08		desc. node	6687 Jun 02 07:49	26° \mathbb{Z} 03'27	
morning max el	6686 Jul 06 21:15	22° \mathbb{H} 11'04	27°18'23	direct	6687 Jun 04 17:48	25° \mathbb{Z} 46'06	
	6686 Jul 13 18:30	0° \mathbb{D}			6687 Jun 14 18:55	0° \mathbb{H}	
	6686 Aug 01 09:54	0° \mathbb{Q}		morning max el	6687 Jun 18 23:52	3° \mathbb{H} 44'17	27°51'48
morning set	6686 Aug 06 17:43	10° \mathbb{Q} 45'18			6687 Jul 08 09:54	0° \mathbb{D}	
asc. node	6686 Aug 06 21:43	11° \mathbb{Q} 06'19		morning set	6687 Jul 21 21:53	25° \mathbb{D} 07'25	
					6687 Jul 24 05:50	0° \mathbb{Q}	
superior conj	6686 Aug 13 19:11	26° \mathbb{Q} 05'58	1°05'58	asc. node	6687 Jul 24 18:43	1° \mathbb{Q} 08'28	
minimum elong	6686 Aug 13 16:56	25° \mathbb{Q} 53'31	1°05'34	max. Earth dist.	6687 Jul 27 20:00	7° \mathbb{Q} 44'27	1.31983 AU
max. Earth dist.	6686 Aug 13 10:25	25° \mathbb{Q} 17'26	1.31787 AU				
	6686 Aug 15 13:27	0° \mathbb{P}		superior conj	6687 Jul 29 05:53	10° \mathbb{Q} 50'14	0°44'43
evening rise	6686 Aug 20 14:06	10° \mathbb{P} 56'37		minimum elong	6687 Jul 29 04:03	10° \mathbb{Q} 40'09	0°44'19
	6686 Aug 30 06:50	0° \mathbb{L}		evening rise	6687 Aug 05 00:58	25° \mathbb{Q} 41'38	
desc. node	6686 Sep 11 10:00	18° \mathbb{L} 41'57			6687 Aug 07 01:56	0° \mathbb{P}	
evening max el	6686 Sep 18 15:44	26° \mathbb{L} 50'13	26°21'13		6687 Aug 24 12:49	0° \mathbb{L}	
	6686 Sep 22 09:45	0° \mathbb{M}		desc. node	6687 Aug 29 07:01	5° \mathbb{L} 41'03	
retrograde	6686 Oct 02 14:14	3° \mathbb{M} 56'45		evening max el	6687 Aug 31 08:11	7° \mathbb{L} 45'39	25°01'40
evening set	6686 Oct 09 04:45	2° \mathbb{M} 09'58		retrograde	6687 Sep 14 05:27	14° \mathbb{L} 46'16	
	6686 Oct 12 15:30	30° \mathbb{R} \mathbb{L}		evening set	6687 Sep 19 19:42	13° \mathbb{L} 35'21	
min. Earth dist.	6686 Oct 13 05:06	29° \mathbb{L} 35'20	0.59239 AU	min. Earth dist.	6687 Sep 24 19:34	10° \mathbb{L} 52'38	0.57260 AU
inferior conj	6686 Oct 16 10:17	27° \mathbb{L} 08'03	-4°48'13	inferior conj	6687 Sep 27 17:01	8° \mathbb{L} 57'35	-5°22'42
minimum elong	6686 Oct 16 16:36	26° \mathbb{L} 55'56	4°46'57	minimum elong	6687 Sep 27 19:38	8° \mathbb{L} 53'13	5°22'31
morning rise	6686 Oct 24 06:39	22° \mathbb{L} 35'11		morning rise	6687 Oct 05 21:50	4° \mathbb{L} 47'40	
direct	6686 Oct 26 14:02	22° \mathbb{L} 16'38		direct	6687 Oct 08 10:35	4° \mathbb{L} 29'11	
asc. node	6686 Nov 02 21:03	25° \mathbb{L} 33'40		morning max el	6687 Oct 17 12:27	8° \mathbb{L} 47'12	19°10'33
morning max el	6686 Nov 03 11:38	26° \mathbb{L} 07'37	18°22'25	asc. node	6687 Oct 20 18:04	12° \mathbb{L} 22'17	
	6686 Nov 06 20:31	0° \mathbb{M}			6687 Oct 31 09:44	0° \mathbb{M}	
morning set	6686 Nov 19 09:47	21° \mathbb{M} 31'19		morning set	6687 Nov 03 09:41	5° \mathbb{M} 53'03	
	6686 Nov 23 20:19	0° \mathbb{X}					
superior conj	6686 Nov 28 12:46	8° \mathbb{X} 45'38	1°07'43	superior conj	6687 Nov 11 14:42	22° \mathbb{M} 06'42	1°27'46
minimum elong	6686 Nov 28 16:25	9° \mathbb{X} 02'24	1°07'20	minimum elong	6687 Nov 11 17:31	22° \mathbb{M} 20'18	1°27'34
max. Earth dist.	6686 Dec 06 01:28	22° \mathbb{X} 08'41	1.40656 AU		6687 Nov 15 18:29	0° \mathbb{X}	
desc. node	6686 Dec 08 09:10	26° \mathbb{X} 05'15		max. Earth dist.	6687 Nov 18 07:07	4° \mathbb{X} 38'01	1.38518 AU
evening rise	6686 Dec 10 13:22	29° \mathbb{X} 42'30		evening rise	6687 Nov 22 01:39	11° \mathbb{X} 19'13	
	6686 Dec 10 17:37	0° \mathbb{Z}		desc. node	6687 Nov 25 06:11	16° \mathbb{X} 45'53	
	6686 Dec 30 12:46	0° \approx			6687 Dec 03 11:55	0° \mathbb{Z}	
evening max el	6687 Jan 13 23:51	17° \approx 50'27	23°28'52		6687 Dec 25 23:54	0° \approx	
retrograde	6687 Jan 24 14:36	24° \approx 06'37		evening max el	6687 Dec 27 13:02	1° \approx 34'40	24°47'15
evening set	6687 Jan 29 15:34	22° \approx 01'17		retrograde	6688 Jan 08 04:53	8° \approx 21'58	
asc. node	6687 Jan 29 20:15	21° \approx 51'12		evening set	6688 Jan 13 18:53	6° \approx 02'28	
min. Earth dist.	6687 Feb 03 13:02	16° \approx 18'20	0.68188 AU	asc. node	6688 Jan 16 17:18	2° \approx 58'01	
inferior conj	6687 Feb 04 01:36	15° \approx 35'14	1°39'52	min. Earth dist.	6688 Jan 18 08:20	0° \approx 53'47	0.67749 AU
minimum elong	6687 Feb 03 23:35	15° \approx 42'08	1°39'11	inferior conj	6688 Jan 19 08:06	29° \mathbb{Z} 35'09	0°51'58
morning rise	6687 Feb 09 07:33	9° \approx 29'38		minimum elong	6688 Jan 19 06:53	29° \mathbb{Z} 39'10	0°51'31
					6688 Jan 19 00:36	30° \mathbb{R} \mathbb{Z}	

morning rise	6688 Jan 24 19:05	23° Z 36'21		transit end	6689 Jan 02 13:56	13° Z 24'32	
direct	6688 Jan 28 11:14	22° Z 18'56		asc. node	6689 Jan 02 14:21	13° Z 23'14	
morning max el	6688 Feb 04 21:07	26° Z 28'30	19°47'50	morning rise	6689 Jan 08 05:17	7° Z 43'31	
	6688 Feb 08 01:28	0° \approx		direct	6689 Jan 11 10:01	6° Z 45'04	
greatest brilliancy	6688 Feb 17 19:36	13° \approx 21'57	-0.6m	morning max el	6689 Jan 18 05:18	10° Z 28'56	18°53'03
desc. node	6688 Feb 21 05:29	18° \approx 26'02			6689 Feb 01 11:15	0° \approx	
	6688 Feb 28 20:18	0° X		desc. node	6689 Feb 07 02:31	8° \approx 45'18	
morning set	6688 Mar 01 23:27	3° X 16'36		morning set	6689 Feb 09 07:35	12° \approx 12'30	
max. Earth dist.	6688 Mar 13 11:18	21° X 14'44	1.44333 AU		6689 Feb 20 16:46	0° X	
				max. Earth dist.	6689 Feb 24 03:48	5° X 25'17	1.45228 AU
superior conj	6688 Mar 18 09:11	29° X 07'27	-2°08'38	superior conj	6689 Feb 25 20:03	8° X 03'25	-1°49'40
minimum elong	6688 Mar 18 06:11	28° X 55'15	2°08'34	minimum elong	6689 Feb 25 11:14	7° X 28'44	1°48'58
	6688 Mar 18 22:10	0° Y			6689 Mar 11 14:28	0° Y	
evening rise	6688 Mar 31 20:14	21° Y 30'30		evening rise	6689 Mar 12 23:20	2° Y 12'59	
	6688 Apr 05 20:09	0° Z			6689 Mar 31 00:15	0° Z	
asc. node	6688 Apr 13 16:28	12° Z 38'09		asc. node	6689 Mar 31 13:32	0° Z 40'32	
evening max el	6688 Apr 19 01:14	19° Z 23'55	18°12'23	evening max el	6689 Apr 02 13:09	2° Z 52'29	18°36'53
retrograde	6688 Apr 25 10:44	22° Z 47'09		retrograde	6689 Apr 09 02:47	6° Z 28'57	
evening set	6688 Apr 28 08:30	22° Z 02'44		evening set	6689 Apr 12 07:22	5° Z 31'21	
inferior conj	6688 May 04 10:00	16° Z 44'39	3°16'56		6689 Apr 17 22:50	30° R Y	
minimum elong	6688 May 04 11:41	16° Z 40'01	3°16'41	inferior conj	6689 Apr 18 00:10	29° Y 55'58	3°27'55
min. Earth dist.	6688 May 07 01:23	13° Z 51'15	0.63232 AU	minimum elong	6689 Apr 18 00:22	29° Y 55'21	3°27'53
morning rise	6688 May 10 13:35	10° Z 35'11		min. Earth dist.	6689 Apr 20 00:19	27° Y 30'37	0.65074 AU
direct	6688 May 17 08:55	7° Z 57'43		morning rise	6689 Apr 23 16:42	23° Y 40'56	
desc. node	6688 May 19 04:50	8° Z 08'07		direct	6689 Apr 30 08:02	20° Y 52'51	
morning max el	6688 May 31 07:41	15° Z 59'15	27°47'12	desc. node	6689 May 06 01:52	22° Y 35'38	
	6688 Jun 11 19:47	0° II		morning max el	6689 May 13 17:51	28° Y 46'30	27°08'14
morning set	6688 Jun 30 02:46	0° E			6689 May 14 22:14	0° Z	
max. Earth dist.	6688 Jul 04 19:29	9° E 07'16			6689 Jun 05 15:38	0° II	
asc. node	6688 Jul 10 00:24	19° E 52'53	1.32627 AU	morning set	6689 Jun 18 07:43	22° II 36'56	
	6688 Jul 10 15:43	21° E 14'28			6689 Jun 22 01:22	0° E	
superior conj	6688 Jul 12 13:38	25° E 21'10	0°19'36	max. Earth dist.	6689 Jun 22 19:43	1° E 33'01	1.33742 AU
minimum elong	6688 Jul 12 12:43	25° E 16'10	0°19'22	superior conj	6689 Jun 26 16:24	9° E 33'14	-0°08'42
	6688 Jul 14 17:02	0° O		minimum elong	6689 Jun 26 16:52	9° E 35'39	0°08'39
evening rise	6688 Jul 19 12:43	10° O 25'21		behind sun begin	6689 Jun 26 12:07	9° E 10'41	
	6688 Jul 29 12:56	0° P		behind sun end	6689 Jun 26 21:37	10° E 00'39	
evening max el	6688 Aug 11 19:58	18° P 06'35	23°25'20	asc. node	6689 Jun 27 12:46	11° E 20'36	
desc. node	6688 Aug 15 04:04	20° P 59'07		evening rise	6689 Jul 03 23:30	25° E 02'14	
retrograde	6688 Aug 25 08:42	24° P 53'24			6689 Jul 06 08:53	0° O	
evening set	6688 Aug 29 11:28	24° P 16'18		evening max el	6689 Jul 24 11:27	28° O 27'24	21°48'43
min. Earth dist.	6688 Sep 05 05:29	21° P 07'29	0.55678 AU		6689 Jul 26 03:48	0° P	
inferior conj	6688 Sep 07 03:41	19° P 59'19	-5°17'54	desc. node	6689 Aug 02 01:06	4° P 03'27	
minimum elong	6688 Sep 06 23:27	20° P 05'34	5°17'30	retrograde	6689 Aug 06 00:53	4° P 41'08	
morning rise	6688 Sep 15 13:47	16° P 06'50		evening set	6689 Aug 08 17:48	4° P 24'41	
direct	6688 Sep 18 11:24	15° P 46'21		inferior conj	6689 Aug 17 23:42	0° P 23'32	-4°20'13
morning max el	6688 Sep 29 01:31	20° P 42'32	20°20'56	minimum elong	6689 Aug 17 14:39	0° P 36'13	4°18'01
asc. node	6688 Oct 06 15:05	0° A 08'26		min. Earth dist.	6689 Aug 17 14:56	0° P 35'49	0.54821 AU
	6688 Oct 06 12:54	0° A			6689 Aug 18 16:31	30° R O	
morning set	6688 Oct 17 15:39	20° A 30'40		morning rise	6689 Aug 26 12:50	26° O 33'17	
	6688 Oct 22 06:09	0° M		direct	6689 Aug 29 22:18	26° O 07'59	
superior conj	6688 Oct 25 05:41	6° M 05'15	1°38'58		6689 Sep 08 21:58	0° P	
minimum elong	6688 Oct 25 07:06	6° M 12'27	1°38'56	morning max el	6689 Sep 11 02:16	1° P 51'11	21°51'24
max. Earth dist.	6688 Oct 30 13:44	16° M 36'53	1.36457 AU	asc. node	6689 Sep 23 12:07	18° P 39'10	
evening rise	6688 Nov 03 10:23	23° M 51'00			6689 Sep 29 11:36	0° A	
	6688 Nov 06 20:45	0° J		morning set	6689 Oct 02 01:18	5° A 17'46	
desc. node	6688 Nov 11 03:14	7° J 17'32		superior conj	6689 Oct 09 05:48	20° A 29'46	1°42'28
	6688 Nov 26 04:02	0° Z		minimum elong	6689 Oct 09 05:48	20° A 29'50	1°42'29
evening max el	6688 Dec 09 01:47	15° Z 19'44	25°57'21	max. Earth dist.	6689 Oct 13 02:34	28° A 28'53	1.34687 AU
retrograde	6688 Dec 21 14:32	22° Z 28'06			6689 Oct 13 20:37	0° M	
evening set	6688 Dec 27 17:33	19° Z 57'13		evening rise	6689 Oct 17 11:44	7° M 08'12	
min. Earth dist.	6689 Jan 01 00:01	15° Z 23'13	0.66937 AU	desc. node	6689 Oct 29 00:17	27° M 34'51	
inferior conj	6689 Jan 02 11:04	13° Z 33'31	-0°02'46		6689 Oct 30 12:16	0° J	
minimum elong	6689 Jan 02 11:08	13° Z 33'18	0°02'41	evening max el	6689 Nov 21 14:46	28° J 59'25	26°51'45
transit middle	6689 Jan 02 11:08	13° Z 33'18	0°02'41		6689 Nov 22 16:40	0° Z	
transit begin	6689 Jan 02 08:20	13° Z 42'05					

retrograde	6689 Dec 04 18:44	6°♄17'28		retrograde	6690 Nov 17 16:40	19°♄42'19	
evening set	6689 Dec 11 09:33	3°♄40'08		evening set	6690 Nov 24 16:28	17°♄05'43	
	6689 Dec 15 03:02	30°♄♂		min. Earth dist.	6690 Nov 28 11:24	13°♄39'53	0.64271 AU
min. Earth dist.	6689 Dec 15 09:47	29°♄40'51	0.65771 AU	inferior conj	6690 Nov 30 21:40	11°♄06'04	-2°08'28
inferior conj	6689 Dec 17 08:23	27°♄25'34	-1°03'27	minimum elong	6690 Dec 01 01:32	10°♄55'49	2°06'52
minimum elong	6689 Dec 17 10:12	27°♄20'17	1°02'37	asc. node	6690 Dec 07 08:26	5°♄45'27	
asc. node	6689 Dec 20 11:24	24°♄02'05		morning rise	6690 Dec 07 12:05	5°♄41'32	
morning rise	6689 Dec 23 11:52	21°♄46'47		direct	6690 Dec 10 00:15	5°♄09'36	
direct	6689 Dec 26 07:10	21°♄03'34		morning max el	6690 Dec 16 11:52	8°♄33'38	17°53'07
morning max el	6690 Jan 01 19:06	24°♄32'48	18°14'35		6690 Dec 30 22:47	0°♄	
	6690 Jan 06 08:07	0°♄		morning set	6691 Jan 02 12:02	4°♄19'18	
morning set	6690 Jan 20 19:27	22°♄33'30		desc. node	6691 Jan 11 20:35	19°♄57'43	
desc. node	6690 Jan 24 23:32	29°♄17'11					
	6690 Jan 25 10:12	0°♄		superior conj	6691 Jan 15 17:23	26°♄15'23	-0°27'16
				minimum elong	6691 Jan 15 14:13	26°♄02'38	0°26'46
superior conj	6690 Feb 05 00:14	16°♄48'28	-1°12'47		6691 Jan 18 01:18	0°♄	
minimum elong	6690 Feb 04 15:48	16°♄15'16	1°11'43	max. Earth dist.	6691 Jan 20 18:08	4°♄17'52	1.44830 AU
max. Earth dist.	6690 Feb 06 22:52	19°♄51'26	1.45396 AU	evening rise	6691 Jan 31 16:57	21°♄21'07	
	6690 Feb 13 10:35	0°♄			6691 Feb 06 08:56	0°♄	
evening rise	6690 Feb 21 03:44	12°♄02'15		evening max el	6691 Feb 28 01:10	0°♄02'11	20°15'42
	6690 Mar 04 17:39	0°♄			6691 Feb 28 00:19	0°♄	
greatest brilliancy	6690 Mar 04 18:20	0°♄02'38	-0.7m	asc. node	6691 Mar 05 07:38	4°♄02'07	
evening max el	6690 Mar 16 21:38	16°♄26'12	19°18'37	retrograde	6691 Mar 07 21:30	4°♄36'46	
asc. node	6690 Mar 18 10:35	17°♄53'06		evening set	6691 Mar 11 18:11	3°♄10'22	
retrograde	6690 Mar 23 23:15	20°♄27'09			6691 Mar 14 21:30	30°♄♂	
evening set	6690 Mar 27 11:20	19°♄15'29		inferior conj	6691 Mar 17 02:39	27°♄05'41	3°06'40
inferior conj	6690 Apr 01 22:40	13°♄24'29	3°23'25	minimum elong	6691 Mar 17 00:46	27°♄12'06	3°06'21
minimum elong	6690 Apr 01 21:37	13°♄27'52	3°23'19	min. Earth dist.	6691 Mar 17 21:17	26°♄02'23	0.67531 AU
min. Earth dist.	6690 Apr 03 07:32	11°♄37'52	0.66522 AU	morning rise	6691 Mar 22 07:07	20°♄50'29	
morning rise	6690 Apr 07 07:33	7°♄08'11		direct	6691 Mar 28 00:35	18°♄17'00	
direct	6690 Apr 13 13:37	4°♄22'11		morning max el	6691 Apr 08 12:37	25°♄09'54	24°40'02
desc. node	6690 Apr 22 22:53	8°♄53'14		desc. node	6691 Apr 09 19:55	26°♄31'24	
morning max el	6690 Apr 26 03:45	11°♄52'59	26°02'37		6691 Apr 12 21:50	0°♄	
	6690 May 10 15:42	0°♄			6691 May 04 03:37	0°♄	
	6690 May 29 07:18	0°♄		morning set	6691 May 14 11:48	17°♄19'04	
morning set	6690 Jun 01 06:49	5°♄25'26		max. Earth dist.	6691 May 18 02:34	23°♄48'12	1.37317 AU
max. Earth dist.	6690 Jun 05 03:45	12°♄44'58	1.35326 AU		6691 May 21 10:41	0°♄	
superior conj	6690 Jun 10 11:41	23°♄19'16	-0°39'03	superior conj	6691 May 24 20:18	6°♄30'51	-1°09'45
minimum elong	6690 Jun 10 13:54	23°♄30'34	0°38'40	minimum elong	6691 May 25 00:23	6°♄50'38	1°09'09
	6690 Jun 13 17:50	0°♄		asc. node	6691 Jun 01 06:50	21°♄16'24	
asc. node	6690 Jun 14 09:49	1°♄22'43		evening rise	6691 Jun 02 09:31	23°♄29'43	
evening rise	6690 Jun 18 07:13	9°♄26'00			6691 Jun 05 16:44	0°♄	
	6690 Jun 29 07:49	0°♄		evening max el	6691 Jun 19 05:10	20°♄53'02	19°19'48
evening max el	6690 Jul 06 13:55	9°♄19'00	20°24'48	retrograde	6691 Jun 28 11:27	25°♄26'08	
retrograde	6690 Jul 17 13:21	14°♄42'54		evening set	6691 Jun 30 09:25	25°♄15'17	
evening set	6690 Jul 19 12:52	14°♄33'08		desc. node	6691 Jul 06 19:09	22°♄29'52	
desc. node	6690 Jul 19 22:07	14°♄29'02		inferior conj	6691 Jul 08 23:00	21°♄06'58	-0°39'10
inferior conj	6690 Jul 28 17:26	10°♄35'52	-2°37'07	minimum elong	6691 Jul 08 21:16	21°♄09'48	0°38'32
minimum elong	6690 Jul 28 10:15	10°♄46'19	2°34'37	min. Earth dist.	6691 Jul 11 15:11	19°♄22'03	0.55914 AU
min. Earth dist.	6690 Jul 30 01:49	9°♄48'47	0.54899 AU	morning rise	6691 Jul 17 06:20	16°♄25'57	
morning rise	6690 Aug 06 06:43	6°♄28'00		direct	6691 Jul 22 04:15	15°♄31'00	
direct	6690 Aug 10 08:22	5°♄52'19		morning max el	6691 Aug 05 06:53	22°♄39'33	25°17'23
morning max el	6690 Aug 23 17:54	12°♄22'29	23°34'42		6691 Aug 11 19:45	0°♄	
	6690 Sep 06 01:49	0°♄		asc. node	6691 Aug 28 06:10	27°♄12'35	
asc. node	6690 Sep 10 09:09	7°♄43'44			6691 Aug 29 15:09	0°♄	
morning set	6690 Sep 16 12:48	20°♄09'19		morning set	6691 Sep 01 00:24	4°♄59'19	
	6690 Sep 21 02:33	0°♄					
				superior conj	6691 Sep 07 21:58	20°♄01'38	1°30'22
superior conj	6690 Sep 23 12:03	5°♄11'24	1°39'19	minimum elong	6691 Sep 07 20:03	19°♄51'05	1°30'09
minimum elong	6690 Sep 23 10:54	5°♄05'15	1°39'15	max. Earth dist.	6691 Sep 09 05:35	22°♄54'49	1.32379 AU
max. Earth dist.	6690 Sep 26 00:17	10°♄33'50	1.33317 AU		6691 Sep 12 12:19	0°♄	
evening rise	6690 Oct 01 01:43	21°♄00'32		evening rise	6691 Sep 15 00:48	5°♄17'14	
	6690 Oct 05 17:14	0°♄			6691 Sep 28 08:07	0°♄	
desc. node	6690 Oct 15 21:19	17°♄31'23		desc. node	6691 Oct 02 18:19	6°♄57'31	
	6690 Oct 24 10:17	0°♄		evening max el	6691 Oct 17 13:01	25°♄18'40	27°25'09
evening max el	6690 Nov 04 03:17	12°♄23'53	27°23'05		6691 Oct 23 11:49	0°♄	

retrograde	6691 Oct 31 07:33	2° ♄ 33'01		evening max el	6692 Sep 28 17:16	7° ♄ 31'01	26°53'58
evening set	6691 Nov 07 11:07	0° ♄ 06'35		retrograde	6692 Oct 12 14:44	14° ♄ 40'47	
	6691 Nov 07 14:59	30° ♄		evening set	6692 Oct 19 13:26	12° ♄ 35'58	
min. Earth dist.	6691 Nov 11 02:52	27° ♄ 09'45	0.62467 AU	min. Earth dist.	6692 Oct 23 07:27	9° ♄ 57'56	0.60442 AU
inferior conj	6691 Nov 13 23:58	24° ♄ 27'02	-3°14'58	inferior conj	6692 Oct 26 11:57	7° ♄ 19'50	-4°17'32
minimum elong	6691 Nov 14 05:48	24° ♄ 13'15	3°12'55	minimum elong	6692 Oct 26 18:45	7° ♄ 05'44	4°15'44
morning rise	6691 Nov 21 02:22	19° ♄ 20'18		morning rise	6692 Nov 03 02:15	2° ♄ 34'18	
direct	6691 Nov 23 10:04	18° ♄ 56'02		direct	6692 Nov 05 08:38	2° ♄ 14'32	
asc. node	6691 Nov 24 05:28	18° ♄ 59'03		asc. node	6692 Nov 10 02:31	3° ♄ 45'43	
morning max el	6691 Nov 30 04:32	22° ♄ 23'26	17°49'25	morning max el	6692 Nov 12 17:51	5° ♄ 54'03	18°04'36
	6691 Dec 06 02:04	0° ♄		morning set	6692 Nov 28 10:54	0° ♄ 46'29	
morning set	6691 Dec 16 03:16	17° ♄ 09'56			6692 Nov 28 00:55	0° ♄	
	6691 Dec 23 10:11	0° ♄					
superior conj	6691 Dec 27 11:09	6° ♄ 54'39	0°16'18	superior conj	6692 Dec 08 06:24	18° ♄ 47'28	0°51'46
minimum elong	6691 Dec 27 12:42	7° ♄ 01'11	0°16'07	minimum elong	6692 Dec 08 09:56	19° ♄ 03'13	0°51'20
desc. node	6691 Dec 29 17:35	10° ♄ 42'47			6692 Dec 14 17:25	0° ♄	
max. Earth dist.	6692 Jan 03 10:37	18° ♄ 26'24	1.43586 AU	desc. node	6692 Dec 15 14:33	1° ♄ 28'57	
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evening rise	6692 Jan 11 05:12	0° ♄ 45'07		evening rise	6692 Dec 21 07:00	10° ♄ 48'39	
	6692 Jan 30 23:47	0° ♄			6693 Jan 02 18:42	0° ♄	
evening max el	6692 Feb 10 23:08	13° ♄ 39'14	21°25'11	evening max el	6693 Jan 23 16:11	27° ♄ 17'45	22°42'47
retrograde	6692 Feb 19 19:30	18° ♄ 53'42			6693 Jan 26 14:52	0° ♄	
asc. node	6692 Feb 20 04:39	18° ♄ 52'56		retrograde	6693 Feb 02 15:34	3° ♄ 13'11	
evening set	6692 Feb 24 02:06	17° ♄ 12'04		asc. node	6693 Feb 06 01:42	2° ♄ 13'12	
inferior conj	6692 Feb 29 09:50	10° ♄ 56'15	2°39'48	evening set	6693 Feb 07 09:26	1° ♄ 16'20	
minimum elong	6692 Feb 29 07:32	11° ♄ 04'13	2°39'14		6693 Feb 08 17:40	30° ♄	
min. Earth dist.	6692 Feb 29 15:32	10° ♄ 36'26	0.68101 AU	inferior conj	6693 Feb 12 18:11	24° ♄ 52'39	2°04'06
morning rise	6692 Mar 05 12:48	4° ♄ 43'41		minimum elong	6693 Feb 12 15:56	25° ♄ 00'27	2°03'23
direct	6692 Mar 10 16:05	2° ♄ 29'21		min. Earth dist.	6693 Feb 12 12:03	25° ♄ 13'55	0.68261 AU
morning max el	6692 Mar 20 22:01	8° ♄ 34'12	23°10'44	morning rise	6693 Feb 17 22:19	18° ♄ 44'00	
desc. node	6692 Mar 26 16:56	15° ♄ 07'40		direct	6693 Feb 22 11:14	16° ♄ 51'57	
	6692 Apr 06 16:37	0° ♄		morning max el	6693 Mar 03 11:04	22° ♄ 06'36	21°43'46
morning set	6692 Apr 24 17:01	28° ♄ 03'42			6693 Mar 10 05:51	0° ♄	
	6692 Apr 25 20:42	0° ♄		desc. node	6693 Mar 13 13:55	4° ♄ 25'11	
max. Earth dist.	6692 Apr 28 22:34	5° ♄ 15'56	1.39523 AU		6693 Mar 30 23:59	0° ♄	
				morning set	6693 Apr 04 18:07	7° ♄ 29'02	
superior conj	6692 May 06 14:22	18° ♄ 58'32	-1°38'08	max. Earth dist.	6693 Apr 10 22:02	17° ♄ 30'44	1.41680 AU
minimum elong	6692 May 06 19:42	19° ♄ 23'09	1°37'32		6693 Apr 18 06:06	0° ♄	
	6692 May 12 10:48	0° ♄		superior conj	6693 Apr 18 13:02	0° ♄ 30'16	-2°00'11
evening rise	6692 May 16 03:28	7° ♄ 05'59		minimum elong	6693 Apr 18 17:46	0° ♄ 50'59	1°59'54
asc. node	6692 May 18 03:52	10° ♄ 57'33		evening rise	6693 Apr 29 09:18	20° ♄ 04'26	
	6692 May 29 12:46	0° ♄			6693 May 04 20:18	0° ♄	
evening max el	6692 Jun 01 07:05	3° ♄ 07'53	18°35'23	asc. node	6693 May 05 00:53	0° ♄ 20'17	
retrograde	6692 Jun 09 03:44	7° ♄ 01'32		evening max el	6693 May 15 16:06	15° ♄ 54'32	18°11'15
evening set	6692 Jun 11 07:19	6° ♄ 45'01		retrograde	6693 May 22 14:23	19° ♄ 24'10	
inferior conj	6692 Jun 19 01:01	2° ♄ 18'00	1°03'07	evening set	6693 May 25 01:16	18° ♄ 58'31	
minimum elong	6692 Jun 19 03:14	2° ♄ 13'45	1°02'17	inferior conj	6693 Jun 01 00:24	14° ♄ 11'15	2°16'38
	6692 Jun 22 01:03	30° ♄		minimum elong	6693 Jun 01 03:40	14° ♄ 03'53	2°15'41
min. Earth dist.	6692 Jun 22 09:00	29° ♄ 45'23	0.57660 AU	min. Earth dist.	6693 Jun 04 09:12	11° ♄ 11'20	0.59813 AU
desc. node	6692 Jun 22 16:10	29° ♄ 32'24		morning rise	6693 Jun 08 03:14	8° ♄ 25'22	
morning rise	6692 Jun 26 19:45	27° ♄ 00'29		desc. node	6693 Jun 09 13:12	7° ♄ 39'40	
direct	6692 Jul 02 14:20	25° ♄ 36'33		direct	6693 Jun 14 13:54	6° ♄ 28'01	
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morning max el	6692 Jul 16 23:35	3° ♄ 12'44	26°42'44		6693 Jul 11 12:23	0° ♄	
	6692 Aug 05 07:27	0° ♄			6693 Jul 28 15:51	0° ♄	
asc. node	6692 Aug 14 03:11	16° ♄ 58'54		morning set	6693 Jul 30 17:23	4° ♄ 14'35	
morning set	6692 Aug 15 10:30	19° ♄ 43'00		asc. node	6693 Aug 01 00:11	6° ♄ 56'32	
	6692 Aug 20 04:24	0° ♄		max. Earth dist.	6693 Aug 06 01:58	17° ♄ 57'05	1.31814 AU
superior conj	6692 Aug 22 09:37	4° ♄ 54'19	1°16'14				
minimum elong	6692 Aug 22 07:22	4° ♄ 41'48	1°15'54	superior conj	6693 Aug 06 21:11	19° ♄ 43'17	0°57'28
max. Earth dist.	6692 Aug 22 15:21	5° ♄ 26'04	1.31879 AU	minimum elong	6693 Aug 06 19:04	19° ♄ 31'30	0°57'03
evening rise	6692 Aug 29 06:15	19° ♄ 50'23			6693 Aug 11 13:09	0° ♄	
	6692 Sep 03 06:10	0° ♄		evening rise	6693 Aug 13 15:42	4° ♄ 23'41	
desc. node	6692 Sep 18 15:20	25° ♄ 41'08			6693 Aug 27 01:39	0° ♄	
	6692 Sep 21 21:52	0° ♄		desc. node	6693 Sep 05 12:22	13° ♄ 25'07	
				evening max el	6693 Sep 10 14:02	18° ♄ 53'57	25°50'19



































































































































retrograde	6693 Sep 24 12:51	25°♂59'12		retrograde	6694 Sep 05 23:16	6°♂28'46	
evening set	6693 Sep 30 18:35	24°♂27'01		evening set	6694 Sep 10 23:00	5°♂33'34	
min. Earth dist.	6693 Oct 05 02:32	21°♂51'14	0.58364 AU	min. Earth dist.	6694 Sep 16 14:57	2°♂41'25	0.56515 AU
inferior conj	6693 Oct 08 06:11	19°♂35'17	-5°06'31	inferior conj	6694 Sep 19 04:16	1°♂05'05	-5°26'36
minimum elong	6693 Oct 08 11:25	19°♂25'49	5°05'44	minimum elong	6694 Sep 19 04:11	1°♂05'13	5°26'35
morning rise	6693 Oct 16 06:36	15°♂12'36			6694 Sep 20 22:13	30°♂	
direct	6693 Oct 18 15:32	14°♂54'32		morning rise	6694 Sep 27 11:37	27°♂03'22	
morning max el	6693 Oct 27 00:20	18°♂55'53	18°40'14	direct	6694 Sep 30 03:37	26°♂44'21	
asc. node	6693 Oct 27 23:33	19°♂54'34			6694 Oct 08 08:41	0°♂	
	6693 Nov 04 04:36	0°♂		morning max el	6694 Oct 09 20:26	1°♂17'53	19°37'45
morning set	6693 Nov 12 06:01	14°♂55'13		asc. node	6694 Oct 14 20:35	7°♂09'44	
	6693 Nov 20 01:15	0°♂		morning set	6694 Oct 27 08:52	29°♂24'59	
					6694 Oct 27 15:49	0°♂	
superior conj	6693 Nov 20 22:43	1°♂41'12	1°17'22	superior conj	6694 Nov 04 06:45	15°♂19'54	1°33'32
minimum elong	6693 Nov 21 02:08	1°♂57'14	1°17'03	minimum elong	6694 Nov 04 09:00	15°♂31'01	1°33'24
max. Earth dist.	6693 Nov 28 04:41	14°♂51'31	1.39745 AU	max. Earth dist.	6694 Nov 10 09:59	27°♂05'17	1.37619 AU
evening rise	6693 Dec 02 06:25	21°♂51'28			6694 Nov 12 00:00	0°♂	
desc. node	6693 Dec 02 11:34	22°♂13'05		evening rise	6694 Nov 14 03:54	3°♂53'25	
	6693 Dec 07 05:14	0°♂		desc. node	6694 Nov 19 08:35	12°♂50'44	
	6693 Dec 27 19:15	0°♂			6694 Nov 30 06:26	0°♂	
evening max el	6694 Jan 06 06:14	11°♂00'21	24°02'49	evening max el	6694 Dec 19 19:16	24°♂46'14	25°18'35
retrograde	6694 Jan 17 08:22	17°♂31'37			6694 Dec 26 08:10	0°♂	
evening set	6694 Jan 22 14:41	15°♂20'08		retrograde	6694 Dec 31 20:45	1°♂43'37	
asc. node	6694 Jan 23 22:45	14°♂03'48			6695 Jan 05 19:19	30°♂	
min. Earth dist.	6694 Jan 27 08:34	9°♂51'28	0.68040 AU	evening set	6695 Jan 06 16:13	29°♂19'11	
inferior conj	6694 Jan 28 01:54	8°♂52'46	1°20'28	asc. node	6695 Jan 10 19:49	24°♂46'59	
minimum elong	6694 Jan 28 00:10	8°♂58'38	1°19'50	min. Earth dist.	6695 Jan 11 02:43	24°♂24'56	0.67449 AU
morning rise	6694 Feb 02 09:42	2°♂49'36		inferior conj	6695 Jan 12 07:10	22°♂52'48	0°29'33
direct	6694 Feb 06 09:03	1°♂19'56		minimum elong	6695 Jan 12 06:26	22°♂55'10	0°29'18
morning max el	6694 Feb 14 06:55	5°♂50'24	20°26'15	morning rise	6695 Jan 17 20:56	16°♂57'12	
desc. node	6694 Feb 28 10:55	24°♂13'01		direct	6695 Jan 21 08:04	15°♂48'06	
	6694 Mar 04 09:10	0°♂		morning max el	6695 Jan 28 10:43	19°♂45'15	19°22'31
morning set	6694 Mar 14 19:49	15°♂52'39			6695 Feb 05 15:47	0°♂	
	6694 Mar 23 18:49	0°♂		greatest brilliancy	6695 Feb 10 13:30	7°♂09'44	-0.7m
max. Earth dist.	6694 Mar 24 04:31	0°♂38'58	1.43516 AU	desc. node	6695 Feb 15 07:56	14°♂22'31	
				morning set	6695 Feb 21 18:19	24°♂15'45	
superior conj	6694 Mar 30 11:56	10°♂57'30	-2°10'25		6695 Feb 25 11:13	0°♂	
minimum elong	6694 Mar 30 12:41	11°♂00'38	2°10'26	max. Earth dist.	6695 Mar 06 18:12	14°♂32'12	1.44803 AU
	6694 Apr 10 15:38	0°♂					
evening rise	6694 Apr 11 22:38	2°♂15'31		superior conj	6695 Mar 10 10:02	20°♂20'35	-2°03'05
asc. node	6694 Apr 21 21:55	19°♂18'28		minimum elong	6695 Mar 10 04:07	19°♂57'02	2°02'48
evening max el	6694 Apr 29 04:42	29°♂03'58	18°06'36		6695 Mar 16 10:01	0°♂	
	6694 Apr 30 04:58	0°♂		evening rise	6695 Mar 24 15:00	13°♂30'52	
retrograde	6694 May 05 15:52	2°♂25'08			6695 Apr 03 14:48	0°♂	
evening set	6694 May 08 09:49	1°♂47'58		asc. node	6695 Apr 08 18:59	7°♂44'02	
	6694 May 11 05:38	30°♂		evening max el	6695 Apr 12 17:40	12°♂27'38	18°20'42
inferior conj	6694 May 14 18:03	26°♂40'56	3°01'46	retrograde	6695 Apr 19 03:44	15°♂54'37	
minimum elong	6694 May 14 20:32	26°♂34'32	3°01'17	evening set	6695 Apr 22 04:28	15°♂04'34	
min. Earth dist.	6694 May 17 17:27	23°♂38'41	0.62036 AU	inferior conj	6695 Apr 28 01:50	9°♂39'01	3°23'42
morning rise	6694 May 21 05:28	20°♂37'43		minimum elong	6695 Apr 28 02:52	9°♂36'01	3°23'35
desc. node	6694 May 27 10:15	18°♂12'42		min. Earth dist.	6695 Apr 30 10:52	6°♂55'56	0.64062 AU
direct	6694 May 28 00:12	18°♂11'40		morning rise	6695 May 04 00:20	3°♂26'51	
morning max el	6694 Jun 11 03:36	26°♂12'51	27°54'15	direct	6695 May 10 18:53	0°♂43'17	
	6694 Jun 14 16:08	0°♂		desc. node	6695 May 14 07:17	1°♂21'48	
	6694 Jul 05 01:59	0°♂		morning max el	6695 May 24 12:32	8°♂42'18	27°34'28
morning set	6694 Jul 14 19:03	18°♂28'12			6695 Jun 10 00:58	0°♂	
asc. node	6694 Jul 18 21:12	27°♂00'57			6695 Jun 27 09:13	0°♂	
	6694 Jul 20 06:32	0°♂		morning set	6695 Jun 28 13:06	2°♂16'45	
max. Earth dist.	6694 Jul 20 09:36	0°♂16'35	1.32198 AU	max. Earth dist.	6695 Jul 03 10:36	12°♂14'29	1.33043 AU
				asc. node	6695 Jul 05 18:14	17°♂08'00	
superior conj	6694 Jul 22 06:55	4°♂22'58	0°34'31				
minimum elong	6694 Jul 22 05:24	4°♂14'43	0°34'10	superior conj	6695 Jul 06 12:52	18°♂47'28	0°07'59
evening rise	6694 Jul 29 03:11	19°♂18'00		minimum elong	6695 Jul 06 12:28	18°♂45'21	0°07'51
	6694 Aug 03 07:54	0°♂		behind sun begin	6695 Jul 06 07:44	18°♂20'00	
evening max el	6694 Aug 23 03:56	29°♂32'28	24°21'53	behind sun end	6695 Jul 06 17:13	19°♂10'44	
desc. node	6694 Aug 23 09:25	29°♂45'33			6695 Jul 11 17:47	0°♂	
	6694 Aug 23 15:34	0°♂					

evening rise	6695 Jul 13 14:49	4°♌00'26		evening max el	6696 Jul 16 11:47	20°♌20'36	21°10'56
	6695 Jul 27 16:49	0°♍		desc. node	6696 Jul 27 03:32	26°♌10'50	
evening max el	6695 Aug 04 16:25	9°♍50'15	22°43'26	retrograde	6696 Jul 28 10:13	26°♌14'47	
desc. node	6695 Aug 10 06:28	14°♍11'56		evening set	6696 Jul 30 17:33	26°♌02'23	
retrograde	6695 Aug 17 20:55	16°♍24'51		inferior conj	6696 Aug 09 00:52	22°♌04'22	-3°40'36
evening set	6695 Aug 21 08:16	15°♍58'27		minimum elong	6696 Aug 08 15:48	22°♌17'06	3°37'56
min. Earth dist.	6695 Aug 29 00:12	12°♍34'33	0.55215 AU	min. Earth dist.	6696 Aug 09 09:41	21°♌51'59	0.54736 AU
inferior conj	6695 Aug 30 07:43	11°♍49'35	-5°00'08	morning rise	6696 Aug 17 14:40	18°♌09'34	
minimum elong	6695 Aug 30 00:47	11°♍59'30	4°59'02	direct	6696 Aug 21 06:24	17°♌40'51	
morning rise	6695 Sep 07 19:19	8°♍00'21		morning max el	6696 Sep 03 00:15	23°♌43'50	22°34'26
direct	6695 Sep 10 21:56	7°♍38'03			6696 Sep 08 15:07	0°♍	
morning max el	6695 Sep 22 04:03	12°♍53'19	20°57'07	asc. node	6696 Sep 17 14:37	14°♍03'02	
asc. node	6695 Oct 01 17:36	25°♍16'49		morning set	6696 Sep 25 03:20	28°♍57'53	
	6695 Oct 04 11:25	0°♎			6696 Sep 25 15:07	0°♎	
morning set	6695 Oct 11 16:41	14°♎08'04					
				superior conj	6696 Oct 02 05:06	14°♎03'53	1°41'53
superior conj	6695 Oct 19 02:03	29°♎31'04	1°41'19	minimum elong	6696 Oct 02 04:35	14°♎01'08	1°41'53
minimum elong	6695 Oct 19 02:52	29°♎35'13	1°41'19	max. Earth dist.	6696 Oct 05 11:49	20°♎57'13	1.34054 AU
	6695 Oct 19 07:41	0°♏			6696 Oct 09 23:27	0°♏	
max. Earth dist.	6695 Oct 23 19:10	9°♏00'33	1.35669 AU	evening rise	6696 Oct 10 03:24	0°♏19'19	
evening rise	6695 Oct 27 20:16	16°♏46'16		desc. node	6696 Oct 23 02:40	23°♏26'50	
	6695 Nov 04 06:27	0°♐			6696 Oct 27 07:33	0°♐	
desc. node	6695 Nov 06 05:38	3°♐17'18		evening max el	6696 Nov 13 21:07	22°♐04'59	27°08'09
	6695 Nov 24 16:10	0°♑		retrograde	6696 Nov 27 05:27	29°♐23'59	
evening max el	6695 Dec 02 08:19	8°♑30'46	26°22'46	evening set	6696 Dec 04 00:45	26°♐45'39	
retrograde	6695 Dec 15 03:55	15°♑43'34		min. Earth dist.	6696 Dec 07 22:30	23°♐01'13	0.65179 AU
evening set	6695 Dec 21 12:17	13°♑09'19		inferior conj	6696 Dec 10 02:11	20°♐36'55	-1°30'37
min. Earth dist.	6695 Dec 25 16:06	8°♑50'11	0.66494 AU	minimum elong	6696 Dec 10 04:51	20°♐29'28	1°29'27
inferior conj	6695 Dec 27 07:59	6°♑49'07	-0°27'51	asc. node	6696 Dec 14 13:55	16°♐12'13	
minimum elong	6695 Dec 27 08:45	6°♑46'48	0°27'27	morning rise	6696 Dec 16 10:10	15°♐04'07	
asc. node	6695 Dec 28 16:53	5°♑10'52		direct	6696 Dec 19 02:11	14°♐26'11	
morning rise	6696 Jan 02 05:54	1°♑03'31		morning max el	6696 Dec 25 13:02	17°♐51'48	18°03'22
direct	6696 Jan 05 06:29	0°♑11'52			6697 Jan 03 12:45	0°♑	
morning max el	6696 Jan 11 21:33	3°♑47'49	18°34'36	morning set	6697 Jan 12 13:51	14°♑44'59	
	6696 Jan 30 04:12	0°♒		desc. node	6697 Jan 19 01:57	25°♑24'04	
morning set	6696 Feb 01 13:16	3°♒45'46			6697 Jan 21 22:15	0°♒	
desc. node	6696 Feb 02 04:56	4°♒47'45					
				superior conj	6697 Jan 26 23:06	8°♒02'17	-0°53'49
superior conj	6696 Feb 17 15:32	29°♒04'39	-1°35'46	minimum elong	6697 Jan 26 16:39	7°♒36'43	0°52'56
minimum elong	6696 Feb 17 05:58	28°♒27'09	1°34'48	max. Earth dist.	6697 Jan 30 08:26	13°♒23'08	1.45241 AU
max. Earth dist.	6696 Feb 17 12:44	28°♒53'40	1.45398 AU		6697 Feb 10 00:19	0°♓	
	6696 Feb 18 05:40	0°♓		evening rise	6697 Feb 12 04:41	3°♓22'31	
evening rise	6696 Mar 04 08:02	23°♓49'12		greatest brilliancy	6697 Feb 25 15:20	23°♓54'40	-0.7m
	6696 Mar 08 05:10	0°♔			6697 Mar 01 19:51	0°♔	
greatest brilliancy	6696 Mar 12 23:12	7°♔32'14	-0.8m	evening max el	6697 Mar 09 10:45	9°♔33'28	19°41'06
asc. node	6696 Mar 25 16:02	25°♔26'39		asc. node	6697 Mar 12 13:05	12°♔14'22	
evening max el	6696 Mar 26 04:20	25°♔58'37	18°52'38	retrograde	6697 Mar 16 19:41	13°♔48'10	
retrograde	6696 Apr 01 22:02	29°♔44'07		evening set	6697 Mar 20 11:14	12°♔30'18	
evening set	6696 Apr 05 05:47	28°♔40'25		inferior conj	6697 Mar 25 21:01	6°♔32'56	3°17'41
inferior conj	6696 Apr 10 19:52	22°♔57'57	3°27'41	minimum elong	6697 Mar 25 19:34	6°♔37'46	3°17'30
minimum elong	6696 Apr 10 19:30	22°♔59'06	3°27'39	min. Earth dist.	6697 Mar 26 23:38	5°♔04'35	0.67000 AU
min. Earth dist.	6696 Apr 12 13:19	20°♔48'31	0.65740 AU	morning rise	6697 Mar 31 03:38	0°♔16'41	
morning rise	6696 Apr 16 08:45	16°♔42'07			6697 Mar 31 11:11	30°♓	
direct	6696 Apr 22 20:35	13°♔53'50		direct	6697 Apr 06 04:29	27°♓35'09	
desc. node	6696 Apr 30 04:19	16°♔39'58			6697 Apr 12 16:42	0°♕	
morning max el	6696 May 05 22:51	21°♕39'05	26°43'11	desc. node	6697 Apr 17 01:19	3°♕35'24	
	6696 May 13 05:19	0°♖		morning max el	6697 Apr 18 08:32	4°♕52'03	25°29'01
	6696 Jun 02 05:58	0°♗			6697 May 07 15:38	0°♖	
morning set	6696 Jun 10 20:13	15°♗29'59		morning set	6697 May 24 12:15	27°♖57'01	
max. Earth dist.	6696 Jun 15 01:29	23°♗42'55	1.34361 AU		6697 May 25 15:13	0°♗	
	6696 Jun 18 03:59	0°♘		max. Earth dist.	6697 May 28 05:12	4°♗48'20	1.36130 AU
superior conj	6696 Jun 19 12:44	2°♘49'03	-0°21'22	superior conj	6697 Jun 03 03:50	16°♗21'04	-0°52'10
minimum elong	6696 Jun 19 13:54	2°♘55'09	0°21'12	minimum elong	6697 Jun 03 06:52	16°♗36'10	0°51'40
asc. node	6696 Jun 21 15:15	7°♘12'49		asc. node	6697 Jun 08 12:16	27°♗11'46	
evening rise	6696 Jun 27 00:32	18°♘32'34			6697 Jun 09 21:10	0°♙	
	6696 Jul 02 17:25	0°♚		evening rise	6697 Jun 11 06:14	2°♙48'33	

	6697 Jun 27 09:41	0°♊			6698 May 17 16:12	0°♊	
evening max el	6697 Jun 28 19:36	1°♊28'58	19°54'38	evening rise	6698 May 26 05:21	16°♊41'09	
retrograde	6697 Jul 09 01:32	6°♊31'02		asc. node	6698 May 26 09:18	17°♊00'37	
evening set	6697 Jul 10 22:40	6°♊21'35			6698 Jun 02 06:01	0°♊	
desc. node	6697 Jul 14 00:33	5°♊28'57		evening max el	6698 Jun 11 15:49	13°♊21'19	18°58'25
inferior conj	6697 Jul 19 22:02	2°♊20'58	-1°46'48	retrograde	6698 Jun 20 06:30	17°♊35'33	
minimum elong	6697 Jul 19 17:05	2°♊28'29	1°44'59	evening set	6698 Jun 22 06:22	17°♊22'50	
min. Earth dist.	6697 Jul 21 21:36	1°♊08'39	0.55219 AU	inferior conj	6698 Jun 30 11:42	13°♊07'33	0°07'22
	6697 Jul 23 21:11	30°♋		minimum elong	6698 Jun 30 11:59	13°♊07'01	0°07'12
morning rise	6697 Jul 28 09:37	27°♋59'55		transit middle	6698 Jun 30 11:59	13°♊07'01	0°07'12
direct	6697 Aug 01 19:09	27°♋17'28		transit begin	6698 Jun 30 08:38	13°♊12'55	
	6697 Aug 10 08:43	0°♊		transit end	6698 Jun 30 15:21	13°♋01'08	
morning max el	6697 Aug 15 14:02	4°♊05'51	24°19'29	desc. node	6698 Jun 30 21:33	12°♋50'13	
	6697 Sep 02 18:06	0°♋		min. Earth dist.	6698 Jul 03 12:54	11°♋00'03	0.56583 AU
asc. node	6697 Sep 04 11:37	3°♋18'32		morning rise	6698 Jul 08 14:17	8°♋10'23	
morning set	6697 Sep 09 15:02	13°♋49'09		direct	6698 Jul 13 21:26	7°♋03'46	
				morning max el	6698 Jul 28 03:55	14°♋26'14	25°56'45
superior conj	6697 Sep 16 13:09	28°♋50'03	1°36'11		6698 Aug 09 13:25	0°♊	
minimum elong	6697 Sep 16 11:38	28°♋41'46	1°36'05	asc. node	6698 Aug 22 08:38	22°♊55'34	
	6697 Sep 17 02:02	0°♊		morning set	6698 Aug 25 02:12	28°♊37'08	
max. Earth dist.	6697 Sep 18 12:46	3°♊07'47	1.32859 AU		6698 Aug 25 17:45	0°♋	
evening rise	6697 Sep 23 21:35	14°♊22'46					
	6697 Oct 02 01:53	0°♋		superior conj	6698 Sep 01 00:04	13°♋42'28	1°24'58
desc. node	6697 Oct 09 23:41	13°♋11'43		minimum elong	6698 Aug 31 21:57	13°♋30'46	1°24'43
	6697 Oct 22 08:05	0°♋		max. Earth dist.	6698 Sep 01 20:14	15°♋33'37	1.32106 AU
evening max el	6697 Oct 27 08:30	5°♋17'43	27°27'48	evening rise	6698 Sep 07 23:41	28°♋47'52	
retrograde	6697 Nov 10 00:44	12°♋35'40			6698 Sep 08 13:35	0°♊	
evening set	6697 Nov 17 02:55	10°♋01'48			6698 Sep 25 06:28	0°♋	
min. Earth dist.	6697 Nov 20 19:56	6°♋49'18	0.63533 AU	desc. node	6698 Sep 26 20:43	2°♋21'59	
inferior conj	6697 Nov 23 11:09	4°♋09'55	-2°36'46	evening max el	6698 Oct 09 16:21	17°♋56'51	27°16'11
minimum elong	6697 Nov 23 15:55	3°♋57'54	2°34'55	retrograde	6698 Oct 23 12:45	25°♋09'34	
	6697 Nov 28 04:12	30°♌		evening set	6698 Oct 30 15:15	22°♋51'07	
morning rise	6697 Nov 30 06:38	28°♋52'48		min. Earth dist.	6698 Nov 03 07:04	20°♋03'36	0.61619 AU
asc. node	6697 Dec 01 10:57	28°♋32'05		inferior conj	6698 Nov 06 07:51	17°♋20'55	-3°42'27
direct	6697 Dec 02 16:26	28°♋24'42		minimum elong	6698 Nov 06 14:18	17°♋06'29	3°40'24
	6697 Dec 07 02:45	0°♋		morning rise	6698 Nov 13 15:25	12°♋22'40	
morning max el	6697 Dec 09 06:12	1°♋49'18	17°49'19	direct	6698 Nov 15 21:59	12°♋00'46	
morning set	6697 Dec 25 16:51	27°♋00'38		asc. node	6698 Nov 18 07:59	12°♋26'25	
	6697 Dec 27 10:23	0°♋		morning max el	6698 Nov 22 21:54	15°♋32'39	17°53'25
desc. node	6698 Jan 05 22:56	16°♋06'53			6698 Dec 02 22:48	0°♋	
				morning set	6698 Dec 08 15:52	10°♋13'35	
superior conj	6698 Jan 07 02:03	17°♋58'39	-0°08'05				
minimum elong	6698 Jan 07 01:11	17°♋55'03	0°07'54	superior conj	6698 Dec 19 07:04	29°♋10'38	0°32'29
behind sun begin	6698 Jan 06 16:43	17°♋20'17		minimum elong	6698 Dec 19 09:47	29°♋22'22	0°32'09
behind sun end	6698 Jan 07 09:38	18°♋29'47			6698 Dec 19 18:31	0°♋	
max. Earth dist.	6698 Jan 13 02:17	27°♋42'10	1.44370 AU	desc. node	6698 Dec 23 19:56	6°♋53'09	
	6698 Jan 14 12:58	0°♋		max. Earth dist.	6698 Dec 26 16:33	11°♋37'06	1.42892 AU
evening rise	6698 Jan 22 15:26	12°♋38'24		evening rise	6699 Jan 02 08:04	22°♋16'30	
	6698 Feb 03 03:23	0°♋			6699 Jan 07 07:50	0°♋	
evening max el	6698 Feb 20 11:50	23°♋09'43	20°43'58		6699 Jan 28 10:00	0°♋	
asc. node	6698 Feb 27 10:09	27°♋51'57		evening max el	6699 Feb 03 07:41	6°♋47'48	21°57'32
retrograde	6698 Feb 28 18:06	28°♋01'15		retrograde	6699 Feb 12 15:23	12°♋19'36	
evening set	6698 Mar 04 18:44	26°♋28'37		asc. node	6699 Feb 14 07:11	12°♋05'15	
inferior conj	6698 Mar 10 02:38	20°♋18'49	2°56'26	evening set	6699 Feb 17 02:35	10°♋31'41	
minimum elong	6698 Mar 10 00:32	20°♋26'06	2°55'59	inferior conj	6699 Feb 22 10:34	4°♋12'17	2°25'40
min. Earth dist.	6698 Mar 10 15:41	19°♋33'57	0.67824 AU	minimum elong	6699 Feb 22 08:14	4°♋20'24	2°25'01
morning rise	6698 Mar 15 06:06	14°♋04'18		min. Earth dist.	6699 Feb 22 11:13	4°♋10'02	0.68226 AU
direct	6698 Mar 20 17:37	11°♋38'12			6699 Feb 25 15:18	30°♌	
morning max el	6698 Mar 31 17:17	18°♋12'13	24°02'11	morning rise	6699 Feb 27 13:43	28°♌01'09	
desc. node	6698 Apr 03 22:19	21°♋40'35		direct	6699 Mar 04 10:58	25°♌55'50	
	6698 Apr 10 14:48	0°♌			6699 Mar 12 10:08	0°♋	
	6698 Apr 30 17:41	0°♌		morning max el	6699 Mar 14 03:36	1°♋38'49	22°32'47
morning set	6698 May 06 07:48	9°♌23'07		desc. node	6699 Mar 21 19:19	10°♋35'56	
max. Earth dist.	6698 May 10 01:21	15°♌55'36	1.38241 AU		6699 Apr 04 13:35	0°♌	
				morning set	6699 Apr 17 01:11	19°♌33'44	
superior conj	6698 May 17 06:45	29°♌14'59	-1°22'19	max. Earth dist.	6699 Apr 21 21:52	27°♌40'13	1.40470 AU
minimum elong	6698 May 17 11:29	29°♌37'31	1°21'39		6699 Apr 23 06:36	0°♌	

superior conj	6699 Apr 29 17:11	11°♄20'26	-1°48'34	minimum elong	6700 Apr 11 09:46	22°♄41'12	2°06'13
minimum elong	6699 Apr 29 22:34	11°♄44'48	1°48'05		6700 Apr 15 15:01	0°♄	
evening rise	6699 May 09 18:36	0°♄02'13		evening rise	6700 Apr 22 18:01	12°♄42'18	
	6699 May 09 18:08	0°♄		asc. node	6700 Apr 30 03:24	25°♄48'08	
asc. node	6699 May 13 06:21	6°♄34'36			6700 May 02 16:32	0°♄	
evening max el	6699 May 25 21:17	25°♄51'11	18°22'42	evening max el	6700 May 09 08:16	8°♄49'00	18°06'54
retrograde	6699 Jun 02 06:43	29°♄32'12		retrograde	6700 May 16 00:26	12°♄13'17	
evening set	6699 Jun 04 13:33	29°♄12'02		evening set	6700 May 18 14:26	11°♄42'51	
inferior conj	6699 Jun 11 22:58	24°♄36'24	1°38'03	inferior conj	6700 May 25 06:41	6°♄46'41	2°38'58
minimum elong	6699 Jun 12 01:56	24°♄30'17	1°37'02	minimum elong	6700 May 25 09:46	6°♄39'18	2°38'12
min. Earth dist.	6699 Jun 15 08:57	21°♄49'21	0.58551 AU	min. Earth dist.	6700 May 28 12:13	3°♄43'08	0.60768 AU
desc. node	6699 Jun 17 18:36	20°♄05'44		morning rise	6700 Jun 01 02:46	0°♄52'15	
morning rise	6699 Jun 19 11:07	19°♄05'55			6700 Jun 02 14:46	30°♄	
direct	6699 Jun 25 13:39	17°♄27'38		desc. node	6700 Jun 04 15:39	29°♄10'07	
morning max el	6699 Jul 09 22:54	25°♄11'45	27°10'19	direct	6700 Jun 07 17:46	28°♄42'02	
	6699 Jul 14 09:28	0°♄			6700 Jun 13 03:21	0°♄	
	6699 Aug 02 20:02	0°♄		morning max el	6700 Jun 22 00:46	6°♄39'14	27°49'15
morning set	6699 Aug 09 11:07	13°♄16'00			6700 Jul 09 15:21	0°♄	
asc. node	6699 Aug 09 05:38	12°♄47'08		morning set	6700 Jul 24 16:03	27°♄40'50	
					6700 Jul 25 18:47	0°♄	
superior conj	6699 Aug 16 11:52	28°♄34'06	1°08'49	asc. node	6700 Jul 27 02:40	2°♄48'24	
minimum elong	6699 Aug 16 09:37	28°♄21'32	1°08'26	max. Earth dist.	6700 Jul 30 16:55	10°♄35'02	1.31927 AU
max. Earth dist.	6699 Aug 16 06:51	28°♄06'14	1.31796 AU				
	6699 Aug 17 03:23	0°♄		superior conj	6700 Jul 31 22:52	13°♄19'40	0°48'13
evening rise	6699 Aug 23 07:06	13°♄25'50		minimum elong	6700 Jul 31 20:56	13°♄09'03	0°47'48
	6699 Aug 31 15:14	0°♄		evening rise	6700 Aug 07 17:42	28°♄10'18	
desc. node	6699 Sep 13 17:45	20°♄42'41			6700 Aug 08 14:20	0°♄	
evening max el	6699 Sep 21 17:50	29°♄49'17	26°30'44		6700 Aug 25 08:56	0°♄	
	6699 Sep 21 22:23	0°♄		desc. node	6700 Aug 31 14:48	7°♄54'12	
retrograde	6699 Oct 05 16:00	6°♄56'23		evening max el	6700 Sep 03 11:17	10°♄51'01	25°14'52
evening set	6699 Oct 12 09:06	5°♄04'40		retrograde	6700 Sep 17 09:01	17°♄53'02	
min. Earth dist.	6699 Oct 16 07:25	2°♄29'45	0.59550 AU	evening set	6700 Sep 23 03:46	16°♄36'27	
inferior conj	6699 Oct 19 12:42	29°♄59'11	-4°40'46	min. Earth dist.	6700 Sep 27 22:49	13°♄56'13	0.57536 AU
minimum elong	6699 Oct 19 19:15	29°♄46'22	4°39'20	inferior conj	6700 Sep 30 22:26	11°♄55'11	-5°19'39
	6699 Oct 19 12:17	30°♄		minimum elong	6700 Oct 01 01:51	11°♄49'21	5°19'20
morning rise	6699 Oct 27 07:35	25°♄22'55		morning rise	6700 Oct 09 02:14	7°♄42'11	
direct	6699 Oct 29 14:37	25°♄04'06		direct	6700 Oct 11 13:52	7°♄23'53	
asc. node	6699 Nov 05 05:00	27°♄49'27		morning max el	6700 Oct 20 11:02	11°♄37'07	19°02'03
morning max el	6699 Nov 06 08:39	28°♄51'45	18°17'09	asc. node	6700 Oct 23 02:01	14°♄27'49	
	6699 Nov 07 11:07	0°♄			6700 Nov 01 19:39	0°♄	
morning set	6699 Nov 22 04:57	24°♄05'40		morning set	6700 Nov 06 03:42	8°♄24'05	
	6699 Nov 25 07:33	0°♄					
superior conj	6699 Dec 01 11:55	11°♄31'03	1°03'50	superior conj	6700 Nov 14 11:30	24°♄45'24	1°25'20
minimum elong	6699 Dec 01 15:35	11°♄47'47	1°03'25	minimum elong	6700 Nov 14 14:30	24°♄59'45	1°25'05
max. Earth dist.	6699 Dec 09 02:12	24°♄54'56	1.40968 AU		6700 Nov 17 05:52	0°♄	
desc. node	6699 Dec 10 16:57	27°♄38'55		max. Earth dist.	6700 Nov 21 07:59	7°♄29'37	1.38831 AU
	6699 Dec 12 02:44	0°♄		evening rise	6700 Nov 25 03:35	14°♄12'15	
evening rise	6699 Dec 13 18:39	2°♄44'30		desc. node	6700 Nov 27 13:58	18°♄20'33	
	6699 Dec 31 16:02	0°♄			6700 Dec 04 18:51	0°♄	
evening max el	6700 Jan 16 23:22	20°♄28'38	23°16'54		6700 Dec 26 14:13	0°♄	
retrograde	6700 Jan 27 10:05	26°♄39'28		evening max el	6700 Dec 30 12:40	4°♄12'24	24°35'57
evening set	6700 Feb 01 09:14	24°♄36'14		retrograde	6701 Jan 11 01:07	10°♄56'05	
asc. node	6700 Feb 01 04:14	24°♄46'32		evening set	6701 Jan 16 13:07	8°♄38'30	
inferior conj	6700 Feb 06 18:54	18°♄10'42	1°46'31	asc. node	6701 Jan 19 01:18	6°♄04'07	
minimum elong	6700 Feb 06 16:48	18°♄17'53	1°45'48	min. Earth dist.	6701 Jan 21 03:38	3°♄24'41	0.67834 AU
min. Earth dist.	6700 Feb 06 07:57	18°♄48'20	0.68222 AU	inferior conj	6701 Jan 22 01:47	2°♄10'56	0°59'42
morning rise	6700 Feb 12 00:19	12°♄04'22		minimum elong	6701 Jan 22 00:25	2°♄15'29	0°59'13
direct	6700 Feb 16 07:25	10°♄21'53			6701 Jan 23 17:57	30°♄	
morning max el	6700 Feb 24 19:15	15°♄15'56	21°09'17	morning rise	6701 Jan 27 11:52	26°♄11'01	
desc. node	6700 Mar 08 16:20	0°♄07'38		direct	6701 Jan 31 05:49	24°♄50'35	
	6700 Mar 08 14:09	0°♄		morning max el	6701 Feb 07 18:38	29°♄05'15	19°57'20
morning set	6700 Mar 27 14:57	28°♄28'30			6701 Feb 08 15:56	0°♄	
	6700 Mar 28 14:12	0°♄		desc. node	6701 Feb 23 13:19	20°♄05'24	
max. Earth dist.	6700 Apr 04 00:47	10°♄20'59	1.42522 AU		6701 Mar 02 03:02	0°♄	
				morning set	6701 Mar 06 12:12	6°♄43'08	
superior conj	6700 Apr 11 06:15	22°♄26'10	-2°06'19	max. Earth dist.	6701 Mar 17 10:53	23°♄51'32	1.44141 AU
					6701 Mar 21 06:39	0°♄	

superior conj	6701 Mar 22 18:17	2°♿24'36	-2°09'44	superior conj	6702 Mar 02 07:44	11°♿26'55	-1°53'51
minimum elong	6701 Mar 22 16:18	2°♿16'35	2°09'43	minimum elong	6702 Mar 01 23:30	10°♿54'27	1°53'14
evening rise	6701 Apr 04 22:59	24°♿30'53			6702 Mar 13 22:23	0°♿	
	6701 Apr 08 03:48	0°♿		evening rise	6702 Mar 17 05:35	5°♿21'58	
asc. node	6701 Apr 17 00:28	14°♿33'36			6702 Apr 01 20:10	0°♿	
evening max el	6701 Apr 22 21:19	22°♿04'58	18°10'16	asc. node	6702 Apr 03 21:31	2°♿42'30	
retrograde	6701 Apr 29 07:01	25°♿27'20		evening max el	6702 Apr 06 09:35	5°♿32'29	18°32'05
evening set	6701 May 02 03:45	24°♿44'55		retrograde	6702 Apr 12 22:02	9°♿06'04	
inferior conj	6701 May 08 06:53	19°♿29'40	3°13'32	evening set	6702 Apr 16 01:35	8°♿10'28	
minimum elong	6701 May 08 08:47	19°♿24'30	3°13'15	inferior conj	6702 Apr 21 19:29	2°♿37'41	3°27'17
min. Earth dist.	6701 May 11 00:27	16°♿33'16	0.62931 AU	minimum elong	6702 Apr 21 19:54	2°♿36'26	3°27'14
morning rise	6701 May 14 12:23	13°♿21'27		min. Earth dist.	6702 Apr 23 22:00	0°♿07'14	0.64829 AU
direct	6701 May 21 07:46	10°♿46'33			6702 Apr 24 00:29	30°♿♿	
desc. node	6701 May 22 12:41	10°♿51'02		morning rise	6702 Apr 27 13:28	26°♿23'14	
morning max el	6701 Jun 04 08:01	18°♿48'38	27°50'07	direct	6702 May 04 05:50	23°♿35'47	
	6701 Jun 13 18:41	0°♿		desc. node	6702 May 09 09:43	24°♿58'55	
	6701 Jul 02 12:54	0°♿			6702 May 16 04:21	0°♿	
morning set	6701 Jul 08 14:49	11°♿44'39		morning max el	6702 May 17 17:51	1°♿31'21	27°15'52
asc. node	6701 Jul 13 23:42	22°♿54'19			6702 Jun 07 22:13	0°♿	
max. Earth dist.	6701 Jul 13 22:14	22°♿46'31	1.32501 AU	morning set	6702 Jun 22 04:39	25°♿19'26	
					6702 Jun 24 13:32	0°♿	
superior conj	6701 Jul 16 07:12	27°♿53'10	0°23'39	max. Earth dist.	6702 Jun 26 18:59	4°♿30'42	1.33544 AU
minimum elong	6701 Jul 16 06:06	27°♿47'13	0°23'22				
	6701 Jul 17 06:33	0°♿		superior conj	6702 Jun 30 10:51	12°♿08'37	-0°04'14
evening rise	6701 Jul 23 05:26	12°♿54'36		minimum elong	6702 Jun 30 11:05	12°♿09'48	0°04'15
	6701 Jul 31 19:36	0°♿		behind sun begin	6702 Jun 30 05:43	11°♿41'26	
evening max el	6701 Aug 15 23:20	21°♿15'32	23°40'07	behind sun end	6702 Jun 30 16:27	12°♿38'13	
desc. node	6701 Aug 18 11:51	23°♿29'52		asc. node	6702 Jun 30 20:44	13°♿00'54	
retrograde	6701 Aug 29 14:20	28°♿05'38		evening rise	6702 Jul 07 16:28	27°♿32'58	
evening set	6701 Sep 02 22:34	27°♿24'13			6702 Jul 08 20:32	0°♿	
min. Earth dist.	6701 Sep 09 09:22	24°♿20'05	0.55870 AU		6702 Jul 27 01:08	0°♿	
inferior conj	6701 Sep 11 11:58	23°♿04'17	-5°21'55	evening max el	6702 Jul 28 13:47	1°♿34'38	22°02'35
minimum elong	6701 Sep 11 08:49	23°♿09'01	5°21'42	desc. node	6702 Aug 05 08:54	6°♿56'50	
morning rise	6701 Sep 19 21:26	19°♿09'49		retrograde	6702 Aug 10 07:43	7°♿54'19	
direct	6701 Sep 22 17:25	18°♿49'51		evening set	6702 Aug 13 04:52	7°♿35'50	
morning max el	6701 Oct 03 02:01	23°♿39'59	20°09'07	inferior conj	6702 Aug 22 09:34	3°♿33'10	-4°32'25
	6701 Oct 08 12:06	0°♿		minimum elong	6702 Aug 22 00:51	3°♿45'25	4°30'29
asc. node	6701 Oct 09 23:03	2°♿06'32		min. Earth dist.	6702 Aug 21 18:46	3°♿53'56	0.54891 AU
morning set	6701 Oct 21 08:56	23°♿00'04			6702 Aug 29 22:24	30°♿♿	
	6701 Oct 24 18:49	0°♿		morning rise	6702 Aug 30 22:19	29°♿43'44	
				direct	6702 Sep 03 05:57	29°♿19'18	
superior conj	6701 Oct 29 00:49	8°♿39'30	1°37'47		6702 Sep 07 09:47	0°♿	
minimum elong	6701 Oct 29 02:28	8°♿47'46	1°37'44	morning max el	6702 Sep 15 04:27	4°♿55'24	21°36'50
max. Earth dist.	6701 Nov 03 13:56	19°♿31'14	1.36745 AU	asc. node	6702 Sep 26 20:04	20°♿31'30	
evening rise	6701 Nov 07 09:32	26°♿36'57			6702 Oct 01 22:35	0°♿	
	6701 Nov 09 06:46	0°♿		morning set	6702 Oct 05 18:09	7°♿46'16	
desc. node	6701 Nov 14 11:00	8°♿54'06					
	6701 Nov 28 05:53	0°♿		superior conj	6702 Oct 12 23:46	23°♿00'46	1°42'22
evening max el	6701 Dec 13 01:26	17°♿57'59	25°47'46	minimum elong	6702 Oct 12 23:59	23°♿01'54	1°42'24
retrograde	6701 Dec 25 11:33	25°♿04'12			6702 Oct 16 09:10	0°♿	
evening set	6701 Dec 31 12:36	22°♿34'52		max. Earth dist.	6702 Oct 17 01:40	1°♿23'19	1.34927 AU
min. Earth dist.	6702 Jan 04 20:04	17°♿55'32	0.67078 AU	evening rise	6702 Oct 21 08:40	9°♿48'13	
asc. node	6702 Jan 05 22:20	16°♿32'37		desc. node	6702 Nov 01 08:01	29°♿14'02	
inferior conj	6702 Jan 06 05:24	16°♿10'11	0°05'58		6702 Nov 01 19:17	0°♿	
minimum elong	6702 Jan 06 05:15	16°♿10'41	0°05'57		6702 Nov 23 22:37	0°♿	
transit middle	6702 Jan 06 05:15	16°♿10'41	0°05'57	evening max el	6702 Nov 25 14:30	1°♿39'23	26°44'58
transit begin	6702 Jan 06 02:37	16°♿19'00		retrograde	6702 Dec 08 16:33	8°♿56'18	
transit end	6702 Jan 06 07:52	16°♿02'23		evening set	6702 Dec 15 05:41	6°♿19'41	
morning rise	6702 Jan 11 22:24	10°♿18'36		min. Earth dist.	6702 Dec 19 06:52	2°♿15'10	0.65968 AU
direct	6702 Jan 15 04:42	9°♿17'33		inferior conj	6702 Dec 21 03:41	0°♿03'27	-0°53'54
morning max el	6702 Jan 22 01:43	13°♿04'39	19°00'11	minimum elong	6702 Dec 21 05:12	29°♿58'58	0°53'11
	6702 Feb 03 16:34	0°♿			6702 Dec 21 04:51	30°♿♿	
desc. node	6702 Feb 10 10:20	10°♿22'24		asc. node	6702 Dec 23 19:22	27°♿05'33	
morning set	6702 Feb 13 17:11	15°♿28'55		morning rise	6702 Dec 27 05:38	24°♿22'42	
	6702 Feb 23 00:36	0°♿		direct	6702 Dec 30 02:16	23°♿37'22	
max. Earth dist.	6702 Feb 28 02:31	7°♿57'31	1.45143 AU	morning max el	6703 Jan 05 14:46	27°♿08'04	18°19'13
					6703 Jan 08 04:16	0°♿	

morning set	6703 Jan 25 00:31	25°  36'23		desc. node	6704 Jan 15 04:17	21°  31'36	
	6703 Jan 27 18:12	0° 					
desc. node	6703 Jan 28 07:19	0°  52'31		superior conj	6704 Jan 20 01:36	29°  27'05	-0°34'14
				minimum elong	6704 Jan 19 21:34	29°  10'54	0°33'36
superior conj	6703 Feb 09 11:34	20°  09'51	-1°19'11		6704 Jan 20 09:49	0° 	
minimum elong	6703 Feb 09 02:36	19°  34'42	1°18'08	max. Earth dist.	6704 Jan 24 17:04	6°  50'48	1.44957 AU
max. Earth dist.	6703 Feb 10 21:30	22°  22'55	1.45422 AU	evening rise	6704 Feb 05 03:40	24°  39'09	
	6703 Feb 15 18:22	0° 			6704 Feb 08 15:26	0° 	
evening rise	6703 Feb 25 13:03	15°  18'08		greatest brilliancy	6704 Feb 19 21:33	16°  55'00	-0.6m
	6703 Mar 06 22:41	0° 			6704 Feb 29 12:41	0° 	
greatest brilliancy	6703 Mar 08 10:23	2°  17'33	-0.8m	evening max el	6704 Mar 02 22:59	2°  41'32	20°06'21
evening max el	6703 Mar 20 18:43	19°  06'01	19°11'22	asc. node	6704 Mar 07 15:36	6°  23'13	
asc. node	6703 Mar 21 18:33	20°  03'38		retrograde	6704 Mar 10 16:07	7°  10'42	
retrograde	6703 Mar 27 17:59	23°  02'26		evening set	6704 Mar 14 11:29	5°  46'25	
evening set	6703 Mar 31 04:56	21°  52'49		inferior conj	6704 Mar 19 20:12	29°  43'32	3°09'56
inferior conj	6703 Apr 05 16:54	16°  04'03	3°24'57	minimum elong	6704 Mar 19 18:25	29°  49'34	3°09'38
minimum elong	6703 Apr 05 16:01	16°  06'52	3°24'52		6704 Mar 19 15:20	30°  R 	
min. Earth dist.	6703 Apr 07 03:59	14°  11'20	0.66335 AU	min. Earth dist.	6704 Mar 20 16:50	28°  33'50	0.67405 AU
morning rise	6703 Apr 11 02:44	9°  47'52		morning rise	6704 Mar 25 01:09	23°  28'05	
direct	6703 Apr 17 10:28	7°  00'56		direct	6704 Mar 30 20:34	20°  52'22	
desc. node	6703 Apr 26 06:44	11°  02'11		morning max el	6704 Apr 11 12:54	27°  51'44	24°53'07
morning max el	6703 Apr 30 03:51	14°  03'54	26°13'45	desc. node	6704 Apr 12 03:43	28°  29'44	
	6703 May 12 17:31	0° 			6704 Apr 13 13:27	0° 	
	6703 May 31 16:56	0° 			6704 May 05 10:21	0° 	
morning set	6703 Jun 05 05:59	8°  15'06		morning set	6704 May 17 14:01	20°  17'52	
max. Earth dist.	6703 Jun 09 04:49	15°  47'05	1.35064 AU	max. Earth dist.	6704 May 21 04:54	26°  50'43	1.37002 AU
					6704 May 22 21:40	0° 	
superior conj	6703 Jun 14 07:26	25°  15'27	-0°34'21	superior conj	6704 May 27 17:51	9°  16'38	-1°05'10
minimum elong	6703 Jun 14 09:23	26°  09'21	0°34'01	minimum elong	6704 May 27 21:40	9°  35'17	1°04'34
	6703 Jun 16 06:15	0° 		asc. node	6704 Jun 03 14:46	22°  15'20	
asc. node	6703 Jun 17 17:45	3°  04'03		evening rise	6704 Jun 05 04:05	26°  10'51	
evening rise	6703 Jun 22 00:48	11°  05'33			6704 Jun 07 02:53	0° 	
	6703 Jul 01 10:41	0° 		evening max el	6704 Jun 22 03:42	23°  04'48	19°28'07
evening max el	6703 Jul 10 14:22	12°  20'35	20°36'09	retrograde	6704 Jul 01 15:56	28°  02'14	
retrograde	6703 Jul 21 19:50	17°  05'21		evening set	6704 Jul 03 13:23	28°  01'54	
desc. node	6703 Jul 23 05:57	17°  04'22		desc. node	6704 Jul 09 03:00	26°  06'23	
evening set	6703 Jul 23 20:53	17°  04'20		inferior conj	6704 Jul 12 05:43	24°  01'44	-0°56'33
inferior conj	6703 Aug 02 02:40	13°  04'51	-2°54'35	minimum elong	6704 Jul 12 03:11	24°  01'54	0°55'38
minimum elong	6703 Aug 01 18:49	13°  05'29	2°51'56	min. Earth dist.	6704 Jul 14 18:01	22°  03'08	0.55711 AU
min. Earth dist.	6703 Aug 03 05:08	13°  07'12	0.54828 AU	morning rise	6704 Jul 20 14:24	19°  03'09	
morning rise	6703 Aug 10 16:16	9°  04'12		direct	6704 Jul 25 08:59	18°  04'51	
direct	6703 Aug 14 15:19	9°  07'48		morning max el	6704 Aug 08 10:01	25°  04'18	25°02'47
morning max el	6703 Aug 27 21:01	15°  03'05	23°18'56		6704 Aug 12 09:14	0° 	
	6703 Sep 08 05:48	0° 		asc. node	6704 Aug 30 14:05	28°  05'01	
asc. node	6703 Sep 13 17:05	9°  03'13			6704 Aug 31 02:40	0° 	
morning set	6703 Sep 20 05:28	22°  03'29		morning set	6704 Sep 03 17:09	7°  03'57	
	6703 Sep 23 16:03	0° 					
superior conj	6703 Sep 27 05:14	7°  04'11	1°40'10	superior conj	6704 Sep 10 14:46	22°  03'27	1°32'03
minimum elong	6703 Sep 27 04:15	7°  04'52	1°40'08	minimum elong	6704 Sep 10 12:56	22°  03'26	1°31'53
max. Earth dist.	6703 Sep 29 22:11	13°  02'14	1.33497 AU	max. Earth dist.	6704 Sep 12 02:28	25°  04'35	1.32492 AU
evening rise	6703 Oct 04 20:59	23°  03'54			6704 Sep 14 01:42	0° 	
	6703 Oct 08 04:02	0° 		evening rise	6704 Sep 17 18:54	7°  04'05	
desc. node	6703 Oct 19 05:03	19°  01'40			6704 Sep 29 14:51	0° 	
	6703 Oct 26 10:16	0° 		desc. node	6704 Oct 05 02:06	8°  01'45	
evening max el	6703 Nov 08 03:09	15°  06'32	27°20'06	evening max el	6704 Oct 20 13:22	28°  06'07	27°26'50
retrograde	6703 Nov 21 15:15	22°  02'45			6704 Oct 22 16:20	0° 	
evening set	6703 Nov 28 14:05	19°  04'40		retrograde	6704 Nov 03 07:17	5°  02'27	
min. Earth dist.	6703 Dec 02 09:45	16°  04'17	0.64519 AU	evening set	6704 Nov 10 10:48	2°  02'39	
inferior conj	6703 Dec 04 18:17	13°  04'53	-1°58'26		6704 Nov 13 23:18	30°  R 	
minimum elong	6703 Dec 04 21:51	13°  03'36	1°56'57	min. Earth dist.	6704 Nov 14 02:43	29°  02'08	0.62752 AU
asc. node	6703 Dec 10 16:24	8°  03'16		inferior conj	6704 Nov 16 22:25	27°  09'49	-3°05'01
morning rise	6703 Dec 11 06:59	8°  01'45		minimum elong	6704 Nov 17 04:00	26°  06'25	3°03'00
direct	6703 Dec 13 20:07	7°  04'52		morning rise	6704 Nov 23 23:03	22°  00'26	
morning max el	6703 Dec 20 07:14	11°  09'22	17°55'12	direct	6704 Nov 26 07:12	21°  03'15	
	6704 Jan 02 06:36	0° 		asc. node	6704 Nov 26 13:25	21°  03'34	
morning set	6704 Jan 06 13:02	7°  03'10		morning max el	6704 Dec 03 00:10	25°  01'33	17°48'49

	6704 Dec 07 02:46	0°♊		asc. node	6705 Nov 13 10:27	6°♍08'40	
morning set	6704 Dec 19 01:21	19°♊52'22		morning max el	6705 Nov 16 14:17	8°♍35'52	18°01'06
	6704 Dec 24 19:54	0°♊			6705 Nov 30 10:58	0°♊	
				morning set	6705 Dec 02 06:57	3°♊23'13	
superior conj	6704 Dec 30 15:31	9°♊55'16	0°10'08				
minimum elong	6704 Dec 30 16:31	9°♊59'28	0°10'03	superior conj	6705 Dec 12 07:15	21°♊37'57	0°47'00
behind sun begin	6704 Dec 30 09:20	9°♊29'23		minimum elong	6705 Dec 12 10:39	21°♊52'57	0°46'35
behind sun end	6704 Dec 30 23:41	10°♊29'28			6705 Dec 17 03:05	0°♊	
desc. node	6705 Jan 01 01:17	12°♊16'12		desc. node	6705 Dec 18 22:18	3°♊02'28	
max. Earth dist.	6705 Jan 06 10:04	21°♊02'52	1.43804 AU	max. Earth dist.	6705 Dec 19 22:07	4°♊41'54	1.42106 AU
	6705 Jan 12 01:24	0°♊		evening rise	6705 Dec 25 14:11	13°♊55'55	
evening rise	6705 Jan 14 15:02	3°♊59'48			6706 Jan 05 00:27	0°♊	
	6705 Feb 01 02:14	0°♊		evening max el	6706 Jan 27 15:25	29°♊56'07	22°30'58
evening max el	6705 Feb 13 21:43	16°♊18'07	21°14'13		6706 Jan 27 16:57	0°♊	
retrograde	6705 Feb 22 14:21	21°♊26'44		retrograde	6706 Feb 06 10:49	5°♊45'45	
asc. node	6705 Feb 22 12:39	21°♊26'42		asc. node	6706 Feb 09 09:43	5°♊00'49	
evening set	6705 Feb 26 19:22	19°♊47'24		evening set	6706 Feb 11 02:53	3°♊51'15	
inferior conj	6705 Mar 04 03:03	13°♊32'56	2°44'28		6706 Feb 14 14:59	30°♊	
minimum elong	6705 Mar 04 00:48	13°♊40'46	2°43'56	inferior conj	6706 Feb 16 11:23	27°♊28'32	2°10'01
min. Earth dist.	6705 Mar 04 10:36	13°♊06'45	0.68039 AU	minimum elong	6706 Feb 16 09:06	27°♊36'28	2°09'20
morning rise	6705 Mar 09 06:04	7°♊19'46		min. Earth dist.	6706 Feb 16 07:00	27°♊43'45	0.68263 AU
direct	6705 Mar 14 11:26	5°♊02'22		morning rise	6706 Feb 21 15:10	21°♊19'04	
morning max el	6705 Mar 24 22:07	11°♊15'05	23°24'06	direct	6706 Feb 26 06:13	19°♊23'31	
desc. node	6705 Mar 30 00:41	16°♊58'12		morning max el	6706 Mar 07 10:21	24°♊45'36	21°56'11
	6705 Apr 08 20:10	0°♊			6706 Mar 12 02:35	0°♊	
	6705 Apr 28 05:35	0°♊		desc. node	6706 Mar 16 21:41	6°♊09'59	
morning set	6705 Apr 28 23:07	1°♊13'36			6706 Apr 02 06:59	0°♊	
max. Earth dist.	6705 May 03 00:45	8°♊12'13	1.39190 AU	morning set	6706 Apr 09 04:24	10°♊50'10	
				max. Earth dist.	6706 Apr 14 23:02	20°♊17'26	1.41372 AU
					6706 Apr 20 15:51	0°♊	
superior conj	6705 May 10 14:21	21°♊51'10	-1°34'08				
minimum elong	6705 May 10 19:34	22°♊15'30	1°33'31	superior conj	6706 Apr 22 16:12	3°♊31'38	-1°57'28
	6705 May 14 21:46	0°♊		minimum elong	6706 Apr 22 21:13	3°♊53'44	1°57'08
evening rise	6705 May 19 23:29	9°♊47'31		evening rise	6706 May 03 07:22	22°♊51'47	
asc. node	6705 May 21 11:49	12°♊42'38			6706 May 07 04:26	0°♊	
	6705 May 31 08:33	0°♊		asc. node	6706 May 08 08:53	2°♊08'27	
evening max el	6705 Jun 05 04:14	5°♊56'49	18°40'41	evening max el	6706 May 19 12:29	18°♊39'29	18°13'40
retrograde	6705 Jun 13 05:16	9°♊55'25		retrograde	6706 May 26 13:18	22°♊11'31	
evening set	6705 Jun 15 07:46	9°♊40'02		evening set	6706 May 28 23:08	21°♊47'22	
inferior conj	6705 Jun 23 04:29	5°♊16'08	0°49'21	inferior conj	6706 Jun 05 00:50	17°♊03'15	2°07'21
minimum elong	6705 Jun 23 06:17	5°♊12'45	0°48'39	minimum elong	6706 Jun 05 04:05	16°♊56'05	2°06'23
desc. node	6705 Jun 26 00:01	3°♊09'34		min. Earth dist.	6706 Jun 08 10:21	14°♊05'50	0.59478 AU
min. Earth dist.	6705 Jun 26 11:12	2°♊49'23	0.57367 AU	morning rise	6706 Jun 12 06:05	11°♊21'01	
morning rise	6705 Jul 01 01:21	0°♊03'32		desc. node	6706 Jun 12 21:02	11°♊00'16	
	6705 Jul 01 04:28	30°♊		direct	6706 Jun 18 14:57	9°♊28'24	
direct	6705 Jul 06 17:02	28°♊44'16		morning max el	6706 Jul 02 23:56	17°♊20'03	27°31'25
	6705 Jul 12 07:51	0°♊			6706 Jul 13 11:54	0°♊	
morning max el	6705 Jul 21 01:57	6°♊17'27	26°31'42		6706 Jul 31 03:27	0°♊	
	6705 Aug 07 14:11	0°♊		morning set	6706 Aug 03 11:07	6°♊46'50	
asc. node	6705 Aug 17 11:06	18°♊40'48		asc. node	6706 Aug 04 08:09	8°♊37'22	
morning set	6705 Aug 19 03:36	22°♊12'45		max. Earth dist.	6706 Aug 09 22:27	20°♊46'21	1.31793 AU
	6705 Aug 22 18:10	0°♊					
superior conj	6705 Aug 26 02:18	7°♊22'10	1°18'42	superior conj	6706 Aug 10 14:03	22°♊12'33	1°00'38
minimum elong	6705 Aug 26 00:04	7°♊09'46	1°18'22	minimum elong	6706 Aug 10 11:52	22°♊00'29	1°00'12
max. Earth dist.	6705 Aug 26 11:44	8°♊14'19	1.31923 AU		6706 Aug 14 02:42	0°♊	
evening rise	6705 Sep 01 23:34	22°♊20'09		evening rise	6706 Aug 17 08:37	7°♊02'02	
	6705 Sep 05 17:22	0°♊			6706 Aug 29 06:44	0°♊	
desc. node	6705 Sep 21 23:10	27°♊36'43		desc. node	6706 Sep 08 20:13	15°♊31'25	
	6705 Sep 23 16:58	0°♊		evening max el	6706 Sep 14 16:40	21°♊56'37	26°01'42
evening max el	6705 Oct 02 18:34	10°♊25'24	27°00'46	retrograde	6706 Sep 28 15:32	29°♊02'24	
retrograde	6705 Oct 16 15:54	17°♊36'13		evening set	6706 Oct 05 00:34	27°♊25'02	
evening set	6705 Oct 23 15:54	15°♊27'24		min. Earth dist.	6706 Oct 09 05:33	24°♊49'58	0.58668 AU
min. Earth dist.	6705 Oct 27 08:59	12°♊47'26	0.60747 AU	inferior conj	6706 Oct 12 09:56	22°♊29'41	-5°00'35
inferior conj	6705 Oct 30 12:47	10°♊07'31	-4°08'44	minimum elong	6706 Oct 12 15:39	22°♊19'09	4°59'38
minimum elong	6705 Oct 30 19:34	9°♊53'10	4°06'49	morning rise	6706 Oct 20 09:01	18°♊03'25	
morning rise	6705 Nov 07 01:25	5°♊18'42		direct	6706 Oct 22 17:17	17°♊45'15	
direct	6705 Nov 09 07:38	4°♊58'32		morning max el	6706 Oct 30 22:01	21°♊42'52	18°33'31

asc. node	6706 Oct 31 07:29	22°♄06'08			6707 Oct 06 18:13	0°♄	
	6706 Nov 06 08:40	0°♄		morning max el	6707 Oct 13 19:49	4°♄11'02	19°27'43
morning set	6706 Nov 16 00:40	17°♄28'16		asc. node	6707 Oct 18 04:30	9°♄11'56	
	6706 Nov 22 12:47	0°♄			6707 Oct 30 03:27	0°♄	
				morning set	6707 Oct 31 02:33	1°♄55'18	
superior conj	6706 Nov 24 20:49	4°♄23'40	1°14'07				
minimum elong	6706 Nov 25 00:20	4°♄40'05	1°13'44	superior conj	6707 Nov 08 02:48	17°♄56'19	1°31'38
max. Earth dist.	6706 Dec 02 05:24	17°♄39'46	1.40070 AU	minimum elong	6707 Nov 08 05:15	18°♄08'22	1°31'28
desc. node	6706 Dec 05 19:22	23°♄47'19			6707 Nov 14 11:03	0°♄	
evening rise	6706 Dec 06 10:19	24°♄49'58		max. Earth dist.	6707 Nov 14 10:50	29°♄59'01	1.37935 AU
	6706 Dec 09 13:37	0°♄		evening rise	6707 Nov 18 04:38	6°♄43'13	
	6706 Dec 29 19:25	0°♄		desc. node	6707 Nov 22 16:25	14°♄26'09	
evening max el	6707 Jan 10 05:54	13°♄38'17	23°50'59		6707 Dec 02 11:51	0°♄	
retrograde	6707 Jan 21 04:08	20°♄04'23		evening max el	6707 Dec 23 19:01	27°♄23'58	25°07'48
evening set	6707 Jan 26 08:32	17°♄55'07			6707 Dec 26 15:30	0°♄	
asc. node	6707 Jan 27 06:45	17°♄04'00		retrograde	6708 Jan 04 17:10	4°♄17'49	
min. Earth dist.	6707 Jan 31 03:41	12°♄21'21	0.68102 AU	evening set	6708 Jan 10 10:44	1°♄55'05	
inferior conj	6707 Jan 31 19:20	11°♄28'06	1°27'33		6708 Jan 12 09:42	30°♄	
minimum elong	6707 Jan 31 17:29	11°♄34'23	1°26'54	asc. node	6708 Jan 14 03:46	27°♄54'58	
morning rise	6707 Feb 06 02:26	5°♄24'00		min. Earth dist.	6708 Jan 14 22:16	26°♄55'48	0.67565 AU
direct	6707 Feb 10 03:47	3°♄50'58		inferior conj	6708 Jan 16 01:04	25°♄28'20	0°37'44
morning max el	6707 Feb 18 05:00	8°♄27'07	20°36'54	minimum elong	6708 Jan 16 00:09	25°♄31'19	0°37'25
desc. node	6707 Mar 03 18:41	25°♄53'33		morning rise	6708 Jan 21 13:49	19°♄31'35	
	6707 Mar 06 14:22	0°♄		direct	6708 Jan 25 02:42	18°♄19'35	
morning set	6707 Mar 19 08:37	19°♄19'27		morning max el	6708 Feb 01 07:41	22°♄20'42	19°31'01
	6707 Mar 26 03:12	0°♄			6708 Feb 07 16:32	0°♄	
max. Earth dist.	6707 Mar 28 04:28	3°♄18'01	1.43275 AU	greatest brilliancy	6708 Feb 14 06:24	9°♄24'38	-0.7m
				desc. node	6708 Feb 18 15:42	16°♄00'16	
superior conj	6707 Apr 03 18:49	14°♄08'32	-2°09'54	morning set	6708 Feb 26 06:00	27°♄38'15	
minimum elong	6707 Apr 03 20:25	14°♄15'13	2°09'53		6708 Feb 27 18:43	0°♄	
	6707 Apr 13 00:53	0°♄		max. Earth dist.	6708 Mar 09 17:36	17°♄07'06	1.44655 AU
evening rise	6707 Apr 15 23:24	5°♄10'02					
asc. node	6707 Apr 25 05:56	21°♄10'33		superior conj	6708 Mar 13 20:24	23°♄40'22	-2°05'30
	6707 May 01 09:43	0°♄		minimum elong	6708 Mar 13 15:29	23°♄20'41	2°05'18
evening max el	6707 May 03 00:47	1°♄45'54	18°06'09		6708 Mar 17 18:32	0°♄	
retrograde	6707 May 09 12:51	5°♄07'19		evening rise	6708 Mar 27 19:11	16°♄34'18	
evening set	6707 May 12 05:50	4°♄31'53			6708 Apr 04 20:13	0°♄	
	6707 May 18 03:06	30°♄		asc. node	6708 Apr 11 02:58	9°♄41'27	
inferior conj	6707 May 18 16:00	29°♄27'38	2°56'30	evening max el	6708 Apr 15 13:50	15°♄07'35	18°17'24
minimum elong	6707 May 18 18:41	29°♄20'53	2°55'57	retrograde	6708 Apr 21 23:28	18°♄32'56	
min. Earth dist.	6707 May 21 17:12	26°♄24'22	0.61708 AU	evening set	6708 Apr 24 23:12	17°♄44'50	
morning rise	6707 May 25 05:36	23°♄26'33		inferior conj	6708 Apr 30 21:55	12°♄21'48	3°21'37
desc. node	6707 May 30 18:04	21°♄08'54		minimum elong	6708 Apr 30 23:12	12°♄18'11	3°21'28
direct	6707 May 31 23:42	21°♄04'17		min. Earth dist.	6708 May 03 09:11	9°♄34'51	0.63778 AU
morning max el	6707 Jun 15 04:02	29°♄04'30	27°54'15	morning rise	6708 May 06 22:08	6°♄10'28	
	6707 Jun 16 01:50	0°♄		direct	6708 May 13 17:05	3°♄28'52	
	6707 Jul 07 09:54	0°♄		desc. node	6708 May 16 15:04	3°♄55'19	
morning set	6707 Jul 18 13:42	21°♄03'21		morning max el	6708 May 27 12:37	11°♄28'51	27°39'39
asc. node	6707 Jul 22 05:10	28°♄41'02			6708 Jun 11 04:12	0°♄	
	6707 Jul 22 19:55	0°♄			6708 Jun 28 20:31	0°♄	
max. Earth dist.	6707 Jul 24 06:52	3°♄08'40	1.32111 AU	morning set	6708 Jul 01 09:00	4°♄55'30	
				max. Earth dist.	6708 Jul 06 09:06	15°♄10'04	1.32886 AU
superior conj	6707 Jul 26 00:08	6°♄53'49	0°38'17	asc. node	6708 Jul 08 02:12	18°♄47'38	
minimum elong	6707 Jul 25 22:30	6°♄44'51	0°37'54				
evening rise	6707 Aug 01 19:54	21°♄47'18		superior conj	6708 Jul 09 06:43	21°♄20'14	0°12'13
	6707 Aug 05 18:37	0°♄		minimum elong	6708 Jul 09 06:07	21°♄17'02	0°12'02
	6707 Aug 24 17:13	0°♄		behind sun begin	6708 Jul 09 02:34	20°♄57'57	
desc. node	6707 Aug 26 17:17	2°♄06'16		behind sun end	6708 Jul 09 09:40	21°♄36'07	
evening max el	6707 Aug 27 07:28	2°♄40'53	24°36'08		6708 Jul 13 06:56	0°♄	
retrograde	6707 Sep 10 03:37	9°♄38'41		evening rise	6708 Jul 16 07:34	6°♄29'52	
evening set	6707 Sep 15 08:40	8°♄38'06			6708 Jul 28 17:36	0°♄	
min. Earth dist.	6707 Sep 20 18:37	5°♄49'37	0.56769 AU	evening max el	6708 Aug 07 19:27	12°♄58'33	22°58'04
inferior conj	6707 Sep 23 11:05	4°♄06'30	-5°26'09	desc. node	6708 Aug 12 14:18	16°♄51'25	
minimum elong	6707 Sep 23 12:01	4°♄05'00	5°26'08	retrograde	6708 Aug 21 03:04	19°♄37'49	
morning rise	6707 Oct 01 17:37	0°♄01'57		evening set	6708 Aug 24 19:49	19°♄07'54	
	6707 Oct 01 21:02	30°♄		min. Earth dist.	6708 Sep 01 03:53	15°♄49'37	0.55362 AU
direct	6707 Oct 04 08:26	29°♄43'08		inferior conj	6708 Sep 02 16:52	14°♄56'21	-5°07'40

minimum elong	6708 Sep 02 10:49	15° \mathbb{M} 05'05	5°06'51	min. Earth dist.	6709 Aug 13 13:17	25° Ω 09'46	0.54739 AU
morning rise	6708 Sep 11 03:59	11° \mathbb{M} 06'22		morning rise	6709 Aug 22 00:16	21° Ω 20'43	
direct	6708 Sep 14 04:49	10° \mathbb{M} 44'45		direct	6709 Aug 25 13:40	20° Ω 53'23	
morning max el	6708 Sep 25 05:16	15° \mathbb{M} 53'00	20°44'02	morning max el	6709 Sep 07 02:59	26° Ω 49'33	22°19'15
asc. node	6708 Oct 04 01:31	27° \mathbb{M} 11'33			6709 Sep 10 04:36	0° \mathbb{M}	
	6708 Oct 05 18:08	0° Ω		asc. node	6709 Sep 20 22:33	15° \mathbb{M} 52'29	
morning set	6708 Oct 14 09:44	16° Ω 36'24			6709 Sep 28 03:43	0° Ω	
	6708 Oct 20 20:39	0° \mathbb{M}		morning set	6709 Sep 28 20:04	1° Ω 25'32	
superior conj	6708 Oct 21 20:37	2° \mathbb{M} 03'00	1°40'37	superior conj	6709 Oct 05 22:41	16° Ω 33'21	1°42'12
minimum elong	6708 Oct 21 21:39	2° \mathbb{M} 08'15	1°40'37	minimum elong	6709 Oct 05 22:22	16° Ω 31'36	1°42'14
max. Earth dist.	6708 Oct 26 19:03	11° \mathbb{M} 55'08	1.35940 AU	max. Earth dist.	6709 Oct 09 10:19	23° Ω 49'57	1.34263 AU
evening rise	6708 Oct 30 18:22	19° \mathbb{M} 28'33			6709 Oct 12 11:36	0° \mathbb{M}	
	6708 Nov 05 15:39	0° \mathbb{M}		evening rise	6709 Oct 13 23:32	2° \mathbb{M} 56'25	
desc. node	6708 Nov 08 13:27	4° \mathbb{M} 54'28		desc. node	6709 Oct 26 10:27	25° \mathbb{M} 07'01	
	6708 Nov 25 13:50	0° \mathbb{M}			6709 Oct 29 12:33	0° \mathbb{M}	
evening max el	6708 Dec 05 07:54	11° \mathbb{M} 08'33	26°14'13	evening max el	6709 Nov 17 20:45	24° \mathbb{M} 45'00	27°02'53
retrograde	6708 Dec 18 01:10	18° \mathbb{M} 19'59			6709 Nov 24 13:15	0° \mathbb{M}	
evening set	6708 Dec 24 07:44	15° \mathbb{M} 46'45		retrograde	6709 Dec 01 03:42	2° \mathbb{M} 04'02	
min. Earth dist.	6708 Dec 28 12:27	11° \mathbb{M} 22'29	0.66658 AU		6709 Dec 07 03:09	30° \mathbb{M} 00'00	
inferior conj	6708 Dec 30 02:40	9° \mathbb{M} 25'14	-0°18'44	evening set	6709 Dec 07 21:30	29° \mathbb{M} 25'49	
minimum elong	6708 Dec 30 03:10	9° \mathbb{M} 23'42	0°18'28	min. Earth dist.	6709 Dec 11 20:04	25° \mathbb{M} 36'16	0.65394 AU
asc. node	6708 Dec 31 00:48	8° \mathbb{M} 17'51		inferior conj	6709 Dec 13 22:01	23° \mathbb{M} 14'50	-1°20'47
morning rise	6709 Jan 04 23:15	3° \mathbb{M} 38'08		minimum elong	6709 Dec 14 00:22	23° \mathbb{M} 08'09	1°19'45
direct	6709 Jan 08 01:15	2° \mathbb{M} 44'11		asc. node	6709 Dec 17 21:50	19° \mathbb{M} 10'21	
morning max el	6709 Jan 14 17:37	6° \mathbb{M} 22'35	18°40'43	morning rise	6709 Dec 20 04:23	17° \mathbb{M} 39'56	
	6709 Jan 31 11:15	0° \mathbb{M}		direct	6709 Dec 22 21:29	17° \mathbb{M} 00'16	
morning set	6709 Feb 04 20:55	6° \mathbb{M} 55'42		morning max el	6709 Dec 29 08:36	20° \mathbb{M} 26'58	18°06'55
desc. node	6709 Feb 04 12:42	6° \mathbb{M} 23'22			6710 Jan 05 16:52	0° \mathbb{M}	
	6709 Feb 19 13:46	0° \mathbb{M}		morning set	6710 Jan 16 17:06	17° \mathbb{M} 41'45	
max. Earth dist.	6709 Feb 20 11:33	1° \mathbb{M} 25'19	1.45355 AU	desc. node	6710 Jan 22 09:42	26° \mathbb{M} 58'10	
					6710 Jan 24 06:47	0° \mathbb{M}	
superior conj	6709 Feb 21 03:26	2° \mathbb{M} 27'33	-1°41'04	superior conj	6710 Jan 31 09:25	11° \mathbb{M} 19'51	-1°00'42
minimum elong	6709 Feb 20 17:58	1° \mathbb{M} 50'27	1°40'11	minimum elong	6710 Jan 31 02:11	10° \mathbb{M} 51'17	0°59'44
evening rise	6709 Mar 08 15:44	27° \mathbb{M} 01'03		max. Earth dist.	6710 Feb 03 06:59	15° \mathbb{M} 53'39	1.45313 AU
	6709 Mar 10 12:25	0° \mathbb{M}			6710 Feb 12 07:58	0° \mathbb{M}	
greatest brilliancy	6709 Mar 16 09:21	9° \mathbb{M} 23'33	-0.9m	evening rise	6710 Feb 16 14:53	6° \mathbb{M} 39'21	
asc. node	6709 Mar 29 00:00	27° \mathbb{M} 31'12		greatest brilliancy	6710 Mar 01 11:07	26° \mathbb{M} 22'19	-0.7m
evening max el	6709 Mar 30 00:56	28° \mathbb{M} 37'33	18°46'42		6710 Mar 03 21:54	0° \mathbb{M}	
	6709 Mar 31 12:27	0° \mathbb{M}		evening max el	6710 Mar 13 08:06	12° \mathbb{M} 12'02	19°32'53
retrograde	6709 Apr 05 17:05	2° \mathbb{M} 19'43		asc. node	6710 Mar 15 21:02	14° \mathbb{M} 28'02	
evening set	6709 Apr 08 23:41	1° \mathbb{M} 18'11		retrograde	6710 Mar 20 14:22	16° \mathbb{M} 21'47	
	6709 Apr 10 16:31	30° \mathbb{M} 00'00		evening set	6710 Mar 24 04:39	15° \mathbb{M} 06'08	
inferior conj	6709 Apr 14 14:39	25° \mathbb{M} 38'04	3°28'02	inferior conj	6710 Mar 29 14:56	9° \mathbb{M} 10'59	3°19'57
minimum elong	6709 Apr 14 14:29	25° \mathbb{M} 38'35	3°28'00	minimum elong	6710 Mar 29 13:37	9° \mathbb{M} 15'19	3°19'48
min. Earth dist.	6709 Apr 16 10:25	23° \mathbb{M} 22'53	0.65518 AU	min. Earth dist.	6710 Mar 30 19:44	7° \mathbb{M} 36'05	0.66845 AU
morning rise	6709 Apr 20 04:44	19° \mathbb{M} 22'22		morning rise	6710 Apr 03 22:17	2° \mathbb{M} 54'33	
direct	6709 Apr 26 17:51	16° \mathbb{M} 33'58		direct	6710 Apr 10 01:00	0° \mathbb{M} 11'15	
desc. node	6709 May 03 12:04	18° \mathbb{M} 55'55		desc. node	6710 Apr 20 09:05	5° \mathbb{M} 38'22	
morning max el	6709 May 09 22:58	24° \mathbb{M} 22'31	26°52'27	morning max el	6710 Apr 22 08:45	7° \mathbb{M} 33'30	25°41'00
	6709 May 15 00:30	0° \mathbb{M}			6710 May 09 20:25	0° \mathbb{M}	
	6709 Jun 04 14:15	0° \mathbb{M}			6710 May 28 01:47	0° \mathbb{M}	
morning set	6709 Jun 14 17:57	18° \mathbb{M} 14'21		morning set	6710 May 28 12:34	0° \mathbb{M} 49'04	
max. Earth dist.	6709 Jun 19 01:33	26° \mathbb{M} 42'08	1.34133 AU	max. Earth dist.	6710 Jun 01 06:40	7° \mathbb{M} 48'59	1.35842 AU
	6709 Jun 20 16:38	0° \mathbb{M}					
superior conj	6709 Jun 23 07:37	5° \mathbb{M} 25'07	-0°16'49	superior conj	6710 Jun 07 00:14	19° \mathbb{M} 02'03	-0°47'30
minimum elong	6709 Jun 23 08:31	5° \mathbb{M} 29'52	0°16'40	minimum elong	6710 Jun 07 02:59	19° \mathbb{M} 15'49	0°47'02
asc. node	6709 Jun 24 23:13	8° \mathbb{M} 52'42		asc. node	6710 Jun 11 20:15	28° \mathbb{M} 52'39	
evening rise	6709 Jun 30 17:40	21° \mathbb{M} 03'23			6710 Jun 12 09:21	0° \mathbb{M}	
	6709 Jul 05 03:03	0° \mathbb{M}		evening rise	6710 Jun 15 00:08	5° \mathbb{M} 21'58	
evening max el	6709 Jul 20 13:12	23° \mathbb{M} 24'17	21°23'51		6710 Jun 28 22:51	0° \mathbb{M}	
desc. node	6709 Jul 30 11:18	29° \mathbb{M} 13'43		evening max el	6710 Jul 02 19:08	4° \mathbb{M} 26'21	20°04'46
retrograde	6709 Aug 01 17:14	29° \mathbb{M} 25'52		retrograde	6710 Jul 13 07:16	9° \mathbb{M} 36'00	
evening set	6709 Aug 04 03:31	29° \mathbb{M} 12'17		evening set	6710 Jul 15 04:51	9° \mathbb{M} 26'36	
inferior conj	6709 Aug 13 10:39	25° \mathbb{M} 13'26	-3°55'40	desc. node	6710 Jul 17 08:21	8° \mathbb{M} 54'56	
minimum elong	6709 Aug 13 01:26	25° \mathbb{M} 26'21	3°53'04	inferior conj	6710 Jul 24 06:18	5° \mathbb{M} 27'32	-2°04'48

































































































































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min. Earth dist.	6710 Jul 26 00:52	4°Ω23'54	0.55084 AU	minimum elong	6711 Jul 04 16:43	16°Ω09'27	0°08'42
morning rise	6710 Aug 01 18:35	1°Ω11'20		transit middle	6711 Jul 04 16:43	16°Ω09'27	0°08'42
direct	6710 Aug 06 01:18	0°Ω31'24		transit begin	6711 Jul 04 13:31	16°Ω14'54	
morning max el	6710 Aug 19 17:15	7°Ω13'54	24°04'00	transit end	6711 Jul 04 19:54	16°Ω03'59	
	6710 Sep 05 02:37	0°Π		min. Earth dist.	6711 Jul 07 15:30	14°Ω08'58	0.56337 AU
asc. node	6710 Sep 07 19:34	5°Π03'58		morning rise	6711 Jul 12 21:27	11°Ω17'22	
morning set	6710 Sep 13 07:43	16°Π16'38		direct	6711 Jul 18 01:28	10°Ω14'57	
	6710 Sep 19 15:50	0°Ω		morning max el	6711 Aug 01 06:42	17°Ω32'39	25°43'24
					6711 Aug 11 13:40	0°Ω	
superior conj	6710 Sep 20 06:09	1°Ω17'47	1°37'25	asc. node	6711 Aug 25 16:36	24°Ω38'11	
minimum elong	6710 Sep 20 04:45	1°Ω10'13	1°37'20		6711 Aug 28 06:45	0°Π	
max. Earth dist.	6710 Sep 22 10:05	5°Ω57'53	1.33004 AU	morning set	6711 Aug 28 19:05	1°Π05'19	
evening rise	6710 Sep 27 16:17	16°Ω55'53					
	6710 Oct 04 11:31	0°Π		superior conj	6711 Sep 04 16:47	16°Π09'29	1°27'01
desc. node	6710 Oct 13 07:29	14°Π56'07		minimum elong	6711 Sep 04 14:44	15°Π58'09	1°26'46
	6710 Oct 24 01:08	0°♂		max. Earth dist.	6711 Sep 05 16:51	18°Π21'57	1.32193 AU
evening max el	6710 Oct 31 08:34	8°♂02'02	27°26'51		6711 Sep 11 02:27	0°Ω	
retrograde	6710 Nov 13 23:59	15°♂20'24		evening rise	6711 Sep 11 17:27	1°Ω18'12	
evening set	6710 Nov 21 01:24	12°♂45'24			6711 Sep 27 10:14	0°Π	
min. Earth dist.	6710 Nov 24 19:03	9°♂28'17	0.63797 AU	desc. node	6711 Sep 30 04:33	4°Π12'08	
inferior conj	6710 Nov 27 08:33	6°♂50'36	-2°26'39	evening max el	6711 Oct 13 17:13	20°Π46'49	27°20'03
minimum elong	6710 Nov 27 13:00	6°♂39'10	2°24'53	retrograde	6711 Oct 27 12:59	27°Π59'56	
morning rise	6710 Dec 04 02:15	1°♂30'47		evening set	6711 Nov 03 16:01	25°Π38'34	
asc. node	6710 Dec 04 18:53	1°♂16'34		min. Earth dist.	6711 Nov 07 07:44	22°Π47'58	0.61919 AU
direct	6710 Dec 06 12:47	1°♂01'26		inferior conj	6711 Nov 10 07:17	20°Π05'02	-3°32'49
morning max el	6710 Dec 13 01:41	4°♂25'46	17°50'14	minimum elong	6711 Nov 10 13:32	19°Π50'45	3°30'44
morning set	6710 Dec 29 16:35	29°♂47'19		morning rise	6711 Nov 17 13:03	15°Π03'40	
	6710 Dec 29 19:33	0°♂		direct	6711 Nov 19 19:57	14°Π40'59	
desc. node	6711 Jan 09 06:42	17°♂40'05		asc. node	6711 Nov 21 15:55	14°Π56'01	
				morning max el	6711 Nov 26 17:46	18°Π11'09	17°51'37
superior conj	6711 Jan 11 08:44	21°♂05'22	-0°14'51		6711 Dec 05 05:47	0°♂	
minimum elong	6711 Jan 11 07:06	20°♂58'38	0°14'33	morning set	6711 Dec 12 13:01	12°♂52'44	
behind sun begin	6711 Jan 11 02:51	20°♂41'17			6711 Dec 22 04:36	0°♂	
behind sun end	6711 Jan 11 11:20	21°♂15'58					
	6711 Jan 16 21:28	0°≈		superior conj	6711 Dec 23 09:51	2°♂05'45	0°26'53
max. Earth dist.	6711 Jan 17 01:15	0°≈15'04	1.44547 AU	minimum elong	6711 Dec 23 12:12	2°♂15'51	0°26'36
evening rise	6711 Jan 27 02:08	15°≈55'15		desc. node	6711 Dec 27 03:44	8°♂25'51	
	6711 Feb 05 08:59	0°♂		max. Earth dist.	6711 Dec 30 16:24	14°♂15'09	1.43147 AU
evening max el	6711 Feb 24 10:04	25°♂48'16	20°33'51	evening rise	6712 Jan 06 16:58	25°♂27'45	
	6711 Mar 01 23:14	0°♀			6712 Jan 09 15:11	0°≈	
asc. node	6711 Mar 02 18:05	0°♀17'10			6712 Jan 30 08:30	0°♂	
retrograde	6711 Mar 04 12:47	0°♀33'44		evening max el	6712 Feb 07 06:41	9°♂26'01	21°46'06
	6711 Mar 06 23:16	30°♀		retrograde	6712 Feb 16 10:18	14°♂51'36	
evening set	6711 Mar 08 12:00	29°♀03'20		asc. node	6712 Feb 17 15:09	14°♂44'03	
inferior conj	6711 Mar 13 20:04	22°♀55'19	3°00'17	evening set	6712 Feb 20 19:55	13°♂05'51	
minimum elong	6711 Mar 13 18:01	23°♀02'19	2°59'53	inferior conj	6712 Feb 26 03:47	6°♂47'42	2°30'52
min. Earth dist.	6711 Mar 14 11:04	22°♀03'56	0.67732 AU	minimum elong	6712 Feb 26 01:27	6°♂55'48	2°30'15
morning rise	6711 Mar 18 23:49	16°♀40'33		min. Earth dist.	6712 Feb 26 06:11	6°♂39'22	0.68193 AU
direct	6711 Mar 24 13:28	14°♀11'39		morning rise	6712 Mar 02 06:49	0°♂36'05	
morning max el	6711 Apr 04 17:30	20°♀52'31	24°15'30		6712 Mar 03 00:39	30°♀≈	
desc. node	6711 Apr 07 06:05	23°♀34'18		direct	6712 Mar 07 06:11	28°≈27'33	
	6711 Apr 12 13:59	0°♀			6712 Mar 11 22:48	0°♂	
	6711 May 03 01:47	0°♂		morning max el	6712 Mar 17 03:23	4°♂17'58	22°45'56
morning set	6711 May 10 11:35	12°♂25'33		desc. node	6712 Mar 24 03:05	12°♂22'54	
max. Earth dist.	6711 May 14 03:35	18°♂54'19	1.37914 AU		6712 Apr 05 19:10	0°♀	
	6711 May 20 03:33	0°Π		morning set	6712 Apr 20 09:09	22°♀47'53	
					6712 Apr 24 16:12	0°♂	
superior conj	6711 May 21 05:18	2°Π02'51	-1°17'53	max. Earth dist.	6712 Apr 24 23:53	0°♂32'47	1.40142 AU
minimum elong	6711 May 21 09:49	2°Π24'31	1°17'15				
asc. node	6711 May 29 17:18	18°Π43'37		superior conj	6712 May 02 18:29	14°♂16'09	-1°45'00
evening rise	6711 May 30 00:28	19°Π19'05		minimum elong	6712 May 02 23:54	14°♂40'50	1°44'29
	6711 Jun 04 13:33	0°Ω			6712 May 11 04:37	0°Π	
evening max el	6711 Jun 15 13:47	16°Ω13'04	19°05'29	evening rise	6712 May 12 15:27	2°Π45'31	
retrograde	6711 Jun 24 09:40	20°Ω33'30		asc. node	6712 May 15 14:21	8°Π20'11	
evening set	6711 Jun 26 08:48	20°Ω21'31		evening max el	6712 May 28 18:05	28°Π37'43	18°26'43
desc. node	6711 Jul 04 05:23	16°Ω28'46			6712 May 30 07:13	0°Ω	

retrograde	6712 Jun 05 07:09	2°♄22'50		evening max el	6713 May 12 04:26	11°♄31'32	18°07'59
evening set	6712 Jun 07 12:53	2°♄03'58		retrograde	6713 May 18 22:33	14°♄57'28	
	6712 Jun 11 17:59	30°♄		evening set	6713 May 21 11:25	14°♄28'47	
inferior conj	6712 Jun 15 01:08	27°♄31'18	1°26'09	inferior conj	6713 May 28 06:00	9°♄35'38	2°31'30
minimum elong	6712 Jun 15 03:53	27°♄25'45	1°25'11	minimum elong	6713 May 28 09:10	9°♄28'11	2°30'40
min. Earth dist.	6712 Jun 18 10:40	24°♄48'55	0.58235 AU	min. Earth dist.	6713 May 31 12:49	6°♄32'53	0.60434 AU
desc. node	6712 Jun 20 02:25	23°♄36'59		morning rise	6713 Jun 04 04:25	3°♄43'54	
morning rise	6712 Jun 22 15:38	22°♄05'11		desc. node	6713 Jun 06 23:26	2°♄19'34	
direct	6712 Jun 28 15:31	20°♄32'03		direct	6713 Jun 10 18:01	1°♄38'07	
morning max el	6712 Jul 13 00:50	28°♄13'21	27°01'21	morning max el	6713 Jun 25 01:48	9°♄34'18	27°45'51
	6712 Jul 14 18:43	0°♄			6713 Jul 10 19:47	0°♄	
	6712 Aug 04 05:32	0°♄		morning set	6713 Jul 27 10:07	0°♄13'09	
asc. node	6712 Aug 11 13:37	14°♄27'56			6713 Jul 27 07:35	0°♄	
morning set	6712 Aug 12 04:28	15°♄45'51		asc. node	6713 Jul 29 10:40	4°♄28'03	
	6712 Aug 18 17:30	0°♄		max. Earth dist.	6713 Aug 02 13:40	13°♄24'16	1.31878 AU
superior conj	6712 Aug 19 04:36	1°♄01'26	1°11'36	superior conj	6713 Aug 03 15:49	15°♄48'12	0°51'37
minimum elong	6712 Aug 19 02:19	0°♄48'50	1°11'12	minimum elong	6713 Aug 03 13:48	15°♄37'06	0°51'12
max. Earth dist.	6712 Aug 19 03:20	0°♄54'28	1.31819 AU	evening rise	6713 Aug 10 10:27	0°♄38'12	
evening rise	6712 Aug 26 00:14	15°♄54'30			6713 Aug 10 03:19	0°♄	
	6712 Sep 02 00:44	0°♄			6713 Aug 26 08:34	0°♄	
desc. node	6712 Sep 16 01:37	22°♄41'13		desc. node	6713 Sep 02 22:39	10°♄04'47	
	6712 Sep 22 02:09	0°♄		evening max el	6713 Sep 06 14:13	13°♄54'52	25°27'42
evening max el	6712 Sep 24 19:44	2°♄46'12	26°39'29	retrograde	6713 Sep 20 12:25	20°♄58'16	
retrograde	6712 Oct 08 17:35	9°♄54'02		evening set	6713 Sep 26 11:20	19°♄36'05	
evening set	6712 Oct 15 12:56	7°♄57'31		min. Earth dist.	6713 Oct 01 02:04	16°♄57'50	0.57818 AU
min. Earth dist.	6712 Oct 19 09:29	5°♄21'55	0.59861 AU	inferior conj	6713 Oct 04 03:25	14°♄51'13	-5°15'43
inferior conj	6712 Oct 22 14:41	2°♄48'26	-4°32'53	minimum elong	6713 Oct 04 07:34	14°♄44'00	5°15'16
minimum elong	6712 Oct 22 21:23	2°♄35'02	4°31'19	morning rise	6713 Oct 12 06:07	10°♄34'59	
	6712 Oct 26 09:50	30°♄		direct	6713 Oct 14 16:41	10°♄16'51	
morning rise	6712 Oct 30 08:01	28°♄08'54		morning max el	6713 Oct 23 09:23	14°♄25'39	18°54'00
direct	6712 Nov 01 14:46	27°♄49'46		asc. node	6713 Oct 25 09:58	16°♄34'16	
	6712 Nov 07 09:41	0°♄			6713 Nov 03 04:40	0°♄	
asc. node	6712 Nov 07 12:56	0°♄06'10		morning set	6713 Nov 08 21:50	10°♄54'51	
morning max el	6712 Nov 09 05:30	1°♄34'21	18°12'23	superior conj	6713 Nov 17 08:36	27°♄24'23	1°22'40
morning set	6712 Nov 25 00:20	26°♄39'49		minimum elong	6713 Nov 17 11:46	27°♄39'25	1°22'23
	6712 Nov 26 18:43	0°♄			6713 Nov 18 17:28	0°♄	
superior conj	6712 Dec 04 11:29	14°♄17'04	0°59'43	max. Earth dist.	6713 Nov 24 08:45	10°♄19'29	1.39147 AU
minimum elong	6712 Dec 04 15:09	14°♄33'36	0°59'16	evening rise	6713 Nov 28 06:00	17°♄06'01	
max. Earth dist.	6712 Dec 12 02:52	27°♄39'40	1.41269 AU	desc. node	6713 Nov 29 21:48	19°♄54'39	
desc. node	6712 Dec 13 00:47	29°♄12'03			6713 Dec 06 02:26	0°♄	
	6712 Dec 13 12:13	0°♄			6713 Dec 27 08:40	0°♄	
evening rise	6712 Dec 17 00:25	5°♄47'11		evening max el	6714 Jan 02 12:16	6°♄49'22	24°24'28
	6713 Jan 01 20:18	0°♄		retrograde	6714 Jan 13 21:14	13°♄29'09	
evening max el	6713 Jan 19 22:50	23°♄06'20	23°04'54	evening set	6714 Jan 19 07:14	11°♄13'38	
retrograde	6713 Jan 30 05:33	29°♄11'50		asc. node	6714 Jan 21 09:13	9°♄08'25	
asc. node	6713 Feb 03 12:11	27°♄39'38		min. Earth dist.	6714 Jan 23 22:53	5°♄54'37	0.67913 AU
evening set	6713 Feb 04 02:51	27°♄10'43		inferior conj	6714 Jan 24 19:22	4°♄45'57	1°07'18
min. Earth dist.	6713 Feb 09 02:52	21°♄17'49	0.68246 AU	minimum elong	6714 Jan 24 17:51	4°♄51'01	1°06'45
inferior conj	6713 Feb 09 12:10	20°♄45'44	1°52'58		6714 Jan 28 17:42	30°♄	
minimum elong	6713 Feb 09 10:00	20°♄53'10	1°52'16	morning rise	6714 Jan 30 04:35	28°♄44'52	
morning rise	6713 Feb 14 17:05	14°♄38'38		direct	6714 Feb 03 00:22	27°♄21'18	
direct	6713 Feb 19 02:13	12°♄52'50			6714 Feb 08 19:58	0°♄	
morning max el	6713 Feb 27 18:09	17°♄53'51	21°21'08	morning max el	6714 Feb 10 16:16	1°♄41'20	20°07'09
	6713 Mar 09 16:12	0°♄		desc. node	6714 Feb 25 21:06	21°♄44'14	
desc. node	6713 Mar 11 00:06	1°♄49'52			6714 Mar 03 09:36	0°♄	
	6713 Mar 29 22:03	0°♄		morning set	6714 Mar 10 01:05	10°♄09'29	
morning set	6713 Mar 31 02:47	1°♄53'03		max. Earth dist.	6714 Mar 20 10:23	26°♄27'35	1.43936 AU
max. Earth dist.	6713 Apr 07 01:41	13°♄05'01	1.42238 AU		6714 Mar 22 15:17	0°♄	
superior conj	6713 Apr 14 11:00	25°♄31'07	-2°04'25	superior conj	6714 Mar 26 02:49	5°♄39'34	-2°10'24
minimum elong	6713 Apr 14 15:02	25°♄48'29	2°04'15	minimum elong	6714 Mar 26 01:52	5°♄35'40	2°10'23
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evening rise	6713 Apr 25 17:13	15°♄32'18			6714 Apr 09 12:10	0°♄	
asc. node	6713 May 02 11:24	27°♄37'07		asc. node	6714 Apr 19 08:25	16°♄27'18	
	6713 May 03 21:00	0°♄		evening max el	6714 Apr 25 17:21	24°♄45'20	18°08'36

retrograde	6714 May 02 03:24	28°♄07'02		evening rise	6715 Mar 20 11:12	8°♃28'23	
evening set	6714 May 04 23:08	27°♄26'32			6715 Apr 02 20:22	0°♄	
inferior conj	6714 May 11 03:58	22°♄14'11	3°09'45	asc. node	6715 Apr 06 05:26	4°♄42'24	
minimum elong	6714 May 11 06:06	22°♄08'32	3°09'23	evening max el	6715 Apr 09 05:54	8°♄11'45	18°27'44
min. Earth dist.	6714 May 13 23:42	19°♄15'11	0.62621 AU	retrograde	6715 Apr 15 17:19	11°♄42'41	
morning rise	6714 May 17 11:29	16°♄07'29		evening set	6715 Apr 18 19:53	10°♄49'02	
direct	6714 May 24 06:47	13°♄35'21		inferior conj	6715 Apr 24 14:56	5°♄18'50	3°26'19
desc. node	6714 May 24 20:26	13°♄36'21		minimum elong	6715 Apr 24 15:34	5°♄16'57	3°26'14
morning max el	6714 Jun 07 08:18	21°♄37'37	27°52'22	min. Earth dist.	6715 Apr 26 19:46	2°♄43'37	0.64570 AU
	6714 Jun 14 15:25	0°♄			6715 Apr 29 09:43	30°♄	
	6714 Jul 03 22:40	0°♄		morning rise	6715 Apr 30 10:26	29°♄05'06	
morning set	6714 Jul 11 09:57	14°♄20'51		direct	6715 May 07 03:44	26°♄18'40	
asc. node	6714 Jul 16 07:41	24°♄33'52		desc. node	6715 May 11 17:27	27°♄23'55	
max. Earth dist.	6714 Jul 16 19:51	25°♄38'56	1.32379 AU		6715 May 15 23:03	0°♄	
	6714 Jul 18 20:12	0°♄		morning max el	6715 May 20 17:47	4°♄15'43	27°22'58
					6715 Jun 09 04:10	0°♄	
superior conj	6714 Jul 19 00:40	0°♄24'17	0°27'37	morning set	6715 Jun 25 01:17	28°♄00'27	
minimum elong	6714 Jul 18 23:24	0°♄17'27	0°27'19		6715 Jun 26 01:34	0°♄	
evening rise	6714 Jul 25 22:07	15°♄23'12		max. Earth dist.	6715 Jun 29 18:02	7°♄27'30	1.33356 AU
	6714 Aug 02 03:48	0°♄					
evening max el	6714 Aug 19 02:48	24°♄24'15	23°54'56	superior conj	6715 Jul 03 05:08	14°♄42'57	0°00'12
desc. node	6714 Aug 20 19:40	25°♄57'29		minimum elong	6715 Jul 03 05:08	14°♄42'54	0°00'09
	6714 Aug 27 00:06	0°♄		behind sun begin	6715 Jul 02 23:40	14°♄13'54	
retrograde	6714 Sep 01 19:42	1°♄17'00		behind sun end	6715 Jul 03 10:36	15°♄11'56	
evening set	6714 Sep 06 09:25	0°♄30'59		asc. node	6715 Jul 03 04:42	14°♄40'35	
	6714 Sep 07 18:55	30°♄		evening rise	6715 Jul 10 09:21	0°♄02'56	
min. Earth dist.	6714 Sep 12 13:16	27°♄31'21	0.56082 AU		6715 Jul 10 08:48	0°♄	
inferior conj	6714 Sep 14 19:57	26°♄08'05	-5°24'44		6715 Jul 27 11:44	0°♄	
minimum elong	6714 Sep 14 17:55	26°♄11'12	5°24'38	evening max el	6715 Jul 31 16:23	4°♄42'10	22°16'45
morning rise	6714 Sep 23 04:44	22°♄11'18		desc. node	6715 Aug 07 16:41	9°♄46'15	
direct	6714 Sep 25 23:13	21°♄51'44		retrograde	6715 Aug 13 14:24	11°♄07'23	
morning max el	6714 Oct 06 02:15	26°♄35'59	19°57'38	evening set	6715 Aug 16 16:14	10°♄46'29	
	6714 Oct 09 05:55	0°♄		min. Earth dist.	6715 Aug 24 22:33	7°♄11'15	0.54985 AU
asc. node	6714 Oct 12 07:00	4°♄05'16		inferior conj	6715 Aug 25 19:22	6°♄41'57	-4°43'29
morning set	6714 Oct 24 02:16	25°♄28'58		minimum elong	6715 Aug 25 11:08	6°♄53'33	4°41'49
	6714 Oct 26 07:25	0°♄		morning rise	6715 Sep 03 07:43	2°♄52'57	
				direct	6715 Sep 06 13:34	2°♄29'18	
superior conj	6714 Oct 31 20:09	11°♄13'31	1°36'24	morning max el	6715 Sep 18 06:24	7°♄58'07	21°22'33
minimum elong	6714 Oct 31 22:01	11°♄22'50	1°36'20	asc. node	6715 Sep 29 04:02	22°♄24'10	
max. Earth dist.	6714 Nov 06 14:15	22°♄24'36	1.37048 AU		6715 Oct 03 08:48	0°♄	
evening rise	6714 Nov 10 09:04	29°♄23'10		morning set	6715 Oct 08 11:02	10°♄14'11	
	6714 Nov 10 17:15	0°♄					
desc. node	6714 Nov 16 18:50	10°♄29'56		superior conj	6715 Oct 15 17:52	25°♄31'23	1°42'07
	6714 Nov 29 09:10	0°♄		minimum elong	6715 Oct 15 18:17	25°♄33'35	1°42'09
evening max el	6714 Dec 16 01:05	20°♄35'10	25°37'49		6715 Oct 17 22:01	0°♄	
retrograde	6714 Dec 28 08:23	27°♄38'37		max. Earth dist.	6715 Oct 20 01:04	4°♄17'38	1.35182 AU
evening set	6715 Jan 03 07:26	25°♄10'59		evening rise	6715 Oct 24 05:54	12°♄28'17	
min. Earth dist.	6715 Jan 07 15:58	20°♄26'21	0.67216 AU		6715 Nov 03 03:09	0°♄	
asc. node	6715 Jan 08 06:14	19°♄40'59		desc. node	6715 Nov 03 15:51	0°♄52'23	
inferior conj	6715 Jan 08 23:34	18°♄45'32	0°14'34		6715 Nov 24 11:31	0°♄	
minimum elong	6715 Jan 08 23:12	18°♄46'43	0°14'28	evening max el	6715 Nov 28 14:13	4°♄18'02	26°37'38
transit middle	6715 Jan 08 23:12	18°♄46'43	0°14'28	retrograde	6715 Dec 11 14:06	11°♄33'33	
transit begin	6715 Jan 08 21:57	18°♄50'42		evening set	6715 Dec 18 01:36	8°♄57'45	
transit end	6715 Jan 09 00:27	18°♄42'44		min. Earth dist.	6715 Dec 22 03:45	4°♄48'03	0.66160 AU
morning rise	6715 Jan 14 15:23	12°♄52'25		inferior conj	6715 Dec 23 22:48	2°♄40'02	-0°44'27
direct	6715 Jan 17 23:20	11°♄48'36		minimum elong	6715 Dec 24 00:02	2°♄36'19	0°43'52
morning max el	6715 Jan 24 22:11	15°♄39'05	19°07'37	asc. node	6715 Dec 26 03:17	0°♄09'30	
	6715 Feb 04 21:13	0°♄			6715 Dec 26 06:50	30°♄	
greatest brilliancy	6715 Feb 07 14:33	4°♄05'20	-0.7m	morning rise	6715 Dec 29 23:17	26°♄57'28	
desc. node	6715 Feb 12 18:06	11°♄58'42		direct	6716 Jan 01 21:16	26°♄09'58	
morning set	6715 Feb 17 03:16	18°♄45'47		morning max el	6716 Jan 08 10:29	29°♄42'15	18°24'14
	6715 Feb 24 08:36	0°♄			6716 Jan 08 17:32	0°♄	
max. Earth dist.	6715 Mar 03 01:16	10°♄29'01	1.45040 AU	morning set	6716 Jan 28 06:11	28°♄40'11	
					6716 Jan 29 02:10	0°♄	
superior conj	6715 Mar 05 19:03	14°♄48'31	-1°57'33	desc. node	6716 Jan 30 15:07	2°♄27'25	
minimum elong	6715 Mar 05 11:32	14°♄18'48	1°57'04				
	6715 Mar 15 06:42	0°♄		superior conj	6716 Feb 12 23:04	23°♄30'57	-1°25'21

minimum elong	6716 Feb 12 13:44	22° \approx 54'24	1°24'19	max. Earth dist.	6717 Jan 26 16:01	9° \approx 23'06	1.45071 AU
max. Earth dist.	6716 Feb 13 20:14	24° \approx 53'54	1.45429 AU	evening rise	6717 Feb 07 14:24	27° \approx 56'55	
	6716 Feb 17 02:25	0° \mathbb{H}			6717 Feb 08 22:25	0° \mathbb{H}	
evening rise	6716 Feb 28 21:57	18° \mathbb{H} 32'22		greatest brilliancy	6717 Feb 22 00:14	19° \mathbb{H} 46'55	-0.6m
	6716 Mar 07 04:39	0° \mathbb{Y}			6717 Mar 01 07:30	0° \mathbb{Y}	
greatest brilliancy	6716 Mar 10 01:12	4° \mathbb{Y} 27'11	-0.8m	evening max el	6717 Mar 05 20:42	5° \mathbb{Y} 20'17	19°57'13
evening max el	6716 Mar 22 15:39	21° \mathbb{Y} 45'01	19°04'27	asc. node	6717 Mar 09 23:31	8° \mathbb{Y} 41'53	
asc. node	6716 Mar 23 02:28	22° \mathbb{Y} 11'52		retrograde	6717 Mar 13 10:49	9° \mathbb{Y} 44'17	
retrograde	6716 Mar 29 12:46	25° \mathbb{Y} 37'17		evening set	6717 Mar 17 04:50	8° \mathbb{Y} 22'11	
evening set	6716 Apr 01 22:36	24° \mathbb{Y} 29'42		inferior conj	6717 Mar 22 13:52	2° \mathbb{Y} 21'08	3°12'53
inferior conj	6716 Apr 07 11:14	18° \mathbb{Y} 43'07	3°26'09	minimum elong	6717 Mar 22 12:12	2° \mathbb{Y} 26'46	3°12'38
minimum elong	6716 Apr 07 10:32	18° \mathbb{Y} 45'20	3°26'05	min. Earth dist.	6717 Mar 23 12:33	1° \mathbb{Y} 04'57	0.67272 AU
min. Earth dist.	6716 Apr 09 00:31	16° \mathbb{Y} 44'28	0.66138 AU		6717 Mar 24 08:14	30° \mathbb{R} \mathbb{H}	
morning rise	6716 Apr 12 22:06	12° \mathbb{Y} 27'03		morning rise	6717 Mar 27 19:21	26° \mathbb{H} 05'23	
direct	6716 Apr 19 07:21	9° \mathbb{Y} 39'27		direct	6717 Apr 02 16:40	23° \mathbb{H} 27'33	
desc. node	6716 Apr 27 14:27	13° \mathbb{Y} 12'10			6717 Apr 13 23:55	0° \mathbb{Y}	
morning max el	6716 May 02 03:55	17° \mathbb{Y} 18'00	26°24'29	desc. node	6717 Apr 14 11:29	0° \mathbb{Y} 28'50	
	6716 May 12 18:10	0° \mathbb{B}		morning max el	6717 Apr 14 13:15	0° \mathbb{Y} 33'18	25°05'55
	6716 Jun 01 02:21	0° \mathbb{II}			6717 May 06 16:45	0° \mathbb{B}	
morning set	6716 Jun 07 04:43	11° \mathbb{II} 02'39		morning set	6717 May 20 15:42	23° \mathbb{B} 14'25	
max. Earth dist.	6716 Jun 11 05:40	18° \mathbb{II} 48'11	1.34812 AU		6717 May 24 08:40	0° \mathbb{II}	
				max. Earth dist.	6717 May 24 07:06	29° \mathbb{B} 52'41	1.36694 AU
superior conj	6716 Jun 16 02:56	28° \mathbb{II} 37'54	-0°29'41	superior conj	6717 May 30 15:06	12° \mathbb{II} 00'37	-1°00'32
minimum elong	6716 Jun 16 04:36	28° \mathbb{II} 46'27	0°29'24	minimum elong	6717 May 30 18:38	12° \mathbb{II} 18'03	0°59'59
	6716 Jun 16 18:53	0° \mathbb{E}		asc. node	6717 Jun 05 22:45	24° \mathbb{II} 41'23	
asc. node	6716 Jun 19 01:43	4° \mathbb{E} 44'36		evening rise	6717 Jun 07 22:28	28° \mathbb{II} 42'35	
evening rise	6716 Jun 23 18:15	14° \mathbb{E} 31'51			6717 Jun 08 13:52	0° \mathbb{E}	
	6716 Jul 01 16:18	0° \mathbb{O}		evening max el	6717 Jun 25 02:27	26° \mathbb{E} 42'37	19°36'55
evening max el	6716 Jul 12 15:02	15° \mathbb{O} 22'02	20°47'54		6717 Jun 29 08:48	0° \mathbb{O}	
retrograde	6716 Jul 24 02:30	21° \mathbb{O} 01'43		retrograde	6717 Jul 04 20:47	1° \mathbb{O} 30'35	
desc. node	6716 Jul 24 13:42	21° \mathbb{O} 01'11		evening set	6717 Jul 06 17:55	1° \mathbb{O} 20'41	
evening set	6716 Jul 26 05:26	20° \mathbb{O} 50'53			6717 Jul 10 18:46	30° \mathbb{R} \mathbb{E}	
inferior conj	6716 Aug 04 12:05	16° \mathbb{O} 53'54	-3°11'31	desc. node	6717 Jul 11 10:44	29° \mathbb{E} 40'21	
minimum elong	6716 Aug 04 03:41	17° \mathbb{O} 05'50	3°08'47	inferior conj	6717 Jul 15 12:52	27° \mathbb{E} 16'34	-1°14'16
min. Earth dist.	6716 Aug 05 08:29	16° \mathbb{O} 24'53	0.54777 AU	minimum elong	6717 Jul 15 09:29	27° \mathbb{E} 21'55	1°13'02
morning rise	6716 Aug 13 01:51	12° \mathbb{O} 53'46		min. Earth dist.	6717 Jul 17 21:00	25° \mathbb{E} 48'20	0.55522 AU
direct	6716 Aug 16 22:17	12° \mathbb{O} 21'58		morning rise	6717 Jul 23 22:41	22° \mathbb{E} 46'12	
morning max el	6716 Aug 30 00:02	18° \mathbb{O} 37'59	23°03'19	direct	6717 Jul 28 14:02	21° \mathbb{E} 58'16	
	6716 Sep 08 07:30	0° \mathbb{N}		morning max el	6717 Aug 11 13:15	28° \mathbb{E} 56'41	24°47'59
asc. node	6716 Sep 15 01:04	11° \mathbb{N} 19'29			6717 Aug 12 15:09	0° \mathbb{O}	
morning set	6716 Sep 21 22:10	25° \mathbb{N} 05'00		asc. node	6717 Sep 01 22:06	0° \mathbb{N} 41'44	
	6716 Sep 24 05:31	0° \mathbb{A}			6717 Sep 01 13:38	0° \mathbb{N}	
superior conj	6716 Sep 28 22:33	10° \mathbb{A} 08'34	1°40'54	morning set	6717 Sep 06 09:57	9° \mathbb{N} 56'12	
minimum elong	6716 Sep 28 21:43	10° \mathbb{A} 04'09	1°40'53	superior conj	6717 Sep 13 07:39	24° \mathbb{N} 57'13	1°33'39
max. Earth dist.	6716 Oct 01 20:16	16° \mathbb{A} 18'17	1.33683 AU	minimum elong	6717 Sep 13 05:55	24° \mathbb{N} 47'46	1°33'30
evening rise	6716 Oct 06 16:28	26° \mathbb{A} 10'50		max. Earth dist.	6717 Sep 14 23:29	28° \mathbb{N} 34'18	1.32606 AU
	6716 Oct 08 15:26	0° \mathbb{M}			6717 Sep 15 15:20	0° \mathbb{A}	
desc. node	6716 Oct 20 12:53	20° \mathbb{M} 55'58		evening rise	6717 Sep 20 13:10	10° \mathbb{A} 21'08	
	6716 Oct 26 12:07	0° \mathbb{J}			6717 Sep 30 22:34	0° \mathbb{M}	
evening max el	6716 Nov 10 02:59	17° \mathbb{J} 48'01	27°16'29	desc. node	6717 Oct 07 09:55	10° \mathbb{M} 32'43	
retrograde	6716 Nov 23 13:46	25° \mathbb{J} 06'36			6717 Oct 22 15:48	0° \mathbb{J}	
evening set	6716 Nov 30 11:29	22° \mathbb{J} 28'47		evening max el	6717 Oct 23 13:39	0° \mathbb{J} 52'52	27°27'52
min. Earth dist.	6716 Dec 04 07:51	18° \mathbb{J} 53'30	0.64757 AU	retrograde	6717 Nov 06 07:01	8° \mathbb{J} 09'17	
inferior conj	6716 Dec 06 14:43	16° \mathbb{J} 24'20	-1°48'28	evening set	6717 Nov 13 10:15	5° \mathbb{J} 38'24	
minimum elong	6716 Dec 06 17:57	16° \mathbb{J} 15'31	1°47'04	min. Earth dist.	6717 Nov 17 02:25	2° \mathbb{J} 33'57	0.63029 AU
asc. node	6716 Dec 12 00:20	11° \mathbb{J} 28'58		inferior conj	6717 Nov 19 20:40	29° \mathbb{M} 52'19	-2°54'59
morning rise	6716 Dec 13 01:45	10° \mathbb{J} 55'22		minimum elong	6717 Nov 20 01:58	29° \mathbb{M} 39'22	2°53'00
direct	6716 Dec 15 15:52	10° \mathbb{J} 20'25			6717 Nov 19 17:32	30° \mathbb{R} \mathbb{M}	
morning max el	6716 Dec 22 02:41	13° \mathbb{J} 44'43	17°57'42	morning rise	6717 Nov 26 19:30	24° \mathbb{M} 40'15	
	6717 Jan 02 13:52	0° \mathbb{Z}		asc. node	6717 Nov 28 21:25	24° \mathbb{M} 14'32	
morning set	6717 Jan 08 14:39	10° \mathbb{Z} 02'15		direct	6717 Nov 29 04:09	24° \mathbb{M} 14'09	
desc. node	6717 Jan 16 12:07	23° \mathbb{Z} 05'39		morning max el	6717 Dec 05 19:51	27° \mathbb{M} 39'38	17°48'37
	6717 Jan 20 18:28	0° \mathbb{A}			6717 Dec 07 22:27	0° \mathbb{J}	
superior conj	6717 Jan 22 10:29	2° \mathbb{A} 40'18	-0°41'14	morning set	6717 Dec 21 23:54	22° \mathbb{J} 36'06	
minimum elong	6717 Jan 22 05:35	2° \mathbb{A} 20'42	0°40'30		6717 Dec 26 05:35	0° \mathbb{Z}	

superior conj	6718 Jan 02 20:34	12° S 57'47	0°03'47	minimum elong	6718 Dec 15 11:51	24° A 44'08	0°41'36
minimum elong	6718 Jan 02 20:57	12° S 59'25	0°03'47		6718 Dec 18 12:50	0° S	
behind sun begin	6718 Jan 02 11:53	12° S 21'39		desc. node	6718 Dec 21 06:10	4° S 36'28	
behind sun end	6718 Jan 03 06:02	13° S 37'06		max. Earth dist.	6718 Dec 22 22:07	7° S 22'46	1.42390 AU
desc. node	6718 Jan 03 09:09	13° S 50'04		evening rise	6718 Dec 28 21:56	17° S 04'54	
max. Earth dist.	6718 Jan 09 09:26	23° S 38'27	1.44016 AU		6719 Jan 06 06:41	0° \approx	
	6718 Jan 13 09:29	0° \approx			6719 Jan 28 04:54	0° H	
evening rise	6718 Jan 18 01:16	7° \approx 15'26		evening max el	6719 Jan 30 14:39	2° H 34'49	22°19'09
	6718 Feb 02 05:48	0° H		retrograde	6719 Feb 09 06:00	8° H 18'20	
evening max el	6718 Feb 16 20:14	18° H 56'43	21°03'24	asc. node	6719 Feb 11 17:39	7° H 46'22	
asc. node	6718 Feb 24 20:35	23° H 57'57		evening set	6719 Feb 13 20:19	6° H 26'11	
retrograde	6718 Feb 25 09:12	23° H 59'25		inferior conj	6719 Feb 19 04:36	0° H 04'33	2°15'48
evening set	6718 Mar 01 12:39	22° H 22'26		minimum elong	6719 Feb 19 02:17	0° H 12'35	2°15'07
inferior conj	6718 Mar 06 20:22	16° H 09'28	2°48'55	min. Earth dist.	6719 Feb 19 01:59	0° H 13'39	0.68260 AU
minimum elong	6718 Mar 06 18:09	16° H 17'08	2°48'25		6719 Feb 19 05:55	30° R \approx	
min. Earth dist.	6718 Mar 07 05:49	15° H 36'48	0.67974 AU	morning rise	6719 Feb 24 08:07	23° \approx 54'24	
morning rise	6718 Mar 11 23:29	9° H 55'45		direct	6719 Mar 01 01:18	21° \approx 55'22	
direct	6718 Mar 17 06:59	7° H 35'15		morning max el	6719 Mar 10 09:46	27° \approx 24'44	22°08'46
morning max el	6718 Mar 27 22:18	13° H 55'43	23°37'23		6719 Mar 12 19:52	0° H	
desc. node	6718 Apr 01 08:30	18° H 49'24		desc. node	6719 Mar 19 05:31	7° H 55'43	
	6718 Apr 09 22:55	0° Y			6719 Apr 03 13:39	0° Y	
	6718 Apr 29 14:23	0° B		morning set	6719 Apr 12 14:07	14° Y 09'39	
morning set	6718 May 02 04:35	4° B 21'04		max. Earth dist.	6719 Apr 18 00:13	23° Y 05'23	1.41059 AU
max. Earth dist.	6718 May 06 02:50	11° B 08'12	1.38856 AU		6719 Apr 22 01:32	0° B	
superior conj	6718 May 13 13:55	24° B 42'02	-1°30'01	superior conj	6719 Apr 25 18:53	6° B 31'41	-1°54'31
minimum elong	6718 May 13 18:59	25° B 05'53	1°29'23	minimum elong	6719 Apr 26 00:05	6° B 54'52	1°54'07
	6718 May 16 09:00	0° II		evening rise	6719 May 06 05:05	25° B 38'07	
evening rise	6718 May 22 19:14	12° II 27'38			6719 May 08 13:26	0° II	
asc. node	6718 May 23 19:47	14° II 26'43		asc. node	6719 May 10 16:49	3° II 55'41	
	6718 Jun 01 09:32	0° E		evening max el	6719 May 22 08:58	21° II 25'00	18°16'28
evening max el	6718 Jun 08 01:35	8° E 46'12	18°46'29	retrograde	6719 May 29 12:33	24° II 59'49	
retrograde	6718 Jun 16 07:14	12° E 49'59		evening set	6719 May 31 21:20	24° II 37'07	
evening set	6718 Jun 18 08:42	12° E 35'40		inferior conj	6719 Jun 08 01:40	19° II 56'02	1°57'27
inferior conj	6718 Jun 26 08:26	8° E 14'54	0°34'54	minimum elong	6719 Jun 08 04:53	19° II 49'10	1°56'26
minimum elong	6718 Jun 26 09:46	8° E 12'28	0°34'22	min. Earth dist.	6719 Jun 11 11:39	17° II 01'44	0.59149 AU
desc. node	6718 Jun 28 07:47	6° E 47'47		morning rise	6719 Jun 15 09:22	14° II 17'46	
min. Earth dist.	6718 Jun 29 13:34	5° E 54'27	0.57081 AU	desc. node	6719 Jun 15 04:48	14° II 24'16	
morning rise	6718 Jul 04 07:22	3° E 07'30		direct	6719 Jun 21 16:12	12° II 30'04	
direct	6718 Jul 09 20:09	1° E 52'44		morning max el	6719 Jul 06 01:18	20° II 19'16	27°24'45
morning max el	6718 Jul 24 04:26	9° E 22'36	26°20'03		6719 Jul 14 08:50	0° E	
	6718 Aug 08 19:36	0° O			6719 Aug 01 14:33	0° O	
asc. node	6718 Aug 19 19:07	20° O 23'19		morning set	6719 Aug 06 04:42	9° O 18'21	
morning set	6718 Aug 21 20:40	24° O 42'16		asc. node	6719 Aug 06 16:07	10° O 18'23	
	6718 Aug 24 07:47	0° P					
superior conj	6718 Aug 28 19:00	9° P 50'03	1°21'04	superior conj	6719 Aug 13 06:48	24° O 41'17	1°03'40
minimum elong	6718 Aug 28 16:48	9° P 37'51	1°20'45	minimum elong	6719 Aug 13 04:35	24° O 28'58	1°03'15
max. Earth dist.	6718 Aug 29 08:08	11° P 02'35	1.31975 AU	max. Earth dist.	6719 Aug 12 18:53	23° O 35'18	1.31787 AU
evening rise	6718 Sep 04 17:00	24° P 50'16		evening rise	6719 Aug 20 01:31	9° P 31'12	
	6718 Sep 07 05:05	0° A			6719 Aug 30 13:18	0° A	
desc. node	6718 Sep 24 06:58	29° A 30'59		desc. node	6719 Sep 11 04:00	17° A 35'21	
	6718 Sep 24 15:09	0° M		evening max el	6719 Sep 17 19:07	24° A 57'53	26°12'26
evening max el	6718 Oct 05 19:48	13° M 19'08	27°06'55		6719 Sep 24 10:58	0° M	
retrograde	6718 Oct 19 16:57	20° M 30'52		retrograde	6719 Oct 01 17:50	2° M 03'58	
evening set	6718 Oct 26 18:00	18° M 18'26		evening set	6719 Oct 08 05:55	0° M 21'31	
min. Earth dist.	6718 Oct 30 10:26	15° M 36'06	0.61051 AU		6719 Oct 08 22:03	30° R A	
inferior conj	6718 Nov 02 13:19	12° M 54'50	-3°59'36	min. Earth dist.	6719 Oct 12 08:17	27° A 46'47	0.58976 AU
minimum elong	6718 Nov 02 20:01	12° M 40'21	3°57'37	inferior conj	6719 Oct 15 13:10	25° A 22'37	-4°54'02
morning rise	6718 Nov 10 00:12	8° M 02'42		minimum elong	6719 Oct 15 19:15	25° A 11'09	4°52'55
direct	6718 Nov 12 06:25	7° M 42'02		morning rise	6719 Oct 23 10:50	20° A 52'43	
asc. node	6718 Nov 15 18:27	8° M 33'51		direct	6719 Oct 25 18:34	20° A 34'23	
morning max el	6718 Nov 19 10:36	11° M 17'22	17°58'00	asc. node	6719 Nov 02 15:28	24° A 19'02	
	6718 Dec 01 20:22	0° A		morning max el	6719 Nov 02 19:24	24° A 28'26	18°27'20
morning set	6718 Dec 05 03:19	6° A 01'03			6719 Nov 07 09:25	0° M	
				morning set	6719 Nov 18 19:27	20° M 01'30	
superior conj	6718 Dec 15 08:39	24° A 30'07	0°42'00		6719 Nov 24 00:15	0° A	

superior conj	6719 Nov 27 19:12	7°  06'50	1°10'37	minimum elong	6720 Nov 10 01:40	20°  46'14	1°29'22
minimum elong	6719 Nov 27 22:48	7°  23'30	1°10'14		6720 Nov 14 22:14	0° 	
max. Earth dist.	6719 Dec 05 06:08	20°  27'16	1.40388 AU	max. Earth dist.	6720 Nov 16 11:41	2°  52'06	1.38246 AU
desc. node	6719 Dec 08 03:12	25°  21'33		evening rise	6720 Nov 20 05:41	9°  33'53	
evening rise	6719 Dec 09 14:38	27°  49'30		desc. node	6720 Nov 24 00:13	16°  01'28	
	6719 Dec 10 22:17	0° 			6720 Dec 02 17:51	0° 	
	6719 Dec 30 20:57	0° 			6720 Dec 25 17:57	0° 	
evening max el	6720 Jan 13 05:32	16°  16'36	23°39'07	evening max el	6720 Dec 25 18:41	0°  01'46	24°56'52
retrograde	6720 Jan 23 23:46	22°  37'22		retrograde	6721 Jan 06 13:27	6°  52'12	
evening set	6720 Jan 29 02:19	20°  30'14		evening set	6721 Jan 12 05:07	4°  31'09	
asc. node	6720 Jan 29 14:41	20°  02'46		asc. node	6721 Jan 15 11:43	1°  02'28	
min. Earth dist.	6720 Feb 02 22:41	14°  51'31	0.68154 AU		6721 Jan 16 07:27	30° 	
inferior conj	6720 Feb 03 12:41	14°  03'42	1°34'31	min. Earth dist.	6721 Jan 16 17:40	29°  26'53	0.67666 AU
minimum elong	6720 Feb 03 10:45	14°  10'20	1°33'50	inferior conj	6721 Jan 17 18:51	28°  04'06	0°45'46
morning rise	6720 Feb 08 19:08	7°  58'47		minimum elong	6721 Jan 17 17:45	28°  07'41	0°45'22
direct	6720 Feb 12 22:31	6°  22'24		morning rise	6721 Jan 23 06:36	22°  06'16	
morning max el	6720 Feb 21 03:15	11°  04'29	20°47'56	direct	6721 Jan 26 21:15	20°  51'20	
desc. node	6720 Mar 05 02:31	27°  35'14		morning max el	6721 Feb 03 04:47	24°  56'51	19°39'57
	6720 Mar 06 18:46	0° 			6721 Feb 07 14:32	0° 	
morning set	6720 Mar 21 21:19	22°  46'39		greatest brilliancy	6721 Feb 16 01:39	11°  48'43	-0.7m
	6720 Mar 26 11:21	0° 		desc. node	6721 Feb 19 23:31	17°  39'04	
max. Earth dist.	6720 Mar 30 04:50	5°  59'27	1.43024 AU		6721 Feb 28 01:50	0° 	
				morning set	6721 Feb 28 18:09	1°  02'52	
superior conj	6720 Apr 06 01:11	17°  18'40	-2°08'58	max. Earth dist.	6721 Mar 12 17:08	19°  43'17	1.44491 AU
minimum elong	6720 Apr 06 03:33	17°  28'37	2°08'56				
	6720 Apr 13 10:14	0° 		superior conj	6721 Mar 17 06:22	26°  59'47	-2°07'26
evening rise	6720 Apr 17 23:46	8°  03'55		minimum elong	6721 Mar 17 02:29	26°  44'10	2°07'19
asc. node	6720 Apr 26 13:51	23°  01'47			6721 Mar 19 02:57	0° 	
	6720 May 01 03:04	0° 		evening rise	6721 Mar 30 22:51	19°  37'08	
evening max el	6720 May 04 20:50	4°  28'14	18°06'01		6721 Apr 06 02:34	0° 	
retrograde	6720 May 11 10:04	7°  50'17		asc. node	6721 Apr 13 10:53	11°  38'11	
evening set	6720 May 14 02:02	7°  16'36		evening max el	6721 Apr 18 09:55	17°  48'04	18°14'28
inferior conj	6720 May 20 14:15	2°  15'08	2°50'45	retrograde	6721 Apr 24 19:23	21°  12'08	
minimum elong	6720 May 20 17:05	2°  08'05	2°50'06	evening set	6721 Apr 27 18:03	20°  26'01	
	6720 May 22 20:46	30° 		inferior conj	6721 May 03 18:14	15°  05'35	3°19'06
min. Earth dist.	6720 May 23 17:05	29°  11'20	0.61382 AU	minimum elong	6721 May 03 19:44	15°  01'23	3°18'54
morning rise	6720 May 27 06:05	26°  16'14		min. Earth dist.	6721 May 06 07:43	12°  15'01	0.63491 AU
desc. node	6720 Jun 01 01:50	24°  08'50		morning rise	6721 May 09 20:15	8°  55'09	
direct	6720 Jun 02 23:17	23°  58'04		direct	6721 May 16 15:27	6°  15'43	
	6720 Jun 15 03:01	0° 		desc. node	6721 May 18 22:51	6°  32'17	
morning max el	6720 Jun 17 04:35	1°  57'14	27°53'19	morning max el	6721 May 30 12:47	14°  16'35	27°44'01
	6720 Jul 07 16:56	0° 			6721 Jun 12 06:00	0° 	
morning set	6720 Jul 20 08:06	23°  37'36			6721 Jun 30 07:21	0° 	
	6720 Jul 23 09:10	0° 		morning set	6721 Jul 04 04:39	7°  33'45	
asc. node	6720 Jul 23 13:07	0°  21'04		max. Earth dist.	6721 Jul 09 07:19	18°  04'54	1.32741 AU
max. Earth dist.	6720 Jul 26 03:56	5°  59'59	1.32038 AU	asc. node	6721 Jul 10 10:08	20°  27'15	
superior conj	6720 Jul 27 17:12	9°  23'55	0°41'55	superior conj	6721 Jul 12 00:25	23°  52'36	0°16'22
minimum elong	6720 Jul 27 15:27	9°  14'17	0°41'32	minimum elong	6721 Jul 11 23:38	23°  48'23	0°16'09
evening rise	6720 Aug 03 12:33	24°  16'07			6721 Jul 14 20:16	0° 	
	6720 Aug 06 06:02	0° 		evening rise	6721 Jul 19 00:16	8°  59'11	
	6720 Aug 24 04:37	0° 			6721 Jul 29 21:05	0° 	
desc. node	6720 Aug 28 01:01	4°  23'43		evening max el	6721 Aug 10 22:31	16°  06'55	23°12'44
evening max el	6720 Aug 29 10:46	5°  47'55	24°49'59	desc. node	6721 Aug 14 22:02	19°  07'29	
retrograde	6720 Sep 12 07:31	12°  47'07		retrograde	6721 Aug 24 09:01	22°  50'32	
evening set	6720 Sep 17 17:40	11°  41'00		evening set	6721 Aug 28 07:11	22°  16'49	
min. Earth dist.	6720 Sep 22 22:01	8°  55'46	0.57031 AU	min. Earth dist.	6721 Sep 04 07:34	19°  03'49	0.55522 AU
inferior conj	6720 Sep 25 17:18	7°  06'10	-5°24'46	inferior conj	6721 Sep 06 01:39	18°  02'27	-5°13'57
minimum elong	6720 Sep 25 19:11	7°  03'05	5°24'40	minimum elong	6721 Sep 05 20:35	18°  09'53	5°13'23
morning rise	6720 Oct 03 22:57	2°  58'45		morning rise	6721 Sep 14 12:15	14°  11'21	
direct	6720 Oct 06 12:37	2°  40'07		direct	6721 Sep 17 11:19	13°  15'23	
morning max el	6720 Oct 15 18:48	7°  02'36	19°18'16	morning max el	6721 Sep 28 06:13	18°  52'01	20°31'25
asc. node	6720 Oct 19 12:28	11°  15'18		asc. node	6721 Oct 06 09:30	29°  07'49	
	6720 Oct 30 14:31	0° 			6721 Oct 06 22:38	0° 	
morning set	6720 Nov 01 20:16	4°  12'54		morning set	6721 Oct 17 02:48	19°  05'16	
					6721 Oct 22 09:27	0° 	
superior conj	6720 Nov 09 23:00	20°  33'17	1°29'33				

superior conj	6721 Oct 24 15:19	4°♍35'56	1°39'45	direct	6722 Aug 28 21:10	24°♊06'11	
minimum elong	6721 Oct 24 16:34	4°♍42'16	1°39'44	morning max el	6722 Sep 10 05:35	29°♊55'31	22°04'10
max. Earth dist.	6721 Oct 29 19:00	14°♍49'49	1.36214 AU		6722 Sep 10 07:31	0°♐	
evening rise	6721 Nov 02 16:45	22°♍12'11		asc. node	6722 Sep 23 06:32	17°♐43'29	
	6721 Nov 07 01:08	0°♏			6722 Sep 29 15:45	0°♏	
desc. node	6721 Nov 10 21:12	6°♏31'40		morning set	6722 Oct 01 12:51	3°♏53'50	
	6721 Nov 26 13:16	0°♏					
evening max el	6721 Dec 08 07:27	13°♏46'35	26°05'18	superior conj	6722 Oct 08 16:26	19°♏03'47	1°42'24
retrograde	6721 Dec 20 22:20	20°♏56'32		minimum elong	6722 Oct 08 16:17	19°♏03'02	1°42'25
evening set	6721 Dec 27 03:00	18°♏24'30		max. Earth dist.	6722 Oct 12 09:00	26°♏43'30	1.34487 AU
min. Earth dist.	6721 Dec 31 08:39	13°♏55'01	0.66812 AU		6722 Oct 13 23:52	0°♍	
inferior conj	6722 Jan 01 21:11	12°♏01'43	-0°09'48	evening rise	6722 Oct 16 19:58	5°♍34'57	
minimum elong	6722 Jan 01 21:26	12°♏00'55	0°09'37	desc. node	6722 Oct 28 18:15	26°♍47'10	
transit middle	6722 Jan 01 21:26	12°♏00'55	0°09'37		6722 Oct 30 18:23	0°♏	
transit begin	6722 Jan 01 19:09	12°♏08'02		evening max el	6722 Nov 20 20:24	27°♏25'07	26°57'03
transit end	6722 Jan 01 23:43	11°♏53'48			6722 Nov 23 17:58	0°♏	
asc. node	6722 Jan 02 08:46	11°♏25'51		retrograde	6722 Dec 04 01:48	4°♏43'45	
morning rise	6722 Jan 07 16:28	6°♏13'05		evening set	6722 Dec 10 18:01	2°♏05'55	
direct	6722 Jan 10 19:56	5°♏16'46			6722 Dec 13 01:06	30°♏♏	
morning max el	6722 Jan 17 13:47	8°♏57'57	18°47'11	min. Earth dist.	6722 Dec 14 17:28	28°♏11'08	0.65605 AU
	6722 Feb 01 17:41	0°♏		inferior conj	6722 Dec 16 17:38	25°♏52'53	-1°11'06
desc. node	6722 Feb 06 20:31	7°♏59'56		minimum elong	6722 Dec 16 19:41	25°♏46'59	1°10'10
morning set	6722 Feb 08 05:13	10°♏08'08		asc. node	6722 Dec 20 05:49	22°♏10'29	
	6722 Feb 20 21:41	0°♏		morning rise	6722 Dec 22 22:26	20°♏15'51	
max. Earth dist.	6722 Feb 23 10:15	3°♏57'16	1.45295 AU	direct	6722 Dec 25 16:41	19°♏34'20	
				morning max el	6723 Jan 01 04:10	23°♏02'17	18°10'48
superior conj	6722 Feb 24 15:15	5°♏51'04	-1°46'00		6723 Jan 06 18:47	0°♏	
minimum elong	6722 Feb 24 06:04	5°♏15'01	1°45'12	morning set	6723 Jan 19 20:54	20°♏40'30	
evening rise	6722 Mar 11 22:53	0°♏12'11		desc. node	6723 Jan 24 17:32	28°♏33'05	
	6722 Mar 11 19:52	0°♏			6723 Jan 25 15:07	0°♏	
greatest brilliancy	6722 Mar 18 14:10	10°♏53'59	-0.9m				
asc. node	6722 Mar 31 07:56	29°♏35'08		superior conj	6723 Feb 03 20:02	14°♏38'43	-1°07'26
	6722 Mar 31 16:37	0°♏		minimum elong	6723 Feb 03 12:06	14°♏07'27	1°06'24
evening max el	6722 Apr 01 21:28	1°♏17'19	18°41'13	max. Earth dist.	6723 Feb 06 05:24	18°♏24'04	1.45368 AU
retrograde	6722 Apr 08 12:12	4°♏56'20			6723 Feb 13 15:37	0°♏	
evening set	6722 Apr 11 17:42	3°♏56'55		evening rise	6723 Feb 20 00:43	9°♏55'43	
	6722 Apr 16 00:05	30°♏♏		greatest brilliancy	6723 Mar 04 05:33	28°♏45'41	-0.7m
inferior conj	6722 Apr 17 09:37	28°♏19'19	3°28'01		6723 Mar 05 01:18	0°♏	
minimum elong	6722 Apr 17 09:40	28°♏19'12	3°27'59	evening max el	6723 Mar 16 05:21	14°♏51'18	19°25'06
min. Earth dist.	6722 Apr 19 07:45	25°♏58'31	0.65285 AU	asc. node	6723 Mar 18 05:00	16°♏40'47	
morning rise	6722 Apr 23 01:00	22°♏03'52		retrograde	6723 Mar 23 09:05	18°♏56'14	
direct	6722 Apr 29 15:19	19°♏15'32		evening set	6723 Mar 26 22:10	17°♏42'45	
desc. node	6722 May 05 19:52	21°♏14'50		inferior conj	6723 Apr 01 08:59	11°♏49'50	3°21'56
morning max el	6722 May 12 23:04	27°♏07'04	27°01'10	minimum elong	6723 Apr 01 07:49	11°♏53'38	3°21'49
	6722 May 15 15:56	0°♏		min. Earth dist.	6723 Apr 02 15:59	10°♏08'32	0.66674 AU
	6722 Jun 05 21:50	0°♏		morning rise	6723 Apr 06 17:08	5°♏33'25	
morning set	6722 Jun 17 15:26	20°♏58'42		direct	6723 Apr 12 21:40	2°♏48'32	
max. Earth dist.	6722 Jun 22 01:22	29°♏41'33	1.33915 AU	desc. node	6723 Apr 22 16:54	7°♏43'42	
	6722 Jun 22 05:01	0°♏		morning max el	6723 Apr 25 08:56	10°♏15'41	25°52'46
superior conj	6722 Jun 26 02:22	8°♏01'35	-0°12'16		6723 May 11 00:05	0°♏	
minimum elong	6722 Jun 26 03:01	8°♏05'02	0°12'11	morning set	6723 May 29 11:54	0°♏	
behind sun begin	6722 Jun 25 23:19	7°♏45'38		max. Earth dist.	6723 May 31 12:30	3°♏41'00	
behind sun end	6722 Jun 26 06:43	8°♏24'26			6723 Jun 04 08:00	10°♏50'48	1.35560 AU
asc. node	6722 Jun 27 07:10	10°♏33'04		superior conj	6723 Jun 09 20:28	21°♏43'32	-0°42'47
evening rise	6722 Jul 03 10:47	23°♏34'46		minimum elong	6723 Jun 09 22:55	21°♏55'57	0°42'23
	6722 Jul 06 13:31	0°♏			6723 Jun 13 21:35	0°♏	
evening max el	6722 Jul 23 15:00	26°♏30'00	21°37'09	asc. node	6723 Jun 14 04:12	0°♏34'12	
	6722 Jul 27 21:40	0°♏		evening rise	6723 Jun 17 17:58	7°♏56'14	
desc. node	6722 Aug 01 19:04	2°♏13'45			6723 Jun 29 19:06	0°♏	
retrograde	6722 Aug 05 00:18	2°♏38'26		evening max el	6723 Jul 05 19:05	7°♏26'15	20°15'21
evening set	6722 Aug 07 13:59	2°♏23'27		retrograde	6723 Jul 16 13:20	12°♏43'32	
	6722 Aug 13 21:58	30°♏♏		evening set	6723 Jul 18 11:47	12°♏34'01	
inferior conj	6722 Aug 16 20:35	28°♏23'30	-4°09'43	desc. node	6723 Jul 19 16:07	12°♏19'18	
minimum elong	6722 Aug 16 11:22	28°♏36'23	4°07'20	inferior conj	6723 Jul 27 15:01	8°♏36'05	-2°22'47
min. Earth dist.	6722 Aug 16 17:01	28°♏28'29	0.54769 AU	minimum elong	6723 Jul 27 08:26	8°♏45'47	2°20'27
morning rise	6722 Aug 25 09:55	24°♏32'23		min. Earth dist.	6723 Jul 29 04:14	7°♏41'20	0.54974 AU

morning rise	6723 Aug 05 03:52	4°♎24'32		direct	6724 Jul 20 05:44	13°♊27'30	
direct	6723 Aug 09 07:52	3°♎46'54		morning max el	6724 Aug 03 09:36	20°♊40'14	25°29'36
morning max el	6723 Aug 22 20:29	10°♎22'56	23°48'18		6724 Aug 11 10:44	0°♎	
	6723 Sep 06 09:36	0°♎		asc. node	6724 Aug 27 00:35	26°♎21'55	
asc. node	6723 Sep 10 03:33	6°♎50'51			6724 Aug 28 19:12	0°♎	
morning set	6723 Sep 16 00:27	18°♎44'56		morning set	6724 Aug 30 11:56	3°♎34'02	
	6723 Sep 21 05:32	0°♎					
superior conj	6723 Sep 22 23:16	3°♎46'30	1°38'31	superior conj	6724 Sep 06 09:33	18°♎37'08	1°28'55
minimum elong	6723 Sep 22 22:01	3°♎39'42	1°38'27	minimum elong	6724 Sep 06 07:33	18°♎26'13	1°28'42
max. Earth dist.	6723 Sep 25 07:38	8°♎49'17	1.33168 AU	max. Earth dist.	6724 Sep 07 13:37	21°♎11'18	1.32289 AU
evening rise	6723 Sep 30 11:16	19°♎30'25			6724 Sep 11 15:32	0°♎	
	6723 Oct 05 21:36	0°♎		evening rise	6724 Sep 13 11:20	3°♎49'26	
desc. node	6723 Oct 15 15:17	16°♎40'13			6724 Sep 27 15:14	0°♎	
	6723 Oct 24 21:22	0°♎		desc. node	6724 Oct 01 12:19	6°♎01'39	
evening max el	6723 Nov 03 08:37	10°♎46'08	27°25'06	evening max el	6724 Oct 15 17:55	23°♎36'22	27°23'08
retrograde	6723 Nov 16 23:01	18°♎04'36			6724 Oct 25 03:49	0°♎	
evening set	6723 Nov 23 23:35	15°♎28'43		retrograde	6724 Oct 29 13:02	0°♎50'02	
min. Earth dist.	6723 Nov 27 17:56	12°♎06'54	0.64056 AU		6724 Nov 02 18:02	30°♎	
inferior conj	6723 Nov 30 05:41	9°♎31'12	-2°16'33	evening set	6724 Nov 05 16:25	28°♎25'54	
minimum elong	6723 Nov 30 09:49	9°♎20'25	2°14'52	min. Earth dist.	6724 Nov 09 08:06	25°♎32'02	0.62213 AU
morning rise	6723 Dec 06 21:37	4°♎08'47		inferior conj	6724 Nov 12 06:22	22°♎49'07	-3°22'59
asc. node	6723 Dec 07 02:52	4°♎03'39		minimum elong	6724 Nov 12 12:25	22°♎35'05	3°20'56
direct	6723 Dec 09 09:00	3°♎38'06		morning rise	6724 Nov 19 10:20	17°♎44'49	
morning max el	6723 Dec 15 21:08	7°♎02'10	17°51'35	direct	6724 Nov 21 17:38	17°♎21'19	
	6723 Dec 31 04:13	0°♎		asc. node	6724 Nov 22 23:54	17°♎28'34	
morning set	6724 Jan 01 16:46	2°♎35'49		morning max el	6724 Nov 28 13:34	20°♎49'56	17°50'15
desc. node	6724 Jan 11 14:34	19°♎14'14			6724 Dec 05 10:55	0°♎	
				morning set	6724 Dec 14 10:30	15°♎33'34	
superior conj	6724 Jan 14 16:00	24°♎14'12	-0°21'41		6724 Dec 22 14:30	0°♎	
minimum elong	6724 Jan 14 13:31	24°♎04'10	0°21'17	superior conj	6724 Dec 25 13:12	5°♎03'21	0°21'05
	6724 Jan 18 05:55	0°♎		minimum elong	6724 Dec 25 15:07	5°♎11'34	0°20'51
max. Earth dist.	6724 Jan 20 00:13	2°♎48'19	1.44707 AU	desc. node	6724 Dec 28 11:33	9°♎59'32	
evening rise	6724 Jan 30 12:55	19°♎13'06		max. Earth dist.	6725 Jan 01 16:15	16°♎53'42	1.43389 AU
	6724 Feb 06 14:54	0°♎		evening rise	6725 Jan 09 02:16	28°♎40'54	
evening max el	6724 Feb 27 08:12	28°♎27'41	20°24'00		6725 Jan 09 22:38	0°♎	
	6724 Feb 28 22:52	0°♎			6725 Jan 30 08:44	0°♎	
asc. node	6724 Mar 04 02:03	2°♎41'21		evening max el	6725 Feb 09 05:32	12°♎05'01	21°34'45
retrograde	6724 Mar 06 07:25	3°♎07'12		retrograde	6725 Feb 18 05:12	17°♎24'31	
evening set	6724 Mar 10 05:17	1°♎38'56		asc. node	6725 Feb 18 23:05	17°♎21'36	
	6724 Mar 12 00:29	30°♎		evening set	6725 Feb 22 13:12	15°♎40'57	
inferior conj	6724 Mar 15 13:32	25°♎32'45	3°03'55	inferior conj	6725 Feb 27 20:59	9°♎24'01	2°35'56
minimum elong	6724 Mar 15 11:35	25°♎39'25	3°03'33	minimum elong	6725 Feb 27 18:40	9°♎32'03	2°35'20
min. Earth dist.	6724 Mar 16 06:30	24°♎34'53	0.67628 AU	min. Earth dist.	6725 Feb 28 01:08	9°♎09'34	0.68151 AU
morning rise	6724 Mar 20 17:39	19°♎17'44		morning rise	6725 Mar 04 23:58	3°♎11'54	
direct	6724 Mar 26 09:23	16°♎46'17		direct	6725 Mar 10 01:27	1°♎00'15	
morning max el	6724 Apr 06 17:43	23°♎33'41	24°28'46	morning max el	6725 Mar 20 03:19	6°♎58'19	22°59'12
desc. node	6724 Apr 08 13:56	25°♎30'08		desc. node	6725 Mar 26 10:56	14°♎11'47	
	6724 Apr 12 10:51	0°♎			6725 Apr 06 23:57	0°♎	
	6724 May 03 09:20	0°♎		morning set	6725 Apr 23 16:27	26°♎00'53	
morning set	6724 May 12 14:49	15°♎27'02			6725 Apr 26 01:28	0°♎	
max. Earth dist.	6724 May 16 05:55	21°♎54'58	1.37591 AU	max. Earth dist.	6725 Apr 28 02:01	3°♎27'15	1.39813 AU
	6724 May 20 14:42	0°♎					
superior conj	6724 May 23 03:30	4°♎50'26	-1°13'24	superior conj	6725 May 05 19:17	17°♎11'00	-1°41'17
minimum elong	6724 May 23 07:47	5°♎11'06	1°12'46	minimum elong	6725 May 06 00:41	17°♎35'45	1°40'43
asc. node	6724 May 31 01:15	20°♎26'51			6725 May 12 15:15	0°♎	
evening rise	6724 May 31 19:24	21°♎57'08		evening rise	6725 May 15 11:58	5°♎28'25	
	6724 Jun 04 22:16	0°♎		asc. node	6725 May 17 22:16	10°♎05'41	
evening max el	6724 Jun 17 11:56	19°♎06'14	19°12'58		6725 May 30 06:44	0°♎	
retrograde	6724 Jun 26 13:18	23°♎33'19		evening max el	6725 May 31 14:57	1°♎25'10	18°31'11
evening set	6724 Jun 28 11:46	23°♎21'58		retrograde	6725 Jun 08 07:58	5°♎14'45	
desc. node	6724 Jul 05 13:09	20°♎07'21		evening set	6725 Jun 10 12:32	4°♎57'10	
inferior conj	6724 Jul 06 22:56	19°♎11'39	-0°25'27	inferior conj	6725 Jun 18 03:43	0°♎27'30	1°13'38
minimum elong	6724 Jul 06 21:50	19°♎13'30	0°25'05	minimum elong	6725 Jun 18 06:11	0°♎22'38	1°12'44
min. Earth dist.	6724 Jul 09 18:10	17°♎19'45	0.56106 AU		6725 Jun 18 17:39	30°♎	
morning rise	6724 Jul 15 04:57	14°♎25'52		min. Earth dist.	6725 Jun 21 12:31	27°♎50'12	0.57923 AU
				desc. node	6725 Jun 22 10:12	27°♎10'49	

morning rise	6725 Jun 25 20:30	25° Π 05'55		desc. node	6726 Jun 09 07:14	5° Π 33'01	
direct	6725 Jul 01 17:35	23° Π 37'47		direct	6726 Jun 13 18:29	4° Π 35'39	
	6725 Jul 14 18:24	0° \mathfrak{S}		morning max el	6726 Jun 28 02:52	12° Π 30'38	27°41'39
morning max el	6725 Jul 16 02:56	1° \mathfrak{S} 16'22	26°51'43		6726 Jul 11 22:35	0° \mathfrak{S}	
	6725 Aug 05 14:01	0° Ω			6726 Jul 28 19:53	0° Ω	
asc. node	6725 Aug 13 21:36	16° Ω 09'37		morning set	6726 Jul 30 04:01	2° Ω 45'41	
morning set	6725 Aug 14 21:43	18° Ω 16'07		asc. node	6726 Jul 31 18:35	6° Ω 08'18	
	6725 Aug 20 07:27	0° \mathfrak{M}		max. Earth dist.	6726 Aug 05 10:15	16° Ω 13'39	1.31834 AU
superior conj	6725 Aug 21 21:16	3° \mathfrak{M} 29'19	1°14'13	superior conj	6726 Aug 06 08:40	18° Ω 17'14	0°54'56
minimum elong	6725 Aug 21 19:00	3° \mathfrak{M} 16'44	1°13'52	minimum elong	6726 Aug 06 06:35	18° Ω 05'43	0°54'31
max. Earth dist.	6725 Aug 21 23:47	3° \mathfrak{M} 43'13	1.31843 AU		6726 Aug 11 16:29	0° \mathfrak{M}	
evening rise	6725 Aug 28 17:23	18° \mathfrak{M} 23'56		evening rise	6726 Aug 13 03:11	3° \mathfrak{M} 06'46	
	6725 Sep 03 10:52	0° \mathfrak{L}			6726 Aug 27 10:33	0° \mathfrak{L}	
desc. node	6725 Sep 18 09:21	24° \mathfrak{L} 38'56		desc. node	6726 Sep 05 06:23	12° \mathfrak{L} 13'59	
	6725 Sep 22 13:35	0° \mathfrak{M}		evening max el	6726 Sep 09 17:03	16° \mathfrak{L} 58'52	25°40'10
evening max el	6725 Sep 27 21:24	5° \mathfrak{M} 42'53	26°47'41	retrograde	6726 Sep 23 15:39	24° \mathfrak{L} 03'25	
retrograde	6725 Oct 11 19:01	12° \mathfrak{M} 51'47		evening set	6726 Sep 29 18:24	22° \mathfrak{L} 35'46	
evening set	6725 Oct 18 16:20	10° \mathfrak{M} 50'39		min. Earth dist.	6726 Oct 04 05:15	19° \mathfrak{L} 59'02	0.58107 AU
min. Earth dist.	6725 Oct 22 11:23	8° \mathfrak{M} 13'57	0.60170 AU	inferior conj	6726 Oct 07 07:59	17° \mathfrak{L} 47'12	-5°11'04
inferior conj	6725 Oct 25 16:18	5° \mathfrak{M} 37'50	-4°24'36	minimum elong	6726 Oct 07 12:47	17° \mathfrak{L} 38'41	5°10'26
minimum elong	6725 Oct 25 23:05	5° \mathfrak{M} 23'59	4°22'54	morning rise	6726 Oct 15 09:30	13° \mathfrak{L} 27'34	
morning rise	6725 Nov 02 08:02	0° \mathfrak{M} 55'05		direct	6726 Oct 17 19:08	13° \mathfrak{L} 09'30	
direct	6725 Nov 04 14:32	0° \mathfrak{M} 35'39		morning max el	6726 Oct 26 07:31	17° \mathfrak{L} 14'14	18°46'23
asc. node	6725 Nov 09 20:56	2° \mathfrak{M} 25'54		asc. node	6726 Oct 27 17:57	18° \mathfrak{L} 43'09	
morning max el	6725 Nov 12 02:13	4° \mathfrak{M} 17'23	18°08'02		6726 Nov 04 12:08	0° \mathfrak{M}	
morning set	6725 Nov 27 19:54	29° \mathfrak{M} 15'24		morning set	6726 Nov 11 16:08	13° \mathfrak{M} 26'44	
	6725 Nov 28 05:25	0° \mathfrak{X}		superior conj	6726 Nov 20 06:02	0° \mathfrak{X} 04'57	1°19'47
superior conj	6725 Dec 07 11:29	17° \mathfrak{X} 05'12	0°55'21	minimum elong	6726 Nov 20 09:20	0° \mathfrak{X} 20'34	1°19'28
minimum elong	6725 Dec 07 15:06	17° \mathfrak{X} 21'22	0°54'55		6726 Nov 20 04:59	0° \mathfrak{X}	
	6725 Dec 14 21:40	0° \mathfrak{Z}		max. Earth dist.	6726 Nov 27 09:27	13° \mathfrak{X} 08'57	1.39470 AU
max. Earth dist.	6725 Dec 15 03:20	0° \mathfrak{Z} 23'53	1.41568 AU	evening rise	6726 Dec 01 08:55	20° \mathfrak{X} 01'50	
desc. node	6725 Dec 15 08:34	0° \mathfrak{Z} 45'49		desc. node	6726 Dec 02 05:33	21° \mathfrak{X} 28'57	
evening rise	6725 Dec 20 06:42	8° \mathfrak{Z} 52'02			6726 Dec 07 10:18	0° \mathfrak{Z}	
	6726 Jan 03 01:05	0° \mathfrak{A}			6726 Dec 28 05:42	0° \mathfrak{A}	
evening max el	6726 Jan 22 22:10	25° \mathfrak{A} 44'28	22°52'54	evening max el	6727 Jan 05 11:53	9° \mathfrak{A} 26'57	24°12'49
	6726 Jan 27 23:47	0° \mathfrak{H}		retrograde	6727 Jan 16 17:14	16° \mathfrak{A} 02'19	
retrograde	6726 Feb 02 00:55	1° \mathfrak{H} 44'36		evening set	6727 Jan 22 01:14	13° \mathfrak{A} 48'58	
asc. node	6726 Feb 05 20:08	0° \mathfrak{H} 31'09		asc. node	6727 Jan 23 17:11	12° \mathfrak{A} 11'35	
evening set	6726 Feb 06 20:23	29° \mathfrak{A} 45'44		min. Earth dist.	6727 Jan 26 18:04	8° \mathfrak{A} 24'44	0.67988 AU
	6726 Feb 06 13:21	30° \mathfrak{R}		inferior conj	6727 Jan 27 12:52	7° \mathfrak{A} 21'21	1°14'43
inferior conj	6726 Feb 12 05:22	23° \mathfrak{A} 21'22	1°59'16	minimum elong	6727 Jan 27 11:13	7° \mathfrak{A} 26'53	1°14'08
minimum elong	6726 Feb 12 03:09	23° \mathfrak{A} 29'02	1°58'33	morning rise	6727 Feb 01 21:17	1° \mathfrak{A} 19'06	
min. Earth dist.	6726 Feb 11 21:45	23° \mathfrak{A} 47'43	0.68265 AU		6727 Feb 04 14:40	30° \mathfrak{R}	
morning rise	6726 Feb 17 09:51	17° \mathfrak{A} 13'26		direct	6727 Feb 05 18:58	29° \mathfrak{Z} 52'17	
direct	6726 Feb 21 21:01	15° \mathfrak{A} 24'17			6727 Feb 06 23:57	0° \mathfrak{A}	
morning max el	6726 Mar 02 17:09	20° \mathfrak{A} 32'31	21°33'08	morning max el	6727 Feb 13 14:01	4° \mathfrak{A} 17'50	20°17'15
	6726 Mar 10 16:31	0° \mathfrak{H}		desc. node	6727 Feb 28 04:56	23° \mathfrak{A} 24'14	
desc. node	6726 Mar 13 07:56	3° \mathfrak{H} 33'37			6727 Mar 04 15:40	0° \mathfrak{H}	
	6726 Mar 31 05:31	0° \mathfrak{Y}		morning set	6727 Mar 13 14:01	13° \mathfrak{H} 36'30	
morning set	6726 Apr 03 14:03	5° \mathfrak{Y} 16'39		max. Earth dist.	6727 Mar 23 09:57	29° \mathfrak{H} 04'36	1.43717 AU
max. Earth dist.	6726 Apr 10 02:28	15° \mathfrak{Y} 49'46	1.41946 AU		6727 Mar 23 23:45	0° \mathfrak{Y}	
superior conj	6726 Apr 17 15:07	28° \mathfrak{Y} 34'50	-2°02'13	superior conj	6727 Mar 29 10:48	8° \mathfrak{Y} 53'36	-2°10'36
minimum elong	6726 Apr 17 19:35	28° \mathfrak{Y} 54'12	2°01'59	minimum elong	6727 Mar 29 10:49	8° \mathfrak{Y} 53'40	2°10'37
	6726 Apr 18 10:41	0° \mathfrak{B}			6727 Apr 10 20:52	0° \mathfrak{B}	
evening rise	6726 Apr 28 15:57	18° \mathfrak{B} 21'24		evening rise	6727 Apr 11 02:52	0° \mathfrak{B} 26'05	
asc. node	6726 May 04 19:17	29° \mathfrak{B} 25'41		asc. node	6727 Apr 21 16:19	18° \mathfrak{B} 20'35	
	6726 May 05 03:09	0° \mathfrak{I}		evening max el	6727 Apr 28 13:22	27° \mathfrak{B} 26'37	18°07'20
evening max el	6726 May 15 00:35	14° \mathfrak{I} 14'53	18°09'33		6727 May 01 21:59	0° \mathfrak{I}	
retrograde	6726 May 21 20:52	17° \mathfrak{I} 42'43		retrograde	6727 May 04 23:55	0° \mathfrak{I} 47'54	
evening set	6726 May 24 08:38	17° \mathfrak{I} 15'43		evening set	6727 May 07 18:41	0° \mathfrak{I} 09'13	
inferior conj	6726 May 31 05:38	12° \mathfrak{I} 25'42	2°23'28		6727 May 08 02:22	30° \mathfrak{R}	
minimum elong	6726 May 31 08:52	12° \mathfrak{I} 18'16	2°22'33	inferior conj	6727 May 14 01:19	24° \mathfrak{B} 59'47	3°05'26
min. Earth dist.	6726 Jun 03 13:36	9° \mathfrak{I} 24'13	0.60098 AU	minimum elong	6727 May 14 03:39	24° \mathfrak{B} 53'42	3°05'00
morning rise	6726 Jun 07 06:25	6° \mathfrak{I} 36'58		min. Earth dist.	6727 May 16 23:06	21° \mathfrak{B} 58'45	0.62307 AU

morning rise	6727 May 20 10:55	18°♄54'51		inferior conj	6728 Apr 26 10:37	8°♄00'51	3°24'55
direct	6727 May 27 05:59	16°♄25'52		minimum elong	6728 Apr 26 11:29	7°♄58'20	3°24'50
desc. node	6727 May 27 04:15	16°♄25'52		min. Earth dist.	6728 Apr 28 17:44	5°♄21'16	0.64302 AU
morning max el	6727 Jun 10 08:35	24°♄27'45	27°53'46	morning rise	6728 May 02 07:44	1°♄47'54	
	6727 Jun 15 08:52	0°♂			6728 May 05 01:38	30°♄	
	6727 Jul 05 07:45	0°♄		direct	6728 May 09 01:47	29°♄02'54	
morning set	6727 Jul 14 04:52	16°♄56'43		desc. node	6728 May 13 01:18	29°♄52'20	
asc. node	6727 Jul 18 15:35	26°♄13'22			6728 May 13 08:46	0°♄	
max. Earth dist.	6727 Jul 19 17:15	28°♄31'05	1.32275 AU	morning max el	6728 May 22 17:47	7°♄01'04	27°29'25
	6727 Jul 20 09:44	0°♂			6728 Jun 09 09:08	0°♂	
				morning set	6728 Jun 26 21:40	0°♄40'43	
superior conj	6727 Jul 21 18:00	2°♂55'23	0°31'31		6728 Jun 26 13:22	0°♄	
minimum elong	6727 Jul 21 16:36	2°♂47'44	0°31'11	max. Earth dist.	6728 Jul 01 16:54	10°♄23'57	1.33184 AU
evening rise	6727 Jul 28 14:47	17°♂52'02					
	6727 Aug 03 13:08	0°♄		superior conj	6728 Jul 04 23:17	17°♄16'48	0°04'35
evening max el	6727 Aug 22 06:17	27°♄32'52	24°09'33	minimum elong	6728 Jul 04 23:03	17°♄15'35	0°04'28
desc. node	6727 Aug 23 03:25	28°♄22'19		behind sun begin	6728 Jul 04 17:48	16°♄47'37	
	6727 Aug 25 01:24	0°♄		behind sun end	6728 Jul 05 04:18	17°♄43'36	
retrograde	6727 Sep 05 00:39	4°♄27'37		asc. node	6728 Jul 04 12:36	16°♄19'56	
evening set	6727 Sep 09 19:49	3°♄36'44			6728 Jul 10 21:29	0°♂	
min. Earth dist.	6727 Sep 15 17:04	0°♄41'16	0.56311 AU	evening rise	6728 Jul 12 02:13	2°♂32'48	
	6727 Sep 16 19:56	30°♄			6728 Jul 27 05:42	0°♄	
inferior conj	6727 Sep 18 03:29	29°♄10'51	-5°26'21	evening max el	6728 Aug 02 19:09	7°♄49'48	22°31'01
minimum elong	6727 Sep 18 02:31	29°♄12'20	5°26'19	desc. node	6728 Aug 09 00:29	12°♄31'47	
morning rise	6727 Sep 26 11:31	25°♄11'26		retrograde	6728 Aug 15 20:46	14°♄20'08	
direct	6727 Sep 29 04:37	24°♄52'11		evening set	6728 Aug 19 03:40	13°♄56'25	
morning max el	6727 Oct 09 02:07	29°♄30'38	19°46'41	min. Earth dist.	6728 Aug 27 02:17	10°♄27'25	0.55101 AU
	6727 Oct 09 14:19	0°♄		inferior conj	6728 Aug 28 04:55	9°♄49'43	-4°53'14
asc. node	6727 Oct 14 14:59	6°♄05'12		minimum elong	6728 Aug 27 21:20	10°♄00'28	4°51'53
morning set	6727 Oct 26 19:42	27°♄58'08		morning rise	6728 Sep 05 16:51	6°♄00'46	
	6727 Oct 27 19:46	0°♄		direct	6728 Sep 08 20:59	5°♄37'50	
				morning max el	6728 Sep 20 08:04	10°♄59'19	21°08'44
superior conj	6727 Nov 03 15:41	13°♄48'07	1°34'51	asc. node	6728 Sep 30 12:00	24°♄17'18	
minimum elong	6727 Nov 03 17:46	13°♄58'27	1°34'45		6728 Oct 03 17:59	0°♄	
max. Earth dist.	6727 Nov 09 14:44	25°♄17'56	1.37355 AU	morning set	6728 Oct 10 04:00	12°♄42'04	
	6727 Nov 12 04:00	0°♄					
evening rise	6727 Nov 13 08:59	2°♄10'26		superior conj	6728 Oct 17 12:08	28°♄02'12	1°41'43
desc. node	6727 Nov 19 02:34	12°♄05'09		minimum elong	6728 Oct 17 12:46	28°♄05'30	1°41'44
	6727 Nov 30 13:27	0°♄			6728 Oct 18 11:01	0°♄	
evening max el	6727 Dec 19 00:48	23°♄12'30	25°27'37	max. Earth dist.	6728 Oct 22 00:39	7°♄11'52	1.35440 AU
	6727 Dec 29 08:17	0°♄		evening rise	6728 Oct 26 03:26	15°♄08'52	
retrograde	6727 Dec 31 05:04	0°♄12'49			6728 Nov 03 11:36	0°♄	
	6728 Jan 02 00:04	30°♄		desc. node	6728 Nov 04 23:36	2°♄29'50	
evening set	6728 Jan 06 02:10	27°♄46'54			6728 Nov 24 04:43	0°♄	
min. Earth dist.	6728 Jan 10 11:45	22°♄57'04	0.67344 AU	evening max el	6728 Nov 30 13:55	6°♄56'26	26°29'54
asc. node	6728 Jan 10 14:14	22°♄49'07		retrograde	6728 Dec 13 11:33	14°♄10'33	
inferior conj	6728 Jan 11 17:39	21°♄20'53	0°22'59	evening set	6728 Dec 19 21:24	11°♄35'36	
minimum elong	6728 Jan 11 17:04	21°♄22'44	0°22'48	min. Earth dist.	6728 Dec 24 00:27	7°♄20'49	0.66340 AU
morning rise	6728 Jan 17 08:19	15°♄26'23		inferior conj	6728 Dec 25 17:47	5°♄16'29	-0°35'09
direct	6728 Jan 20 17:59	14°♄19'44		minimum elong	6728 Dec 25 18:45	5°♄13'34	0°34'40
morning max el	6728 Jan 27 18:48	18°♄13'43	19°15'28	asc. node	6728 Dec 27 11:18	3°♄14'35	
	6728 Feb 06 00:43	0°♄			6728 Dec 30 22:56	30°♄	
greatest brilliancy	6728 Feb 10 02:18	6°♄00'39	-0.7m	morning rise	6728 Dec 31 16:52	29°♄32'15	
desc. node	6728 Feb 15 01:55	13°♄35'43		direct	6729 Jan 03 16:15	28°♄42'32	
morning set	6728 Feb 20 14:00	22°♄04'56			6729 Jan 07 12:20	0°♄	
	6728 Feb 25 16:27	0°♄		morning max el	6729 Jan 10 06:21	2°♄16'38	18°29'40
max. Earth dist.	6728 Mar 05 00:17	13°♄01'57	1.44919 AU		6729 Jan 29 09:53	0°♄	
				morning set	6729 Jan 30 12:37	1°♄46'12	
superior conj	6728 Mar 08 06:07	18°♄09'54	-2°00'50	desc. node	6729 Jan 31 22:54	4°♄02'25	
minimum elong	6728 Mar 07 23:27	17°♄43'24	2°00'27				
	6728 Mar 15 15:04	0°♄		superior conj	6729 Feb 15 10:47	26°♄52'47	-1°31'16
evening rise	6728 Mar 22 16:21	11°♄34'04		minimum elong	6729 Feb 15 01:15	26°♄15'27	1°30'15
	6728 Apr 02 23:07	0°♄		max. Earth dist.	6729 Feb 15 19:06	27°♄25'22	1.45418 AU
asc. node	6728 Apr 07 13:23	6°♄41'37			6729 Feb 17 10:35	0°♄	
evening max el	6728 Apr 11 02:12	10°♄51'39	18°23'45	evening rise	6729 Mar 03 06:29	21°♄45'47	
retrograde	6728 Apr 17 12:47	14°♄20'14			6729 Mar 08 11:14	0°♄	
evening set	6728 Apr 20 14:22	13°♄28'32		greatest brilliancy	6729 Mar 12 14:48	6°♄31'55	-0.8m

asc. node	6729 Mar 25 10:28	24°♈18'44		asc. node	6730 Mar 12 07:33	10°♈58'26	
evening max el	6729 Mar 25 12:31	24°♈23'57	18°57'54	retrograde	6730 Mar 16 05:34	12°♈17'31	
retrograde	6729 Apr 01 07:41	28°♈12'25		evening set	6730 Mar 19 22:15	10°♈57'41	
evening set	6729 Apr 04 16:25	27°♈06'53		inferior conj	6730 Mar 25 07:39	4°♈58'33	3°15'37
inferior conj	6729 Apr 10 05:48	21°♈22'30	3°27'03	minimum elong	6730 Mar 25 06:06	5°♈03'44	3°15'24
minimum elong	6729 Apr 10 05:17	21°♈24'07	3°27'00	min. Earth dist.	6730 Mar 26 08:26	3°♈35'49	0.67130 AU
min. Earth dist.	6729 Apr 11 21:19	19°♈18'00	0.65931 AU		6730 Mar 29 06:40	30°♈	
morning rise	6729 Apr 15 17:43	15°♈06'31		morning rise	6730 Mar 30 13:43	28°♈42'29	
direct	6729 Apr 22 04:23	12°♈18'30		direct	6730 Apr 05 12:56	26°♈02'38	
desc. node	6729 Apr 29 22:19	15°♈24'20			6730 Apr 14 01:20	0°♈	
morning max el	6729 May 05 04:03	20°♈00'37	26°34'42	desc. node	6730 Apr 16 19:19	2°♈29'03	
	6729 May 13 17:13	0°♈		morning max el	6730 Apr 17 13:37	3°♈14'35	25°18'26
	6729 Jun 02 11:26	0°♈			6730 May 07 22:42	0°♈	
morning set	6729 Jun 10 03:08	13°♈48'56		morning set	6730 May 23 16:55	26°♈09'09	
max. Earth dist.	6729 Jun 14 06:22	21°♈48'57	1.34570 AU		6730 May 25 19:36	0°♈	
	6729 Jun 18 07:37	0°♈		max. Earth dist.	6730 May 27 09:03	2°♈53'56	1.36387 AU
superior conj	6729 Jun 18 22:15	1°♈15'23	-0°25'02	superior conj	6730 Jun 02 12:03	14°♈43'18	-0°55'54
minimum elong	6729 Jun 18 23:38	1°♈22'34	0°24'49	minimum elong	6730 Jun 02 15:19	14°♈59'28	0°55'21
asc. node	6729 Jun 21 09:39	6°♈24'24		asc. node	6730 Jun 08 06:42	26°♈22'38	
evening rise	6729 Jun 26 11:37	17°♈03'32			6730 Jun 10 01:26	0°♈	
	6729 Jul 02 23:49	0°♈		evening rise	6730 Jun 10 16:42	1°♈17'22	
evening max el	6729 Jul 15 15:59	18°♈24'03	21°00'03	evening max el	6730 Jun 28 01:32	29°♈38'29	19°46'15
desc. node	6729 Jul 26 21:32	24°♈11'02			6730 Jun 28 10:26	0°♈	
retrograde	6729 Jul 27 09:23	24°♈11'37		retrograde	6730 Jul 08 02:07	4°♈34'03	
evening set	6729 Jul 29 14:33	24°♈00'01		evening set	6730 Jul 09 23:06	4°♈24'28	
inferior conj	6729 Aug 07 21:42	20°♈02'36	-3°27'53	desc. node	6730 Jul 13 18:34	3°♈12'03	
minimum elong	6729 Aug 07 12:52	20°♈15'04	3°25'09	inferior conj	6730 Jul 18 20:31	0°♈22'20	-1°32'16
min. Earth dist.	6729 Aug 08 11:55	19°♈42'31	0.54746 AU	minimum elong	6730 Jul 18 16:16	0°♈28'54	1°30'42
morning rise	6729 Aug 16 11:30	16°♈05'35			6730 Jul 19 10:54	30°♈	
direct	6729 Aug 20 05:24	15°♈35'30		min. Earth dist.	6730 Jul 21 00:08	29°♈02'39	0.55349 AU
morning max el	6729 Sep 02 03:02	21°♈44'31	22°47'49	morning rise	6730 Jul 27 07:19	25°♈57'05	
	6729 Sep 09 05:56	0°♈		direct	6730 Jul 31 19:31	25°♈12'11	
asc. node	6729 Sep 17 09:01	13°♈07'27			6730 Aug 12 07:17	0°♈	
morning set	6729 Sep 24 14:55	27°♈32'24		morning max el	6730 Aug 14 16:34	2°♈05'21	24°32'47
	6729 Sep 25 18:46	0°♈			6730 Sep 02 23:48	0°♈	
superior conj	6729 Oct 01 15:58	12°♈37'06	1°41'29	asc. node	6730 Sep 04 06:01	2°♈26'14	
minimum elong	6729 Oct 01 15:19	12°♈33'37	1°41'29	morning set	6730 Sep 09 02:41	12°♈24'04	
max. Earth dist.	6729 Oct 04 18:33	19°♈10'27	1.33875 AU	superior conj	6730 Sep 16 00:34	27°♈24'52	1°35'07
evening rise	6729 Oct 09 12:12	28°♈46'21		minimum elong	6730 Sep 15 22:57	27°♈16'03	1°34'59
	6729 Oct 10 03:15	0°♈			6730 Sep 17 05:05	0°♈	
desc. node	6729 Oct 22 20:39	22°♈36'48		max. Earth dist.	6730 Sep 17 20:36	1°♈23'58	1.32736 AU
	6729 Oct 27 15:24	0°♈		evening rise	6730 Sep 23 07:37	12°♈53'24	
evening max el	6729 Nov 13 02:45	20°♈28'49	27°12'17		6730 Oct 02 07:12	0°♈	
retrograde	6729 Nov 26 12:14	27°♈47'39		desc. node	6730 Oct 09 17:42	12°♈18'24	
evening set	6729 Dec 03 08:42	25°♈09'28			6730 Oct 23 00:44	0°♈	
min. Earth dist.	6729 Dec 07 05:47	21°♈29'21	0.64987 AU	evening max el	6730 Oct 26 13:48	3°♈38'04	27°28'07
inferior conj	6729 Dec 09 10:58	19°♈02'40	-1°38'30	retrograde	6730 Nov 09 06:35	10°♈55'27	
minimum elong	6729 Dec 09 13:54	18°♈54'36	1°37'14	evening set	6730 Nov 16 09:19	8°♈22'50	
asc. node	6729 Dec 14 08:22	14°♈23'32		min. Earth dist.	6730 Nov 20 01:55	5°♈14'07	0.63305 AU
morning rise	6729 Dec 15 20:21	13°♈31'38		inferior conj	6730 Nov 22 18:34	2°♈33'32	-2°44'52
direct	6729 Dec 18 11:28	12°♈55'06		minimum elong	6730 Nov 22 23:34	2°♈21'05	2°42'57
morning max el	6729 Dec 24 22:13	16°♈19'58	18°00'34		6730 Nov 25 11:28	30°♈	
	6730 Jan 03 20:16	0°♈		morning rise	6730 Nov 29 15:36	27°♈18'45	
morning set	6730 Jan 11 16:51	12°♈55'47		asc. node	6730 Dec 01 05:22	26°♈54'49	
desc. node	6730 Jan 18 19:54	24°♈39'19		direct	6730 Dec 02 00:49	26°♈51'38	
	6730 Jan 22 03:09	0°♈			6730 Dec 08 08:37	0°♈	
superior conj	6730 Jan 25 19:55	5°♈54'58	-0°48'13	morning max el	6730 Dec 08 15:26	0°♈16'32	17°48'48
minimum elong	6730 Jan 25 14:09	5°♈32'01	0°47'23	morning set	6730 Dec 24 22:49	25°♈20'04	
max. Earth dist.	6730 Jan 29 14:54	11°♈54'44	1.45170 AU		6730 Dec 27 15:16	0°♈	
	6730 Feb 10 05:46	0°♈		desc. node	6731 Jan 05 16:55	15°♈22'53	
evening rise	6730 Feb 11 01:00	1°♈14'13		superior conj	6731 Jan 06 02:10	16°♈01'09	-0°02'47
greatest brilliancy	6730 Feb 24 23:15	22°♈25'31	-0.6m	minimum elong	6731 Jan 06 01:52	15°♈59'55	0°02'40
	6730 Mar 02 06:06	0°♈		behind sun begin	6731 Jan 05 16:31	15°♈21'12	
evening max el	6730 Mar 08 18:17	7°♈58'36	19°48'25	behind sun end	6731 Jan 06 11:14	16°♈38'34	

max. Earth dist.	6731 Jan 12 08:29	26° Z 11'50	1.44216 AU		6732 Jan 07 13:31	0° \approx	
	6731 Jan 14 17:53	0° \approx			6732 Jan 28 22:24	0° H	
evening rise	6731 Jan 21 11:40	10° \approx 30'50		evening max el	6732 Feb 02 13:47	5° H 12'54	22°07'29
	6731 Feb 03 10:25	0° H		retrograde	6732 Feb 12 01:01	10° H 50'07	
evening max el	6731 Feb 19 18:37	21° H 34'33	20°52'51	asc. node	6732 Feb 14 01:36	10° H 28'50	
asc. node	6731 Feb 27 04:35	26° H 26'17		evening set	6732 Feb 16 13:39	9° H 00'16	
retrograde	6731 Feb 28 03:58	26° H 31'16		inferior conj	6732 Feb 21 21:46	2° H 39'49	2°21'24
evening set	6731 Mar 04 05:53	24° H 56'37		minimum elong	6732 Feb 21 19:26	2° H 47'55	2°20'43
inferior conj	6731 Mar 09 13:41	18° H 45'19	2°53'11	min. Earth dist.	6732 Feb 21 20:54	2° H 42'48	0.68246 AU
minimum elong	6731 Mar 09 11:31	18° H 52'46	2°52'42		6732 Feb 23 20:42	30° R \approx	
min. Earth dist.	6731 Mar 10 01:04	18° H 06'03	0.67898 AU	morning rise	6732 Feb 27 01:03	26° \approx 29'06	
morning rise	6731 Mar 14 16:57	12° H 31'06		direct	6732 Mar 02 20:26	24° \approx 26'38	
direct	6731 Mar 20 02:36	10° H 07'32			6732 Mar 12 07:56	0° H	
morning max el	6731 Mar 30 22:28	16° H 35'28	23°50'43	morning max el	6732 Mar 12 09:15	0° H 03'17	22°21'37
desc. node	6731 Apr 03 16:19	20° H 40'57		desc. node	6732 Mar 20 13:20	9° H 41'29	
	6731 Apr 11 00:41	0° Y			6732 Apr 03 20:05	0° Y	
	6731 Apr 30 23:03	0° B		morning set	6732 Apr 14 23:12	17° Y 26'45	
morning set	6731 May 05 09:26	7° B 26'14		max. Earth dist.	6732 Apr 20 01:42	25° Y 54'32	1.40743 AU
max. Earth dist.	6731 May 09 04:50	14° B 04'10	1.38520 AU		6732 Apr 22 11:18	0° B	
superior conj	6731 May 16 13:05	27° B 31'20	-1°25'48	superior conj	6732 Apr 27 21:02	9° B 29'36	-1°51'20
minimum elong	6731 May 16 18:00	27° B 54'32	1°25'08	minimum elong	6732 Apr 28 02:22	9° B 53'34	1°50'53
	6731 May 17 20:23	0° II		evening rise	6732 May 08 02:27	28° B 22'35	
evening rise	6731 May 25 14:44	15° II 06'25			6732 May 08 23:13	0° II	
asc. node	6731 May 26 03:44	16° II 09'55		asc. node	6732 May 12 00:46	5° II 41'42	
	6731 Jun 02 13:51	0° E		evening max el	6732 May 24 05:30	24° II 10'01	18°19'40
evening max el	6731 Jun 10 23:07	11° E 36'05	18°52'46	retrograde	6732 May 31 12:06	27° II 48'01	
retrograde	6731 Jun 19 09:35	15° E 45'24		evening set	6732 Jun 02 19:51	27° II 26'41	
evening set	6731 Jun 21 10:07	15° E 32'00		inferior conj	6732 Jun 10 02:54	22° II 48'34	1°46'52
inferior conj	6731 Jun 29 12:53	11° E 14'15	0°19'50	minimum elong	6732 Jun 10 05:59	22° II 42'05	1°45'52
minimum elong	6731 Jun 29 13:40	11° E 12'51	0°19'29	min. Earth dist.	6732 Jun 13 13:00	19° II 57'58	0.58824 AU
desc. node	6731 Jun 30 15:36	10° E 26'13		desc. node	6732 Jun 16 12:37	17° II 49'59	
min. Earth dist.	6731 Jul 02 16:03	9° E 00'39	0.56805 AU	morning rise	6732 Jun 17 13:00	17° II 14'26	
morning rise	6731 Jul 07 13:48	6° E 12'21		direct	6732 Jun 23 17:37	15° II 31'47	
direct	6731 Jul 12 23:36	5° E 02'00		morning max el	6732 Jul 08 02:48	23° II 18'17	27°17'20
morning max el	6731 Jul 27 06:59	12° E 28'02	26°07'45		6732 Jul 14 02:43	0° E	
	6731 Aug 09 23:25	0° O			6732 Aug 02 01:14	0° O	
asc. node	6731 Aug 22 03:01	22° O 05'15		morning set	6732 Aug 07 22:09	11° O 48'27	
morning set	6731 Aug 24 13:38	27° O 11'02		asc. node	6732 Aug 08 00:03	11° O 58'26	
	6731 Aug 25 21:14	0° P					
superior conj	6731 Aug 31 11:41	12° P 17'24	1°23'18	superior conj	6732 Aug 14 23:29	27° O 08'42	1°06'36
minimum elong	6731 Aug 31 09:31	12° P 05'28	1°23'01	minimum elong	6732 Aug 14 21:14	26° O 56'14	1°06'12
max. Earth dist.	6731 Sep 01 04:34	13° P 50'35	1.32042 AU	max. Earth dist.	6732 Aug 14 15:17	26° O 23'13	1.31789 AU
evening rise	6731 Sep 07 10:31	27° P 20'13			6732 Aug 16 06:25	0° P	
	6731 Sep 08 17:21	0° A		evening rise	6732 Aug 21 18:26	11° P 59'28	
	6731 Sep 25 15:57	0° M			6732 Aug 30 21:14	0° A	
desc. node	6731 Sep 26 14:44	1° M 23'11		desc. node	6732 Sep 12 11:46	19° A 36'39	
evening max el	6731 Oct 08 20:51	16° M 10'59	27°12'11	evening max el	6732 Sep 19 21:23	27° A 57'13	26°22'33
retrograde	6731 Oct 22 17:40	23° M 23'15			6732 Sep 22 04:58	0° M	
evening set	6731 Oct 29 19:32	21° M 07'32		retrograde	6732 Oct 03 19:47	5° M 03'41	
min. Earth dist.	6731 Nov 02 11:35	18° M 22'27	0.61359 AU	evening set	6732 Oct 10 10:42	3° M 16'10	
inferior conj	6731 Nov 05 13:22	15° M 40'18	-3°50'14	min. Earth dist.	6732 Oct 14 10:46	0° M 41'29	0.59286 AU
minimum elong	6731 Nov 05 19:57	15° M 25'47	3°48'12		6732 Oct 15 08:55	30° R A	
morning rise	6731 Nov 12 22:30	10° M 44'50		inferior conj	6732 Oct 17 15:57	28° A 13'46	-4°47'01
direct	6731 Nov 15 04:51	10° M 23'33		minimum elong	6732 Oct 17 22:20	28° A 01'30	4°45'42
asc. node	6731 Nov 18 02:22	10° M 59'45		morning rise	6732 Oct 25 12:09	23° A 40'23	
morning max el	6731 Nov 22 06:40	13° M 57'01	17°55'20	direct	6732 Oct 27 19:26	23° A 21'49	
	6731 Dec 03 05:10	0° J		asc. node	6732 Nov 03 23:23	26° A 32'38	
morning set	6731 Dec 07 23:52	8° J 38'30		morning max el	6732 Nov 04 16:33	27° A 12'21	18°21'36
					6732 Nov 07 05:10	0° M	
				morning set	6732 Nov 20 14:22	22° M 34'27	
					6732 Nov 24 11:43	0° J	
superior conj	6731 Dec 18 10:26	27° J 22'24	0°36'48				
minimum elong	6731 Dec 18 13:23	27° J 35'15	0°36'25				
	6731 Dec 19 22:53	0° Z		superior conj	6732 Nov 29 17:56	9° J 50'19	1°06'56
desc. node	6731 Dec 23 13:56	6° Z 09'14		minimum elong	6732 Nov 29 21:35	10° J 07'04	1°06'31
max. Earth dist.	6731 Dec 25 21:57	10° Z 01'37	1.42664 AU	max. Earth dist.	6732 Dec 07 06:52	23° J 13'33	1.40702 AU
evening rise	6732 Jan 01 06:02	20° Z 13'59		desc. node	6732 Dec 09 10:56	26° J 54'36	

	6732 Dec 11 07:24	0° Z		desc. node	6733 Nov 26 07:57	17° Z 35'47	
evening rise	6732 Dec 11 19:24	0° Z 49'31			6733 Dec 04 00:34	0° Z	
	6732 Dec 30 23:49	0° \approx			6733 Dec 26 05:13	0° \approx	
evening max el	6733 Jan 15 05:05	18° \approx 54'13	23°27'11	evening max el	6733 Dec 28 18:19	2° \approx 38'56	24°45'37
retrograde	6733 Jan 25 19:16	25° \approx 09'39		retrograde	6734 Jan 09 09:42	9° \approx 25'48	
evening set	6733 Jan 30 19:59	23° \approx 04'36		evening set	6734 Jan 14 23:25	7° \approx 06'35	
asc. node	6733 Jan 30 22:38	22° \approx 58'58		asc. node	6734 Jan 17 19:41	4° \approx 08'33	
min. Earth dist.	6733 Feb 04 17:37	17° \approx 20'59	0.68196 AU	min. Earth dist.	6734 Jan 19 13:00	1° \approx 57'11	0.67765 AU
inferior conj	6733 Feb 05 05:58	16° \approx 38'36	1°41'16	inferior conj	6734 Jan 20 12:33	0° \approx 39'12	0°53'36
minimum elong	6733 Feb 05 03:57	16° \approx 45'33	1°40'35	minimum elong	6734 Jan 20 11:19	0° \approx 43'20	0°53'10
morning rise	6733 Feb 10 11:51	10° \approx 32'56			6734 Jan 21 00:26	30° R Z	
direct	6733 Feb 14 17:14	8° \approx 53'14		morning rise	6734 Jan 25 23:24	24° Z 40'15	
morning max el	6733 Feb 23 01:43	13° \approx 41'36	20°59'18	direct	6734 Jan 29 15:48	23° Z 22'23	
desc. node	6733 Mar 07 10:19	29° \approx 16'40		morning max el	6734 Feb 06 02:06	27° Z 32'38	19°49'08
	6733 Mar 07 22:32	0° H			6734 Feb 08 08:46	0° \approx	
morning set	6733 Mar 25 09:47	26° H 12'47		greatest brilliancy	6734 Feb 19 01:20	14° \approx 28'04	-0.6m
	6733 Mar 27 19:31	0° Y		desc. node	6734 Feb 22 07:18	19° \approx 17'17	
max. Earth dist.	6733 Apr 02 05:27	8° Y 41'43	1.42762 AU		6734 Mar 01 08:54	0° H	
				morning set	6734 Mar 04 06:36	4° H 27'42	
superior conj	6733 Apr 09 06:59	20° Y 26'34	-2°07'40	max. Earth dist.	6734 Mar 15 16:36	22° H 18'45	1.44313 AU
minimum elong	6733 Apr 09 10:01	20° Y 39'28	2°07'36		6734 Mar 20 11:37	0° Y	
	6733 Apr 14 19:53	0° B					
evening rise	6733 Apr 20 23:42	10° B 56'00		superior conj	6734 Mar 20 15:49	0° Y 17'03	-2°08'55
asc. node	6733 Apr 28 21:49	24° B 51'51		minimum elong	6734 Mar 20 13:00	0° Y 05'37	2°08'51
	6733 May 02 02:33	0° II		evening rise	6734 Apr 03 02:00	22° Y 37'47	
evening max el	6733 May 07 16:54	7° II 10'05	18°06'17		6734 Apr 07 09:56	0° B	
retrograde	6733 May 14 07:35	10° II 33'09		asc. node	6734 Apr 15 18:52	13° B 33'30	
evening set	6733 May 16 22:30	10° II 01'13		evening max el	6734 Apr 21 06:00	20° B 28'00	18°12'00
inferior conj	6733 May 23 12:50	5° II 02'32	2°44'21	retrograde	6734 Apr 27 15:30	23° B 51'03	
minimum elong	6733 May 23 15:49	4° II 55'17	2°43'39	evening set	6734 Apr 30 13:07	23° B 06'57	
min. Earth dist.	6733 May 26 17:11	1° II 58'41	0.61054 AU	inferior conj	6734 May 06 14:51	17° B 49'14	3°16'06
	6733 May 29 00:52	30° R B		minimum elong	6734 May 06 16:34	17° B 44'29	3°15'51
morning rise	6733 May 30 06:57	29° B 05'56		min. Earth dist.	6734 May 09 06:33	14° B 55'20	0.63194 AU
desc. node	6733 Jun 03 09:39	27° B 11'29		morning rise	6734 May 12 18:43	11° B 39'52	
direct	6733 Jun 05 23:04	26° B 52'02		direct	6734 May 19 14:02	9° B 02'46	
	6733 Jun 14 12:14	0° II		desc. node	6734 May 21 06:41	9° B 11'40	
morning max el	6733 Jun 20 05:17	4° II 50'08	27°51'33	morning max el	6734 Jun 02 13:02	17° B 04'25	27°47'39
	6733 Jul 08 23:15	0° B			6734 Jun 13 06:22	0° II	
morning set	6733 Jul 23 02:23	26° B 10'30			6734 Jul 01 17:55	0° B	
	6733 Jul 24 22:24	0° Ω		morning set	6734 Jul 07 00:10	10° B 10'56	
asc. node	6733 Jul 25 21:04	2° Ω 00'14		max. Earth dist.	6734 Jul 12 05:23	20° B 58'33	1.32603 AU
max. Earth dist.	6733 Jul 29 00:53	8° Ω 49'53	1.31969 AU	asc. node	6734 Jul 12 18:06	22° B 06'21	
superior conj	6733 Jul 30 10:13	11° Ω 52'47	0°45'29	superior conj	6734 Jul 14 18:04	26° B 24'09	0°20'28
minimum elong	6733 Jul 30 08:22	11° Ω 42'35	0°45'04	minimum elong	6734 Jul 14 17:07	26° B 18'56	0°20'12
evening rise	6733 Aug 06 05:14	26° Ω 44'01			6734 Jul 16 09:52	0° Ω	
	6733 Aug 07 18:15	0° H		evening rise	6734 Jul 21 17:00	11° Ω 27'54	
	6733 Aug 24 22:10	0° B			6734 Jul 31 02:49	0° H	
desc. node	6733 Aug 30 08:48	6° B 38'19		evening max el	6734 Aug 14 01:48	19° H 15'11	23°27'32
evening max el	6733 Sep 01 14:00	8° B 53'42	25°03'39	desc. node	6734 Aug 17 05:52	22° H 00'08	
retrograde	6733 Sep 15 11:18	15° B 54'31		retrograde	6734 Aug 27 14:54	26° H 02'37	
evening set	6733 Sep 21 02:17	14° B 42'44		evening set	6734 Aug 31 18:30	25° H 24'51	
min. Earth dist.	6733 Sep 26 01:23	12° B 00'27	0.57296 AU	min. Earth dist.	6734 Sep 07 11:24	22° H 16'48	0.55698 AU
inferior conj	6733 Sep 28 23:09	10° B 04'33	-5°22'27	inferior conj	6734 Sep 09 10:14	21° H 07'33	-5°18'59
minimum elong	6733 Sep 29 01:56	9° B 59'55	5°22'14	minimum elong	6734 Sep 09 06:12	21° H 13'32	5°18'38
morning rise	6733 Oct 07 03:51	5° B 54'13		morning rise	6734 Sep 17 20:14	17° H 14'51	
direct	6733 Oct 09 16:24	5° B 35'47		direct	6734 Sep 20 17:37	16° H 54'28	
morning max el	6733 Oct 18 17:37	9° B 53'10	19°09'19	morning max el	6734 Oct 01 06:59	21° H 49'53	20°19'15
asc. node	6733 Oct 21 20:25	13° B 19'34			6734 Oct 08 00:21	0° B	
	6733 Nov 01 01:00	0° M		asc. node	6734 Oct 08 17:28	1° B 04'30	
morning set	6733 Nov 04 14:10	6° M 56'17		morning set	6734 Oct 19 20:03	21° B 34'06	
					6734 Oct 23 22:18	0° M	
superior conj	6733 Nov 12 19:34	23° M 11'01	1°27'15				
minimum elong	6733 Nov 12 22:25	23° M 24'46	1°27'02	superior conj	6734 Oct 27 10:20	7° M 09'19	1°38'41
	6733 Nov 16 09:38	0° Z		minimum elong	6734 Oct 27 11:48	7° M 16'44	1°38'40
max. Earth dist.	6733 Nov 19 12:37	5° Z 44'26	1.38562 AU	max. Earth dist.	6734 Nov 01 19:11	17° M 44'08	1.36497 AU
evening rise	6733 Nov 23 07:15	12° Z 25'39		evening rise	6734 Nov 05 15:37	24° M 56'48	

	6734 Nov 08 11:07	0°♊		morning set	6735 Oct 04 05:41	6°♊21'23	
desc. node	6734 Nov 13 04:59	8°♊07'57					
	6734 Nov 27 14:28	0°♊		superior conj	6735 Oct 11 10:18	21°♊33'39	1°42'25
evening max el	6734 Dec 11 07:04	16°♊24'12	25°55'57	minimum elong	6735 Oct 11 10:22	21°♊33'57	1°42'27
retrograde	6734 Dec 23 19:28	23°♊32'17		max. Earth dist.	6735 Oct 15 07:52	29°♊36'26	1.34720 AU
evening set	6734 Dec 29 22:11	21°♊01'38			6735 Oct 15 12:32	0°♊	
min. Earth dist.	6735 Jan 03 04:47	16°♊26'53	0.66964 AU	evening rise	6735 Oct 19 16:40	8°♊13'25	
inferior conj	6735 Jan 04 15:38	14°♊37'43	-0°00'57	desc. node	6735 Oct 31 02:02	28°♊25'58	
minimum elong	6735 Jan 04 15:39	14°♊37'39	0°00'52		6735 Nov 01 01:13	0°♊	
transit middle	6735 Jan 04 15:39	14°♊37'39	0°00'52		6735 Nov 23 18:17	0°♊	
transit begin	6735 Jan 04 12:49	14°♊46'34		evening max el	6735 Nov 23 20:05	0°♊04'20	26°50'45
transit end	6735 Jan 04 18:29	14°♊28'46		retrograde	6735 Dec 06 23:46	7°♊22'12	
asc. node	6735 Jan 04 16:45	14°♊34'12		evening set	6735 Dec 13 14:21	4°♊45'00	
morning rise	6735 Jan 10 09:40	8°♊47'30		min. Earth dist.	6735 Dec 17 14:44	0°♊44'58	0.65805 AU
direct	6735 Jan 13 14:38	7°♊48'41			6735 Dec 18 06:20	30°♊♊	
morning max el	6735 Jan 20 10:06	11°♊32'55	18°53'57	inferior conj	6735 Dec 19 13:06	28°♊30'08	-1°01'28
	6735 Feb 02 23:41	0°♊		minimum elong	6735 Dec 19 14:51	28°♊25'01	1°00'40
desc. node	6735 Feb 09 04:18	9°♊35'54		asc. node	6735 Dec 22 13:47	25°♊11'51	
morning set	6735 Feb 11 14:12	13°♊21'49		morning rise	6735 Dec 25 16:21	22°♊51'03	
	6735 Feb 22 05:45	0°♊		direct	6735 Dec 28 11:50	22°♊07'33	
max. Earth dist.	6735 Feb 26 08:54	6°♊28'21	1.45221 AU	morning max el	6736 Jan 03 23:49	25°♊36'53	18°15'07
					6736 Jan 07 17:48	0°♊	
superior conj	6735 Feb 28 03:00	9°♊13'46	-1°50'30	morning set	6736 Jan 23 01:23	23°♊40'55	
minimum elong	6735 Feb 27 18:16	8°♊39'26	1°49'49		6736 Jan 26 23:26	0°♊	
	6735 Mar 13 03:48	0°♊		desc. node	6736 Jan 27 01:17	0°♊07'25	
evening rise	6735 Mar 15 05:32	3°♊21'21					
	6735 Apr 01 08:56	0°♊		superior conj	6736 Feb 07 07:04	17°♊58'29	-1°14'00
asc. node	6735 Apr 02 15:56	1°♊37'27		minimum elong	6736 Feb 06 22:31	17°♊24'53	1°12'57
evening max el	6735 Apr 04 17:58	3°♊56'40	18°36'10	max. Earth dist.	6736 Feb 09 03:55	20°♊54'26	1.45405 AU
retrograde	6735 Apr 11 07:25	7°♊32'40			6736 Feb 14 23:29	0°♊	
evening set	6735 Apr 14 11:51	6°♊35'20		evening rise	6736 Feb 23 10:18	13°♊11'27	
inferior conj	6735 Apr 20 04:48	1°♊00'22	3°27'42		6736 Mar 05 05:54	0°♊	
minimum elong	6735 Apr 20 05:03	0°♊59'37	3°27'39	greatest brilliancy	6736 Mar 05 22:41	1°♊04'01	-0.7m
	6735 Apr 21 00:42	30°♊♊		evening max el	6736 Mar 18 02:31	17°♊30'27	19°17'36
min. Earth dist.	6735 Apr 22 05:18	28°♊34'12	0.65040 AU	asc. node	6736 Mar 19 12:59	18°♊51'53	
morning rise	6735 Apr 25 21:33	24°♊45'21		retrograde	6736 Mar 25 03:48	21°♊30'43	
direct	6735 May 02 13:00	21°♊57'23		evening set	6736 Mar 28 15:44	20°♊19'19	
desc. node	6735 May 08 03:43	23°♊35'41		inferior conj	6736 Apr 03 03:08	14°♊28'40	3°23'41
morning max el	6735 May 15 23:10	29°♊51'26	27°09'22	minimum elong	6736 Apr 03 02:08	14°♊31'55	3°23'34
	6735 May 16 02:33	0°♊		min. Earth dist.	6736 Apr 04 12:20	12°♊41'08	0.66496 AU
	6735 Jun 07 04:55	0°♊		morning rise	6736 Apr 08 12:10	8°♊12'21	
morning set	6735 Jun 20 12:39	23°♊41'48		direct	6736 Apr 14 18:27	5°♊26'14	
	6735 Jun 23 17:21	0°♊		desc. node	6736 Apr 24 00:43	9°♊50'34	
max. Earth dist.	6735 Jun 25 00:56	2°♊39'49	1.33709 AU	morning max el	6736 Apr 27 09:03	12°♊57'42	26°04'13
					6736 May 11 02:46	0°♊	
superior conj	6735 Jun 28 21:00	10°♊37'11	-0°07'45		6736 May 29 21:49	0°♊	
minimum elong	6735 Jun 28 21:25	10°♊39'22	0°07'44	morning set	6736 Jun 02 12:00	6°♊31'15	
behind sun begin	6735 Jun 28 16:29	10°♊13'24		max. Earth dist.	6736 Jun 06 09:12	13°♊52'25	1.35290 AU
behind sun end	6735 Jun 29 02:21	11°♊05'21					
asc. node	6735 Jun 29 15:09	12°♊12'57		superior conj	6736 Jun 11 16:25	24°♊23'52	-0°38'06
evening rise	6735 Jul 06 03:51	26°♊05'28		minimum elong	6736 Jun 11 18:35	24°♊34'53	0°37'43
	6735 Jul 08 00:53	0°♊			6736 Jun 14 10:00	0°♊	
evening max el	6735 Jul 26 17:08	29°♊36'05	21°50'43	asc. node	6736 Jun 15 12:10	2°♊15'18	
	6735 Jul 27 03:03	0°♊		evening rise	6736 Jun 19 11:39	10°♊29'37	
desc. node	6735 Aug 04 02:56	5°♊09'27			6736 Jun 29 20:05	0°♊	
retrograde	6735 Aug 08 07:16	5°♊50'44		evening max el	6736 Jul 07 19:16	10°♊26'29	20°26'20
evening set	6735 Aug 11 00:47	5°♊34'00		retrograde	6736 Jul 18 19:33	15°♊51'30	
inferior conj	6735 Aug 20 06:29	1°♊32'43	-4°22'48	evening set	6736 Jul 20 19:16	15°♊41'40	
minimum elong	6735 Aug 19 21:28	1°♊45'21	4°20'37	desc. node	6736 Jul 20 23:59	15°♊39'39	
min. Earth dist.	6735 Aug 19 20:51	1°♊46'13	0.54826 AU	inferior conj	6736 Jul 30 00:01	11°♊44'27	-2°40'30
	6735 Aug 23 02:16	30°♊♊		minimum elong	6736 Jul 29 16:42	11°♊55'05	2°37'58
morning rise	6735 Aug 28 19:30	27°♊42'40		min. Earth dist.	6736 Jul 31 07:35	10°♊58'39	0.54889 AU
direct	6735 Sep 01 04:45	27°♊17'27		morning rise	6736 Aug 07 13:17	7°♊37'15	
	6735 Sep 09 13:00	0°♊		direct	6736 Aug 11 14:39	7°♊01'47	
morning max el	6735 Sep 13 07:58	2°♊59'44	21°49'21	morning max el	6736 Aug 24 23:38	13°♊30'55	23°32'32
asc. node	6735 Sep 25 14:29	19°♊34'17			6736 Sep 06 14:59	0°♊	
	6735 Oct 01 03:21	0°♊		asc. node	6736 Sep 11 11:30	8°♊37'30	

morning set	6736 Sep 17 17:07	21° \mathbb{M} 12'22		morning set	6737 Aug 30 07:09	0° \mathbb{M}	
	6736 Sep 21 19:16	0° \mathbb{L}			6737 Sep 02 04:42	6° \mathbb{M} 02'18	
superior conj	6736 Sep 24 16:25	6° \mathbb{L} 14'27	1°39'29	superior conj	6737 Sep 09 02:16	21° \mathbb{M} 04'27	1°30'43
minimum elong	6736 Sep 24 15:18	6° \mathbb{L} 08'28	1°39'26	minimum elong	6737 Sep 09 00:22	20° \mathbb{M} 54'01	1°30'31
max. Earth dist.	6736 Sep 27 05:18	11° \mathbb{L} 40'12	1.33339 AU	max. Earth dist.	6737 Sep 10 10:26	24° \mathbb{M} 00'40	1.32392 AU
evening rise	6736 Oct 02 06:22	22° \mathbb{L} 04'32			6737 Sep 13 04:52	0° \mathbb{L}	
	6736 Oct 06 08:19	0° \mathbb{M}		evening rise	6737 Sep 16 05:17	6° \mathbb{L} 20'38	
desc. node	6736 Oct 16 23:06	18° \mathbb{M} 23'07			6737 Sep 28 21:24	0° \mathbb{M}	
	6736 Oct 24 20:16	0° \mathbb{X}		desc. node	6737 Oct 03 20:09	7° \mathbb{M} 50'23	
evening max el	6736 Nov 05 08:36	13° \mathbb{X} 29'06	27°22'46	evening max el	6737 Oct 18 18:25	26° \mathbb{M} 24'37	27°25'30
retrograde	6736 Nov 18 21:50	20° \mathbb{X} 47'35			6737 Oct 23 01:36	0° \mathbb{X}	
evening set	6736 Nov 25 21:28	18° \mathbb{X} 10'58		retrograde	6737 Nov 01 12:52	3° \mathbb{X} 39'07	
min. Earth dist.	6736 Nov 29 16:31	14° \mathbb{X} 44'29	0.64304 AU	evening set	6737 Nov 08 16:25	1° \mathbb{X} 12'23	
inferior conj	6736 Dec 02 02:34	12° \mathbb{X} 10'56	-2°06'28		6737 Nov 10 07:29	30° \mathbb{R} \mathbb{M}	
minimum elong	6736 Dec 02 06:22	12° \mathbb{X} 00'49	2°04'54	min. Earth dist.	6737 Nov 12 08:11	28° \mathbb{M} 15'03	0.62502 AU
asc. node	6736 Dec 08 10:48	6° \mathbb{X} 52'37		inferior conj	6737 Nov 15 05:06	25° \mathbb{M} 32'23	-3°13'07
morning rise	6736 Dec 08 16:44	6° \mathbb{X} 46'06		minimum elong	6737 Nov 15 10:54	25° \mathbb{M} 18'39	3°11'03
direct	6736 Dec 11 05:02	6° \mathbb{X} 13'58		morning rise	6737 Nov 22 07:16	20° \mathbb{M} 25'17	
morning max el	6736 Dec 17 16:32	9° \mathbb{X} 37'56	17°53'22	direct	6737 Nov 24 15:00	20° \mathbb{M} 00'55	
	6736 Dec 31 12:27	0° \mathbb{Z}		asc. node	6737 Nov 25 07:50	20° \mathbb{M} 03'12	
morning set	6737 Jan 03 17:27	5° \mathbb{Z} 25'32		morning max el	6737 Dec 01 09:15	23° \mathbb{M} 28'11	17°49'20
desc. node	6737 Jan 12 22:17	20° \mathbb{Z} 47'51			6737 Dec 06 13:39	0° \mathbb{X}	
				morning set	6737 Dec 17 08:18	18° \mathbb{X} 15'11	
superior conj	6737 Jan 16 23:50	27° \mathbb{Z} 24'36	-0°28'38		6737 Dec 24 00:20	0° \mathbb{Z}	
minimum elong	6737 Jan 16 20:30	27° \mathbb{Z} 11'11	0°28'06				
	6737 Jan 18 14:29	0° \mathbb{X}		superior conj	6737 Dec 28 17:05	8° \mathbb{Z} 02'32	0°15'04
max. Earth dist.	6737 Jan 21 23:18	5° \mathbb{X} 21'43	1.44849 AU	minimum elong	6737 Dec 28 18:32	8° \mathbb{Z} 08'37	0°14'55
evening rise	6737 Feb 01 23:45	22° \mathbb{X} 31'10		behind sun begin	6737 Dec 28 15:11	7° \mathbb{Z} 54'30	
	6737 Feb 06 21:14	0° \mathbb{X}		behind sun end	6737 Dec 28 21:53	8° \mathbb{Z} 22'43	
greatest brilliancy	6737 Feb 16 15:06	14° \mathbb{X} 35'07	-0.6m	desc. node	6737 Dec 30 19:18	11° \mathbb{Z} 32'55	
	6737 Feb 28 04:57	0° \mathbb{Y}		max. Earth dist.	6738 Jan 04 15:57	19° \mathbb{Z} 31'14	1.43619 AU
evening max el	6737 Mar 01 06:11	1° \mathbb{Y} 06'53	20°14'20		6738 Jan 11 06:22	0° \mathbb{X}	
asc. node	6737 Mar 06 10:01	5° \mathbb{Y} 03'35		evening rise	6738 Jan 12 11:54	1° \mathbb{X} 54'53	
retrograde	6737 Mar 09 02:02	5° \mathbb{Y} 40'39			6738 Jan 31 10:29	0° \mathbb{X}	
evening set	6737 Mar 12 22:34	4° \mathbb{Y} 14'31		evening max el	6738 Feb 12 04:14	14° \mathbb{X} 43'48	21°23'34
	6737 Mar 16 22:11	30° \mathbb{R} \mathbb{X}		retrograde	6738 Feb 21 00:04	19° \mathbb{X} 57'23	
inferior conj	6737 Mar 18 07:03	28° \mathbb{X} 10'06	3°07'19	asc. node	6738 Feb 21 07:03	19° \mathbb{X} 56'57	
minimum elong	6737 Mar 18 05:11	28° \mathbb{X} 16'26	3°06'59	evening set	6738 Feb 25 06:28	18° \mathbb{X} 16'03	
min. Earth dist.	6737 Mar 19 01:58	27° \mathbb{X} 05'52	0.67517 AU	inferior conj	6738 Mar 02 14:10	12° \mathbb{X} 00'24	2°40'44
morning rise	6737 Mar 23 11:35	21° \mathbb{X} 54'51		minimum elong	6738 Mar 02 11:53	12° \mathbb{X} 08'19	2°40'11
direct	6737 Mar 29 05:19	19° \mathbb{X} 21'03		min. Earth dist.	6738 Mar 02 20:08	11° \mathbb{X} 39'42	0.68100 AU
morning max el	6737 Apr 09 17:58	26° \mathbb{X} 14'53	24°41'51	morning rise	6738 Mar 07 17:09	5° \mathbb{X} 47'43	
desc. node	6737 Apr 10 21:41	27° \mathbb{X} 26'51		direct	6738 Mar 12 20:44	3° \mathbb{X} 32'57	
	6737 Apr 13 04:54	0° \mathbb{Y}		morning max el	6738 Mar 23 03:19	9° \mathbb{X} 38'52	23°12'30
	6737 May 04 16:29	0° \mathbb{Z}		desc. node	6738 Mar 28 18:40	16° \mathbb{X} 01'16	
morning set	6737 May 15 17:24	18° \mathbb{Z} 26'19			6738 Apr 08 04:02	0° \mathbb{Y}	
max. Earth dist.	6737 May 19 08:13	24° \mathbb{Z} 56'06	1.37276 AU	morning set	6738 Apr 26 23:06	29° \mathbb{Y} 12'01	
	6737 May 22 01:49	0° \mathbb{I}			6738 Apr 27 10:32	0° \mathbb{Z}	
superior conj	6737 May 26 01:17	7° \mathbb{I} 36'20	-1°08'52	max. Earth dist.	6738 May 01 04:05	6° \mathbb{Z} 22'12	1.39480 AU
minimum elong	6737 May 26 05:18	7° \mathbb{I} 55'55	1°08'15				
asc. node	6737 Jun 02 09:12	22° \mathbb{I} 09'33		superior conj	6738 May 08 19:37	20° \mathbb{Z} 04'27	-1°37'24
evening rise	6737 Jun 03 14:04	24° \mathbb{I} 33'59		minimum elong	6738 May 09 00:56	20° \mathbb{Z} 29'05	1°36'48
	6737 Jun 06 08:01	0° \mathbb{Z}			6738 May 14 02:07	0° \mathbb{I}	
evening max el	6737 Jun 20 10:14	21° \mathbb{Z} 59'32	19°20'53	evening rise	6738 May 18 08:11	8° \mathbb{I} 10'27	
retrograde	6737 Jun 29 17:20	26° \mathbb{Z} 33'42		asc. node	6738 May 20 06:14	11° \mathbb{I} 51'03	
evening set	6737 Jul 01 15:12	26° \mathbb{Z} 22'56			6738 May 30 21:45	0° \mathbb{Z}	
desc. node	6737 Jul 07 21:00	23° \mathbb{Z} 44'09		evening max el	6738 Jun 03 11:56	4° \mathbb{Z} 13'19	18°36'07
inferior conj	6737 Jul 10 05:12	22° \mathbb{Z} 14'52	-0°42'28	retrograde	6738 Jun 11 09:12	8° \mathbb{Z} 07'41	
minimum elong	6737 Jul 10 03:19	22° \mathbb{Z} 17'57	0°41'49	evening set	6738 Jun 13 12:35	7° \mathbb{Z} 51'22	
min. Earth dist.	6737 Jul 12 20:50	20° \mathbb{Z} 31'08	0.55888 AU	inferior conj	6738 Jun 21 06:44	3° \mathbb{Z} 24'48	1°00'24
morning rise	6737 Jul 18 12:41	17° \mathbb{Z} 34'38		minimum elong	6738 Jun 21 08:51	3° \mathbb{Z} 20'43	0°59'36
direct	6737 Jul 23 10:11	16° \mathbb{Z} 40'10		min. Earth dist.	6738 Jun 24 14:32	0° \mathbb{Z} 53'01	0.57615 AU
morning max el	6737 Aug 06 12:35	23° \mathbb{Z} 47'55	25°15'24	desc. node	6738 Jun 24 17:59	0° \mathbb{Z} 46'44	
	6737 Aug 12 03:49	0° \mathbb{Q}			6738 Jun 25 20:40	30° \mathbb{R} \mathbb{I}	
asc. node	6737 Aug 29 08:30	28° \mathbb{Q} 05'37		morning rise	6738 Jun 29 01:43	28° \mathbb{I} 08'01	
				direct	6738 Jul 04 19:56	26° \mathbb{I} 44'43	

	6738 Jul 13 23:26	0°☿		morning max el	6739 Jul 01 04:04	15°☿28'39	27°36'33
morning max el	6738 Jul 19 05:09	4°☿20'34	26°41'21		6739 Jul 12 23:23	0°☿	
	6738 Aug 06 21:22	0°♊			6739 Jul 30 07:40	0°♊	
asc. node	6738 Aug 16 05:31	17°♊51'47		morning set	6739 Aug 01 21:50	5°♊18'30	
morning set	6738 Aug 17 14:52	20°♊46'31		asc. node	6739 Aug 03 02:32	7°♊49'22	
	6738 Aug 21 21:13	0°♋		max. Earth dist.	6739 Aug 08 06:48	19°♊03'27	1.31805 AU
superior conj	6738 Aug 24 13:55	5°♋57'32	1°16'47	superior conj	6739 Aug 09 01:30	20°♊46'47	0°58'10
minimum elong	6738 Aug 24 11:40	5°♋45'03	1°16'26	minimum elong	6739 Aug 08 23:22	20°♊34'56	0°57'44
max. Earth dist.	6738 Aug 24 20:11	6°♋32'12	1.31879 AU		6739 Aug 13 05:50	0°♋	
evening rise	6738 Aug 31 10:37	20°♋53'53		evening rise	6739 Aug 15 20:00	5°♋36'08	
	6738 Sep 04 21:37	0°♌			6739 Aug 28 14:29	0°♌	
desc. node	6738 Sep 20 17:11	26°♌35'55		desc. node	6739 Sep 07 14:13	14°♌22'00	
	6738 Sep 23 06:10	0°♍		evening max el	6739 Sep 12 19:46	20°♌02'25	25°52'01
evening max el	6738 Sep 30 22:50	8°♍38'26	26°55'03	retrograde	6739 Sep 26 18:36	27°♌07'41	
retrograde	6738 Oct 14 20:17	15°♍48'25		evening set	6739 Oct 03 00:50	25°♌34'45	
evening set	6738 Oct 21 19:12	13°♍43'00		min. Earth dist.	6739 Oct 07 08:20	22°♌59'04	0.58408 AU
min. Earth dist.	6738 Oct 25 13:04	11°♍04'42	0.60482 AU	inferior conj	6739 Oct 10 12:05	20°♌42'31	-5°05'38
inferior conj	6738 Oct 28 17:28	8°♍26'21	-4°16'00	minimum elong	6739 Oct 10 17:26	20°♌32'50	5°04'49
minimum elong	6738 Oct 29 00:16	8°♍12'11	4°14'10	morning rise	6739 Oct 18 12:21	16°♌19'17	
morning rise	6738 Nov 05 07:34	3°♍40'22		direct	6739 Oct 20 21:10	16°♌01'13	
direct	6738 Nov 07 13:52	3°♍20'34		morning max el	6739 Oct 29 05:23	20°♌02'06	18°39'13
asc. node	6738 Nov 12 04:50	4°♍47'25		asc. node	6739 Oct 30 01:53	20°♌53'37	
morning max el	6738 Nov 14 22:44	6°♍59'48	18°04'06		6739 Nov 05 17:38	0°♎	
	6738 Nov 29 15:45	0°♏		morning set	6739 Nov 14 10:35	15°♎59'13	
morning set	6738 Nov 30 15:42	1°♏51'26			6739 Nov 21 16:30	0°♏	
superior conj	6738 Dec 10 11:54	19°♏54'26	0°50'47	superior conj	6739 Nov 23 03:46	2°♏46'30	1°16'41
minimum elong	6738 Dec 10 15:25	20°♏10'00	0°50'20	minimum elong	6739 Nov 23 07:12	3°♏02'36	1°16'21
	6738 Dec 16 07:17	0°♐		max. Earth dist.	6739 Nov 30 10:05	15°♏57'32	1.39794 AU
desc. node	6738 Dec 17 16:20	2°♐19'29		evening rise	6739 Dec 04 12:18	22°♏59'02	
max. Earth dist.	6738 Dec 18 03:28	3°♐06'04	1.41862 AU	desc. node	6739 Dec 04 13:22	23°♏03'31	
evening rise	6738 Dec 23 13:25	11°♐57'57			6739 Dec 08 18:28	0°♑	
	6739 Jan 04 06:31	0°♒			6739 Dec 29 04:45	0°♒	
evening max el	6739 Jan 25 21:24	28°♒22'33	22°41'01	evening max el	6740 Jan 08 11:32	12°♒05'00	24°01'09
	6739 Jan 27 14:03	0°♓		retrograde	6740 Jan 19 13:08	18°♒35'34	
retrograde	6739 Feb 04 20:13	4°♓17'08		evening set	6740 Jan 24 19:10	16°♒24'25	
asc. node	6739 Feb 08 04:05	3°♓20'25		asc. node	6740 Jan 26 01:08	15°♒13'36	
evening set	6739 Feb 09 13:51	2°♓20'36		min. Earth dist.	6740 Jan 29 13:14	10°♒55'03	0.68050 AU
	6739 Feb 11 20:58	30°♓		inferior conj	6740 Jan 30 06:20	9°♒57'03	1°21'58
inferior conj	6739 Feb 14 22:33	25°♒57'02	2°05'20	minimum elong	6740 Jan 30 04:35	10°♒03'01	1°21'21
minimum elong	6739 Feb 14 20:18	26°♒04'52	2°04'38	morning rise	6740 Feb 04 14:00	3°♒53'47	
min. Earth dist.	6739 Feb 14 16:40	26°♒17'27	0.68270 AU	direct	6740 Feb 08 13:40	2°♒23'37	
morning rise	6739 Feb 20 02:38	19°♒48'14		morning max el	6740 Feb 16 11:59	6°♒54'51	20°27'43
direct	6739 Feb 24 15:52	17°♒55'40		desc. node	6740 Mar 01 12:42	25°♒04'52	
morning max el	6739 Mar 05 16:17	23°♒11'17	21°45'25		6740 Mar 04 21:06	0°♒	
	6739 Mar 11 14:48	0°♓		morning set	6740 Mar 16 03:00	17°♓04'16	
desc. node	6739 Mar 15 15:41	5°♓17'49			6740 Mar 24 08:01	0°♑	
	6739 Apr 01 12:39	0°♑		max. Earth dist.	6740 Mar 25 09:51	1°♑43'44	1.43484 AU
morning set	6739 Apr 07 00:51	8°♑39'19		superior conj	6740 Mar 31 18:16	12°♑06'49	-2°10'24
max. Earth dist.	6739 Apr 13 03:22	18°♑35'46	1.41641 AU	minimum elong	6740 Mar 31 19:11	12°♑10'39	2°10'24
	6739 Apr 19 20:23	0°♒			6740 Apr 11 05:48	0°♒	
superior conj	6739 Apr 20 18:46	1°♒37'40	-1°59'43	evening rise	6740 Apr 13 04:07	3°♒22'34	
minimum elong	6739 Apr 20 23:34	1°♒58'41	1°59'26	asc. node	6740 Apr 23 00:20	20°♒13'53	
evening rise	6739 May 01 14:20	21°♒09'56			6740 Apr 30 05:52	0°♓	
	6739 May 06 10:33	0°♓		evening max el	6740 Apr 30 09:29	0°♓08'59	18°06'29
asc. node	6739 May 07 03:16	1°♓14'33		retrograde	6740 May 06 20:44	3°♓30'08	
evening max el	6739 May 17 20:52	16°♓59'32	18°11'34	evening set	6740 May 09 14:32	2°♓53'13	
retrograde	6739 May 24 19:30	20°♓29'31			6740 May 13 16:45	30°♓	
evening set	6739 May 27 06:12	20°♓04'06		inferior conj	6740 May 15 23:03	27°♓46'36	3°00'35
inferior conj	6739 Jun 03 05:42	15°♓17'17	2°14'42	minimum elong	6740 May 16 01:34	27°♓40'08	3°00'05
minimum elong	6739 Jun 03 08:58	15°♓09'58	2°13'46	min. Earth dist.	6740 May 18 22:43	24°♓44'09	0.61989 AU
min. Earth dist.	6739 Jun 06 14:37	12°♓17'42	0.59761 AU	morning rise	6740 May 22 10:47	21°♓43'38	
morning rise	6739 Jun 10 08:53	9°♓31'56		desc. node	6740 May 28 12:03	19°♓19'45	
desc. node	6739 Jun 11 15:01	8°♓51'01		direct	6740 May 29 05:25	19°♓18'09	
direct	6739 Jun 16 19:16	7°♓35'15		morning max el	6740 Jun 12 08:59	27°♓19'14	27°54'20

	6740 Jun 14 21:58	0°♂		direct	6741 May 11 23:56	1°♂48'37	
	6740 Jul 05 16:04	0°♂		desc. node	6741 May 15 09:04	2°♂24'14	
morning set	6740 Jul 15 23:38	19°♂32'24		morning max el	6741 May 25 17:50	9°♂47'43	27°35'11
asc. node	6740 Jul 19 23:35	27°♂53'45			6741 Jun 10 12:55	0°♂	
	6740 Jul 20 23:08	0°♂			6741 Jun 28 00:45	0°♂	
max. Earth dist.	6740 Jul 21 14:33	1°♂23'10	1.32183 AU	morning set	6741 Jun 29 17:49	3°♂20'51	
				max. Earth dist.	6741 Jul 04 15:38	13°♂20'39	1.33021 AU
superior conj	6740 Jul 23 11:17	5°♂26'36	0°35'20	asc. node	6741 Jul 06 20:38	18°♂00'22	
minimum elong	6740 Jul 23 09:45	5°♂18'11	0°34'58				
evening rise	6740 Jul 30 07:28	20°♂21'19		superior conj	6741 Jul 07 17:19	19°♂50'48	0°08'52
	6740 Aug 03 23:21	0°♂		minimum elong	6741 Jul 07 16:53	19°♂48'27	0°08'43
	6740 Aug 23 16:52	0°♂		behind sun begin	6741 Jul 07 12:19	19°♂24'05	
desc. node	6740 Aug 24 11:15	0°♂45'04		behind sun end	6741 Jul 07 21:26	20°♂12'51	
evening max el	6740 Aug 24 09:48	0°♂41'34	24°23'57		6741 Jul 12 10:24	0°♂	
retrograde	6740 Sep 07 05:13	7°♂37'59		evening rise	6741 Jul 14 19:05	5°♂03'12	
evening set	6740 Sep 12 05:48	6°♂41'57			6741 Jul 28 04:11	0°♂	
min. Earth dist.	6740 Sep 17 20:49	3°♂50'23	0.56552 AU	evening max el	6741 Aug 05 22:07	10°♂58'35	22°45'30
inferior conj	6740 Sep 20 10:36	2°♂13'06	-5°26'48	desc. node	6741 Aug 11 08:17	15°♂14'41	
minimum elong	6740 Sep 20 10:42	2°♂12'56	5°26'48	retrograde	6741 Aug 19 03:04	17°♂33'54	
	6740 Sep 24 03:57	30°♂		evening set	6741 Aug 22 15:15	17°♂06'59	
morning rise	6740 Sep 28 17:52	28°♂10'58		min. Earth dist.	6741 Aug 30 06:02	13°♂43'56	0.55230 AU
direct	6740 Oct 01 09:40	27°♂51'58		inferior conj	6741 Aug 31 14:18	12°♂57'51	-5°01'51
	6740 Oct 08 01:03	0°♂		minimum elong	6741 Aug 31 07:30	13°♂07'34	5°00'48
morning max el	6740 Oct 11 01:42	2°♂24'42	19°36'16	morning rise	6741 Sep 09 01:48	9°♂08'35	
asc. node	6740 Oct 15 22:55	8°♂06'43		direct	6741 Sep 12 04:11	8°♂46'23	
	6740 Oct 28 07:38	0°♂		morning max el	6741 Sep 23 09:33	14°♂00'44	20°55'19
morning set	6740 Oct 28 13:16	0°♂28'21		asc. node	6741 Oct 02 19:58	26°♂12'15	
					6741 Oct 05 01:32	0°♂	
superior conj	6740 Nov 05 11:29	16°♂24'04	1°33'06	morning set	6741 Oct 12 21:03	15°♂11'21	
minimum elong	6740 Nov 05 13:47	16°♂35'23	1°32'59		6741 Oct 19 23:51	0°♂	
max. Earth dist.	6740 Nov 11 15:25	28°♂12'01	1.37665 AU				
	6740 Nov 12 14:52	0°♂		superior conj	6741 Oct 20 06:36	0°♂34'46	1°41'08
evening rise	6740 Nov 15 09:19	4°♂59'31		minimum elong	6741 Oct 20 07:27	0°♂39'10	1°41'09
desc. node	6740 Nov 20 10:24	13°♂41'15		max. Earth dist.	6741 Oct 25 00:31	10°♂07'47	1.35704 AU
	6740 Nov 30 18:21	0°♂		evening rise	6741 Oct 29 01:19	17°♂51'32	
evening max el	6740 Dec 21 00:34	25°♂50'42	25°17'07		6741 Nov 04 20:20	0°♂	
	6740 Dec 25 21:28	0°♂		desc. node	6741 Nov 07 07:27	4°♂08'19	
retrograde	6741 Jan 02 01:36	2°♂47'38			6741 Nov 25 00:40	0°♂	
evening set	6741 Jan 07 20:48	0°♂23'27		evening max el	6741 Dec 03 13:36	9°♂35'32	26°21'36
	6741 Jan 08 07:30	30°♂		retrograde	6741 Dec 16 08:55	16°♂48'12	
asc. node	6741 Jan 11 22:12	25°♂58'04		evening set	6741 Dec 22 17:00	14°♂14'08	
min. Earth dist.	6741 Jan 12 07:26	25°♂28'31	0.67465 AU	min. Earth dist.	6741 Dec 26 20:57	9°♂54'17	0.66518 AU
inferior conj	6741 Jan 13 11:40	23°♂57'00	0°31'18	inferior conj	6741 Dec 28 12:37	7°♂53'41	-0°25'54
minimum elong	6741 Jan 13 10:54	23°♂59'29	0°31'02	minimum elong	6741 Dec 28 13:19	7°♂51'32	0°25'33
morning rise	6741 Jan 19 01:16	18°♂01'15		asc. node	6741 Dec 29 19:14	6°♂21'55	
direct	6741 Jan 22 12:40	16°♂51'43		morning rise	6742 Jan 03 10:20	2°♂07'53	
morning max el	6741 Jan 29 15:37	20°♂49'23	19°23'40	direct	6742 Jan 06 11:08	1°♂15'54	
	6741 Feb 06 02:31	0°♂		morning max el	6742 Jan 13 02:21	4°♂52'07	18°35'25
greatest brilliancy	6741 Feb 11 17:19	8°♂09'03	-0.7m		6742 Jan 30 17:04	0°♂	
desc. node	6741 Feb 16 09:41	15°♂13'38		morning set	6742 Feb 02 19:41	4°♂54'54	
morning set	6741 Feb 23 01:18	25°♂26'35		desc. node	6742 Feb 03 06:42	5°♂38'29	
	6741 Feb 25 23:57	0°♂					
max. Earth dist.	6741 Mar 07 23:31	15°♂36'31	1.44784 AU	superior conj	6742 Feb 18 22:35	0°♂15'41	-1°36'49
				minimum elong	6742 Feb 18 13:01	29°♂38'11	1°35'53
superior conj	6741 Mar 11 16:51	21°♂31'06	-2°03'37	max. Earth dist.	6742 Feb 18 17:57	29°♂57'29	1.45395 AU
minimum elong	6741 Mar 11 11:07	21°♂08'14	2°03'20		6742 Feb 18 18:35	0°♂	
	6741 Mar 16 23:22	0°♂		evening rise	6742 Mar 06 14:32	24°♂58'44	
evening rise	6741 Mar 25 21:00	14°♂39'12			6742 Mar 09 18:08	0°♂	
	6741 Apr 04 03:32	0°♂		greatest brilliancy	6742 Mar 15 02:55	8°♂31'28	-0.8m
asc. node	6741 Apr 09 21:24	8°♂40'33		asc. node	6742 Mar 27 18:26	26°♂24'37	
evening max el	6741 Apr 13 22:29	13°♂32'19	18°20'08	evening max el	6742 Mar 28 09:13	27°♂03'14	18°51'42
retrograde	6741 Apr 20 08:26	16°♂58'59			6742 Apr 01 03:14	0°♂	
evening set	6741 Apr 23 09:01	16°♂09'12		retrograde	6742 Apr 04 02:40	0°♂48'11	
inferior conj	6741 Apr 29 06:34	10°♂43'59	3°23'10		6742 Apr 06 24:00	30°♂	
minimum elong	6741 Apr 29 07:40	10°♂40'51	3°23'02	evening set	6742 Apr 07 10:16	29°♂44'46	
min. Earth dist.	6741 May 01 15:55	8°♂00'20	0.64026 AU	inferior conj	6742 Apr 13 00:27	24°♂02'39	3°27'40
morning rise	6741 May 05 05:21	4°♂31'52		minimum elong	6742 Apr 13 00:08	24°♂03'39	3°27'37

min. Earth dist.	6742 Apr 14 18:15	21° Υ 52'19	0.65713 AU	minimum elong	6743 Mar 28 00:03	7° Υ 41'33	3°17'55
morning rise	6742 Apr 18 13:32	17° Υ 46'44		min. Earth dist.	6743 Mar 29 04:24	6° Υ 07'30	0.66978 AU
direct	6742 Apr 25 01:30	14° Υ 58'28		morning rise	6743 Apr 02 08:12	1° Υ 20'31	
desc. node	6742 May 02 06:05	17° Υ 38'55			6743 Apr 04 01:39	30° \Re \Re	
morning max el	6742 May 08 04:12	22° Υ 44'12	26°44'28	direct	6743 Apr 08 09:18	28° \Re 38'44	
	6742 May 14 13:55	0° \Re			6743 Apr 13 03:44	0° Υ	
	6742 Jun 03 19:52	0° Π		desc. node	6743 Apr 19 03:05	4° Υ 31'20	
morning set	6742 Jun 13 01:13	16° Π 34'59		morning max el	6743 Apr 20 13:54	5° Υ 56'34	25°30'45
max. Earth dist.	6742 Jun 17 06:48	24° Π 49'52	1.34330 AU		6743 May 09 03:46	0° \Re	
	6742 Jun 19 20:10	0° \Im		morning set	6743 May 26 17:40	29° \Re 03'19	
					6743 May 27 06:07	0° Π	
superior conj	6742 Jun 21 17:21	3° \Im 52'57	-0°20'26	max. Earth dist.	6743 May 30 10:44	5° Π 55'43	1.36085 AU
minimum elong	6742 Jun 21 18:29	3° \Im 58'46	0°20'15				
asc. node	6742 Jun 23 17:39	8° \Im 05'15		superior conj	6743 Jun 05 08:42	17° Π 25'54	-0°51'13
evening rise	6742 Jun 29 04:54	19° \Im 35'39		minimum elong	6743 Jun 05 11:40	17° Π 40'45	0°50'43
	6742 Jul 04 08:34	0° Ω		asc. node	6743 Jun 10 14:40	28° Π 04'31	
evening max el	6742 Jul 18 17:15	21° Ω 28'07	21°12'41		6743 Jun 11 13:14	0° \Im	
desc. node	6742 Jul 29 05:19	27° Ω 18'12		evening rise	6743 Jun 13 10:44	3° \Im 52'17	
retrograde	6742 Jul 30 16:28	27° Ω 23'23			6743 Jun 28 15:42	0° Ω	
evening set	6742 Aug 02 00:13	27° Ω 10'49		evening max el	6743 Jul 01 00:52	2° Ω 36'12	19°56'05
inferior conj	6742 Aug 11 07:30	23° Ω 12'44	-3°43'36	retrograde	6743 Jul 11 07:44	7° Ω 39'24	
minimum elong	6742 Aug 10 22:23	23° Ω 25'32	3°40'55	evening set	6743 Jul 13 04:53	7° Ω 29'59	
min. Earth dist.	6742 Aug 11 15:27	23° Ω 01'32	0.54732 AU	desc. node	6743 Jul 16 02:21	6° Ω 41'47	
morning rise	6742 Aug 19 21:12	19° Ω 18'18		inferior conj	6743 Jul 22 04:34	3° Ω 29'36	-1°50'19
direct	6742 Aug 23 12:41	18° Ω 49'44		minimum elong	6743 Jul 21 23:27	3° Ω 37'21	1°48'28
morning max el	6742 Sep 05 05:56	24° Ω 51'51	22°32'24	min. Earth dist.	6743 Jul 24 03:24	2° Ω 18'34	0.55197 AU
	6742 Sep 09 23:18	0° \P			6743 Jul 28 11:00	30° \Re \Im	
asc. node	6742 Sep 19 16:58	14° \P 57'16		morning rise	6743 Jul 30 16:11	29° \Im 09'19	
morning set	6742 Sep 27 07:40	0° \Im 00'58		direct	6743 Aug 04 01:24	28° \Im 27'10	
	6742 Sep 27 07:29	0° \Im			6743 Aug 10 12:00	0° Ω	
				morning max el	6743 Aug 17 19:51	5° Ω 14'40	24°17'18
superior conj	6742 Oct 04 09:31	15° \Im 07'09	1°41'56		6743 Sep 04 08:51	0° \P	
minimum elong	6742 Oct 04 09:02	15° \Im 04'37	1°41'57	asc. node	6743 Sep 06 13:59	4° \P 12'09	
max. Earth dist.	6742 Oct 07 16:59	22° \Im 04'04	1.34078 AU	morning set	6743 Sep 11 19:22	14° \P 52'19	
	6742 Oct 11 15:07	0° \P					
evening rise	6742 Oct 12 08:10	1° \P 23'43		superior conj	6743 Sep 18 17:31	29° \P 53'09	1°36'27
desc. node	6742 Oct 25 04:28	24° \P 18'18		minimum elong	6743 Sep 18 16:01	29° \P 45'01	1°36'20
	6742 Oct 28 19:35	0° \Re			6743 Sep 18 18:46	0° \Im	
evening max el	6742 Nov 16 02:24	23° \Re 09'53	27°07'27	max. Earth dist.	6743 Sep 20 17:45	4° \Im 14'12	1.32879 AU
	6742 Nov 26 08:14	0° \Re		evening rise	6743 Sep 26 02:10	15° \Im 26'38	
retrograde	6742 Nov 29 10:33	0° \Re 28'57			6743 Oct 03 16:23	0° \P	
	6742 Dec 02 09:18	30° \Re \Re		desc. node	6743 Oct 12 01:30	14° \P 03'52	
evening set	6742 Dec 06 05:38	27° \Re 50'39			6743 Oct 23 15:07	0° \Re	
min. Earth dist.	6742 Dec 10 03:30	24° \Re 05'30	0.65213 AU	evening max el	6743 Oct 29 13:51	6° \Re 23'02	27°27'41
inferior conj	6742 Dec 12 06:58	21° \Re 41'31	-1°28'36	retrograde	6743 Nov 12 05:58	13° \Re 41'03	
minimum elong	6742 Dec 12 09:34	21° \Re 34'13	1°27'28	evening set	6743 Nov 19 08:01	11° \Re 07'04	
asc. node	6742 Dec 16 16:15	17° \Re 20'59		min. Earth dist.	6743 Nov 23 01:09	7° \Re 53'53	0.63573 AU
morning rise	6742 Dec 18 14:43	16° \Re 08'25		inferior conj	6743 Nov 25 16:08	5° \Re 14'42	-2°34'48
direct	6742 Dec 21 06:52	15° \Re 30'15		minimum elong	6743 Nov 25 20:50	5° \Re 02'48	2°32'57
morning max el	6742 Dec 27 17:45	18° \Re 55'57	18°03'47	morning rise	6743 Dec 02 11:23	29° \P 57'12	
	6743 Jan 05 01:11	0° \Re			6743 Dec 02 08:32	30° \Re \P	
morning set	6743 Jan 14 19:34	15° \Re 51'40		asc. node	6743 Dec 03 13:16	29° \P 37'40	
desc. node	6743 Jan 21 03:42	26° \Re 14'08		direct	6743 Dec 04 21:16	29° \P 28'57	
	6743 Jan 23 11:35	0° \approx			6743 Dec 07 09:29	0° \Re	
				morning max el	6743 Dec 11 10:54	2° \Re 53'28	17°49'22
superior conj	6743 Jan 29 05:50	9° \approx 11'51	-0°55'09	morning set	6743 Dec 27 22:05	28° \Re 05'50	
minimum elong	6743 Jan 28 23:14	8° \approx 45'43	0°54'14		6743 Dec 29 00:32	0° \Re	
max. Earth dist.	6743 Feb 01 13:31	14° \approx 26'05	1.45257 AU	desc. node	6744 Jan 08 00:43	16° \Re 56'41	
	6743 Feb 11 13:09	0° \Re					
evening rise	6743 Feb 14 11:23	4° \Re 31'49		superior conj	6744 Jan 09 08:17	19° \Re 06'40	-0°09'25
greatest brilliancy	6743 Feb 27 20:10	24° \Re 57'37	-0.7m	minimum elong	6744 Jan 09 07:16	19° \Re 02'30	0°09'12
	6743 Mar 03 06:52	0° Υ		behind sun begin	6744 Jan 08 23:17	18° \Re 29'41	
evening max el	6743 Mar 11 15:42	10° Υ 37'29	19°39'57	behind sun end	6744 Jan 09 15:15	19° \Re 35'16	
asc. node	6743 Mar 14 15:27	13° Υ 13'44		max. Earth dist.	6744 Jan 15 07:24	28° \Re 45'14	1.44401 AU
retrograde	6743 Mar 19 00:15	14° Υ 51'27			6744 Jan 16 02:11	0° \approx	
evening set	6743 Mar 22 15:38	13° Υ 33'52		evening rise	6744 Jan 24 22:12	13° \approx 47'38	
inferior conj	6743 Mar 28 01:28	7° Υ 36'51	3°18'06		6744 Feb 04 15:28	0° \Re	

evening max el	6744 Feb 22 16:53	24° H 13'29	20°42'31		6745 Jan 28 19:07	0° H	
asc. node	6744 Feb 29 12:28	28° H 53'29		evening max el	6745 Feb 04 12:52	7° H 51'49	21°55'53
retrograde	6744 Mar 01 22:38	29° H 04'07		retrograde	6745 Feb 13 19:59	13° H 22'42	
evening set	6744 Mar 05 23:05	27° H 31'45		asc. node	6745 Feb 15 09:31	13° H 09'57	
inferior conj	6744 Mar 11 07:01	21° H 22'13	2°57'11	evening set	6745 Feb 18 06:58	11° H 35'04	
minimum elong	6744 Mar 11 04:55	21° H 29'26	2°56'46	inferior conj	6745 Feb 23 14:56	5° H 15'51	2°26'45
min. Earth dist.	6744 Mar 11 20:21	20° H 36'22	0.67814 AU	minimum elong	6745 Feb 23 12:36	5° H 23'57	2°26'07
morning rise	6744 Mar 16 10:31	15° H 07'39		min. Earth dist.	6745 Feb 23 15:49	5° H 12'45	0.68225 AU
direct	6744 Mar 21 22:19	12° H 41'08			6745 Feb 27 18:45	30° R \approx	
morning max el	6744 Apr 01 22:37	19° H 16'08	24°04'02	morning rise	6745 Feb 28 18:03	29° \approx 04'38	
desc. node	6744 Apr 05 00:05	22° H 34'21		direct	6745 Mar 05 15:37	26° \approx 58'50	
	6744 Apr 11 00:44	0° Y			6745 Mar 12 09:21	0° H	
	6744 May 01 07:13	0° B		morning max el	6745 Mar 15 08:53	2° H 42'50	22°34'37
morning set	6744 May 07 13:39	10° B 30'21		desc. node	6745 Mar 22 21:05	11° H 28'28	
max. Earth dist.	6744 May 11 06:56	17° B 02'06	1.38192 AU		6745 Apr 05 01:50	0° Y	
				morning set	6745 Apr 18 07:39	20° Y 42'35	
superior conj	6744 May 18 11:52	0° II 20'15	-1°21'27	max. Earth dist.	6745 Apr 23 03:29	28° Y 46'01	1.40427 AU
minimum elong	6744 May 18 16:35	0° II 42'39	1°20'49		6745 Apr 23 20:50	0° B	
	6744 May 18 07:37	0° II					
evening rise	6744 May 27 09:59	17° II 45'03		superior conj	6745 Apr 30 22:41	12° B 26'38	-1°47'55
asc. node	6744 May 27 11:41	17° II 53'23		minimum elong	6745 May 01 04:06	12° B 51'06	1°47'26
	6744 Jun 02 20:14	0° E			6745 May 10 09:23	0° II	
evening max el	6744 Jun 12 20:51	14° E 27'17	18°59'27	evening rise	6745 May 10 23:30	1° II 06'41	
retrograde	6744 Jun 21 12:17	18° E 42'27		asc. node	6745 May 14 08:43	7° II 27'39	
evening set	6744 Jun 23 12:02	18° E 29'51		evening max el	6745 May 27 02:08	26° II 55'54	18°23'14
inferior conj	6744 Jul 01 17:48	14° E 14'55	0°04'10		6745 May 31 10:58	0° E	
minimum elong	6744 Jul 01 17:58	14° E 14'38	0°04'03	retrograde	6745 Jun 03 12:04	0° E 37'31	
transit middle	6744 Jul 01 17:58	14° E 14'38	0°04'03	evening set	6745 Jun 05 18:43	0° E 17'32	
transit begin	6744 Jul 01 14:19	14° E 20'59			6745 Jun 06 15:31	30° R II	
transit end	6744 Jul 01 21:36	14° E 08'15		inferior conj	6745 Jun 13 04:33	25° II 42'18	1°35'37
desc. node	6744 Jul 01 23:23	14° E 05'09		minimum elong	6745 Jun 13 07:29	25° II 36'18	1°34'38
min. Earth dist.	6744 Jul 04 18:35	12° E 08'34	0.56546 AU	min. Earth dist.	6745 Jun 16 14:28	22° II 55'55	0.58506 AU
morning rise	6744 Jul 09 20:36	9° E 18'38		desc. node	6745 Jun 18 20:24	21° II 18'41	
direct	6744 Jul 15 03:20	8° E 12'35		morning rise	6745 Jun 20 17:02	20° II 12'26	
morning max el	6744 Jul 29 09:37	15° E 34'16	25°54'53	direct	6745 Jun 26 19:13	18° II 34'53	
	6744 Aug 10 01:05	0° Q		morning max el	6745 Jul 11 04:28	26° II 18'35	27°09'09
asc. node	6744 Aug 23 11:00	23° Q 48'12			6745 Jul 14 16:00	0° E	
morning set	6744 Aug 26 06:32	29° Q 39'48			6745 Aug 03 11:10	0° Q	
	6744 Aug 26 10:20	0° P		asc. node	6745 Aug 10 08:02	13° Q 39'14	
				morning set	6745 Aug 10 15:32	14° Q 18'37	
superior conj	6744 Sep 02 04:22	14° P 44'54	1°25'26				
minimum elong	6744 Sep 02 02:15	14° P 33'17	1°25'09	superior conj	6745 Aug 17 16:11	29° Q 36'20	1°09'26
max. Earth dist.	6744 Sep 03 01:05	16° P 39'05	1.32119 AU	minimum elong	6745 Aug 17 13:55	29° Q 23'46	1°09'02
evening rise	6744 Sep 09 04:08	29° P 50'45		max. Earth dist.	6745 Aug 17 11:42	29° Q 11'26	1.31797 AU
	6744 Sep 09 05:54	0° A			6745 Aug 17 20:28	0° P	
	6744 Sep 25 18:35	0° L		evening rise	6745 Aug 24 11:28	14° P 28'13	
desc. node	6744 Sep 27 22:33	3° L 14'46			6745 Sep 01 06:07	0° A	
evening max el	6744 Oct 10 21:50	19° L 02'27	27°16'46	desc. node	6745 Sep 14 19:35	21° A 36'56	
retrograde	6744 Oct 24 18:08	26° L 15'08			6745 Sep 22 00:26	0° L	
evening set	6744 Oct 31 20:41	23° L 56'19		evening max el	6745 Sep 22 23:28	0° L 55'53	26°32'03
min. Earth dist.	6744 Nov 04 12:30	21° L 08'19	0.61660 AU	retrograde	6745 Oct 06 21:34	8° L 03'01	
inferior conj	6744 Nov 07 13:06	18° L 25'38	-3°40'43	evening set	6745 Oct 13 15:02	6° L 10'35	
minimum elong	6744 Nov 07 19:32	18° L 11'13	3°38'39	min. Earth dist.	6745 Oct 17 13:05	3° L 35'34	0.59593 AU
morning rise	6744 Nov 14 20:26	13° L 26'55		inferior conj	6745 Oct 20 18:21	1° L 04'38	-4°39'28
direct	6744 Nov 17 03:01	13° L 04'56		minimum elong	6745 Oct 21 00:57	0° L 51'41	4°38'00
asc. node	6744 Nov 19 10:19	13° L 28'19			6745 Oct 22 03:46	30° R A	
morning max el	6744 Nov 24 02:38	16° L 36'37	17°53'08	morning rise	6745 Oct 28 13:02	26° A 27'53	
	6744 Dec 03 12:46	0° J		direct	6745 Oct 30 20:00	26° A 09'03	
morning set	6744 Dec 09 20:45	11° J 17'31		asc. node	6745 Nov 06 07:23	28° A 48'43	
	6744 Dec 20 08:50	0° Z		morning max el	6745 Nov 07 13:34	29° A 56'16	18°16'26
					6745 Nov 07 15:06	0° L	
superior conj	6744 Dec 20 12:45	0° Z 16'53	0°31'22	morning set	6745 Nov 23 09:36	25° L 08'50	
minimum elong	6744 Dec 20 15:24	0° Z 28'17	0°31'02		6745 Nov 25 22:56	0° J	
desc. node	6744 Dec 24 21:44	7° Z 42'42					
max. Earth dist.	6744 Dec 27 21:52	12° Z 41'03	1.42927 AU	superior conj	6745 Dec 02 17:10	12° J 35'54	1°02'58
evening rise	6745 Jan 03 14:37	23° Z 25'02		minimum elong	6745 Dec 02 20:50	12° J 52'36	1°02'33
	6745 Jan 07 20:31	0° \approx		max. Earth dist.	6745 Dec 10 07:40	25° J 59'51	1.41011 AU

desc. node	6745 Dec 11 18:45	28° ♁ 28'20	evening rise	6746 Nov 26 09:19	15° ♁ 18'44	
	6745 Dec 12 16:39	0° ♁	desc. node	6746 Nov 28 15:48	19° ♁ 10'21	
evening rise	6745 Dec 15 00:46	3° ♁ 51'42		6746 Dec 05 07:49	0° ♁	
	6746 Jan 01 03:29	0° ♁		6746 Dec 26 21:29	0° ♁	
evening max el	6746 Jan 18 04:37	21° ♁ 32'18 23°15'10	evening max el	6746 Dec 31 17:57	5° ♁ 16'03	24°34'15
retrograde	6746 Jan 28 14:45	27° ♁ 42'25	retrograde	6747 Jan 12 05:54	11° ♁ 59'10	
asc. node	6746 Feb 02 06:35	25° ♁ 53'53	evening set	6747 Jan 17 17:38	9° ♁ 41'52	
evening set	6746 Feb 02 13:40	25° ♁ 39'26	asc. node	6747 Jan 20 03:39	7° ♁ 13'46	
inferior conj	6746 Feb 07 23:16	19° ♁ 13'58 1°47'52	min. Earth dist.	6747 Jan 22 08:18	4° ♁ 27'19	0.67853 AU
minimum elong	6746 Feb 07 21:10	19° ♁ 21'12 1°47'10	inferior conj	6747 Jan 23 06:14	3° ♁ 14'13	1°01'20
min. Earth dist.	6746 Feb 07 12:33	19° ♁ 50'52 0.68230 AU	minimum elong	6747 Jan 23 04:50	3° ♁ 18'53	1°00'49
morning rise	6746 Feb 13 04:36	13° ♁ 07'32		6747 Jan 25 19:11	30° ♁	
direct	6746 Feb 17 12:00	11° ♁ 24'33	morning rise	6747 Jan 28 16:11	27° ♁ 14'09	
morning max el	6746 Feb 26 00:24	16° ♁ 19'32 21°10'53	direct	6747 Feb 01 10:23	25° ♁ 53'15	
	6746 Mar 09 01:13	0° ♁		6747 Feb 08 20:08	0° ♁	
desc. node	6746 Mar 09 18:06	0° ♁ 58'53	morning max el	6747 Feb 08 23:36	0° ♁ 08'34	19°58'36
morning set	6746 Mar 28 21:56	29° ♁ 38'28	desc. node	6747 Feb 24 15:06	20° ♁ 55'51	
	6746 Mar 29 03:24	0° ♁		6747 Mar 02 15:42	0° ♁	
max. Earth dist.	6746 Apr 05 06:12	11° ♁ 25'08 1.42488 AU	morning set	6747 Mar 07 19:17	7° ♁ 53'12	
			max. Earth dist.	6747 Mar 18 16:04	24° ♁ 54'23	1.44116 AU
				6747 Mar 21 20:15	0° ♁	
superior conj	6746 Apr 12 12:13	23° ♁ 33'12 -2°06'02				
minimum elong	6746 Apr 12 15:51	23° ♁ 48'43 2°05'54				
	6746 Apr 16 05:35	0° ♁	superior conj	6747 Mar 24 00:46	3° ♁ 32'59	-2°09'56
evening rise	6746 Apr 23 23:14	13° ♁ 47'19	minimum elong	6747 Mar 23 22:59	3° ♁ 25'44	2°09'55
asc. node	6746 May 01 05:47	26° ♁ 41'33	evening rise	6747 Apr 06 04:37	25° ♁ 37'00	
	6746 May 03 05:25	0° ♁		6747 Apr 08 17:56	0° ♁	
evening max el	6746 May 10 13:00	9° ♁ 52'37 18°06'59	asc. node	6747 Apr 18 02:49	15° ♁ 27'59	
retrograde	6746 May 17 05:26	13° ♁ 17'07	evening max el	6747 Apr 24 02:03	23° ♁ 08'21	18°09'59
evening set	6746 May 19 19:15	12° ♁ 46'57	retrograde	6747 Apr 30 11:46	26° ♁ 30'35	
inferior conj	6746 May 26 11:49	7° ♁ 51'11 2°37'24	evening set	6747 May 03 08:22	25° ♁ 48'27	
minimum elong	6746 May 26 14:55	7° ♁ 43'47 2°36'37	inferior conj	6747 May 09 11:43	20° ♁ 33'37	3°12'41
min. Earth dist.	6746 May 29 17:34	4° ♁ 47'41 0.60720 AU	minimum elong	6747 May 09 13:40	20° ♁ 28'21	3°12'22
morning rise	6746 Jun 02 08:14	1° ♁ 57'05	min. Earth dist.	6747 May 12 05:37	17° ♁ 36'45	0.62887 AU
desc. node	6746 Jun 05 17:25	0° ♁ 18'17	morning rise	6747 May 15 17:32	14° ♁ 25'33	
	6746 Jun 06 21:23	30° ♁	direct	6747 May 22 12:53	11° ♁ 51'02	
direct	6746 Jun 08 23:03	29° ♁ 47'30	desc. node	6747 May 23 14:27	11° ♁ 54'33	
	6746 Jun 11 01:48	0° ♁	morning max el	6747 Jun 05 13:20	19° ♁ 53'15	27°50'33
morning max el	6746 Jun 23 06:11	7° ♁ 44'39 27°48'57		6747 Jun 14 04:35	0° ♁	
	6746 Jul 10 04:21	0° ♁		6747 Jul 03 03:56	0° ♁	
morning set	6746 Jul 25 20:36	28° ♁ 43'43	morning set	6747 Jul 09 19:29	12° ♁ 47'52	
	6746 Jul 26 11:17	0° ♁	max. Earth dist.	6747 Jul 15 03:13	23° ♁ 51'55	1.32477 AU
asc. node	6746 Jul 28 05:05	3° ♁ 40'12	asc. node	6747 Jul 15 02:05	23° ♁ 45'53	
max. Earth dist.	6746 Jul 31 21:47	11° ♁ 40'10 1.31910 AU				
			superior conj	6747 Jul 17 11:38	28° ♁ 55'42	0°24'30
superior conj	6746 Aug 02 03:14	14° ♁ 22'03 0°48'57	minimum elong	6747 Jul 17 10:30	28° ♁ 49'34	0°24'13
minimum elong	6746 Aug 02 01:17	14° ♁ 11'19 0°48'33		6747 Jul 17 23:28	0° ♁	
evening rise	6746 Aug 08 22:00	29° ♁ 12'32	evening rise	6747 Jul 24 09:43	13° ♁ 56'44	
	6746 Aug 09 06:54	0° ♁		6747 Aug 01 10:11	0° ♁	
	6746 Aug 25 19:41	0° ♁	evening max el	6747 Aug 17 05:12	22° ♁ 23'48	23°42'18
desc. node	6746 Sep 01 16:37	8° ♁ 51'05	desc. node	6747 Aug 19 13:40	24° ♁ 29'53	
evening max el	6746 Sep 04 17:07	11° ♁ 59'01 25°16'52	retrograde	6747 Aug 30 20:31	29° ♁ 14'18	
retrograde	6746 Sep 18 14:56	19° ♁ 01'19	evening set	6747 Sep 04 05:35	28° ♁ 32'12	
evening set	6746 Sep 24 10:22	17° ♁ 43'52	min. Earth dist.	6747 Sep 10 15:17	25° ♁ 28'48	0.55897 AU
min. Earth dist.	6746 Sep 29 04:42	15° ♁ 04'01 0.57572 AU	inferior conj	6747 Sep 12 18:30	24° ♁ 11'55	-5°22'47
inferior conj	6746 Oct 02 04:35	13° ♁ 02'09 -5°19'11	minimum elong	6747 Sep 12 15:33	24° ♁ 16'22	5°22'35
minimum elong	6746 Oct 02 08:10	12° ♁ 56'02 5°18'51	morning rise	6747 Sep 21 03:53	20° ♁ 17'10	
morning rise	6746 Oct 10 08:16	8° ♁ 48'43	direct	6747 Sep 23 23:37	19° ♁ 57'15	
direct	6746 Oct 12 19:43	8° ♁ 30'28	morning max el	6747 Oct 04 07:28	24° ♁ 46'38	20°07'26
morning max el	6746 Oct 21 16:14	12° ♁ 43'07 19°00'51		6747 Oct 08 21:52	0° ♁	
asc. node	6746 Oct 24 04:25	15° ♁ 25'28	asc. node	6747 Oct 11 01:27	3° ♁ 02'15	
	6746 Nov 02 10:36	0° ♁	morning set	6747 Oct 22 13:21	24° ♁ 02'44	
morning set	6746 Nov 07 08:14	9° ♁ 27'20		6747 Oct 25 11:05	0° ♁	
superior conj	6746 Nov 15 16:27	25° ♁ 49'46 1°24'44	superior conj	6747 Oct 30 05:30	9° ♁ 42'50	1°37'28
minimum elong	6746 Nov 15 19:29	26° ♁ 04'16 1°24'29	minimum elong	6747 Oct 30 07:12	9° ♁ 51'19	1°37'24
	6746 Nov 17 21:10	0° ♁	max. Earth dist.	6747 Nov 04 19:22	20° ♁ 37'31	1.36791 AU
max. Earth dist.	6746 Nov 22 13:31	8° ♁ 35'45 1.38880 AU	evening rise	6747 Nov 08 14:50	27° ♁ 42'01	

	6747 Nov 09 21:29	0°♊		superior conj	6748 Oct 13 04:16	24°♊03'21	1°42'18
desc. node	6747 Nov 15 12:50	9°♊44'00		minimum elong	6748 Oct 13 04:31	24°♊04'43	1°42'19
	6747 Nov 28 17:04	0°♊			6748 Oct 16 01:24	0°♊	
evening max el	6747 Dec 14 06:43	19°♊01'27	25°46'21	max. Earth dist.	6748 Oct 17 06:56	2°♊29'22	1.34963 AU
retrograde	6747 Dec 26 16:27	26°♊07'17		evening rise	6748 Oct 21 13:37	10°♊52'14	
evening set	6748 Jan 01 17:12	23°♊38'12		desc. node	6748 Nov 01 09:52	0°♊04'18	
min. Earth dist.	6748 Jan 06 00:50	18°♊58'08	0.67103 AU		6748 Nov 01 08:49	0°♊	
inferior conj	6748 Jan 07 09:56	17°♊13'21	0°07'48		6748 Nov 23 03:39	0°♊	
minimum elong	6748 Jan 07 09:44	17°♊14'00	0°07'45	evening max el	6748 Nov 25 19:47	2°♊43'06	26°43'57
transit middle	6748 Jan 07 09:44	17°♊14'00	0°07'45	retrograde	6748 Dec 08 21:33	9°♊59'51	
transit begin	6748 Jan 07 07:16	17°♊21'51		evening set	6748 Dec 15 10:27	7°♊23'25	
transit end	6748 Jan 07 12:13	17°♊06'09		min. Earth dist.	6748 Dec 19 11:47	3°♊18'10	0.65997 AU
asc. node	6748 Jan 07 00:41	17°♊42'45		inferior conj	6748 Dec 21 08:22	1°♊06'54	-0°51'57
morning rise	6748 Jan 13 02:45	11°♊21'32		minimum elong	6748 Dec 21 09:49	1°♊02'34	0°51'16
direct	6748 Jan 16 09:17	10°♊20'05			6748 Dec 22 07:17	30°♊♊	
morning max el	6748 Jan 23 06:32	14°♊07'36	19°01'06	asc. node	6748 Dec 23 21:43	28°♊14'39	
	6748 Feb 04 04:56	0°♊		morning rise	6748 Dec 27 10:06	25°♊25'54	
desc. node	6748 Feb 11 12:07	11°♊12'14		direct	6748 Dec 30 06:55	24°♊40'17	
morning set	6748 Feb 14 23:49	16°♊37'24		morning max el	6749 Jan 05 19:29	28°♊11'06	18°19'51
	6748 Feb 23 13:46	0°♊			6749 Jan 07 11:54	0°♊	
max. Earth dist.	6748 Feb 29 07:36	8°♊59'43	1.45130 AU	morning set	6749 Jan 25 06:34	26°♊43'15	
					6749 Jan 27 07:36	0°♊	
superior conj	6748 Mar 02 14:35	12°♊36'09	-1°54'35	desc. node	6749 Jan 28 09:08	1°♊42'12	
minimum elong	6748 Mar 02 06:27	12°♊04'07	1°54'01				
	6748 Mar 13 11:57	0°♊		superior conj	6749 Feb 09 18:27	21°♊19'09	-1°20'23
evening rise	6748 Mar 17 11:40	6°♊29'13		minimum elong	6749 Feb 09 09:25	20°♊43'43	1°19'19
	6748 Apr 01 06:54	0°♊		max. Earth dist.	6749 Feb 11 02:36	23°♊25'13	1.45427 AU
asc. node	6748 Apr 03 23:51	3°♊38'19			6749 Feb 15 07:31	0°♊	
evening max el	6748 Apr 06 14:23	6°♊35'58	18°31'28	evening rise	6749 Feb 25 19:36	16°♊26'27	
retrograde	6748 Apr 13 02:40	10°♊09'07			6749 Mar 06 11:27	0°♊	
evening set	6748 Apr 16 06:04	9°♊13'48		greatest brilliancy	6749 Mar 08 14:32	3°♊17'25	-0.8m
inferior conj	6748 Apr 22 00:07	3°♊41'25	3°26'59	evening max el	6749 Mar 20 23:35	20°♊09'20	19°10'21
minimum elong	6748 Apr 22 00:35	3°♊40'01	3°26'56	asc. node	6749 Mar 21 20:53	21°♊01'06	
min. Earth dist.	6748 Apr 24 02:58	1°♊10'14	0.64791 AU	retrograde	6749 Mar 27 22:31	24°♊05'06	
	6748 Apr 25 03:48	30°♊♊		evening set	6749 Mar 31 09:20	22°♊55'45	
morning rise	6748 Apr 27 18:20	27°♊27'01		inferior conj	6749 Apr 05 21:22	17°♊07'18	3°25'05
direct	6748 May 04 10:49	24°♊39'44		minimum elong	6749 Apr 05 20:32	17°♊09'59	3°25'01
desc. node	6748 May 09 11:27	25°♊58'40		min. Earth dist.	6749 Apr 07 08:47	15°♊13'42	0.66311 AU
	6748 May 15 05:19	0°♊		morning rise	6749 Apr 11 07:22	10°♊51'05	
morning max el	6748 May 17 23:08	2°♊35'36	27°16'56	direct	6749 Apr 17 15:18	8°♊04'05	
	6748 Jun 07 11:21	0°♊		desc. node	6749 Apr 26 08:28	11°♊58'43	
morning set	6748 Jun 22 09:30	26°♊23'22		morning max el	6749 Apr 30 09:07	15°♊39'23	26°15'13
	6748 Jun 24 05:31	0°♊			6749 May 12 04:22	0°♊	
max. Earth dist.	6748 Jun 27 00:09	5°♊36'44	1.33516 AU		6749 May 31 07:31	0°♊	
				morning set	6749 Jun 05 11:03	9°♊19'22	
superior conj	6748 Jun 30 15:24	13°♊11'42	-0°03'19	max. Earth dist.	6749 Jun 09 10:10	16°♊53'08	1.35030 AU
minimum elong	6748 Jun 30 15:34	13°♊12'37	0°03'19				
behind sun begin	6748 Jun 30 10:08	12°♊43'53		superior conj	6749 Jun 14 12:05	27°♊02'33	-0°33'25
behind sun end	6748 Jun 30 21:00	13°♊41'22		minimum elong	6749 Jun 14 13:59	27°♊12'12	0°33'06
asc. node	6748 Jun 30 23:06	13°♊52'31			6749 Jun 15 22:39	0°♊	
evening rise	6748 Jul 07 20:47	28°♊35'20		asc. node	6749 Jun 17 20:06	3°♊55'33	
	6748 Jul 08 12:54	0°♊		evening rise	6749 Jun 22 05:09	13°♊01'46	
	6748 Jul 26 06:39	0°♊			6749 Jul 01 00:20	0°♊	
evening max el	6748 Jul 28 19:28	2°♊42'23	22°04'34	evening max el	6749 Jul 10 19:41	13°♊26'45	20°37'44
desc. node	6748 Aug 05 10:41	8°♊00'58		retrograde	6749 Jul 22 01:59	18°♊59'40	
retrograde	6748 Aug 10 13:58	9°♊02'48		desc. node	6749 Jul 23 07:41	18°♊55'53	
evening set	6748 Aug 13 11:50	8°♊43'58		evening set	6749 Jul 24 03:18	18°♊49'22	
min. Earth dist.	6748 Aug 22 00:38	5°♊03'02	0.54904 AU	inferior conj	6749 Aug 02 09:12	14°♊52'28	-2°57'50
inferior conj	6748 Aug 22 16:16	4°♊41'04	-4°34'44	minimum elong	6749 Aug 02 01:14	15°♊03'53	2°55'10
minimum elong	6748 Aug 22 07:36	4°♊53'14	4°32'50	min. Earth dist.	6749 Aug 03 10:51	14°♊15'41	0.54819 AU
morning rise	6748 Aug 31 04:55	0°♊51'44		morning rise	6749 Aug 10 22:45	10°♊49'17	
direct	6748 Sep 03 12:20	0°♊27'23		direct	6749 Aug 14 21:30	10°♊15'50	
morning max el	6748 Sep 15 10:04	6°♊02'27	21°34'50	morning max el	6749 Aug 28 02:41	16°♊38'00	23°16'53
asc. node	6748 Sep 26 22:27	21°♊25'43			6749 Sep 07 18:19	0°♊	
	6748 Oct 01 14:13	0°♊		asc. node	6749 Sep 13 19:28	10°♊24'42	
morning set	6748 Oct 05 22:30	8°♊48'33		morning set	6749 Sep 20 09:47	23°♊39'35	
					6749 Sep 23 08:53	0°♊	

superior conj	6749 Sep 27 09:37	8° Ω 42'23	1°40'20	superior conj	6750 Sep 11 19:03	23° Π 31'37	1°32'24
minimum elong	6749 Sep 27 08:40	8° Ω 37'16	1°40'18	minimum elong	6750 Sep 11 17:15	23° Π 21'43	1°32'14
max. Earth dist.	6749 Sep 30 03:15	14° Ω 31'52	1.33517 AU	max. Earth dist.	6750 Sep 13 07:23	26° Π 50'01	1.32501 AU
evening rise	6749 Oct 05 01:40	24° Ω 38'58			6750 Sep 14 18:27	0° Ω	
	6749 Oct 07 19:30	0° Π		evening rise	6750 Sep 18 23:23	8° Ω 51'54	
desc. node	6749 Oct 19 06:53	20° Π 05'08			6750 Sep 30 04:39	0° Π	
	6749 Oct 25 21:10	0° \mathcal{A}		desc. node	6750 Oct 06 03:54	9° Π 37'36	
evening max el	6749 Nov 08 08:31	16° \mathcal{A} 11'11	27°19'42	evening max el	6750 Oct 21 18:46	29° Π 11'26	27°27'06
retrograde	6749 Nov 21 20:27	23° \mathcal{A} 29'42			6750 Oct 22 15:46	0° \mathcal{A}	
evening set	6749 Nov 28 19:05	20° \mathcal{A} 52'23		retrograde	6750 Nov 04 12:38	6° \mathcal{A} 27'01	
min. Earth dist.	6749 Dec 02 14:51	17° \mathcal{A} 21'12	0.64550 AU	evening set	6750 Nov 11 16:05	3° \mathcal{A} 57'57	
inferior conj	6749 Dec 04 23:11	14° \mathcal{A} 49'57	-1°56'26	min. Earth dist.	6750 Nov 15 08:02	0° \mathcal{A} 56'53	0.62788 AU
minimum elong	6749 Dec 05 02:40	14° \mathcal{A} 40'32	1°54'57		6750 Nov 16 08:04	30° $\mathcal{R}\Pi$	
asc. node	6749 Dec 10 18:45	9° \mathcal{A} 43'29		inferior conj	6750 Nov 18 03:33	28° Π 14'38	-3°03'07
morning rise	6749 Dec 11 11:38	9° \mathcal{A} 22'50		minimum elong	6750 Nov 18 09:05	28° Π 01'19	3°01'05
direct	6749 Dec 14 00:54	8° \mathcal{A} 49'12		morning rise	6750 Nov 25 03:56	23° Π 04'53	
morning max el	6749 Dec 20 11:58	12° \mathcal{A} 13'14	17°55'33	direct	6750 Nov 27 12:09	22° Π 39'37	
	6750 Jan 01 20:13	0° \mathcal{B}		asc. node	6750 Nov 27 15:48	22° Π 39'43	
morning set	6750 Jan 06 18:38	8° \mathcal{B} 16'17		morning max el	6750 Dec 04 04:56	26° Π 05'47	17°48'47
desc. node	6750 Jan 15 06:09	22° \mathcal{B} 21'38			6750 Dec 07 12:48	0° \mathcal{A}	
	6750 Jan 19 23:13	0° \approx		morning set	6750 Dec 20 06:29	20° \mathcal{A} 57'15	
					6750 Dec 25 10:14	0° \mathcal{B}	
superior conj	6750 Jan 20 08:16	0° \approx 36'17	-0°35'36	superior conj	6750 Dec 31 21:36	11° \mathcal{B} 02'52	0°08'52
minimum elong	6750 Jan 20 04:04	0° \approx 19'26	0°34'58	minimum elong	6750 Dec 31 22:29	11° \mathcal{B} 06'34	0°08'47
max. Earth dist.	6750 Jan 24 22:22	7° \approx 54'22	1.44979 AU	behind sun begin	6750 Dec 31 14:46	10° \mathcal{B} 34'15	
evening rise	6750 Feb 05 10:34	25° \approx 48'50		behind sun end	6751 Jan 01 06:11	11° \mathcal{B} 38'49	
	6750 Feb 08 04:05	0° \mathcal{H}		desc. node	6751 Jan 02 03:09	13° \mathcal{B} 06'06	
greatest brilliancy	6750 Feb 20 03:21	18° \mathcal{H} 01'02	-0.6m	max. Earth dist.	6751 Jan 07 15:23	22° \mathcal{B} 06'43	1.43839 AU
	6750 Feb 28 20:37	0° \mathcal{Y}			6751 Jan 12 14:29	0° \approx	
evening max el	6750 Mar 04 04:00	3° \mathcal{Y} 45'17	20°04'56	evening rise	6751 Jan 15 21:51	5° \approx 09'07	
asc. node	6750 Mar 08 17:55	7° \mathcal{Y} 23'13			6751 Feb 01 13:34	0° \mathcal{H}	
retrograde	6750 Mar 11 20:41	8° \mathcal{Y} 13'36		evening max el	6751 Feb 15 02:50	17° \mathcal{H} 21'55	21°12'37
evening set	6750 Mar 15 15:52	6° \mathcal{Y} 49'36		retrograde	6751 Feb 23 18:57	22° \mathcal{H} 29'40	
inferior conj	6750 Mar 21 00:37	0° \mathcal{Y} 46'58	3°10'28	asc. node	6751 Feb 23 14:59	22° \mathcal{H} 29'32	
minimum elong	6750 Mar 20 22:52	0° \mathcal{Y} 52'54	3°10'11	evening set	6751 Feb 27 23:45	20° \mathcal{H} 50'38	
	6750 Mar 21 14:31	30° $\mathcal{R}\mathcal{H}$		inferior conj	6751 Mar 05 07:27	14° \mathcal{H} 36'22	2°45'23
min. Earth dist.	6750 Mar 21 21:33	29° \mathcal{H} 36'19	0.67395 AU	minimum elong	6751 Mar 05 05:12	14° \mathcal{H} 44'10	2°44'51
morning rise	6750 Mar 26 05:39	24° \mathcal{H} 31'25		min. Earth dist.	6751 Mar 05 15:16	14° \mathcal{H} 09'15	0.68037 AU
direct	6750 Apr 01 01:20	21° \mathcal{H} 55'25		morning rise	6751 Mar 10 10:28	8° \mathcal{H} 23'07	
morning max el	6750 Apr 12 18:16	28° \mathcal{H} 55'39	24°54'48	direct	6751 Mar 15 16:09	6° \mathcal{H} 05'16	
desc. node	6750 Apr 13 05:30	29° \mathcal{H} 24'23		morning max el	6751 Mar 26 03:29	12° \mathcal{H} 19'05	23°25'53
	6750 Apr 13 19:07	0° \mathcal{Y}		desc. node	6751 Mar 31 02:31	17° \mathcal{H} 51'27	
	6750 May 05 23:20	0° \mathcal{B}			6751 Apr 09 07:28	0° \mathcal{Y}	
morning set	6750 May 18 19:30	21° \mathcal{B} 23'25		morning set	6751 Apr 28 19:31	0° \mathcal{B}	
max. Earth dist.	6750 May 22 10:26	27° \mathcal{B} 56'53	1.36961 AU	max. Earth dist.	6751 Apr 30 05:11	2° \mathcal{B} 21'09	
	6750 May 23 13:00	0° Π			6751 May 04 06:16	9° \mathcal{B} 17'48	1.39143 AU
superior conj	6750 May 28 22:45	10° Π 20'31	-1°04'16	superior conj	6751 May 11 19:36	22° \mathcal{B} 56'24	-1°33'22
minimum elong	6750 May 29 02:31	10° Π 38'57	1°03'41	minimum elong	6751 May 12 00:48	23° \mathcal{B} 20'40	1°32'45
asc. node	6750 Jun 04 17:07	23° Π 51'09			6751 May 15 13:17	0° Π	
evening rise	6750 Jun 06 08:34	27° Π 09'34		evening rise	6751 May 21 04:12	10° Π 51'19	
	6750 Jun 07 18:42	0° \mathcal{E}		asc. node	6751 May 22 14:10	13° Π 35'08	
evening max el	6750 Jun 23 08:45	24° \mathcal{E} 53'07	19°29'19		6751 May 31 20:01	0° \mathcal{E}	
retrograde	6750 Jul 02 21:51	29° \mathcal{E} 34'40		evening max el	6751 Jun 06 09:09	7° \mathcal{E} 01'53	18°41'30
evening set	6750 Jul 04 19:14	29° \mathcal{E} 24'25		retrograde	6751 Jun 14 10:52	11° \mathcal{E} 01'17	
desc. node	6750 Jul 10 04:44	27° \mathcal{E} 19'11		evening set	6751 Jun 16 13:09	10° \mathcal{E} 46'06	
inferior conj	6750 Jul 13 11:57	25° \mathcal{E} 18'32	-0°59'58	inferior conj	6751 Jun 24 10:19	6° \mathcal{E} 22'39	0°46'29
minimum elong	6750 Jul 13 09:15	25° \mathcal{E} 22'52	0°58'59	minimum elong	6751 Jun 24 12:02	6° \mathcal{E} 19'27	0°45'49
min. Earth dist.	6750 Jul 15 23:40	23° \mathcal{E} 43'07	0.55681 AU	desc. node	6751 Jun 27 01:47	4° \mathcal{E} 23'59	
morning rise	6750 Jul 21 20:43	20° \mathcal{E} 43'44		min. Earth dist.	6751 Jun 27 16:50	3° \mathcal{E} 56'48	0.57321 AU
direct	6750 Jul 26 14:55	19° \mathcal{E} 52'53		morning rise	6751 Jul 02 07:27	1° \mathcal{E} 10'51	
morning max el	6750 Aug 09 15:43	26° \mathcal{E} 55'39	25°00'52		6751 Jul 06 04:20	30° $\mathcal{R}\Pi$	
	6750 Aug 12 15:13	0° \mathcal{O}		direct	6751 Jul 07 22:44	29° Π 52'12	
asc. node	6750 Aug 31 16:29	29° \mathcal{O} 49'41			6751 Jul 09 17:25	0° \mathcal{E}	
	6750 Aug 31 18:33	0° Π		morning max el	6751 Jul 22 07:35	7° \mathcal{E} 24'58	26°30'11
morning set	6750 Sep 04 21:28	8° Π 30'14			6751 Aug 08 03:44	0° \mathcal{O}	

asc. node	6751 Aug 18 13:30	19°♌33'29		morning set	6752 Aug 03 15:32	7°♌49'39	
morning set	6751 Aug 20 07:59	23°♌15'41		asc. node	6752 Aug 04 10:32	9°♌29'28	
	6751 Aug 23 11:02	0°♍		max. Earth dist.	6752 Aug 10 03:15	21°♌51'33	1.31791 AU
superior conj	6751 Aug 27 06:36	8°♍24'49	1°19'13	superior conj	6752 Aug 10 18:20	23°♌14'57	1°01'16
minimum elong	6751 Aug 27 04:22	8°♍12'28	1°18'54	minimum elong	6752 Aug 10 16:08	23°♌02'50	1°00'52
max. Earth dist.	6751 Aug 27 16:34	9°♍19'58	1.31926 AU		6752 Aug 13 19:37	0°♍	
evening rise	6751 Sep 03 03:57	23°♍23'06		evening rise	6752 Aug 17 12:54	8°♍04'25	
	6751 Sep 06 09:11	0°♎			6752 Aug 28 20:24	0°♎	
desc. node	6751 Sep 23 00:56	28°♎30'16		desc. node	6752 Sep 08 21:59	16°♎26'33	
	6751 Sep 24 02:47	0°♎		evening max el	6752 Sep 14 22:21	23°♎03'43	26°03'16
evening max el	6751 Oct 04 00:07	11°♎31'53	27°01'43		6752 Sep 26 21:40	0°♎	
retrograde	6751 Oct 17 21:26	18°♎42'49		retrograde	6752 Sep 28 21:11	0°♎09'27	
evening set	6751 Oct 24 21:35	16°♎33'30			6752 Sep 30 20:25	30°♎♊	
min. Earth dist.	6751 Oct 28 14:34	13°♎53'10	0.60791 AU	evening set	6752 Oct 05 06:40	28°♎31'21	
inferior conj	6751 Oct 31 18:14	11°♎13'04	-4°07'05	min. Earth dist.	6752 Oct 09 11:16	25°♎56'21	0.58710 AU
minimum elong	6751 Nov 01 01:01	10°♎58'40	4°05'10	inferior conj	6752 Oct 12 15:43	23°♎35'34	-4°59'36
morning rise	6751 Nov 08 06:39	6°♎23'45		minimum elong	6752 Oct 12 21:30	23°♎24'51	4°58'36
direct	6751 Nov 10 12:50	6°♎03'33		morning rise	6752 Oct 20 14:37	19°♎08'46	
asc. node	6751 Nov 14 12:51	7°♎09'59		direct	6752 Oct 22 22:46	18°♎50'36	
morning max el	6751 Nov 17 19:07	9°♎40'37	18°00'36	morning max el	6752 Oct 31 02:59	22°♎47'48	18°32'37
	6751 Dec 01 01:47	0°♏		asc. node	6752 Oct 31 09:53	23°♎04'42	
morning set	6751 Dec 03 11:44	4°♏27'11			6752 Nov 05 20:42	0°♎	
				morning set	6752 Nov 16 05:13	18°♎31'21	
superior conj	6751 Dec 13 12:47	22°♏44'01	0°45'58		6752 Nov 22 04:11	0°♏	
minimum elong	6751 Dec 13 16:08	22°♏58'48	0°45'34				
	6751 Dec 17 17:14	0°♐		superior conj	6752 Nov 25 01:51	5°♏28'09	1°13'22
desc. node	6751 Dec 20 00:09	3°♐52'22		minimum elong	6752 Nov 25 05:23	5°♏44'36	1°13'01
max. Earth dist.	6751 Dec 21 03:26	5°♐46'17	1.42149 AU	max. Earth dist.	6752 Dec 02 10:48	18°♏45'00	1.40113 AU
evening rise	6751 Dec 26 20:37	15°♐04'19		desc. node	6752 Dec 05 21:10	24°♏37'08	
	6752 Jan 05 12:42	0°♑		evening rise	6752 Dec 06 16:11	25°♏56'48	
	6752 Jan 27 21:23	0°♑			6752 Dec 09 03:08	0°♐	
evening max el	6752 Jan 28 20:40	1°♑00'15	22°29'16		6752 Dec 29 05:39	0°♑	
retrograde	6752 Feb 07 15:30	6°♑49'01		evening max el	6753 Jan 10 11:11	14°♑42'32	23°49'22
asc. node	6752 Feb 10 12:04	6°♑06'58		retrograde	6753 Jan 21 08:52	21°♑07'59	
evening set	6752 Feb 12 07:19	4°♑54'51		evening set	6753 Jan 26 13:01	18°♑59'00	
	6752 Feb 16 14:23	30°♑♊		asc. node	6753 Jan 27 09:07	18°♑13'04	
inferior conj	6752 Feb 17 15:47	28°♑32'16	2°11'16	inferior conj	6753 Jan 31 23:45	12°♑32'04	1°29'04
minimum elong	6752 Feb 17 13:29	28°♑40'14	2°10'34	minimum elong	6753 Jan 31 21:53	12°♑38'25	1°28'24
min. Earth dist.	6752 Feb 17 11:38	28°♑46'38	0.68266 AU	min. Earth dist.	6753 Jan 31 08:19	13°♑24'35	0.68109 AU
morning rise	6752 Feb 22 19:31	22°♑22'42		morning rise	6753 Feb 06 06:44	6°♑27'52	
direct	6752 Feb 27 10:52	20°♑26'39		direct	6753 Feb 10 08:23	4°♑54'20	
morning max el	6752 Mar 07 15:36	25°♑49'43	21°57'54	morning max el	6753 Feb 18 10:05	9°♑31'20	20°38'28
	6752 Mar 11 10:31	0°♒		desc. node	6753 Mar 03 20:32	26°♑45'31	
desc. node	6752 Mar 16 23:32	7°♒02'29			6753 Mar 06 02:07	0°♒	
	6752 Apr 01 19:40	0°♒		morning set	6753 Mar 19 15:51	20°♒31'05	
morning set	6752 Apr 09 11:08	11°♒59'59			6753 Mar 25 16:24	0°♒	
max. Earth dist.	6752 Apr 15 04:31	21°♒22'38	1.41331 AU	max. Earth dist.	6753 Mar 28 09:57	4°♒23'11	1.43242 AU
	6752 Apr 20 06:12	0°♓					
superior conj	6752 Apr 22 21:56	4°♓38'38	-1°56'58	superior conj	6753 Apr 04 01:08	15°♒17'40	-2°09'47
minimum elong	6752 Apr 23 03:00	5°♓01'00	1°56'36	minimum elong	6753 Apr 04 02:54	15°♒25'01	2°09'46
evening rise	6752 May 03 12:25	23°♓56'53			6753 Apr 12 15:10	0°♓	
	6752 May 06 19:08	0°♔		evening rise	6753 Apr 16 04:54	6°♓16'56	
asc. node	6752 May 08 11:13	3°♔01'48		asc. node	6753 Apr 25 08:17	22°♓05'13	
evening max el	6752 May 19 17:18	19°♔44'09	18°13'59		6753 Apr 30 17:18	0°♔	
retrograde	6752 May 26 18:28	23°♔16'32		evening max el	6753 May 03 05:34	2°♔50'38	18°06'01
evening set	6752 May 29 04:08	22°♔52'37		retrograde	6753 May 09 17:46	6°♔12'03	
inferior conj	6752 Jun 05 06:13	18°♔08'56	2°05'21	evening set	6753 May 12 10:35	5°♔36'54	
minimum elong	6752 Jun 05 09:28	18°♔01'50	2°04'20	inferior conj	6753 May 18 21:03	0°♔33'01	2°55'14
min. Earth dist.	6752 Jun 08 15:49	15°♔11'55	0.59433 AU	minimum elong	6753 May 18 23:45	0°♔26'12	2°54'39
morning rise	6752 Jun 12 11:50	12°♔27'15			6753 May 19 10:07	30°♔♊	
desc. node	6752 Jun 12 22:50	12°♔11'51		min. Earth dist.	6753 May 21 22:29	27°♔29'39	0.61667 AU
direct	6752 Jun 18 20:24	10°♔35'20		morning rise	6753 May 25 10:59	24°♔32'11	
morning max el	6752 Jul 03 05:24	18°♔26'38	27°30'33	desc. node	6753 May 30 19:51	22°♔16'17	
	6752 Jul 12 22:14	0°♕		direct	6753 Jun 01 04:58	22°♔10'31	
	6752 Jul 30 19:14	0°♌			6753 Jun 15 05:11	0°♔	
				morning max el	6753 Jun 15 09:25	0°♔10'32	27°54'07

	6753 Jul 06 23:47	0°☿			6754 Jun 11 15:39	0°♊		
morning set	6753 Jul 18 18:14	22°☿06'36			6754 Jun 29 11:51	0°☿		
asc. node	6753 Jul 22 07:33	29°☿33'01		morning set	6754 Jul 02 13:44	5°☿59'49		
	6753 Jul 22 12:36	0°♌		max. Earth dist.	6754 Jul 07 14:10	16°☿16'35	1.32863 AU	
max. Earth dist.	6753 Jul 24 11:43	4°♌14'01	1.32100 AU	asc. node	6754 Jul 09 04:33	19°☿39'51		
superior conj	6753 Jul 26 04:29	7°♌56'31	0°39'03	superior conj	6754 Jul 10 11:11	22°☿23'47	0°13'06	
minimum elong	6753 Jul 26 02:49	7°♌47'24	0°38'40	minimum elong	6754 Jul 10 10:33	22°☿20'21	0°12'55	
evening rise	6753 Aug 02 00:10	22°♌49'42		behind sun begin	6754 Jul 10 07:22	22°☿03'17		
	6753 Aug 05 10:32	0°♍		behind sun end	6754 Jul 10 13:44	22°☿37'27		
	6753 Aug 23 23:00	0°♊			6754 Jul 13 23:37	0°♌		
desc. node	6753 Aug 26 19:01	3°♊04'07		evening rise	6754 Jul 17 11:52	7°♌32'55		
evening max el	6753 Aug 27 13:14	3°♊48'46	24°38'06		6754 Jul 29 06:04	0°♍		
retrograde	6753 Sep 10 09:26	10°♊46'43		evening max el	6754 Aug 09 01:13	14°♍07'17	23°00'09	
evening set	6753 Sep 15 15:17	9°♊45'20		desc. node	6754 Aug 13 16:03	17°♍53'42		
min. Earth dist.	6753 Sep 21 00:24	6°♊57'21	0.56802 AU	retrograde	6754 Aug 22 09:16	20°♍47'13		
inferior conj	6753 Sep 23 17:15	5°♊13'24	-5°26'15	evening set	6754 Aug 26 02:50	20°♍16'45		
minimum elong	6753 Sep 23 18:22	5°♊11'36	5°26'13	min. Earth dist.	6754 Sep 02 09:45	16°♍59'18	0.55380 AU	
morning rise	6753 Oct 01 23:41	1°♊08'29		inferior conj	6754 Sep 03 23:27	16°♍04'53	-5°09'09	
direct	6753 Oct 04 14:19	0°♊49'42		minimum elong	6754 Sep 03 17:34	16°♍13'24	5°08'23	
morning max el	6753 Oct 14 00:59	5°♊16'54	19°26'23	morning rise	6754 Sep 12 10:28	12°♍14'50		
asc. node	6753 Oct 18 06:55	10°♊08'49		direct	6754 Sep 15 11:05	11°♍53'18		
	6753 Oct 29 19:09	0°♋		morning max el	6754 Sep 26 10:47	17°♍00'42	20°42'15	
morning set	6753 Oct 31 06:57	2°♋58'17		asc. node	6754 Oct 05 03:55	28°♍07'31		
					6754 Oct 06 07:25	0°♊		
superior conj	6753 Nov 08 07:31	19°♋00'09	1°31'11	morning set	6754 Oct 15 14:06	17°♊39'57		
minimum elong	6753 Nov 08 10:01	19°♋12'23	1°31'01		6754 Oct 21 12:46	0°♋		
	6753 Nov 14 02:04	0°♌						
max. Earth dist.	6753 Nov 14 16:16	1°♌05'21	1.37976 AU	superior conj	6754 Oct 23 01:12	3°♋07'04	1°40'25	
evening rise	6753 Nov 18 10:03	7°♌49'02		minimum elong	6754 Oct 23 02:16	3°♋12'33	1°40'24	
desc. node	6753 Nov 22 18:10	15°♌16'13		max. Earth dist.	6754 Oct 28 00:27	13°♋02'39	1.35977 AU	
	6753 Dec 02 00:05	0°♍		evening rise	6754 Oct 31 23:29	20°♋34'12		
evening max el	6753 Dec 24 00:16	28°♍28'08	25°06'19		6754 Nov 06 05:41	0°♌		
	6753 Dec 25 15:13	0°♎		desc. node	6754 Nov 09 15:13	5°♌45'25		
retrograde	6754 Jan 04 21:58	5°♎21'35			6754 Nov 25 23:08	0°♍		
evening set	6754 Jan 10 15:16	2°♎59'05		evening max el	6754 Dec 06 13:10	12°♍13'17	26°12'55	
	6754 Jan 13 12:25	30°♋♍		retrograde	6754 Dec 19 06:07	19°♍24'30		
asc. node	6754 Jan 14 06:10	29°♍05'31		evening set	6754 Dec 25 12:23	16°♍51'27		
min. Earth dist.	6754 Jan 15 02:56	27°♍59'09	0.67580 AU	min. Earth dist.	6754 Dec 29 17:14	12°♍26'28	0.66686 AU	
inferior conj	6754 Jan 16 05:31	26°♍32'15	0°39'26	inferior conj	6754 Dec 31 07:14	10°♍29'41	-0°16'52	
minimum elong	6754 Jan 16 04:34	26°♍35'23	0°39'06	minimum elong	6754 Dec 31 07:41	10°♍28'18	0°16'37	
morning rise	6754 Jan 21 18:07	20°♍35'23		asc. node	6755 Jan 01 03:11	9°♍28'49		
direct	6754 Jan 25 07:15	19°♍22'58		morning rise	6755 Jan 06 03:38	4°♍42'22		
morning max el	6754 Feb 01 12:34	23°♍24'37	19°32'14	direct	6755 Jan 09 05:51	3°♍48'05		
	6754 Feb 07 02:24	0°♎		morning max el	6755 Jan 15 22:23	7°♍26'46	18°41'31	
greatest brilliancy	6754 Feb 14 10:38	10°♎25'23	-0.7m		6755 Jan 31 23:59	0°♏		
desc. node	6754 Feb 18 17:30	16°♎51'27		desc. node	6755 Feb 05 14:31	7°♎14'15		
morning set	6754 Feb 26 13:01	28°♎49'01		morning set	6755 Feb 06 03:19	8°♎04'36		
	6754 Feb 27 07:25	0°♐			6755 Feb 20 02:42	0°♑		
max. Earth dist.	6754 Mar 10 22:52	18°♐11'07	1.44634 AU	max. Earth dist.	6755 Feb 21 16:38	2°♑28'33	1.45351 AU	
superior conj	6754 Mar 15 03:07	24°♑50'24	-2°05'56	superior conj	6755 Feb 22 10:20	3°♑37'57	-1°42'03	
minimum elong	6754 Mar 14 22:23	24°♑31'26	2°05'45	minimum elong	6755 Feb 22 00:54	3°♑00'59	1°41'10	
	6754 Mar 18 07:55	0°♒		evening rise	6755 Mar 09 22:00	28°♑09'44		
evening rise	6754 Mar 29 01:03	17°♒42'08			6755 Mar 11 01:31	0°♒		
	6754 Apr 05 09:25	0°♓		greatest brilliancy	6755 Mar 17 12:34	10°♒20'44	-0.9m	
asc. node	6754 Apr 12 05:19	10°♓37'22		asc. node	6755 Mar 30 02:20	28°♒28'38		
evening max el	6754 Apr 16 18:37	16°♓12'06	18°16'57	evening max el	6755 Mar 31 05:45	29°♒41'54	18°45'56	
retrograde	6754 Apr 23 04:12	19°♓37'15			6755 Mar 31 13:02	0°♓		
evening set	6754 Apr 26 03:47	18°♓49'25		retrograde	6755 Apr 06 21:42	3°♓23'36		
inferior conj	6754 May 02 02:42	13°♓26'45	3°20'58	evening set	6755 Apr 10 04:09	2°♓22'20		
minimum elong	6754 May 02 04:01	13°♓23'01	3°20'49		6755 Apr 12 23:24	30°♋♒		
min. Earth dist.	6754 May 04 14:17	10°♓39'14	0.63739 AU	inferior conj	6755 Apr 15 19:14	26°♒42'36	3°27'55	
morning rise	6754 May 08 03:12	7°♓15'29		minimum elong	6755 Apr 15 19:06	26°♒42'59	3°27'54	
direct	6754 May 14 22:08	4°♓34'14		min. Earth dist.	6755 Apr 17 15:21	24°♒26'34	0.65483 AU	
desc. node	6754 May 17 16:52	4°♓58'18		morning rise	6755 Apr 21 09:31	20°♒26'53		
morning max el	6754 May 28 17:57	12°♓34'22	27°40'19	direct	6755 Apr 27 22:46	17°♒38'32		

desc. node	6755 May 04 13:53	19° Υ 55'18		inferior conj	6756 Mar 29 19:23	10° Υ 15'21	3°20'18
morning max el	6755 May 11 04:18	25° Υ 27'40	26°53'45	minimum elong	6756 Mar 29 18:06	10° Υ 19'33	3°20'09
	6755 May 15 07:50	0° \mathcal{B}		min. Earth dist.	6756 Mar 31 00:31	8° Υ 39'28	0.66819 AU
	6755 Jun 05 03:51	0° Π		morning rise	6756 Apr 04 02:51	3° Υ 58'53	
morning set	6755 Jun 15 22:56	19° Π 19'45		direct	6756 Apr 10 05:48	1° Υ 15'21	
max. Earth dist.	6755 Jun 20 06:52	27° Π 49'40	1.34098 AU	desc. node	6756 Apr 20 10:54	6° Υ 35'15	
	6755 Jun 21 08:39	0° \mathcal{E}		morning max el	6756 Apr 22 14:05	8° Υ 38'26	25°42'44
					6756 May 09 08:04	0° \mathcal{B}	
superior conj	6755 Jun 24 12:14	6° \mathcal{E} 29'31	-0°15'51		6756 May 27 16:26	0° Π	
minimum elong	6755 Jun 24 13:05	6° \mathcal{E} 34'01	0°15'44	morning set	6756 May 28 17:54	1° Π 55'46	
behind sun begin	6755 Jun 24 11:59	6° \mathcal{E} 28'15		max. Earth dist.	6756 Jun 01 12:11	8° Π 56'59	1.35798 AU
behind sun end	6755 Jun 24 14:12	6° \mathcal{E} 39'47					
asc. node	6755 Jun 26 01:33	9° \mathcal{E} 45'15		superior conj	6756 Jun 07 05:04	20° Π 07'22	-0°46'32
evening rise	6755 Jul 01 22:02	22° \mathcal{E} 07'02		minimum elong	6756 Jun 07 07:45	20° Π 20'52	0°46'05
	6755 Jul 05 18:29	0° Ω		asc. node	6756 Jun 11 22:35	29° Π 45'42	
evening max el	6755 Jul 21 18:48	24° Ω 32'59	21°25'45		6756 Jun 12 01:22	0° \mathcal{E}	
	6755 Jul 30 03:34	0° \mathcal{M}		evening rise	6756 Jun 15 04:37	6° \mathcal{E} 26'16	
desc. node	6755 Jul 31 13:05	0° \mathcal{M} 21'17			6756 Jun 28 08:02	0° Ω	
retrograde	6755 Aug 02 23:37	0° \mathcal{M} 35'34		evening max el	6756 Jul 03 00:28	5° Ω 34'27	20°06'17
evening set	6755 Aug 05 10:23	0° \mathcal{M} 21'48		retrograde	6756 Jul 13 13:30	10° Ω 45'15	
	6755 Aug 06 23:08	30° $\mathcal{R}\Omega$		evening set	6756 Jul 15 11:12	10° Ω 35'51	
inferior conj	6755 Aug 14 17:26	26° Ω 22'48	-3°58'28	desc. node	6756 Jul 17 10:07	10° Ω 07'51	
minimum elong	6755 Aug 14 08:12	26° Ω 35'44	3°55'56	inferior conj	6756 Jul 24 12:55	6° Ω 36'57	-2°08'23
min. Earth dist.	6755 Aug 14 19:09	26° Ω 20'23	0.54744 AU	minimum elong	6756 Jul 24 06:58	6° Ω 45'49	2°06'14
morning rise	6755 Aug 23 06:56	22° Ω 30'21		min. Earth dist.	6756 Jul 26 06:42	5° Ω 34'38	0.55068 AU
direct	6755 Aug 26 20:06	22° Ω 03'08		morning rise	6756 Aug 02 01:13	2° Ω 21'28	
morning max el	6755 Sep 08 08:43	27° Ω 58'19	22°17'04	direct	6756 Aug 06 07:36	1° Ω 41'49	
	6755 Sep 10 09:24	0° \mathcal{M}		morning max el	6756 Aug 19 23:04	8° Ω 23'17	24°01'44
asc. node	6755 Sep 22 00:55	16° \mathcal{M} 47'18			6756 Sep 04 16:45	0° \mathcal{M}	
	6755 Sep 28 19:51	0° \mathcal{E}		asc. node	6756 Sep 07 21:57	5° \mathcal{M} 58'10	
morning set	6755 Sep 30 00:24	2° \mathcal{E} 28'55		morning set	6756 Sep 13 12:03	17° \mathcal{M} 20'11	
					6756 Sep 19 08:32	0° \mathcal{E}	
superior conj	6755 Oct 07 03:08	17° \mathcal{E} 36'58	1°42'15	superior conj	6756 Sep 20 10:32	2° \mathcal{E} 21'20	1°37'39
minimum elong	6755 Oct 07 02:51	17° \mathcal{E} 35'26	1°42'15	minimum elong	6756 Sep 20 09:10	2° \mathcal{E} 13'56	1°37'34
max. Earth dist.	6755 Oct 10 15:29	24° \mathcal{E} 56'57	1.34296 AU	max. Earth dist.	6756 Sep 22 15:05	7° \mathcal{E} 04'38	1.33030 AU
	6755 Oct 13 03:22	0° \mathcal{M}		evening rise	6756 Sep 27 20:56	18° \mathcal{E} 00'16	
evening rise	6755 Oct 15 04:22	4° \mathcal{M} 01'13			6756 Oct 04 02:13	0° \mathcal{M}	
desc. node	6755 Oct 27 12:15	25° \mathcal{M} 58'24		desc. node	6756 Oct 13 09:16	15° \mathcal{M} 48'12	
	6755 Oct 30 00:59	0° \mathcal{X}			6756 Oct 23 09:30	0° \mathcal{X}	
evening max el	6755 Nov 19 02:01	25° \mathcal{X} 49'46	27°02'03	evening max el	6756 Oct 31 13:56	9° \mathcal{X} 07'30	27°26'35
	6755 Nov 24 02:02	0° \mathcal{B}		retrograde	6756 Nov 14 05:13	16° \mathcal{X} 25'50	
retrograde	6755 Dec 02 08:45	3° \mathcal{B} 08'48		evening set	6756 Nov 21 06:28	13° \mathcal{X} 50'46	
evening set	6755 Dec 09 02:19	0° \mathcal{B} 30'42		min. Earth dist.	6756 Nov 25 00:14	10° \mathcal{X} 32'57	0.63834 AU
	6755 Dec 09 17:14	30° $\mathcal{R}\mathcal{X}$		inferior conj	6756 Nov 27 13:29	7° \mathcal{X} 55'32	-2°24'41
min. Earth dist.	6755 Dec 13 01:01	26° \mathcal{X} 40'23	0.65426 AU	minimum elong	6756 Nov 27 17:53	7° \mathcal{X} 44'13	2°22'55
inferior conj	6755 Dec 15 02:43	24° \mathcal{X} 19'22	-1°18'50	morning rise	6756 Dec 04 06:56	2° \mathcal{X} 35'20	
minimum elong	6755 Dec 15 05:01	24° \mathcal{X} 12'50	1°17'48	asc. node	6756 Dec 04 21:16	2° \mathcal{X} 22'46	
asc. node	6755 Dec 19 00:12	20° \mathcal{X} 19'20		direct	6756 Dec 06 17:35	2° \mathcal{X} 05'49	
morning rise	6755 Dec 21 08:52	18° \mathcal{X} 44'10		morning max el	6756 Dec 13 06:22	5° \mathcal{X} 30'06	17°50'23
direct	6755 Dec 24 02:07	18° \mathcal{X} 04'16			6756 Dec 29 09:29	0° \mathcal{B}	
morning max el	6755 Dec 30 13:16	21° \mathcal{X} 31'05	18°07'24	morning set	6756 Dec 29 21:53	0° \mathcal{B} 53'09	
	6756 Jan 06 04:31	0° \mathcal{B}		desc. node	6757 Jan 09 08:32	18° \mathcal{B} 30'36	
morning set	6756 Jan 17 22:52	18° \mathcal{B} 48'50					
desc. node	6756 Jan 23 11:32	27° \mathcal{B} 48'49		superior conj	6757 Jan 11 15:03	22° \mathcal{B} 14'09	-0°16'10
	6756 Jan 24 20:02	0° \approx		minimum elong	6757 Jan 11 13:15	22° \mathcal{B} 06'47	0°15'52
superior conj	6756 Feb 01 16:10	12° \approx 29'49	-1°01'59	behind sun begin	6757 Jan 11 11:33	21° \mathcal{B} 59'50	
minimum elong	6756 Feb 01 08:48	12° \approx 00'43	1°01'01	behind sun end	6757 Jan 11 14:57	22° \mathcal{B} 13'45	
max. Earth dist.	6756 Feb 04 12:00	16° \approx 56'42	1.45323 AU		6757 Jan 16 10:36	0° \approx	
	6756 Feb 12 20:45	0° \mathcal{H}		max. Earth dist.	6757 Jan 17 06:24	1° \approx 18'52	1.44570 AU
evening rise	6756 Feb 17 21:32	7° \mathcal{H} 48'52		evening rise	6757 Jan 27 08:56	17° \approx 05'16	
greatest brilliancy	6756 Mar 01 15:46	27° \mathcal{H} 25'05	-0.7m		6757 Feb 04 21:04	0° \mathcal{H}	
	6756 Mar 03 09:24	0° Υ		evening max el	6757 Feb 24 15:07	26° \mathcal{H} 52'56	20°32'25
evening max el	6756 Mar 13 13:00	13° Υ 16'28	19°31'47		6757 Feb 28 05:52	0° Υ	
asc. node	6756 Mar 15 23:22	15° Υ 27'30		asc. node	6757 Mar 02 20:27	1° Υ 19'12	
retrograde	6756 Mar 20 18:55	17° Υ 25'31		retrograde	6757 Mar 04 17:18	1° Υ 37'29	
evening set	6756 Mar 24 09:03	16° Υ 10'09		evening set	6757 Mar 08 16:21	0° Υ 07'21	

	6757 Mar 08 20:08	30° RH		asc. node	6758 Feb 17 17:31	15° $\text{H}\text{49}'13$	
inferior conj	6757 Mar 14 00:26	23° $\text{H}\text{59}'38$	3°01'01	evening set	6758 Feb 21 00:18	14° $\text{H}\text{10}'10$	
minimum elong	6757 Mar 13 22:25	24° $\text{H}\text{06}'33$	3°00'37	inferior conj	6758 Feb 26 08:09	7° $\text{H}\text{52}'11$	2°31'57
min. Earth dist.	6757 Mar 14 15:43	23° $\text{H}\text{07}'17$	0.67721 AU	minimum elong	6758 Feb 26 05:50	8° $\text{H}\text{00}'16$	2°31'19
morning rise	6757 Mar 19 04:15	17° $\text{H}\text{44}'47$		min. Earth dist.	6758 Feb 26 10:48	7° $\text{H}\text{43}'00$	0.68195 AU
direct	6757 Mar 24 18:12	15° $\text{H}\text{15}'31$		morning rise	6758 Mar 03 11:11	1° $\text{H}\text{40}'30$	
morning max el	6757 Apr 04 22:49	21° $\text{H}\text{57}'16$	24°17'19		6758 Mar 06 01:42	30° RH	
desc. node	6757 Apr 07 07:56	24° $\text{H}\text{29}'20$		direct	6758 Mar 08 10:51	29° $\text{H}\text{31}'30$	
	6757 Apr 11 22:56	0° Y			6758 Mar 10 23:29	0° H	
	6757 May 02 15:00	0° B		morning max el	6758 Mar 18 08:42	5° $\text{H}\text{22}'57$	22°47'44
morning set	6757 May 10 17:19	13° $\text{B}\text{32}'59$		desc. node	6758 Mar 25 04:56	13° $\text{H}\text{16}'44$	
max. Earth dist.	6757 May 14 09:10	20° $\text{B}\text{01}'31$	1.37871 AU		6758 Apr 06 06:58	0° Y	
	6757 May 19 18:48	0° II		morning set	6758 Apr 21 15:29	23° $\text{Y}\text{57}'06$	
					6758 Apr 25 06:10	0° B	
superior conj	6757 May 21 10:20	3° $\text{II}\text{08}'23$	-1°17'02	max. Earth dist.	6758 Apr 26 05:26	1° $\text{B}\text{39}'13$	1.40102 AU
minimum elong	6757 May 21 14:49	3° $\text{II}\text{29}'53$	1°16'23				
asc. node	6757 May 29 19:38	19° $\text{II}\text{36}'36$		superior conj	6758 May 03 23:54	15° $\text{B}\text{22}'45$	-1°44'20
evening rise	6757 May 30 05:03	20° $\text{II}\text{23}'16$		minimum elong	6758 May 04 05:20	15° $\text{B}\text{47}'29$	1°43'48
	6757 Jun 04 04:14	0° B			6758 May 11 19:49	0° II	
evening max el	6757 Jun 15 18:47	17° $\text{B}\text{19}'16$	19°06'30	evening rise	6758 May 13 20:17	3° $\text{II}\text{50}'26$	
retrograde	6757 Jun 24 15:26	21° $\text{B}\text{40}'41$		asc. node	6758 May 16 16:40	9° $\text{II}\text{13}'39$	
evening set	6757 Jun 26 14:26	21° $\text{B}\text{28}'48$		evening max el	6758 May 29 22:54	29° $\text{II}\text{42}'58$	18°27'17
desc. node	6757 Jul 04 07:10	17° $\text{B}\text{43}'35$			6758 May 30 05:59	0° B	
inferior conj	6757 Jul 04 23:09	17° $\text{B}\text{16}'27$	-0°12'01	retrograde	6758 Jun 06 12:31	3° $\text{B}\text{28}'42$	
minimum elong	6757 Jul 04 22:39	17° $\text{B}\text{17}'19$	0°11'52	evening set	6758 Jun 08 18:02	3° $\text{B}\text{10}'03$	
transit middle	6757 Jul 04 22:39	17° $\text{B}\text{17}'19$	0°11'52		6758 Jun 14 12:36	30° RII	
transit begin	6757 Jul 04 20:06	17° $\text{B}\text{21}'41$		inferior conj	6758 Jun 16 06:43	28° $\text{II}\text{37}'46$	1°23'42
transit end	6757 Jul 05 01:12	17° $\text{B}\text{12}'57$		minimum elong	6758 Jun 16 09:25	28° $\text{II}\text{32}'21$	1°22'44
min. Earth dist.	6757 Jul 07 21:08	15° $\text{B}\text{17}'44$	0.56301 AU	min. Earth dist.	6758 Jun 19 16:09	25° $\text{II}\text{56}'04$	0.58188 AU
morning rise	6757 Jul 13 03:43	12° $\text{B}\text{25}'51$		desc. node	6758 Jun 21 04:14	24° $\text{II}\text{50}'39$	
direct	6757 Jul 18 07:20	11° $\text{B}\text{24}'00$		morning rise	6758 Jun 23 21:31	23° $\text{II}\text{12}'18$	
morning max el	6757 Aug 01 12:23	18° $\text{B}\text{41}'01$	25°41'37	direct	6758 Jun 29 21:02	21° $\text{II}\text{39}'51$	
	6757 Aug 11 00:10	0° Q		morning max el	6758 Jul 14 06:22	29° $\text{II}\text{20}'47$	27°00'12
asc. node	6757 Aug 25 18:59	25° $\text{Q}\text{31}'36$			6758 Jul 14 22:11	0° B	
	6757 Aug 27 23:03	0° P			6758 Aug 04 20:08	0° Q	
morning set	6757 Aug 28 23:27	2° $\text{P}\text{08}'46$		asc. node	6758 Aug 12 15:59	15° $\text{Q}\text{20}'47$	
				morning set	6758 Aug 13 08:52	16° $\text{Q}\text{49}'24$	
superior conj	6757 Sep 04 21:06	17° $\text{P}\text{12}'44$	1°27'25		6758 Aug 19 10:23	0° P	
minimum elong	6757 Sep 04 19:04	17° $\text{P}\text{01}'30$	1°27'12	superior conj	6758 Aug 20 08:53	2° $\text{P}\text{04}'38$	1°12'09
max. Earth dist.	6757 Sep 05 21:46	19° $\text{P}\text{28}'24$	1.32201 AU	minimum elong	6758 Aug 20 06:37	1° $\text{P}\text{52}'02$	1°11'47
	6757 Sep 10 18:47	0° A		max. Earth dist.	6758 Aug 20 08:10	2° $\text{P}\text{00}'37$	1.31813 AU
evening rise	6757 Sep 11 21:55	2° $\text{A}\text{21}'59$		evening rise	6758 Aug 27 04:35	16° $\text{P}\text{57}'54$	
	6757 Sep 26 22:40	0° M			6758 Sep 02 15:43	0° A	
desc. node	6757 Sep 30 06:18	5° $\text{M}\text{05}'25$		desc. node	6758 Sep 17 03:21	23° $\text{A}\text{36}'14$	
evening max el	6757 Oct 13 22:43	21° $\text{M}\text{53}'35$	27°20'37		6758 Sep 22 07:11	0° M	
retrograde	6757 Oct 27 18:24	29° $\text{M}\text{06}'47$		evening max el	6758 Sep 26 01:22	3° $\text{M}\text{54}'06$	26°40'50
evening set	6757 Nov 03 21:29	26° $\text{M}\text{45}'02$		retrograde	6758 Oct 09 23:12	11° $\text{M}\text{02}'08$	
min. Earth dist.	6757 Nov 07 13:12	23° $\text{M}\text{53}'58$	0.61959 AU	evening set	6758 Oct 16 18:53	9° $\text{M}\text{04}'56$	
inferior conj	6757 Nov 10 12:34	21° $\text{M}\text{11}'03$	-3°30'58	min. Earth dist.	6758 Oct 20 15:10	6° $\text{M}\text{29}'14$	0.59903 AU
minimum elong	6757 Nov 10 18:48	20° $\text{M}\text{56}'47$	3°28'54	inferior conj	6758 Oct 23 20:21	3° $\text{M}\text{55}'20$	-4°31'29
morning rise	6757 Nov 17 18:06	16° $\text{M}\text{09}'15$		minimum elong	6758 Oct 24 03:06	3° $\text{M}\text{41}'50$	4°29'52
direct	6757 Nov 20 01:01	15° $\text{M}\text{46}'29$			6758 Oct 29 14:32	30° RA	
asc. node	6757 Nov 21 18:20	15° $\text{M}\text{59}'47$		morning rise	6758 Oct 31 13:30	29° $\text{A}\text{15}'21$	
morning max el	6757 Nov 26 22:33	19° $\text{M}\text{16}'24$	17°51'22	direct	6758 Nov 02 20:10	28° $\text{A}\text{56}'13$	
	6757 Dec 04 18:53	0° X			6758 Nov 06 21:18	0° M	
morning set	6757 Dec 12 18:00	13° $\text{X}\text{58}'03$		asc. node	6758 Nov 08 15:23	1° $\text{M}\text{07}'25$	
	6757 Dec 21 18:43	0° B		morning max el	6758 Nov 10 10:27	2° $\text{M}\text{40}'22$	18°11'40
				morning set	6758 Nov 26 05:02	27° $\text{M}\text{44}'26$	
superior conj	6757 Dec 23 15:40	3° $\text{B}\text{13}'30$	0°25'42		6758 Nov 27 09:46	0° X	
minimum elong	6757 Dec 23 17:56	3° $\text{B}\text{23}'13$	0°25'26	superior conj	6758 Dec 05 16:50	15° $\text{X}\text{23}'25$	0°58'48
desc. node	6757 Dec 27 05:32	9° $\text{B}\text{16}'25$		minimum elong	6758 Dec 05 20:28	15° $\text{X}\text{39}'52$	0°58'22
max. Earth dist.	6757 Dec 30 21:47	15° $\text{B}\text{20}'25$	1.43184 AU	max. Earth dist.	6758 Dec 13 08:19	28° $\text{X}\text{45}'36$	1.41317 AU
evening rise	6758 Jan 06 23:38	26° $\text{B}\text{37}'39$		desc. node	6758 Dec 14 02:32	0° $\text{B}\text{02}'21$	
	6758 Jan 09 03:45	0° H			6758 Dec 14 01:58	0° B	
	6758 Jan 29 18:11	0° H		evening rise	6758 Dec 18 06:39	6° $\text{B}\text{55}'49$	
evening max el	6758 Feb 07 11:52	10° $\text{H}\text{30}'59$	21°44'25				
retrograde	6758 Feb 16 14:55	15° $\text{H}\text{55}'39$					

	6759 Jan 02 07:46	0°♊			6759 Dec 27 16:52	0°♊	
evening max el	6759 Jan 21 04:03	24°♊10'49	23°03'09	evening max el	6760 Jan 03 17:32	7°♊53'45	24°22'46
	6759 Jan 29 13:18	0°♋		retrograde	6760 Jan 15 02:00	14°♊32'54	
retrograde	6759 Jan 31 10:13	0°♋15'35		evening set	6760 Jan 20 11:43	12°♊17'40	
	6759 Feb 02 05:10	30°♋		asc. node	6760 Jan 22 11:38	10°♊18'19	
asc. node	6759 Feb 04 14:35	28°♋47'18		min. Earth dist.	6760 Jan 25 03:32	6°♋57'55	0.67930 AU
evening set	6759 Feb 05 07:17	28°♋14'45		inferior conj	6760 Jan 25 23:47	5°♋49'57	1°08'51
inferior conj	6759 Feb 10 16:32	21°♋49'49	1°54'18	minimum elong	6760 Jan 25 22:15	5°♋55'06	1°08'19
minimum elong	6759 Feb 10 14:22	21°♋57'18	1°53'35	morning rise	6760 Jan 31 08:54	29°♋48'42	
min. Earth dist.	6759 Feb 10 07:28	22°♋21'07	0.68256 AU		6760 Jan 31 02:55	30°♋	
morning rise	6759 Feb 15 21:23	15°♋42'36		direct	6760 Feb 04 04:57	28°♋24'39	
direct	6759 Feb 20 06:48	13°♋56'19			6760 Feb 08 14:59	0°♌	
morning max el	6759 Feb 28 23:18	18°♋58'17	21°22'42	morning max el	6760 Feb 11 21:15	2°♌45'23	20°08'27
	6759 Mar 10 02:27	0°♌		desc. node	6760 Feb 26 22:54	22°♌35'45	
desc. node	6759 Mar 12 01:55	2°♌42'21			6760 Mar 02 21:55	0°♍	
	6759 Mar 30 10:55	0°♎		morning set	6760 Mar 10 08:09	11°♍20'20	
morning set	6759 Apr 01 09:40	3°♎03'43		max. Earth dist.	6760 Mar 20 15:34	27°♍31'22	1.43907 AU
max. Earth dist.	6759 Apr 08 07:02	14°♎10'00	1.42199 AU		6760 Mar 22 04:38	0°♏	
superior conj	6759 Apr 15 16:53	26°♏38'58	-2°04'04	superior conj	6760 Mar 26 09:13	6°♏48'37	-2°10'30
minimum elong	6759 Apr 15 21:01	26°♏56'47	2°03'53	minimum elong	6760 Mar 26 08:27	6°♏45'27	2°10'31
	6759 Apr 17 15:12	0°♐		evening rise	6760 Apr 08 06:45	28°♏35'48	
evening rise	6759 Apr 26 22:23	16°♐38'14			6760 Apr 09 02:14	0°♑	
asc. node	6759 May 03 13:43	28°♐31'25		asc. node	6760 Apr 19 10:46	17°♐22'29	
	6759 May 04 10:23	0°♒		evening max el	6760 Apr 25 22:05	25°♐49'51	18°08'23
evening max el	6759 May 13 09:10	12°♒36'28	18°08'11	retrograde	6760 May 02 08:11	29°♐11'26	
retrograde	6759 May 20 03:35	16°♒02'41		evening set	6760 May 05 03:46	28°♐31'12	
evening set	6759 May 22 16:17	15°♒34'15		inferior conj	6760 May 11 08:51	23°♐19'17	3°08'45
inferior conj	6759 May 29 11:12	10°♒41'33	2°29'49	minimum elong	6760 May 11 11:01	23°♐13'33	3°08'23
minimum elong	6759 May 29 14:23	10°♒34'06	2°28'58	min. Earth dist.	6760 May 14 04:52	20°♐19'58	0.62576 AU
min. Earth dist.	6759 Jun 01 18:12	7°♒38'55	0.60383 AU	morning rise	6760 May 17 16:40	17°♐12'46	
morning rise	6759 Jun 05 09:57	4°♒50'12		direct	6760 May 24 11:56	14°♐41'07	
desc. node	6759 Jun 08 01:15	3°♒29'42		desc. node	6760 May 24 22:17	14°♐41'42	
direct	6759 Jun 11 23:18	2°♒45'03		morning max el	6760 Jun 07 13:36	22°♐43'23	27°52'38
morning max el	6759 Jun 26 07:13	10°♒41'09	27°45'25		6760 Jun 13 23:55	0°♓	
	6759 Jul 11 07:55	0°♑			6760 Jul 03 13:15	0°♑	
	6759 Jul 27 23:41	0°♒		morning set	6760 Jul 11 14:33	15°♑24'42	
morning set	6759 Jul 28 14:37	1°♒17'09		asc. node	6760 Jul 16 09:59	25°♑25'50	
asc. node	6759 Jul 30 12:59	5°♒20'39		max. Earth dist.	6760 Jul 17 00:45	26°♑44'54	1.32364 AU
max. Earth dist.	6759 Aug 03 18:32	14°♒30'38	1.31865 AU		6760 Jul 18 12:55	0°♓	
superior conj	6759 Aug 04 20:09	16°♓51'42	0°52'21	superior conj	6760 Jul 19 05:02	1°♓27'29	0°28'28
minimum elong	6759 Aug 04 18:07	16°♓40'30	0°51'55	minimum elong	6760 Jul 19 03:45	1°♓20'29	0°28'08
	6759 Aug 10 19:49	0°♔		evening rise	6760 Jul 26 02:22	16°♓25'58	
evening rise	6759 Aug 11 14:44	1°♔41'35			6760 Aug 01 18:44	0°♕	
	6759 Aug 26 20:06	0°♕		evening max el	6760 Aug 19 08:35	25°♕32'41	23°56'59
desc. node	6759 Sep 04 00:24	11°♕02'06		desc. node	6760 Aug 20 21:26	26°♕57'13	
evening max el	6759 Sep 07 20:01	15°♕03'44	25°29'35		6760 Aug 25 00:58	0°♖	
retrograde	6759 Sep 21 18:18	22°♕07'17		retrograde	6760 Sep 02 01:40	2°♕25'38	
evening set	6759 Sep 27 17:48	20°♕44'15		evening set	6760 Sep 06 16:13	1°♕38'54	
min. Earth dist.	6759 Oct 02 07:54	18°♕06'18	0.57858 AU		6760 Sep 10 10:43	30°♖	
inferior conj	6759 Oct 05 09:28	15°♕58'55	-5°15'08	min. Earth dist.	6760 Sep 12 19:07	28°♖39'52	0.56112 AU
minimum elong	6759 Oct 05 13:46	15°♕51'26	5°14'38	inferior conj	6760 Sep 15 02:17	27°♖15'40	-5°25'20
morning rise	6759 Oct 13 12:03	11°♕42'11		minimum elong	6760 Sep 15 00:26	27°♖18'30	5°25'16
direct	6759 Oct 15 22:26	11°♕24'05		morning rise	6760 Sep 23 10:58	23°♖18'31	
morning max el	6759 Oct 24 14:32	15°♕32'21	18°52'52	direct	6760 Sep 26 05:14	22°♖58'59	
asc. node	6759 Oct 26 12:22	17°♕33'05		morning max el	6760 Oct 06 07:33	27°♖42'31	19°56'08
	6759 Nov 03 18:55	0°♗			6760 Oct 08 12:32	0°♘	
morning set	6759 Nov 10 02:23	11°♗58'54		asc. node	6760 Oct 12 09:21	5°♘01'29	
				morning set	6760 Oct 24 06:40	26°♘32'05	
					6760 Oct 25 23:30	0°♙	
superior conj	6759 Nov 18 13:35	28°♙29'38	1°22'02				
minimum elong	6759 Nov 18 16:47	28°♙44'47	1°21'45				
	6759 Nov 19 08:39	0°♚		superior conj	6760 Nov 01 00:50	12°♙17'22	1°36'04
max. Earth dist.	6759 Nov 25 14:15	11°♚26'09	1.39198 AU	minimum elong	6760 Nov 01 02:44	12°♙26'54	1°35'59
evening rise	6759 Nov 29 11:46	18°♚13'24		max. Earth dist.	6760 Nov 06 19:38	23°♙31'12	1.37089 AU
desc. node	6759 Nov 30 23:33	20°♚44'54			6760 Nov 10 07:58	0°♛	
	6759 Dec 06 15:24	0°♜		evening rise	6760 Nov 10 14:22	0°♛28'53	

desc. node	6760 Nov 16 20:34	11°♄20'06		max. Earth dist.	6761 Oct 20 06:18	5°♄24'02	1.35213 AU
	6760 Nov 28 20:33	0°♄		evening rise	6761 Oct 24 10:51	13°♄32'45	
evening max el	6760 Dec 16 06:22	21°♄39'33	25°36'25		6761 Nov 02 16:46	0°♄	
retrograde	6760 Dec 28 13:16	28°♄42'39		desc. node	6761 Nov 03 17:36	1°♄42'48	
evening set	6761 Jan 03 12:03	26°♄15'16			6761 Nov 23 18:10	0°♄	
min. Earth dist.	6761 Jan 07 20:43	21°♄29'56	0.67235 AU	evening max el	6761 Nov 28 19:30	5°♄22'31	26°36'37
asc. node	6761 Jan 08 08:39	20°♄51'59		retrograde	6761 Dec 11 19:07	12°♄37'53	
inferior conj	6761 Jan 09 04:06	19°♄49'42	0°16'20	evening set	6761 Dec 18 06:21	10°♄02'15	
minimum elong	6761 Jan 09 03:41	19°♄51'02	0°16'14	min. Earth dist.	6761 Dec 22 08:37	5°♄51'53	0.66185 AU
morning rise	6761 Jan 14 19:44	13°♄56'24		inferior conj	6761 Dec 24 03:27	3°♄44'17	-0°42'32
direct	6761 Jan 18 03:56	12°♄52'11		minimum elong	6761 Dec 24 04:38	3°♄40'45	0°41'57
morning max el	6761 Jan 25 03:02	16°♄43'04	19°08'40	asc. node	6761 Dec 26 05:41	1°♄19'35	
	6761 Feb 04 08:56	0°♄			6761 Dec 27 12:54	30°♄♄	
greatest brilliancy	6761 Feb 07 17:54	5°♄02'44	-0.7m	morning rise	6761 Dec 30 03:44	28°♄01'30	
desc. node	6761 Feb 12 19:54	12°♄49'37		direct	6762 Jan 02 01:56	27°♄13'41	
morning set	6761 Feb 17 10:05	19°♄55'55			6762 Jan 07 19:44	0°♄	
	6761 Feb 23 21:29	0°♄		morning max el	6762 Jan 08 15:14	0°♄46'10	18°24'58
max. Earth dist.	6761 Mar 03 06:26	11°♄32'35	1.45026 AU	morning set	6762 Jan 28 12:24	29°♄48'21	
					6762 Jan 28 15:20	0°♄	
superior conj	6761 Mar 06 01:56	15°♄58'56	-1°58'15	desc. node	6762 Jan 30 16:53	3°♄17'39	
minimum elong	6761 Mar 05 18:34	15°♄29'46	1°57'46				
	6761 Mar 14 20:04	0°♄		superior conj	6762 Feb 13 06:02	24°♄41'16	-1°26'31
evening rise	6761 Mar 20 17:17	9°♄36'38		minimum elong	6762 Feb 12 20:40	24°♄04'32	1°25'28
	6761 Apr 02 08:01	0°♄		max. Earth dist.	6762 Feb 14 01:27	25°♄57'20	1.45434 AU
asc. node	6761 Apr 06 07:49	5°♄38'57			6762 Feb 16 15:26	0°♄	
evening max el	6761 Apr 09 10:42	9°♄16'09	18°27'07	evening rise	6762 Mar 01 04:29	19°♄41'22	
retrograde	6761 Apr 15 21:59	12°♄46'40			6762 Mar 07 17:29	0°♄	
evening set	6761 Apr 19 00:24	11°♄53'18		greatest brilliancy	6762 Mar 11 05:03	5°♄26'23	-0.8m
inferior conj	6761 Apr 24 19:37	6°♄23'27	3°25'54	evening max el	6762 Mar 23 20:32	22°♄48'54	19°03'28
minimum elong	6761 Apr 24 20:18	6°♄21'25	3°25'50	asc. node	6762 Mar 24 04:52	23°♄09'42	
min. Earth dist.	6761 Apr 27 00:47	3°♄47'34	0.64535 AU	retrograde	6762 Mar 30 17:20	26°♄40'31	
morning rise	6761 Apr 30 15:22	0°♄09'46		evening set	6762 Apr 03 03:02	25°♄33'12	
	6761 Apr 30 20:09	30°♄♄		inferior conj	6762 Apr 08 15:46	19°♄46'55	3°26'14
direct	6761 May 07 08:45	27°♄23'34		minimum elong	6762 Apr 08 15:07	19°♄49'01	3°26'11
desc. node	6761 May 11 19:18	28°♄25'09		min. Earth dist.	6762 Apr 10 05:23	17°♄47'24	0.66115 AU
	6761 May 14 15:42	0°♄		morning rise	6762 Apr 14 02:48	13°♄30'48	
morning max el	6761 May 20 23:05	5°♄20'45	27°23'52	direct	6762 Apr 20 12:14	10°♄43'11	
	6761 Jun 08 16:48	0°♄		desc. node	6762 Apr 28 16:18	14°♄09'45	
morning set	6761 Jun 25 06:04	29°♄04'39		morning max el	6762 May 03 09:14	18°♄22'14	26°25'52
	6761 Jun 25 17:20	0°♄			6762 May 13 04:19	0°♄	
max. Earth dist.	6761 Jun 29 23:08	8°♄33'48	1.33333 AU		6762 Jun 01 16:41	0°♄	
				morning set	6762 Jun 08 09:47	12°♄07'18	
superior conj	6761 Jul 03 09:37	15°♄46'17	0°01'08	max. Earth dist.	6762 Jun 12 11:01	19°♄54'42	1.34776 AU
minimum elong	6761 Jul 03 09:34	15°♄46'00	0°01'03				
behind sun begin	6761 Jul 03 04:06	15°♄16'58		superior conj	6762 Jun 17 07:35	29°♄41'28	-0°28'45
behind sun end	6761 Jul 03 15:02	16°♄15'05		minimum elong	6762 Jun 17 09:12	29°♄49'44	0°28'29
asc. node	6761 Jul 03 07:00	15°♄32'22			6762 Jun 17 11:11	0°♄	
	6761 Jul 10 01:15	0°♄		asc. node	6762 Jun 20 04:04	5°♄36'25	
evening rise	6761 Jul 10 13:39	1°♄05'38		evening rise	6762 Jun 24 22:36	15°♄34'33	
	6761 Jul 26 20:16	0°♄			6762 Jul 02 06:35	0°♄	
evening max el	6761 Jul 31 22:02	5°♄50'04	22°18'42	evening max el	6762 Jul 13 20:27	16°♄29'14	20°49'38
desc. node	6761 Aug 07 18:29	10°♄49'52		retrograde	6762 Jul 25 08:48	22°♄10'08	
retrograde	6761 Aug 13 20:30	12°♄15'57		desc. node	6762 Jul 25 15:32	22°♄09'56	
evening set	6761 Aug 16 23:07	11°♄54'38		evening set	6762 Jul 27 12:02	21°♄59'12	
min. Earth dist.	6761 Aug 25 04:22	8°♄20'17	0.54999 AU	inferior conj	6762 Aug 05 18:45	18°♄02'10	-3°14'46
inferior conj	6761 Aug 26 01:56	7°♄49'51	-4°45'31	minimum elong	6762 Aug 05 10:15	18°♄14'14	3°12'02
minimum elong	6761 Aug 25 17:48	8°♄01'20	4°43'55	min. Earth dist.	6762 Aug 06 14:15	17°♄34'27	0.54767 AU
morning rise	6761 Sep 03 14:12	4°♄00'54		morning rise	6762 Aug 14 08:26	14°♄02'35	
direct	6761 Sep 06 19:53	3°♄37'19		direct	6762 Aug 18 04:36	13°♄31'00	
morning max el	6761 Sep 18 11:55	9°♄05'08	21°20'40	morning max el	6762 Aug 31 05:46	19°♄46'03	23°01'12
asc. node	6761 Sep 29 06:22	23°♄18'42			6762 Sep 08 18:39	0°♄	
	6761 Oct 02 23:55	0°♄		asc. node	6762 Sep 16 03:23	12°♄13'08	
morning set	6761 Oct 08 15:22	11°♄16'50		morning set	6762 Sep 23 02:30	26°♄07'54	
					6762 Sep 24 22:08	0°♄	
superior conj	6761 Oct 15 22:21	26°♄34'23	1°42'01				
minimum elong	6761 Oct 15 22:49	26°♄36'50	1°42'03	superior conj	6762 Sep 30 02:57	11°♄11'32	1°41'01
	6761 Oct 17 14:12	0°♄		minimum elong	6762 Sep 30 02:10	11°♄07'19	1°41'01

max. Earth dist.	6762 Oct 03 01:25	17° Ω 24'58	1.33706 AU	superior conj	6763 Sep 14 11:58	25° Π 59'43	1°33'57
evening rise	6762 Oct 07 21:12	27° Ω 14'52		minimum elong	6763 Sep 14 10:16	25° Π 50'25	1°33'49
	6762 Oct 09 06:57	0° Π		max. Earth dist.	6763 Sep 16 04:26	29° Π 40'06	1.32623 AU
desc. node	6762 Oct 21 14:39	21° Π 47'14			6763 Sep 16 08:06	0° Ω	
	6762 Oct 26 23:28	0° \mathcal{A}		evening rise	6763 Sep 21 17:42	11° Ω 24'18	
evening max el	6762 Nov 11 08:19	18° \mathcal{A} 52'59	27°15'56		6763 Oct 01 12:43	0° Π	
retrograde	6762 Nov 24 18:55	26° \mathcal{A} 11'38		desc. node	6763 Oct 08 11:42	11° Π 24'32	
evening set	6762 Dec 01 16:27	23° \mathcal{A} 33'47			6763 Oct 22 19:30	0° \mathcal{A}	
min. Earth dist.	6762 Dec 05 12:56	19° \mathcal{A} 57'49	0.64791 AU	evening max el	6763 Oct 24 19:00	1° \mathcal{A} 57'45	27°27'56
inferior conj	6762 Dec 07 19:35	17° \mathcal{A} 28'57	-1°46'25	retrograde	6763 Nov 07 12:18	9° \mathcal{A} 14'19	
minimum elong	6762 Dec 07 22:45	17° \mathcal{A} 20'17	1°45'04	evening set	6763 Nov 14 15:26	6° \mathcal{A} 43'13	
asc. node	6762 Dec 13 02:43	12° \mathcal{A} 36'53		min. Earth dist.	6763 Nov 18 07:41	3° \mathcal{A} 38'08	0.63069 AU
morning rise	6762 Dec 14 06:22	11° \mathcal{A} 59'42		inferior conj	6763 Nov 21 01:42	0° \mathcal{A} 56'38	-2°53'02
direct	6762 Dec 16 20:37	11° \mathcal{A} 24'31		minimum elong	6763 Nov 21 06:58	0° \mathcal{A} 43'45	2°51'04
morning max el	6762 Dec 23 07:25	14° \mathcal{A} 48'50	17°58'04		6763 Nov 22 01:02	30° \mathcal{R} Π	
	6763 Jan 03 03:06	0° \mathcal{B}		morning rise	6763 Nov 28 00:18	25° Π 44'11	
morning set	6763 Jan 09 20:17	11° \mathcal{B} 08'42		asc. node	6763 Nov 29 23:46	25° Π 18'40	
desc. node	6763 Jan 17 13:54	23° \mathcal{B} 55'35		direct	6763 Nov 30 09:01	25° Π 17'57	
	6763 Jan 21 07:51	0° \approx		morning max el	6763 Dec 07 00:33	28° Π 43'20	17°48'36
					6763 Dec 08 05:30	0° \mathcal{A}	
superior conj	6763 Jan 23 17:11	3° \approx 49'47	-0°42'35	morning set	6763 Dec 23 05:01	23° \mathcal{A} 40'33	
minimum elong	6763 Jan 23 12:07	3° \approx 29'32	0°41'51		6763 Dec 26 19:57	0° \mathcal{B}	
max. Earth dist.	6763 Jan 27 21:15	10° \approx 26'33	1.45092 AU				
evening rise	6763 Feb 08 21:15	29° \approx 06'35		superior conj	6764 Jan 04 02:40	14° \mathcal{B} 05'07	0°02'29
	6763 Feb 09 11:08	0° \mathcal{H}		minimum elong	6764 Jan 04 02:55	14° \mathcal{B} 06'10	0°02'31
greatest brilliancy	6763 Feb 23 05:25	20° \mathcal{H} 50'52	-0.6m	behind sun begin	6764 Jan 03 17:42	13° \mathcal{B} 27'48	
	6763 Mar 01 17:03	0° \mathcal{Y}		behind sun end	6764 Jan 04 12:08	14° \mathcal{B} 44'26	
evening max el	6763 Mar 07 01:42	6° \mathcal{Y} 24'07	19°55'54	desc. node	6764 Jan 04 10:55	14° \mathcal{B} 39'25	
asc. node	6763 Mar 11 01:56	9° \mathcal{Y} 41'45		max. Earth dist.	6764 Jan 10 14:35	24° \mathcal{B} 41'23	1.44044 AU
retrograde	6763 Mar 14 15:24	10° \mathcal{Y} 47'19			6764 Jan 13 22:42	0° \approx	
evening set	6763 Mar 18 09:14	9° \mathcal{Y} 25'30		evening rise	6764 Jan 19 08:01	8° \approx 24'21	
inferior conj	6763 Mar 23 18:19	3° \mathcal{Y} 24'43	3°13'24		6764 Feb 02 17:30	0° \mathcal{H}	
minimum elong	6763 Mar 23 16:40	3° \mathcal{Y} 30'14	3°13'09	evening max el	6764 Feb 18 01:20	20° \mathcal{H} 00'31	21°01'54
min. Earth dist.	6763 Mar 24 17:18	2° \mathcal{Y} 07'34	0.67259 AU	asc. node	6764 Feb 25 22:59	25° \mathcal{H} 00'22	
	6763 Mar 26 08:45	30° \mathcal{R} \mathcal{H}		retrograde	6764 Feb 26 13:48	25° \mathcal{H} 02'22	
morning rise	6763 Mar 28 23:53	27° \mathcal{H} 08'52		evening set	6764 Mar 01 17:02	23° \mathcal{H} 25'42	
direct	6763 Apr 03 21:28	24° \mathcal{H} 30'45		inferior conj	6764 Mar 07 00:45	17° \mathcal{H} 12'59	2°49'49
	6763 Apr 14 02:33	0° \mathcal{Y}		minimum elong	6764 Mar 06 22:33	17° \mathcal{H} 20'36	2°49'19
desc. node	6763 Apr 15 13:19	1° \mathcal{Y} 24'01		min. Earth dist.	6764 Mar 07 10:29	16° \mathcal{H} 39'20	0.67964 AU
morning max el	6763 Apr 15 18:37	1° \mathcal{Y} 37'23	25°07'36	morning rise	6764 Mar 12 03:53	10° \mathcal{H} 59'10	
	6763 May 07 05:27	0° \mathcal{B}		direct	6764 Mar 17 11:41	8° \mathcal{H} 38'13	
morning set	6763 May 21 21:10	24° \mathcal{B} 20'10		morning max el	6764 Mar 28 03:40	14° \mathcal{H} 59'47	23°39'17
	6763 May 24 23:52	0° Π		desc. node	6764 Apr 01 10:19	19° \mathcal{H} 42'57	
max. Earth dist.	6763 May 25 12:36	0° Π 59'01	1.36650 AU		6764 Apr 09 09:46	0° \mathcal{Y}	
					6764 Apr 29 04:09	0° \mathcal{B}	
superior conj	6763 May 31 19:59	13° Π 04'47	-0°59'38	morning set	6764 May 02 10:39	5° \mathcal{B} 28'50	
minimum elong	6763 May 31 23:29	13° Π 21'59	0°59'04	max. Earth dist.	6764 May 06 08:28	12° \mathcal{B} 14'31	1.38810 AU
asc. node	6763 Jun 07 01:07	25° Π 33'26					
evening rise	6763 Jun 09 02:58	29° Π 45'40		superior conj	6764 May 13 19:11	25° \mathcal{B} 47'32	-1°29'13
	6763 Jun 09 05:49	0° \mathcal{B}		minimum elong	6764 May 14 00:14	26° \mathcal{B} 11'17	1°28'34
evening max el	6763 Jun 26 07:36	27° \mathcal{B} 48'43	19°38'13		6764 May 16 00:30	0° Π	
	6763 Jun 28 20:46	0° Ω		evening rise	6764 May 22 23:59	13° Π 31'37	
retrograde	6763 Jul 06 02:53	2° Ω 37'51		asc. node	6764 May 23 22:11	15° Π 19'25	
evening set	6763 Jul 07 23:55	2° Ω 28'01			6764 May 31 22:25	0° \mathcal{B}	
desc. node	6763 Jul 12 12:35	0° Ω 53'20		evening max el	6764 Jun 08 06:32	9° \mathcal{B} 51'28	18°47'17
	6763 Jul 14 04:12	30° \mathcal{R} \mathcal{B}		retrograde	6764 Jun 16 12:52	13° \mathcal{B} 56'03	
inferior conj	6763 Jul 16 19:14	28° \mathcal{B} 24'12	-1°17'45	evening set	6764 Jun 18 14:09	13° \mathcal{B} 41'53	
minimum elong	6763 Jul 16 15:41	28° \mathcal{B} 29'47	1°16'27	inferior conj	6764 Jun 26 14:21	9° \mathcal{B} 21'33	0°31'56
min. Earth dist.	6763 Jul 19 02:44	26° \mathcal{B} 57'13	0.55493 AU	minimum elong	6764 Jun 26 15:35	9° \mathcal{B} 19'19	0°31'26
morning rise	6763 Jul 25 05:08	23° \mathcal{B} 54'38		desc. node	6764 Jun 28 09:37	8° \mathcal{B} 02'11	
direct	6763 Jul 29 20:04	23° \mathcal{B} 07'06		min. Earth dist.	6764 Jun 29 19:14	7° \mathcal{B} 02'04	0.57041 AU
	6763 Aug 12 16:59	0° Ω		morning rise	6764 Jul 04 13:33	4° \mathcal{B} 14'58	
morning max el	6763 Aug 12 19:01	0° Ω 04'47	24°45'55	direct	6764 Jul 10 01:56	3° \mathcal{B} 00'48	
	6763 Sep 02 05:08	0° Π		morning max el	6764 Jul 24 10:06	10° \mathcal{B} 30'06	26°18'24
asc. node	6763 Sep 03 00:25	1° Π 34'28			6764 Aug 08 08:37	0° Ω	
morning set	6763 Sep 07 14:16	10° Π 58'50		asc. node	6764 Aug 19 21:28	21° Ω 15'26	
				morning set	6764 Aug 22 01:01	25° Ω 44'46	

	6764 Aug 24 00:37	0°♎		superior conj	6765 Aug 13 11:05	25°♎43'04	1°04'18
				minimum elong	6765 Aug 13 08:52	25°♎30'43	1°03'53
superior conj	6764 Aug 28 23:18	10°♎52'17	1°21'32	max. Earth dist.	6765 Aug 12 23:39	24°♎39'43	1.31782 AU
minimum elong	6764 Aug 28 21:06	10°♎40'09	1°21'14		6765 Aug 15 09:30	0°♎	
max. Earth dist.	6764 Aug 29 12:57	12°♎07'46	1.31982 AU	evening rise	6765 Aug 20 05:48	10°♎33'03	
evening rise	6764 Sep 04 21:24	25°♎52'49			6765 Aug 30 03:35	0°♎	
	6764 Sep 06 21:11	0°♎		desc. node	6765 Sep 11 05:47	18°♎29'52	
desc. node	6764 Sep 24 08:45	0°♎23'48		evening max el	6765 Sep 18 00:48	26°♎04'38	26°14'01
	6764 Sep 24 02:06	0°♎			6765 Sep 22 20:49	0°♎	
evening max el	6764 Oct 06 01:17	14°♎24'46	27°07'42	retrograde	6765 Oct 01 23:28	3°♎10'48	
retrograde	6764 Oct 19 22:23	21°♎36'31		evening set	6765 Oct 08 12:00	1°♎27'36	
evening set	6764 Oct 26 23:32	19°♎23'37			6765 Oct 10 23:22	30°♎♎	
min. Earth dist.	6764 Oct 30 15:56	16°♎40'52	0.61094 AU	min. Earth dist.	6765 Oct 12 14:01	28°♎52'57	0.59014 AU
inferior conj	6764 Nov 02 18:39	13°♎59'29	-3°57'57	inferior conj	6765 Oct 15 18:56	26°♎28'18	-4°52'59
minimum elong	6764 Nov 03 01:21	13°♎44'59	3°55'57	minimum elong	6765 Oct 16 01:06	26°♎16'40	4°51'48
morning rise	6764 Nov 10 05:20	9°♎06'51		morning rise	6765 Oct 23 16:26	21°♎57'56	
direct	6764 Nov 12 11:31	8°♎46'08		direct	6765 Oct 26 00:03	21°♎39'36	
asc. node	6764 Nov 15 20:48	9°♎34'46		asc. node	6765 Nov 02 17:49	25°♎17'39	
morning max el	6764 Nov 19 15:22	12°♎21'13	17°57'34	morning max el	6765 Nov 03 00:22	25°♎33'11	18°26'29
	6764 Dec 01 11:02	0°♎			6765 Nov 06 19:43	0°♎	
morning set	6764 Dec 05 08:04	7°♎04'17		morning set	6765 Nov 19 00:02	21°♎04'35	
					6765 Nov 23 15:41	0°♎	
superior conj	6764 Dec 15 14:08	25°♎35'27	0°40'57	superior conj	6765 Nov 28 00:19	8°♎11'24	1°09'51
minimum elong	6764 Dec 15 17:18	25°♎49'14	0°40'34	minimum elong	6765 Nov 28 03:56	8°♎28'04	1°09'27
	6764 Dec 18 03:10	0°♎		max. Earth dist.	6765 Dec 05 11:36	21°♎32'30	1.40433 AU
desc. node	6764 Dec 21 07:54	5°♎25'27		desc. node	6765 Dec 08 04:55	26°♎10'46	
max. Earth dist.	6764 Dec 23 03:22	8°♎26'17	1.42428 AU	evening rise	6765 Dec 09 20:36	28°♎56'26	
evening rise	6764 Dec 29 04:18	18°♎12'33			6765 Dec 10 12:00	0°♎	
	6765 Jan 05 19:14	0°♎			6765 Dec 30 07:47	0°♎	
	6765 Jan 27 11:55	0°♎		evening max el	6766 Jan 13 10:47	17°♎20'20	23°37'25
evening max el	6765 Jan 30 19:50	3°♎38'27	22°17'32	retrograde	6766 Jan 24 04:27	23°♎40'22	
retrograde	6765 Feb 09 10:37	9°♎21'07		evening set	6766 Jan 29 06:45	21°♎33'30	
asc. node	6765 Feb 11 20:02	8°♎51'30		asc. node	6766 Jan 29 17:03	21°♎10'49	
evening set	6765 Feb 14 00:42	7°♎29'16		min. Earth dist.	6766 Feb 03 03:18	15°♎54'07	0.68164 AU
inferior conj	6765 Feb 19 08:57	1°♎07'48	2°16'58	inferior conj	6766 Feb 03 17:04	15°♎07'02	1°35'56
minimum elong	6765 Feb 19 06:38	1°♎15'51	2°16'18	minimum elong	6766 Feb 03 15:07	15°♎13'44	1°35'17
min. Earth dist.	6765 Feb 19 06:35	1°♎16'04	0.68259 AU	morning rise	6766 Feb 08 23:26	9°♎02'00	
	6765 Feb 20 04:31	30°♎♎		direct	6766 Feb 13 03:06	7°♎25'08	
morning rise	6765 Feb 24 12:25	24°♎57'35		morning max el	6766 Feb 21 08:20	12°♎08'01	20°49'29
direct	6765 Mar 01 05:56	22°♎58'01		desc. node	6766 Mar 06 04:16	28°♎26'20	
morning max el	6765 Mar 10 15:00	28°♎28'27	22°10'34		6766 Mar 07 06:25	0°♎	
	6765 Mar 12 02:03	0°♎		morning set	6766 Mar 23 04:24	23°♎57'06	
desc. node	6765 Mar 19 07:17	8°♎47'49			6766 Mar 27 00:39	0°♎	
	6765 Apr 03 02:16	0°♎		max. Earth dist.	6766 Mar 31 10:13	7°♎03'34	1.42991 AU
morning set	6765 Apr 12 20:45	15°♎18'54		superior conj	6766 Apr 07 07:20	18°♎26'26	-2°08'47
max. Earth dist.	6765 Apr 18 05:47	24°♎10'44	1.41019 AU	minimum elong	6766 Apr 07 09:50	18°♎36'59	2°08'45
	6765 Apr 21 15:54	0°♎			6766 Apr 14 00:42	0°♎	
superior conj	6765 Apr 26 00:31	7°♎38'07	-1°53'56	evening rise	6766 Apr 19 05:06	9°♎09'33	
minimum elong	6765 Apr 26 05:47	8°♎01'30	1°53'33	asc. node	6766 Apr 27 16:14	23°♎55'44	
evening rise	6765 May 06 10:05	26°♎42'40			6766 May 01 13:40	0°♎	
	6765 May 08 04:27	0°♎		evening max el	6766 May 06 01:35	5°♎32'10	18°06'00
asc. node	6765 May 10 19:12	4°♎48'46		retrograde	6766 May 12 15:00	8°♎54'19	
evening max el	6765 May 22 13:46	22°♎29'13	18°16'49	evening set	6766 May 15 06:49	8°♎20'54	
retrograde	6765 May 29 17:44	26°♎04'24		inferior conj	6766 May 21 19:20	3°♎19'47	2°49'19
evening set	6765 Jun 01 02:21	25°♎41'55		minimum elong	6766 May 21 22:12	3°♎12'42	2°48'40
inferior conj	6765 Jun 08 07:06	21°♎01'13	1°55'16	min. Earth dist.	6766 May 24 22:23	0°♎15'58	0.61337 AU
minimum elong	6765 Jun 08 10:17	20°♎54'25	1°54'16		6766 May 25 05:15	30°♎♎	
min. Earth dist.	6765 Jun 11 17:05	18°♎07'26	0.59107 AU	morning rise	6766 May 28 11:30	27°♎21'10	
desc. node	6765 Jun 15 06:39	15°♎35'42		desc. node	6766 Jun 02 03:39	25°♎16'04	
morning rise	6765 Jun 15 15:08	15°♎23'30		direct	6766 Jun 04 04:32	25°♎03'37	
direct	6765 Jun 21 21:42	13°♎36'30			6766 Jun 15 02:01	0°♎	
morning max el	6765 Jul 06 06:47	21°♎25'16	27°23'48	morning max el	6766 Jun 18 09:57	3°♎02'35	27°53'08
	6765 Jul 13 18:14	0°♎			6766 Jul 08 06:37	0°♎	
	6765 Aug 01 06:14	0°♎		morning set	6766 Jul 21 12:38	24°♎40'16	
morning set	6765 Aug 06 09:07	10°♎20'31			6766 Jul 24 01:52	0°♎	
asc. node	6765 Aug 06 18:29	11°♎09'47					

asc. node	6766 Jul 24 15:29	1°♎12'23		max. Earth dist.	6767 Jul 10 12:26	19°♏11'10	1.32718 AU
max. Earth dist.	6766 Jul 27 08:48	7°♎04'53	1.32025 AU	asc. node	6767 Jul 11 12:30	21°♏18'58	
superior conj	6766 Jul 28 21:34	10°♎26'04	0°42'42	superior conj	6767 Jul 13 04:54	24°♏55'42	0°17'16
minimum elong	6766 Jul 28 19:47	10°♎16'19	0°42'17	minimum elong	6767 Jul 13 04:04	24°♏51'15	0°17'02
evening rise	6766 Aug 04 16:51	25°♎18'05			6767 Jul 15 13:05	0°♎	
	6766 Aug 06 22:20	0°♎		evening rise	6767 Jul 20 04:36	10°♎01'50	
	6766 Aug 24 13:00	0°♎			6767 Jul 30 10:34	0°♎	
desc. node	6766 Aug 29 02:50	5°♎20'58		evening max el	6767 Aug 12 04:23	17°♎15'22	23°14'52
evening max el	6766 Aug 30 16:35	6°♎55'33	24°52'00	desc. node	6767 Aug 15 23:53	20°♎28'48	
retrograde	6766 Sep 13 13:26	13°♎55'00		retrograde	6767 Aug 25 15:15	23°♎59'29	
evening set	6766 Sep 19 00:19	12°♎48'02		evening set	6767 Aug 29 14:16	23°♎25'09	
min. Earth dist.	6766 Sep 24 03:51	10°♎03'18	0.57064 AU	min. Earth dist.	6767 Sep 05 13:30	20°♎12'52	0.55549 AU
inferior conj	6766 Sep 26 23:29	8°♎12'50	-5°24'38	inferior conj	6767 Sep 07 08:16	19°♎10'23	-5°15'11
minimum elong	6766 Sep 27 01:33	8°♎09'27	5°24'32	minimum elong	6767 Sep 07 03:22	19°♎17'33	5°14'39
morning rise	6766 Oct 05 05:02	4°♎05'03		morning rise	6767 Sep 15 18:46	15°♎19'02	
direct	6766 Oct 07 18:31	3°♎46'28		direct	6767 Sep 18 17:36	14°♎58'09	
morning max el	6766 Oct 17 00:01	8°♎08'18	19°17'00	morning max el	6767 Sep 29 11:43	19°♎58'54	20°29'39
asc. node	6766 Oct 20 14:49	12°♎11'56		asc. node	6767 Oct 07 11:51	0°♎02'56	
	6766 Oct 31 06:04	0°♎			6767 Oct 07 11:05	0°♎	
morning set	6766 Nov 03 00:45	5°♎28'36		morning set	6767 Oct 18 07:13	20°♎07'56	
					6767 Oct 23 01:47	0°♎	
superior conj	6766 Nov 11 03:51	21°♎37'09	1°29'03	superior conj	6767 Oct 25 19:59	5°♎39'11	1°39'30
minimum elong	6766 Nov 11 06:33	21°♎50'16	1°28'51	minimum elong	6767 Oct 25 21:16	5°♎45'45	1°39'29
	6766 Nov 15 13:27	0°♎		max. Earth dist.	6767 Oct 31 00:25	15°♎56'09	1.36257 AU
max. Earth dist.	6766 Nov 17 17:14	3°♎58'23	1.38292 AU	evening rise	6767 Nov 03 21:59	23°♎17'06	
evening rise	6766 Nov 21 11:15	10°♎39'47			6767 Nov 07 15:37	0°♎	
desc. node	6766 Nov 25 01:57	16°♎50'54		desc. node	6767 Nov 11 23:00	7°♎21'28	
	6766 Dec 03 06:29	0°♎			6767 Nov 26 23:36	0°♎	
	6766 Dec 25 22:02	0°♎		evening max el	6767 Dec 09 12:43	14°♎50'09	26°03'56
evening max el	6766 Dec 26 23:57	1°♎05'19	24°55'13	retrograde	6767 Dec 22 03:16	21°♎59'52	
retrograde	6767 Jan 07 18:14	7°♎55'12		evening set	6767 Dec 28 07:39	19°♎28'03	
evening set	6767 Jan 13 09:38	5°♎34'24		min. Earth dist.	6768 Jan 01 13:26	14°♎57'50	0.66838 AU
asc. node	6767 Jan 16 14:05	2°♎12'12		inferior conj	6768 Jan 03 01:44	13°♎05'03	-0°07'55
min. Earth dist.	6767 Jan 17 22:19	0°♎29'25	0.67688 AU	minimum elong	6768 Jan 03 01:57	13°♎04'24	0°07'47
	6767 Jan 18 07:17	30°♎		transit middle	6768 Jan 03 01:57	13°♎04'24	0°07'47
inferior conj	6767 Jan 18 23:17	29°♎07'14	0°47'25	transit begin	6768 Jan 02 23:27	13°♎12'11	
minimum elong	6767 Jan 18 22:10	29°♎10'56	0°47'01	transit end	6768 Jan 03 04:27	12°♎56'39	
morning rise	6767 Jan 24 10:55	23°♎09'16		asc. node	6768 Jan 03 11:07	12°♎35'58	
direct	6767 Jan 28 01:49	21°♎53'54		morning rise	6768 Jan 08 20:51	7°♎16'12	
morning max el	6767 Feb 04 09:42	25°♎59'58	19°41'07	direct	6768 Jan 12 00:31	6°♎19'32	
	6767 Feb 07 23:19	0°♎		morning max el	6768 Jan 18 18:34	10°♎01'04	18°48'03
greatest brilliancy	6767 Feb 17 06:37	12°♎51'12	-0.7m		6768 Feb 02 06:30	0°♎	
desc. node	6767 Feb 21 01:16	18°♎29'11		desc. node	6768 Feb 07 22:17	8°♎49'39	
	6767 Feb 28 14:42	0°♎		morning set	6768 Feb 09 11:44	11°♎16'18	
morning set	6767 Mar 02 01:09	2°♎12'33			6768 Feb 21 10:52	0°♎	
max. Earth dist.	6767 Mar 13 22:18	20°♎45'58	1.44468 AU	max. Earth dist.	6768 Feb 24 15:19	4°♎59'24	1.45288 AU
superior conj	6767 Mar 18 12:57	28°♎08'22	-2°07'48	superior conj	6768 Feb 25 22:10	7°♎00'28	-1°46'53
minimum elong	6767 Mar 18 09:15	27°♎53'30	2°07'40	minimum elong	6768 Feb 25 13:03	6°♎24'41	1°46'07
	6767 Mar 19 16:35	0°♎			6768 Mar 11 09:19	0°♎	
evening rise	6767 Apr 01 04:35	20°♎43'34		evening rise	6768 Mar 12 05:07	1°♎19'43	
	6767 Apr 06 16:19	0°♎		greatest brilliancy	6768 Mar 18 15:48	11°♎43'41	-0.9m
asc. node	6767 Apr 14 13:15	12°♎33'07			6768 Mar 30 23:45	0°♎	
evening max el	6767 Apr 19 14:41	18°♎51'40	18°14'09	asc. node	6768 Mar 31 10:18	0°♎31'22	
retrograde	6767 Apr 26 00:08	22°♎15'35		evening max el	6768 Apr 02 02:16	2°♎20'38	18°40'31
evening set	6767 Apr 28 22:39	21°♎29'46		retrograde	6768 Apr 08 16:49	5°♎59'12	
inferior conj	6767 May 04 23:02	16°♎09'44	3°18'23	evening set	6768 Apr 11 22:10	5°♎00'04	
minimum elong	6767 May 05 00:35	16°♎05'25	3°18'10		6768 Apr 17 02:00	30°♎	
min. Earth dist.	6767 May 07 12:51	13°♎18'38	0.63443 AU	inferior conj	6768 Apr 17 14:13	29°♎22'52	3°27'53
morning rise	6767 May 11 01:20	9°♎59'25		minimum elong	6768 Apr 17 14:18	29°♎22'37	3°27'51
direct	6767 May 17 20:30	7°♎20'22		min. Earth dist.	6768 Apr 19 12:42	27°♎01'14	0.65248 AU
desc. node	6767 May 20 00:40	7°♎35'03		morning rise	6768 Apr 23 05:48	23°♎07'26	
morning max el	6767 May 31 18:07	15°♎21'29	27°44'40		6768 Apr 29 20:15	20°♎19'10	
	6767 Jun 12 17:02	0°♎		direct	6768 May 05 21:41	22°♎13'43	
	6767 Jun 30 22:38	0°♎		desc. node	6768 May 13 04:23	28°♎11'12	27°02'25
morning set	6767 Jul 05 09:23	8°♎37'34		morning max el			

	6768 May 14 21:56	0°♄		min. Earth dist.	6769 Apr 02 20:47	11°♑11'21	0.66653 AU
	6768 Jun 05 11:25	0°♄		morning rise	6769 Apr 06 21:45	6°♑37'08	
morning set	6768 Jun 17 20:22	22°♄02'57		direct	6769 Apr 13 02:32	3°♑52'06	
	6768 Jun 21 21:09	0°♄		desc. node	6769 Apr 22 18:42	8°♑40'07	
max. Earth dist.	6768 Jun 22 06:37	0°♄47'55	1.33882 AU	morning max el	6769 Apr 25 14:16	11°♑19'51	25°54'22
					6769 May 10 11:36	0°♄	
superior conj	6768 Jun 26 06:56	9°♄04'51	-0°11'20		6769 May 29 02:40	0°♄	
minimum elong	6768 Jun 26 07:33	9°♄08'02	0°11'15	morning set	6769 May 31 17:44	4°♄46'10	
behind sun begin	6768 Jun 26 03:30	8°♄46'48		max. Earth dist.	6769 Jun 04 13:27	11°♄57'25	1.35522 AU
behind sun end	6768 Jun 26 11:36	9°♄29'17					
asc. node	6768 Jun 27 09:32	11°♄24'44		superior conj	6769 Jun 10 01:13	22°♄47'21	-0°41'51
evening rise	6768 Jul 03 15:07	24°♄37'17		minimum elong	6769 Jun 10 03:37	22°♄59'30	0°41'26
	6768 Jul 06 05:29	0°♄			6769 Jun 13 13:52	0°♄	
evening max el	6768 Jul 23 20:37	27°♄37'39	21°39'05	asc. node	6769 Jun 14 06:35	1°♄26'10	
	6768 Jul 26 13:23	0°♄		evening rise	6769 Jun 17 22:23	8°♄59'00	
desc. node	6768 Aug 01 20:56	3°♄19'24			6769 Jun 29 06:42	0°♄	
retrograde	6768 Aug 05 06:37	3°♄46'59		evening max el	6769 Jul 06 00:23	8°♄32'47	20°16'53
evening set	6768 Aug 07 20:52	3°♄31'44		retrograde	6769 Jul 16 19:29	13°♄51'12	
	6768 Aug 16 07:01	30°♄♄		evening set	6769 Jul 18 18:06	13°♄41'38	
inferior conj	6768 Aug 17 03:19	29°♄31'37	-4°12'24	desc. node	6769 Jul 19 17:58	13°♄29'41	
minimum elong	6768 Aug 16 18:08	29°♄44'29	4°10'02	inferior conj	6769 Jul 27 21:35	9°♄43'51	-2°26'13
min. Earth dist.	6768 Aug 16 22:54	29°♄37'48	0.54779 AU	minimum elong	6769 Jul 27 14:51	9°♄53'45	2°23'50
morning rise	6768 Aug 25 16:33	25°♄40'39		min. Earth dist.	6769 Jul 29 09:59	8°♄50'23	0.54960 AU
direct	6768 Aug 29 03:35	25°♄14'34		morning rise	6769 Aug 05 10:24	5°♄33'00	
	6768 Sep 09 06:57	0°♄		direct	6769 Aug 09 14:08	4°♄55'37	
morning max el	6768 Sep 10 11:16	1°♄02'52	22°02'02	morning max el	6769 Aug 23 02:13	11°♄30'40	23°46'08
asc. node	6768 Sep 23 08:53	18°♄37'11			6769 Sep 05 23:22	0°♄	
	6768 Sep 29 07:53	0°♄		asc. node	6769 Sep 10 05:55	7°♄43'52	
morning set	6768 Oct 01 17:11	4°♄56'00		morning set	6769 Sep 16 04:45	19°♄47'12	
					6769 Sep 20 22:24	0°♄	
superior conj	6768 Oct 08 20:53	20°♄06'11	1°42'22				
minimum elong	6768 Oct 08 20:48	20°♄05'40	1°42'25	superior conj	6769 Sep 23 03:37	4°♄48'46	1°38'43
max. Earth dist.	6768 Oct 12 14:08	27°♄49'05	1.34520 AU	minimum elong	6769 Sep 23 02:24	4°♄42'09	1°38'40
	6768 Oct 13 16:00	0°♄		max. Earth dist.	6769 Sep 25 12:38	9°♄54'56	1.33189 AU
evening rise	6768 Oct 17 00:50	6°♄38'36		evening rise	6769 Sep 30 15:53	20°♄33'36	
desc. node	6768 Oct 28 20:03	27°♄37'21			6769 Oct 05 12:44	0°♄	
	6768 Oct 30 07:28	0°♄		desc. node	6769 Oct 15 17:06	17°♄31'25	
evening max el	6768 Nov 21 01:41	28°♄28'55	26°56'13		6769 Oct 24 07:03	0°♄	
	6768 Nov 22 17:14	0°♄		evening max el	6769 Nov 03 13:59	11°♄50'46	27°24'51
retrograde	6768 Dec 04 06:54	5°♄47'32		retrograde	6769 Nov 17 04:14	19°♄09'14	
evening set	6768 Dec 10 22:51	3°♄09'51		evening set	6769 Nov 24 04:38	16°♄33'18	
	6768 Dec 14 06:00	30°♄♄		min. Earth dist.	6769 Nov 27 23:06	13°♄10'49	0.64091 AU
min. Earth dist.	6768 Dec 14 22:26	29°♄14'21	0.65631 AU	inferior conj	6769 Nov 30 10:38	10°♄35'24	-2°14'34
inferior conj	6768 Dec 16 22:21	26°♄56'31	-1°09'07	minimum elong	6769 Nov 30 14:42	10°♄24'44	2°12'54
minimum elong	6768 Dec 17 00:21	26°♄50'46	1°08'13	morning rise	6769 Dec 07 02:18	5°♄12'38	
asc. node	6768 Dec 20 08:11	23°♄19'04		asc. node	6769 Dec 07 05:15	5°♄09'42	
morning rise	6768 Dec 23 02:56	21°♄19'14		direct	6769 Dec 09 13:48	4°♄41'45	
direct	6768 Dec 25 21:21	20°♄37'26		morning max el	6769 Dec 16 01:49	8°♄05'47	17°51'46
morning max el	6769 Jan 01 08:53	24°♄05'34	18°11'24		6769 Dec 30 18:12	0°♄	
	6769 Jan 06 05:37	0°♄		morning set	6770 Jan 01 22:09	3°♄41'06	
morning set	6769 Jan 20 02:51	21°♄47'23		desc. node	6770 Jan 11 16:18	20°♄03'36	
desc. node	6769 Jan 24 19:18	29°♄22'41					
	6769 Jan 25 04:33	0°♄		superior conj	6770 Jan 14 22:23	25°♄22'27	-0°23'03
				minimum elong	6770 Jan 14 19:46	25°♄11'47	0°22'36
superior conj	6769 Feb 04 02:57	15°♄48'29	-1°08'43		6770 Jan 17 19:18	0°♄	
minimum elong	6769 Feb 03 18:53	15°♄16'44	1°07'41	max. Earth dist.	6770 Jan 20 05:27	3°♄51'36	1.44730 AU
max. Earth dist.	6769 Feb 06 10:32	19°♄26'50	1.45373 AU	evening rise	6770 Jan 30 19:44	20°♄22'23	
	6769 Feb 13 04:38	0°♄			6770 Feb 06 03:21	0°♄	
evening rise	6769 Feb 20 07:26	11°♄04'55		evening max el	6770 Feb 27 13:14	29°♄31'28	20°22'34
greatest brilliancy	6769 Mar 04 10:02	29°♄47'11	-0.7m		6770 Feb 28 00:38	0°♄	
	6769 Mar 04 13:26	0°♄		asc. node	6770 Mar 05 04:27	3°♄42'10	
evening max el	6769 Mar 16 10:18	15°♄55'11	19°23'58	retrograde	6770 Mar 07 11:58	4°♄10'05	
asc. node	6769 Mar 18 07:23	17°♄39'22		evening set	6770 Mar 11 09:39	2°♄42'05	
retrograde	6769 Mar 23 13:38	19°♄59'22			6770 Mar 14 03:16	30°♄♄	
evening set	6769 Mar 27 02:35	18°♄46'09		inferior conj	6770 Mar 16 17:55	26°♄36'09	3°04'33
inferior conj	6769 Apr 01 13:27	12°♄53'36	3°22'14	minimum elong	6770 Mar 16 15:59	26°♄42'45	3°04'12
minimum elong	6769 Apr 01 12:20	12°♄57'17	3°22'06	min. Earth dist.	6770 Mar 17 11:10	25°♄37'23	0.67620 AU

morning rise	6770 Mar 21 22:06	20° K 21'05		morning rise	6771 Mar 06 04:19	4° K 15'16	
direct	6770 Mar 27 14:07	17° K 49'18		direct	6771 Mar 11 06:05	2° K 03'10	
morning max el	6770 Apr 07 23:03	24° K 37'36	24°30'31	morning max el	6771 Mar 21 08:36	8° K 02'19	23°00'58
desc. node	6770 Apr 09 15:41	26° K 24'17		desc. node	6771 Mar 27 12:40	15° K 04'35	
	6770 Apr 12 19:04	0° Y			6771 Apr 07 11:42	0° Y	
	6770 May 03 22:35	0° B		morning set	6771 Apr 24 22:41	27° Y 09'08	
morning set	6770 May 13 20:27	16° B 33'12			6771 Apr 26 15:30	0° B	
max. Earth dist.	6770 May 17 11:26	23° B 01'03	1.37549 AU	max. Earth dist.	6771 Apr 29 07:32	4° B 32'56	1.39767 AU
	6770 May 21 06:05	0° II					
superior conj	6770 May 24 08:29	5° II 54'49	-1°12'32	superior conj	6771 May 07 00:39	18° B 16'49	-1°40'34
minimum elong	6770 May 24 12:43	6° II 15'19	1°11'54	minimum elong	6771 May 07 06:02	18° B 41'36	1°40'00
asc. node	6770 Jun 01 03:38	21° II 19'11			6771 May 13 06:38	0° II	
evening rise	6770 Jun 01 23:57	23° II 00'15		evening rise	6771 May 16 16:46	6° II 32'42	
	6770 Jun 05 13:33	0° E		asc. node	6771 May 19 00:40	10° II 58'51	
evening max el	6770 Jun 18 16:57	20° E 11'38	19°14'03		6771 May 30 13:35	0° E	
retrograde	6770 Jun 27 19:07	24° E 39'47		evening max el	6771 Jun 01 19:48	2° E 30'07	18°31'50
evening set	6770 Jun 29 17:27	24° E 28'33		retrograde	6771 Jun 09 13:24	6° E 20'26	
desc. node	6770 Jul 06 14:58	21° E 20'59		evening set	6771 Jun 11 17:46	6° E 03'04	
inferior conj	6770 Jul 08 05:03	20° E 18'33	-0°28'43	inferior conj	6771 Jun 19 09:22	1° E 33'50	1°11'00
minimum elong	6770 Jul 08 03:48	20° E 20'38	0°28'18	minimum elong	6771 Jun 19 11:46	1° E 29'07	1°10'07
min. Earth dist.	6770 Jul 10 23:47	18° E 27'50	0.56068 AU		6771 Jun 21 09:08	30° R II	
morning rise	6770 Jul 16 11:12	15° E 33'40		min. Earth dist.	6771 Jun 22 18:03	28° II 57'16	0.57874 AU
direct	6770 Jul 21 11:35	14° E 35'50		desc. node	6771 Jun 23 11:59	28° II 24'38	
morning max el	6770 Aug 04 15:16	21° E 47'55	25°27'49	morning rise	6771 Jun 27 02:26	26° II 12'56	
	6770 Aug 11 20:03	0° O		direct	6771 Jul 02 23:07	24° II 45'29	
asc. node	6770 Aug 28 02:56	27° O 14'43			6771 Jul 14 16:54	0° E	
	6770 Aug 29 11:23	0° M		morning max el	6771 Jul 17 08:29	2° E 23'43	26°50'27
morning set	6770 Aug 31 16:17	4° M 36'57			6771 Aug 06 04:16	0° O	
				asc. node	6771 Aug 14 23:56	17° O 02'10	
superior conj	6770 Sep 07 13:51	19° M 39'51	1°29'19	morning set	6771 Aug 16 02:06	19° O 19'20	
minimum elong	6770 Sep 07 11:53	19° M 29'03	1°29'06		6771 Aug 21 00:21	0° M	
max. Earth dist.	6770 Sep 08 18:33	22° M 17'24	1.32296 AU	superior conj	6771 Aug 23 01:33	4° M 32'10	1°14'48
	6770 Sep 12 08:03	0° L		minimum elong	6771 Aug 22 23:17	4° M 19'37	1°14'26
evening rise	6770 Sep 14 15:48	4° L 52'46		max. Earth dist.	6771 Aug 23 04:36	4° M 49'06	1.31842 AU
	6770 Sep 28 04:16	0° M		evening rise	6771 Aug 29 21:44	19° M 27'01	
desc. node	6770 Oct 02 14:09	6° M 54'37			6771 Sep 04 02:14	0° L	
evening max el	6770 Oct 16 23:23	24° M 42'28	27°23'35	desc. node	6771 Sep 19 11:11	25° L 33'30	
	6770 Oct 23 23:28	0° J			6771 Sep 22 21:01	0° M	
retrograde	6770 Oct 30 18:23	1° J 56'17		evening max el	6771 Sep 29 02:58	6° M 49'51	26°48'48
	6770 Nov 06 04:01	30° R M		retrograde	6771 Oct 13 00:33	13° M 58'53	
evening set	6770 Nov 06 21:49	29° M 31'47		evening set	6771 Oct 19 22:06	11° M 57'08	
min. Earth dist.	6770 Nov 10 13:31	26° M 37'26	0.62256 AU	min. Earth dist.	6771 Oct 23 16:57	9° M 20'13	0.60215 AU
inferior conj	6770 Nov 13 11:36	23° M 54'31	-3°21'08	inferior conj	6771 Oct 26 21:49	6° M 43'46	-4°23'07
minimum elong	6770 Nov 13 17:37	23° M 40'31	3°19'03	minimum elong	6771 Oct 27 04:38	6° M 29'50	4°21'23
morning rise	6770 Nov 20 15:21	18° M 49'48		morning rise	6771 Nov 03 13:22	2° M 00'33	
direct	6770 Nov 22 22:40	18° M 26'12		direct	6771 Nov 05 19:48	1° M 41'06	
asc. node	6770 Nov 24 02:15	18° M 32'14		asc. node	6771 Nov 10 23:15	3° M 26'36	
morning max el	6770 Nov 29 18:20	21° M 54'33	17°50'02	morning max el	6771 Nov 13 07:05	5° M 22'29	18°07'24
	6770 Dec 05 23:18	0° J			6771 Nov 28 20:30	0° J	
morning set	6770 Dec 15 15:30	16° J 38'15		morning set	6771 Nov 29 00:37	0° J 19'17	
	6770 Dec 23 04:48	0° Z					
superior conj	6770 Dec 26 19:04	6° Z 10'31	0°19'52	superior conj	6771 Dec 08 16:51	18° J 10'56	0°54'25
minimum elong	6770 Dec 26 20:54	6° Z 18'18	0°19'39	minimum elong	6771 Dec 08 20:26	18° J 26'57	0°53'58
desc. node	6770 Dec 29 13:19	10° Z 49'13			6771 Dec 15 11:40	0° Z	
max. Earth dist.	6771 Jan 02 21:33	17° Z 57'46	1.43429 AU	desc. node	6771 Dec 16 10:21	1° Z 35'40	
evening rise	6771 Jan 10 08:57	29° Z 49'59		max. Earth dist.	6771 Dec 16 08:40	1° Z 28'34	1.41614 AU
	6771 Jan 10 11:32	0° \approx		evening rise	6771 Dec 21 12:56	9° Z 59'59	
	6771 Jan 30 19:19	0° K			6772 Jan 03 12:57	0° \approx	
evening max el	6771 Feb 10 10:40	13° K 08'53	21°33'06	evening max el	6772 Jan 24 03:21	26° \approx 48'25	22°51'13
retrograde	6771 Feb 19 09:46	18° K 27'31			6772 Jan 27 16:48	0° K	
asc. node	6771 Feb 20 01:29	18° K 25'17		retrograde	6772 Feb 03 05:35	2° K 47'48	
evening set	6771 Feb 23 17:35	16° K 44'13		asc. node	6772 Feb 06 22:29	1° K 37'57	
inferior conj	6771 Mar 01 01:20	10° K 27'29	2°36'53	evening set	6772 Feb 08 00:47	0° K 49'14	
minimum elong	6771 Feb 28 23:02	10° K 35'29	2°36'18		6772 Feb 08 22:21	30° R \approx	
min. Earth dist.	6771 Mar 01 05:45	10° K 12'07	0.68151 AU	inferior conj	6772 Feb 13 09:44	24° \approx 24'58	2°00'32
				minimum elong	6772 Feb 13 07:31	24° \approx 32'39	1°59'50

min. Earth dist.	6772 Feb 13 02:21	24° \approx 50'30	0.68268 AU	direct	6773 Feb 05 23:33	0° \approx 55'35	
morning rise	6772 Feb 18 14:09	18° \approx 16'55		morning max el	6773 Feb 13 19:03	5° \approx 21'53	20°18'39
direct	6772 Feb 23 01:36	16° \approx 27'16		desc. node	6773 Feb 28 06:41	24° \approx 15'36	
morning max el	6772 Mar 02 22:20	21° \approx 36'32	21°34'48		6773 Mar 04 03:49	0° \approx	
	6772 Mar 10 02:11	0° \approx		morning set	6773 Mar 13 21:07	14° \approx 47'28	
desc. node	6772 Mar 13 09:41	4° \approx 25'33		max. Earth dist.	6773 Mar 23 15:13	0° \approx 08'46	1.43688 AU
	6772 Mar 30 18:21	0° \approx			6773 Mar 23 13:02	0° \approx	
morning set	6772 Apr 03 20:54	6° \approx 27'00					
max. Earth dist.	6772 Apr 10 07:55	16° \approx 54'55	1.41903 AU	superior conj	6773 Mar 29 17:07	10° \approx 02'26	-2°10'39
				minimum elong	6773 Mar 29 17:19	10° \approx 03'14	2°10'39
superior conj	6772 Apr 17 20:58	29° \approx 42'23	-2°01'48		6773 Apr 10 11:03	0° \approx	
minimum elong	6772 Apr 18 01:30	0° \approx 02'07	2°01'33	evening rise	6773 Apr 11 08:22	1° \approx 32'43	
	6772 Apr 18 01:01	0° \approx		asc. node	6773 Apr 21 18:43	19° \approx 15'41	
evening rise	6772 Apr 28 21:05	19° \approx 27'06		evening max el	6773 Apr 28 18:08	28° \approx 31'06	18°07'11
asc. node	6772 May 04 21:41	0° \approx 20'00			6773 Apr 30 10:32	0° \approx	
	6772 May 04 17:08	0° \approx		retrograde	6773 May 05 04:46	1° \approx 52'19	
evening max el	6772 May 15 05:22	15° \approx 19'53	18°09'48	evening set	6773 May 07 23:23	1° \approx 13'54	
retrograde	6772 May 22 01:59	18° \approx 48'01			6773 May 10 00:37	30° \approx 8	
evening set	6772 May 24 13:34	18° \approx 21'16		inferior conj	6773 May 14 06:17	26° \approx 04'51	3°04'20
inferior conj	6772 May 31 10:55	13° \approx 31'43	2°21'35	minimum elong	6773 May 14 08:39	25° \approx 08'41	3°03'53
minimum elong	6772 May 31 14:10	13° \approx 24'18	2°20'41	min. Earth dist.	6773 May 17 04:20	23° \approx 03'36	0.62264 AU
min. Earth dist.	6772 Jun 03 19:02	10° \approx 30'29	0.60048 AU	morning rise	6773 May 20 16:12	20° \approx 00'09	
morning rise	6772 Jun 07 12:03	7° \approx 43'26		direct	6773 May 27 11:11	17° \approx 31'41	
desc. node	6772 Jun 09 09:00	6° \approx 43'59		desc. node	6773 May 27 06:02	17° \approx 31'49	
direct	6772 Jun 13 23:53	5° \approx 42'47		morning max el	6773 Jun 10 13:55	25° \approx 33'27	27°53'53
morning max el	6772 Jun 28 08:20	13° \approx 37'36	27°41'00		6773 Jun 14 16:01	0° \approx	
	6772 Jul 11 10:08	0° \approx			6773 Jul 04 22:06	0° \approx	
	6772 Jul 28 11:52	0° \approx		morning set	6773 Jul 14 09:26	18° \approx 00'20	
morning set	6772 Jul 30 08:29	3° \approx 49'14		asc. node	6773 Jul 18 18:00	27° \approx 05'46	
asc. node	6772 Jul 31 20:58	7° \approx 00'51		max. Earth dist.	6773 Jul 19 22:08	29° \approx 36'43	1.32258 AU
max. Earth dist.	6772 Aug 05 15:05	17° \approx 19'31	1.31828 AU		6773 Jul 20 02:27	0° \approx	
superior conj	6772 Aug 06 12:59	19° \approx 20'17	0°55'38	superior conj	6773 Jul 21 22:22	3° \approx 58'26	0°32'19
minimum elong	6772 Aug 06 10:53	19° \approx 08'42	0°55'13	minimum elong	6773 Jul 21 20:56	3° \approx 50'37	0°31'59
	6772 Aug 11 09:11	0° \approx		evening rise	6773 Jul 28 19:02	18° \approx 54'44	
evening rise	6772 Aug 13 07:29	4° \approx 09'44			6773 Aug 03 04:30	0° \approx	
	6772 Aug 26 23:03	0° \approx		evening max el	6773 Aug 22 12:07	28° \approx 41'28	24°11'39
desc. node	6772 Sep 05 08:12	13° \approx 10'33		desc. node	6773 Aug 23 05:14	29° \approx 21'46	
evening max el	6772 Sep 09 22:46	18° \approx 06'48	25°41'53		6773 Aug 23 22:16	0° \approx	
retrograde	6772 Sep 23 21:24	25° \approx 11'24		retrograde	6773 Sep 05 06:37	5° \approx 36'29	
evening set	6772 Sep 30 00:40	23° \approx 42'58		evening set	6773 Sep 10 02:38	4° \approx 44'50	
min. Earth dist.	6772 Oct 04 11:02	21° \approx 06'24	0.58148 AU	min. Earth dist.	6773 Sep 15 22:58	1° \approx 49'59	0.56338 AU
inferior conj	6772 Oct 07 13:53	18° \approx 53'57	-5°10'17	inferior conj	6773 Sep 18 09:48	0° \approx 18'39	-5°26'46
minimum elong	6772 Oct 07 18:48	18° \approx 45'12	5°09'37	minimum elong	6773 Sep 18 09:03	0° \approx 19'50	5°26'45
morning rise	6772 Oct 15 15:16	14° \approx 33'47			6773 Sep 18 21:49	30° \approx 8	
direct	6772 Oct 18 00:43	14° \approx 15'46		morning rise	6773 Sep 26 17:45	26° \approx 18'54	
morning max el	6772 Oct 26 12:33	18° \approx 20'00	18°45'21	direct	6773 Sep 29 10:39	25° \approx 15'41	
asc. node	6772 Oct 27 20:16	19° \approx 41'28			6773 Oct 08 14:56	0° \approx	
	6772 Nov 04 01:46	0° \approx		morning max el	6773 Oct 09 07:25	0° \approx 37'28	19°45'15
morning set	6772 Nov 11 20:39	14° \approx 30'13		asc. node	6773 Oct 14 17:19	7° \approx 02'00	
	6772 Nov 19 20:17	0° \approx		morning set	6773 Oct 27 00:09	29° \approx 01'50	
					6773 Oct 27 11:39	0° \approx	
superior conj	6772 Nov 20 11:00	1° \approx 09'43	1°19'07	superior conj	6773 Nov 03 20:26	14° \approx 52'37	1°34'28
minimum elong	6772 Nov 20 14:20	1° \approx 25'26	1°18'48	minimum elong	6773 Nov 03 22:33	15° \approx 03'09	1°34'22
max. Earth dist.	6772 Nov 27 14:52	14° \approx 14'49	1.39516 AU	max. Earth dist.	6773 Nov 09 20:13	26° \approx 12'518	1.37395 AU
evening rise	6772 Dec 01 14:41	21° \approx 08'49			6773 Nov 11 18:45	0° \approx	
desc. node	6772 Dec 02 07:22	22° \approx 19'13			6773 Nov 13 14:23	3° \approx 16'57	
	6772 Dec 06 23:29	0° \approx		evening rise	6773 Nov 19 04:25	12° \approx 56'12	
	6772 Dec 27 14:50	0° \approx		desc. node	6773 Nov 30 01:03	0° \approx	
evening max el	6773 Jan 05 17:08	10° \approx 31'11	24°11'11		6773 Dec 19 06:08	24° \approx 17'34	25°26'07
retrograde	6773 Jan 16 21:58	17° \approx 05'57		evening max el	6773 Dec 26 15:56	0° \approx	
evening set	6773 Jan 22 05:42	14° \approx 52'54			6773 Dec 31 09:57	1° \approx 17'26	
asc. node	6773 Jan 23 19:31	13° \approx 21'18		retrograde	6774 Jan 04 17:24	30° \approx 8	
min. Earth dist.	6773 Jan 26 22:42	9° \approx 27'57	0.67999 AU		6774 Jan 06 06:46	28° \approx 51'48	
inferior conj	6773 Jan 27 17:17	8° \approx 25'17	1°16'17	evening set	6774 Jan 10 16:29	24° \approx 01'16	0.67365 AU
minimum elong	6773 Jan 27 15:37	8° \approx 30'55	1°15'41	min. Earth dist.	6774 Jan 10 16:33	24° \approx 01'04	
morning rise	6773 Feb 02 01:35	2° \approx 22'54		asc. node			

inferior conj	6774 Jan 11 22:10	22° ☿ 25'40	0°24'48	inferior conj	6774 Dec 26 22:25	6° ☿ 21'20	-0°33'12
minimum elong	6774 Jan 11 21:33	22° ☿ 27'40	0°24'35	minimum elong	6774 Dec 26 23:20	6° ☿ 18'35	0°32'45
morning rise	6774 Jan 17 12:41	16° ☿ 31'00		asc. node	6774 Dec 28 13:37	4° ☿ 25'48	
direct	6774 Jan 20 22:37	15° ☿ 23'55		morning rise	6775 Jan 01 21:17	0° ☿ 36'54	
morning max el	6774 Jan 27 23:42	19° ☿ 18'19	19°16'34		6775 Jan 03 08:12	30° ☿	
	6774 Feb 05 11:47	0° \approx		direct	6775 Jan 04 20:53	29° ☿ 46'51	
greatest brilliancy	6774 Feb 10 06:18	7° \approx 00'57	-0.7m		6775 Jan 06 10:04	0° ☿	
desc. node	6774 Feb 15 03:43	14° \approx 27'08		morning max el	6775 Jan 11 11:07	3° ☿ 21'10	18°30'25
morning set	6774 Feb 20 20:56	23° \approx 15'46			6775 Jan 29 22:48	0° \approx	
	6774 Feb 25 05:11	0° ☿		morning set	6775 Jan 31 18:54	2° \approx 55'08	
max. Earth dist.	6774 Mar 06 05:31	14° ☿ 06'04	1.44908 AU	desc. node	6775 Feb 02 00:43	4° \approx 53'28	
superior conj	6774 Mar 09 12:58	19° ☿ 20'31	-2°01'24	superior conj	6775 Feb 16 17:47	28° \approx 03'43	-1°32'21
minimum elong	6774 Mar 09 06:28	18° ☿ 54'39	2°01'03	minimum elong	6775 Feb 16 08:13	27° \approx 26'17	1°31'21
	6774 Mar 16 04:23	0° ☿		max. Earth dist.	6775 Feb 17 00:17	28° \approx 29'12	1.45421 AU
evening rise	6774 Mar 23 22:22	12° ☿ 42'22			6775 Feb 17 23:28	0° ☿	
	6774 Apr 03 11:30	0° ☿		evening rise	6775 Mar 04 12:57	22° ☿ 55'15	
asc. node	6774 Apr 08 15:45	7° ☿ 38'02			6775 Mar 09 00:05	0° ☿	
evening max el	6774 Apr 12 07:00	11° ☿ 56'08	18°23'10	greatest brilliancy	6775 Mar 13 18:29	7° ☿ 31'08	-0.8m
retrograde	6774 Apr 18 17:27	15° ☿ 24'22		evening max el	6775 Mar 26 17:22	25° ☿ 28'26	18°56'58
evening set	6774 Apr 21 18:54	14° ☿ 32'56		asc. node	6775 Mar 26 12:48	25° ☿ 16'46	
inferior conj	6774 Apr 27 15:20	9° ☿ 05'34	3°24'28	retrograde	6775 Apr 02 12:16	29° ☿ 16'20	
minimum elong	6774 Apr 27 16:15	9° ☿ 02'55	3°24'21	evening set	6775 Apr 05 20:50	28° ☿ 11'05	
min. Earth dist.	6774 Apr 29 22:47	6° ☿ 25'21	0.64268 AU	inferior conj	6775 Apr 11 10:19	22° ☿ 27'01	3°27'06
morning rise	6774 May 03 12:42	2° ☿ 52'41		minimum elong	6775 Apr 11 09:51	22° ☿ 28'30	3°27'03
direct	6774 May 10 06:48	0° ☿ 07'58		min. Earth dist.	6775 Apr 13 02:11	20° ☿ 21'38	0.65902 AU
desc. node	6774 May 14 03:04	0° ☿ 54'06		morning rise	6775 Apr 16 22:26	16° ☿ 11'00	
morning max el	6774 May 23 23:05	8° ☿ 06'15	27°30'13	direct	6775 Apr 23 09:16	13° ☿ 22'59	
	6774 Jun 09 21:21	0° ☿		desc. node	6775 May 01 00:06	16° ☿ 22'57	
	6774 Jun 27 04:58	0° ☿		morning max el	6775 May 06 09:24	21° ☿ 05'42	26°36'07
morning set	6774 Jun 28 02:26	1° ☿ 45'03			6775 May 14 02:21	0° ☿	
max. Earth dist.	6774 Jul 02 22:00	11° ☿ 30'27	1.33158 AU		6775 Jun 03 01:23	0° ☿	
asc. node	6774 Jul 05 15:02	17° ☿ 12'32		morning set	6775 Jun 11 08:13	14° ☿ 54'31	
superior conj	6774 Jul 06 03:46	18° ☿ 20'25	0°05'28	max. Earth dist.	6775 Jun 15 11:44	22° ☿ 56'27	1.34532 AU
minimum elong	6774 Jul 06 03:30	18° ☿ 18'57	0°05'22		6775 Jun 18 23:44	0° ☿	
behind sun begin	6774 Jul 05 22:21	17° ☿ 51'29		superior conj	6775 Jun 20 02:55	2° ☿ 19'54	-0°24'06
behind sun end	6774 Jul 06 08:39	18° ☿ 46'26		minimum elong	6775 Jun 20 04:15	2° ☿ 26'48	0°23'53
	6774 Jul 11 14:01	0° ☿		asc. node	6775 Jun 22 12:04	7° ☿ 17'22	
evening rise	6774 Jul 13 06:32	3° ☿ 35'51		evening rise	6775 Jun 27 16:00	18° ☿ 07'14	
	6774 Jul 27 16:05	0° ☿			6775 Jul 03 14:31	0° ☿	
evening max el	6774 Aug 04 00:54	8° ☿ 58'33	22°33'06	evening max el	6775 Jul 16 21:30	19° ☿ 32'29	21°01'51
desc. node	6774 Aug 10 02:17	13° ☿ 35'28		desc. node	6775 Jul 27 23:19	25° ☿ 20'07	
retrograde	6774 Aug 17 03:01	15° ☿ 29'38		retrograde	6775 Jul 28 15:47	25° ☿ 21'16	
evening set	6774 Aug 20 10:41	15° ☿ 05'27		evening set	6775 Jul 30 21:17	25° ☿ 09'32	
min. Earth dist.	6774 Aug 28 08:08	11° ☿ 37'22	0.55114 AU	inferior conj	6775 Aug 09 04:27	21° ☿ 12'04	-3°31'02
inferior conj	6774 Aug 29 11:34	10° ☿ 58'28	-4°55'11	minimum elong	6775 Aug 08 19:33	21° ☿ 24'37	3°28'18
minimum elong	6774 Aug 29 04:06	11° ☿ 09'04	4°53'52	min. Earth dist.	6775 Aug 09 17:45	20° ☿ 53'17	0.54740 AU
morning rise	6774 Sep 06 23:24	7° ☿ 09'34		morning rise	6775 Aug 17 18:10	17° ☿ 15'30	
direct	6774 Sep 10 03:20	6° ☿ 46'43		direct	6775 Aug 21 11:46	16° ☿ 45'37	
morning max el	6774 Sep 21 13:37	12° ☿ 07'15	21°06'52	morning max el	6775 Sep 03 08:48	22° ☿ 53'38	22°45'38
asc. node	6774 Oct 01 14:22	25° ☿ 12'59			6775 Sep 09 15:14	0° ☿	
	6774 Oct 04 08:24	0° ☿		asc. node	6775 Sep 18 11:25	14° ☿ 02'28	
morning set	6774 Oct 11 08:22	13° ☿ 45'43		morning set	6775 Sep 25 19:15	28° ☿ 36'08	
					6775 Sep 26 11:07	0° ☿	
superior conj	6774 Oct 18 16:41	29° ☿ 06'15	1°41'34	superior conj	6775 Oct 02 20:24	13° ☿ 40'56	1°41'34
minimum elong	6774 Oct 18 17:22	29° ☿ 09'47	1°41'36	minimum elong	6775 Oct 02 19:47	13° ☿ 37'39	1°41'34
	6774 Oct 19 03:07	0° ☿		max. Earth dist.	6775 Oct 05 23:42	20° ☿ 17'51	1.33904 AU
max. Earth dist.	6774 Oct 23 06:02	8° ☿ 19'37	1.35474 AU	evening rise	6775 Oct 10 16:59	29° ☿ 51'15	
evening rise	6774 Oct 27 08:29	16° ☿ 14'27			6775 Oct 10 18:46	0° ☿	
	6774 Nov 04 01:18	0° ☿		desc. node	6775 Oct 23 22:28	23° ☿ 28'45	
desc. node	6774 Nov 06 01:26	3° ☿ 21'18			6775 Oct 28 03:06	0° ☿	
	6774 Nov 24 12:30	0° ☿		evening max el	6775 Nov 14 08:02	21° ☿ 34'03	27°11'37
evening max el	6774 Dec 01 19:14	8° ☿ 01'34	26°28'43	retrograde	6775 Nov 27 17:20	28° ☿ 52'58	
retrograde	6774 Dec 14 16:32	15° ☿ 15'30		evening set	6775 Dec 04 13:36	26° ☿ 14'48	
evening set	6774 Dec 21 02:07	12° ☿ 40'41		min. Earth dist.	6775 Dec 08 10:48	22° ☿ 33'57	0.65021 AU
min. Earth dist.	6774 Dec 25 05:18	8° ☿ 25'13	0.66370 AU				

inferior conj	6775 Dec 10 15:46	20°♊07'35	-1°36'31	retrograde	6776 Nov 09 11:52	12°♊01'08	
minimum elong	6775 Dec 10 18:37	19°♊59'40	1°35'16	evening set	6776 Nov 16 14:28	9°♊28'22	
asc. node	6775 Dec 15 10:42	15°♊32'16		min. Earth dist.	6776 Nov 20 07:09	6°♊19'02	0.63340 AU
morning rise	6775 Dec 17 00:54	14°♊36'18		inferior conj	6776 Nov 22 23:34	3°♊38'37	-2°42'58
direct	6775 Dec 19 16:10	13°♊59'32		minimum elong	6776 Nov 23 04:32	3°♊26'14	2°41'03
morning max el	6775 Dec 26 02:54	17°♊24'27	18°00'57		6776 Nov 27 00:29	30°♋♌	
	6776 Jan 04 08:56	0°♋		morning rise	6776 Nov 29 20:22	28°♌23'27	
morning set	6776 Jan 12 22:29	14°♋02'47		asc. node	6776 Dec 01 07:44	28°♌00'14	
desc. node	6776 Jan 19 21:43	25°♋30'05		direct	6776 Dec 02 05:39	27°♌56'12	
	6776 Jan 22 16:23	0°♌			6776 Dec 07 07:45	0°♌	
				morning max el	6776 Dec 08 20:07	1°♌21'03	17°48'50
superior conj	6776 Jan 27 02:37	7°♌05'02	-0°49'34	morning set	6776 Dec 25 03:58	26°♌25'37	
minimum elong	6776 Jan 26 20:41	6°♌41'28	0°48'43		6776 Dec 27 05:21	0°♋	
max. Earth dist.	6776 Jan 30 20:00	12°♌58'19	1.45185 AU	desc. node	6777 Jan 05 18:43	16°♋13'24	
	6776 Feb 10 18:23	0°♋					
evening rise	6776 Feb 12 07:46	2°♋24'20		superior conj	6777 Jan 06 08:18	17°♋09'33	-0°04'05
greatest brilliancy	6776 Feb 26 04:21	23°♋30'06	-0.7m	minimum elong	6777 Jan 06 07:52	17°♋07'48	0°03'58
	6776 Mar 01 16:26	0°♌		behind sun begin	6777 Jan 05 22:37	16°♋29'35	
evening max el	6776 Mar 08 23:14	9°♌03'14	19°47'11	behind sun end	6777 Jan 06 17:07	17°♋45'56	
asc. node	6776 Mar 12 09:52	11°♌58'40		max. Earth dist.	6777 Jan 12 13:39	27°♋15'55	1.44240 AU
retrograde	6776 Mar 16 10:06	13°♌21'26			6777 Jan 14 06:53	0°♌	
evening set	6776 Mar 20 02:37	12°♌01'53		evening rise	6777 Jan 21 18:25	11°♌40'53	
inferior conj	6776 Mar 25 12:04	6°♌03'05	3°16'04		6777 Feb 02 22:04	0°♋	
minimum elong	6776 Mar 25 10:33	6°♌08'09	3°15'52	evening max el	6777 Feb 19 23:42	22°♋39'34	20°51'22
min. Earth dist.	6776 Mar 26 13:10	4°♌39'20	0.67111 AU	asc. node	6777 Feb 27 06:55	27°♋29'25	
morning rise	6776 Mar 30 18:14	29°♋46'55		retrograde	6777 Feb 28 08:32	27°♋35'24	
	6776 Mar 30 12:34	30°♋♌		evening set	6777 Mar 04 10:16	26°♋01'04	
direct	6776 Apr 05 17:42	27°♋06'48		inferior conj	6777 Mar 09 18:03	19°♋50'01	2°53'59
	6776 Apr 12 21:17	0°♌		minimum elong	6777 Mar 09 15:55	19°♋57'26	2°53'32
desc. node	6776 Apr 16 21:06	3°♌25'25		min. Earth dist.	6777 Mar 10 05:43	19°♋09'48	0.67888 AU
morning max el	6776 Apr 17 18:58	4°♌19'37	25°20'11	morning rise	6777 Mar 14 21:21	13°♋35'44	
	6776 May 07 10:52	0°♋		direct	6777 Mar 20 07:19	11°♋11'44	
morning set	6776 May 23 22:20	27°♋15'50		morning max el	6777 Mar 31 03:49	17°♋40'43	23°52'36
	6776 May 25 10:28	0°♌		desc. node	6777 Apr 03 18:04	21°♋35'44	
max. Earth dist.	6776 May 27 14:36	4°♌01'37	1.36346 AU		6777 Apr 10 10:39	0°♌	
					6777 Apr 30 12:24	0°♋	
superior conj	6776 Jun 02 16:54	15°♌48'23	-0°54'57	morning set	6777 May 05 15:22	8°♋34'39	
minimum elong	6776 Jun 02 20:07	16°♌04'18	0°54'27	max. Earth dist.	6777 May 09 10:29	15°♋11'44	1.38479 AU
asc. node	6776 Jun 08 09:04	27°♌15'38					
	6776 Jun 09 17:21	0°♋		superior conj	6777 May 16 18:16	28°♋37'33	-1°24'57
evening rise	6776 Jun 10 21:11	2°♋21'21		minimum elong	6777 May 16 23:08	29°♋00'38	1°24'19
	6776 Jun 27 12:51	0°♌			6777 May 17 11:38	0°♌	
evening max el	6776 Jun 28 06:41	0°♌45'27	19°47'34	evening rise	6777 May 25 19:25	16°♌11'09	
retrograde	6776 Jul 08 08:10	5°♌42'08		asc. node	6777 May 26 06:05	17°♌03'19	
evening set	6776 Jul 10 05:09	5°♌32'36			6777 Jun 02 03:28	0°♋	
desc. node	6776 Jul 13 20:22	4°♌25'08		evening max el	6777 Jun 11 04:04	12°♋42'10	18°53'35
inferior conj	6776 Jul 19 02:55	1°♌30'43	-1°35'43	retrograde	6777 Jun 19 15:11	16°♋52'15	
minimum elong	6776 Jul 18 22:30	1°♌37'32	1°34'06	evening set	6777 Jun 21 15:35	16°♋38'59	
min. Earth dist.	6776 Jul 21 05:53	0°♌12'15	0.55327 AU	inferior conj	6777 Jun 29 18:49	12°♋21'36	0°16'46
	6776 Jul 21 14:01	30°♋♌		minimum elong	6777 Jun 29 19:29	12°♋20'25	0°16'28
morning rise	6776 Jul 27 13:46	27°♋06'13		desc. node	6777 Jun 30 17:22	11°♋41'12	
direct	6776 Aug 01 01:37	26°♋21'40		min. Earth dist.	6777 Jul 02 21:40	10°♋09'00	0.56772 AU
	6776 Aug 11 00:41	0°♌		morning rise	6777 Jul 07 19:59	7°♋20'30	
morning max el	6776 Aug 14 22:19	3°♌14'02	24°30'40	direct	6777 Jul 13 05:25	6°♋10'42	
	6776 Sep 02 14:48	0°♎		morning max el	6777 Jul 27 12:37	13°♋36'03	26°06'02
asc. node	6776 Sep 04 08:26	3°♎20'05			6777 Aug 09 11:33	0°♌	
morning set	6776 Sep 09 06:59	13°♎27'12		asc. node	6777 Aug 22 05:25	22°♌58'19	
				morning set	6777 Aug 24 17:58	28°♌14'03	
superior conj	6776 Sep 16 04:53	28°♎27'54	1°35'24		6777 Aug 25 13:50	0°♎	
minimum elong	6776 Sep 16 03:17	28°♎19'15	1°35'16				
	6776 Sep 16 21:48	0°♏		superior conj	6777 Aug 31 15:58	13°♎20'12	1°23'46
max. Earth dist.	6776 Sep 18 01:30	2°♏30'06	1.32753 AU	minimum elong	6777 Aug 31 13:49	13°♎08'20	1°23'28
evening rise	6776 Sep 23 12:08	13°♏57'07		max. Earth dist.	6777 Sep 01 09:22	14°♎56'13	1.32049 AU
	6776 Oct 01 21:30	0°♌		evening rise	6777 Sep 07 14:55	28°♎23'25	
desc. node	6776 Oct 09 19:30	13°♌10'49			6777 Sep 08 09:29	0°♏	
	6776 Oct 22 06:37	0°♌			6777 Sep 25 03:29	0°♌	
evening max el	6776 Oct 26 19:08	4°♌43'38	27°28'09	desc. node	6777 Sep 26 16:33	2°♌16'44	

evening max el	6777 Oct 09 02:20	17° \mathbb{M} 17'30	27°12'58		6778 Sep 22 02:55	0° \mathbb{M}	
retrograde	6777 Oct 22 23:05	24° \mathbb{M} 29'52		retrograde	6778 Oct 05 01:26	6° \mathbb{M} 11'43	
evening set	6777 Oct 30 01:03	22° \mathbb{M} 13'44		evening set	6778 Oct 11 16:45	4° \mathbb{M} 23'30	
min. Earth dist.	6777 Nov 02 17:05	19° \mathbb{M} 28'15	0.61397 AU	min. Earth dist.	6778 Oct 15 16:30	1° \mathbb{M} 48'48	0.59326 AU
inferior conj	6777 Nov 05 18:42	16° \mathbb{M} 46'01	-3°48'32		6778 Oct 18 01:25	30° \mathbb{R} $\underline{\mathbb{A}}$	
minimum elong	6777 Nov 06 01:16	16° \mathbb{M} 31'30	3°46'30	inferior conj	6778 Oct 18 21:41	29° $\underline{\mathbb{A}}$ 20'39	-4°45'45
morning rise	6777 Nov 13 03:36	11° \mathbb{M} 50'06		minimum elong	6778 Oct 19 04:08	29° $\underline{\mathbb{A}}$ 08'14	4°44'25
direct	6777 Nov 15 09:56	11° \mathbb{M} 28'45		morning rise	6778 Oct 26 17:43	24° $\underline{\mathbb{A}}$ 46'46	
asc. node	6777 Nov 18 04:46	12° \mathbb{M} 02'19		direct	6778 Oct 29 00:55	24° $\underline{\mathbb{A}}$ 28'12	
morning max el	6777 Nov 22 11:27	15° \mathbb{M} 01'58	17°54'59	asc. node	6778 Nov 05 01:46	27° $\underline{\mathbb{A}}$ 32'53	
	6777 Dec 02 19:13	0° \mathbb{A}		morning max el	6778 Nov 05 21:32	28° $\underline{\mathbb{A}}$ 18'19	18°20'51
morning set	6777 Dec 08 04:43	9° \mathbb{A} 43'10			6778 Nov 07 12:00	0° \mathbb{M}	
				morning set	6778 Nov 21 19:04	23° \mathbb{M} 38'57	
					6778 Nov 25 02:56	0° \mathbb{A}	
superior conj	6777 Dec 18 16:03	28° \mathbb{A} 29'15	0°35'42				
minimum elong	6777 Dec 18 18:56	28° \mathbb{A} 41'48	0°35'20				
	6777 Dec 19 13:01	0° \mathbb{B}		superior conj	6778 Nov 30 23:12	10° \mathbb{A} 56'24	1°06'05
desc. node	6777 Dec 23 15:43	6° \mathbb{B} 59'31		minimum elong	6778 Dec 01 02:51	11° \mathbb{A} 13'07	1°05'40
max. Earth dist.	6777 Dec 26 03:16	11° \mathbb{B} 06'31	1.42703 AU	max. Earth dist.	6778 Dec 08 12:24	24° \mathbb{A} 19'53	1.40750 AU
evening rise	6778 Jan 01 12:31	21° \mathbb{B} 23'05		desc. node	6778 Dec 10 12:46	27° \mathbb{A} 45'10	
	6778 Jan 07 01:55	0° \approx			6778 Dec 11 21:01	0° \mathbb{B}	
	6778 Jan 28 06:37	0° \mathbb{H}		evening rise	6778 Dec 13 01:32	1° \mathbb{B} 57'54	
evening max el	6778 Feb 02 18:58	6° \mathbb{H} 17'29	22°05'49		6778 Dec 31 10:48	0° \approx	
retrograde	6778 Feb 12 05:37	11° \mathbb{H} 53'49		evening max el	6779 Jan 16 10:21	19° \approx 58'44	23°25'24
asc. node	6778 Feb 14 03:57	11° \mathbb{H} 34'26		retrograde	6779 Jan 26 23:57	26° \approx 13'20	
evening set	6778 Feb 16 18:02	10° \mathbb{H} 04'14		evening set	6779 Feb 01 00:26	24° \approx 08'33	
inferior conj	6778 Feb 22 02:06	3° \mathbb{H} 43'58	2°22'29	asc. node	6779 Feb 01 00:59	24° \approx 07'23	
minimum elong	6778 Feb 21 23:47	3° \mathbb{H} 52'04	2°21'50	inferior conj	6779 Feb 06 10:22	17° \approx 42'35	1°42'41
min. Earth dist.	6778 Feb 22 01:30	3° \mathbb{H} 46'05	0.68248 AU	minimum elong	6779 Feb 06 08:19	17° \approx 49'36	1°41'59
	6778 Feb 24 21:23	30° \mathbb{R} \approx		min. Earth dist.	6779 Feb 05 22:14	18° \approx 24'14	0.68209 AU
morning rise	6778 Feb 27 05:22	27° \approx 33'11		morning rise	6779 Feb 11 16:09	11° \approx 36'48	
direct	6778 Mar 04 01:04	25° \approx 30'12		direct	6779 Feb 15 21:51	9° \approx 56'38	
	6778 Mar 12 10:30	0° \mathbb{H}		morning max el	6779 Feb 24 06:50	14° \approx 45'49	21°00'49
morning max el	6778 Mar 13 14:29	1° \mathbb{H} 07'52	22°23'23		6779 Mar 08 09:40	0° \mathbb{H}	
desc. node	6778 Mar 21 15:04	10° \mathbb{H} 34'28		desc. node	6779 Mar 08 12:06	0° \mathbb{H} 08'34	
	6778 Apr 04 08:16	0° \mathbb{Y}		morning set	6779 Mar 26 16:46	27° \mathbb{H} 23'29	
morning set	6778 Apr 16 05:41	18° \mathbb{Y} 36'22			6779 Mar 28 08:35	0° \mathbb{Y}	
max. Earth dist.	6778 Apr 21 07:11	27° \mathbb{Y} 00'29	1.40701 AU	max. Earth dist.	6779 Apr 03 10:47	9° \mathbb{Y} 46'17	1.42725 AU
	6778 Apr 23 01:22	0° \mathbb{B}					
				superior conj	6779 Apr 10 13:00	21° \mathbb{Y} 34'32	-2°07'26
superior conj	6778 Apr 29 02:34	10° \mathbb{B} 36'34	-1°50'43	minimum elong	6779 Apr 10 16:09	21° \mathbb{Y} 47'59	2°07'20
minimum elong	6778 Apr 29 07:56	11° \mathbb{B} 00'41	1°50'15		6779 Apr 15 10:13	0° \mathbb{B}	
evening rise	6778 May 09 07:21	29° \mathbb{B} 27'49		evening rise	6779 Apr 22 04:57	12° \mathbb{B} 01'58	
	6778 May 09 14:13	0° \mathbb{I}		asc. node	6779 Apr 30 00:09	25° \mathbb{B} 46'12	
asc. node	6778 May 13 03:07	6° \mathbb{I} 35'29			6779 May 02 14:31	0° \mathbb{I}	
evening max el	6778 May 25 10:19	25° \mathbb{I} 15'21	18°20'08	evening max el	6779 May 08 21:39	8° \mathbb{I} 14'49	18°06'24
retrograde	6778 Jun 01 17:22	28° \mathbb{I} 53'51		retrograde	6779 May 15 12:35	11° \mathbb{I} 38'06	
evening set	6778 Jun 04 00:56	28° \mathbb{I} 32'45		evening set	6779 May 18 03:19	11° \mathbb{I} 06'27	
inferior conj	6778 Jun 11 08:23	23° \mathbb{I} 55'00	1°44'35	inferior conj	6779 May 24 17:58	6° \mathbb{I} 08'11	2°42'53
minimum elong	6778 Jun 11 11:27	23° \mathbb{I} 48'36	1°43'34	minimum elong	6779 May 24 20:59	6° \mathbb{I} 00'54	2°42'09
min. Earth dist.	6778 Jun 14 18:28	21° \mathbb{I} 05'00	0.58777 AU	min. Earth dist.	6779 May 27 22:31	3° \mathbb{I} 04'21	0.61001 AU
desc. node	6778 Jun 17 14:22	19° \mathbb{I} 03'13		morning rise	6779 May 31 12:25	0° \mathbb{I} 11'55	
morning rise	6778 Jun 18 18:49	18° \mathbb{I} 21'29			6779 May 31 19:46	30° \mathbb{R} \mathbb{B}	
direct	6778 Jun 24 23:06	16° \mathbb{I} 39'33		desc. node	6779 Jun 04 11:25	28° \mathbb{B} 20'22	
morning max el	6778 Jul 09 08:17	24° \mathbb{I} 25'37	27°16'19	direct	6779 Jun 07 04:19	27° \mathbb{B} 58'39	
	6778 Jul 14 10:14	0° \mathbb{B}			6779 Jun 13 23:02	0° \mathbb{I}	
	6778 Aug 02 16:22	0° \mathbb{Q}		morning max el	6779 Jun 21 10:42	5° \mathbb{I} 56'42	27°51'20
morning set	6778 Aug 09 02:34	12° \mathbb{Q} 52'00			6779 Jul 09 12:13	0° \mathbb{B}	
asc. node	6778 Aug 09 02:25	12° \mathbb{Q} 51'14		morning set	6779 Jul 24 06:55	27° \mathbb{B} 14'27	
					6779 Jul 25 14:45	0° \mathbb{Q}	
superior conj	6778 Aug 16 03:49	28° \mathbb{Q} 11'55	1°07'13	asc. node	6779 Jul 26 23:26	2° \mathbb{Q} 52'46	
minimum elong	6778 Aug 16 01:33	27° \mathbb{Q} 59'25	1°06'49	max. Earth dist.	6779 Jul 30 05:49	9° \mathbb{Q} 56'23	1.31958 AU
max. Earth dist.	6778 Aug 15 20:06	27° \mathbb{Q} 29'13	1.31785 AU				
	6778 Aug 16 23:19	0° \mathbb{M}		superior conj	6779 Jul 31 14:35	12° \mathbb{Q} 56'11	0°46'14
evening rise	6778 Aug 22 22:47	13° \mathbb{M} 02'49		minimum elong	6779 Jul 31 12:42	12° \mathbb{Q} 45'51	0°45'50
	6778 Aug 31 11:41	0° $\underline{\mathbb{A}}$		evening rise	6779 Aug 07 09:33	27° \mathbb{Q} 47'17	
desc. node	6778 Sep 13 13:35	20° $\underline{\mathbb{A}}$ 32'12			6779 Aug 08 10:32	0° \mathbb{M}	
evening max el	6778 Sep 21 03:05	29° $\underline{\mathbb{A}}$ 05'11	26°24'01		6779 Aug 25 07:55	0° $\underline{\mathbb{A}}$	

























































































































desc. node	6779 Aug 31 10:37	7° Ω 36'09		evening max el	6780 Aug 14 07:38	20° Π 24'02	23°29'40
evening max el	6779 Sep 02 19:49	10° Ω 02'18	25°05'34	desc. node	6780 Aug 17 07:39	23° Π 01'08	
retrograde	6779 Sep 16 17:09	17° Ω 03'13		retrograde	6780 Aug 27 21:02	27° Π 11'51	
evening set	6779 Sep 22 08:51	15° Ω 50'33		evening set	6780 Sep 01 01:31	26° Π 33'25	
min. Earth dist.	6779 Sep 27 07:13	13° Ω 08'37	0.57337 AU	min. Earth dist.	6780 Sep 07 17:19	23° Π 26'02	0.55729 AU
inferior conj	6779 Sep 30 05:17	11° Ω 11'55	-5°22'05	inferior conj	6780 Sep 09 16:46	22° Π 15'42	-5°20'01
minimum elong	6779 Sep 30 08:14	11° Ω 06'59	5°21'52	minimum elong	6780 Sep 09 12:56	22° Π 21'25	5°19'41
morning rise	6779 Oct 08 09:53	7° Ω 01'06		morning rise	6780 Sep 18 02:42	18° Π 22'41	
direct	6779 Oct 10 22:14	6° Ω 42'43		direct	6780 Sep 20 23:50	18° Π 02'22	
morning max el	6779 Oct 19 22:48	10° Ω 59'26	19°08'04	morning max el	6780 Oct 01 12:25	22° Π 56'54	20°17'30
asc. node	6779 Oct 22 22:48	14° Ω 17'13			6780 Oct 07 11:14	0° Ω	
	6779 Nov 01 16:06	0° Π		asc. node	6780 Oct 08 19:51	2° Ω 00'22	
morning set	6779 Nov 05 18:40	7° Π 59'44		morning set	6780 Oct 20 00:25	22° Ω 36'55	
					6780 Oct 23 14:33	0° Π	
superior conj	6779 Nov 14 00:28	24° Π 15'31	1°26'42	superior conj	6780 Oct 27 14:58	8° Π 12'45	1°38'25
minimum elong	6779 Nov 14 03:21	24° Π 29'25	1°26'29	minimum elong	6780 Oct 27 16:29	8° Π 20'23	1°38'23
	6779 Nov 17 00:51	0° Σ		max. Earth dist.	6780 Nov 02 00:30	18° Π 50'18	1.36541 AU
max. Earth dist.	6779 Nov 20 18:06	6° Σ 50'46	1.38609 AU	evening rise	6780 Nov 05 20:50	26° Π 01'55	
evening rise	6779 Nov 24 12:53	13° Σ 32'10			6780 Nov 08 01:42	0° Σ	
desc. node	6779 Nov 27 09:49	18° Σ 26'08		desc. node	6780 Nov 13 06:50	8° Σ 58'16	
	6779 Dec 04 13:19	0° Ξ			6780 Nov 27 01:15	0° Ξ	
	6779 Dec 26 11:21	0° \approx		evening max el	6780 Dec 11 12:20	17° Ξ 28'06	25°54'38
evening max el	6779 Dec 29 23:36	3° \approx 43'04	24°44'01	retrograde	6780 Dec 24 00:24	24° Ξ 35'58	
retrograde	6780 Jan 10 14:30	10° \approx 29'28		evening set	6780 Dec 30 02:49	22° Ξ 05'34	
evening set	6780 Jan 16 03:56	8° \approx 10'30		min. Earth dist.	6781 Jan 03 09:34	17° Ξ 30'05	0.66983 AU
asc. node	6780 Jan 18 22:02	5° \approx 18'56		inferior conj	6781 Jan 04 20:11	15° Ξ 41'28	0°00'54
min. Earth dist.	6780 Jan 20 17:40	3° \approx 00'25	0.67780 AU	minimum elong	6781 Jan 04 20:09	15° Ξ 41'33	0°00'57
inferior conj	6780 Jan 21 17:01	1° \approx 43'02	0°55'17	transit middle	6781 Jan 04 20:09	15° Ξ 41'33	0°00'57
minimum elong	6780 Jan 21 15:44	1° \approx 47'17	0°54'49	transit begin	6781 Jan 04 17:19	15° Ξ 50'28	
	6780 Jan 23 00:33	30° κ Ξ		transit end	6781 Jan 04 22:59	15° Ξ 32'40	
morning rise	6780 Jan 27 03:43	25° Ξ 43'57		asc. node	6781 Jan 04 19:07	15° Ξ 44'49	
direct	6780 Jan 30 20:23	24° Ξ 25'39		morning rise	6781 Jan 10 14:01	9° Ξ 51'03	
morning max el	6780 Feb 07 07:04	28° Ξ 36'33	19°50'24	direct	6781 Jan 13 19:13	8° Ξ 51'51	
	6780 Feb 08 15:01	0° \approx		morning max el	6781 Jan 20 14:55	12° Ξ 36'30	18°54'55
greatest brilliancy	6780 Feb 20 07:29	15° \approx 35'34	-0.6m		6781 Feb 02 12:06	0° \approx	
desc. node	6780 Feb 23 09:08	20° \approx 08'28		desc. node	6781 Feb 09 06:08	10° \approx 26'31	
	6780 Feb 29 21:29	0° H		morning set	6781 Feb 11 20:51	14° \approx 31'03	
morning set	6780 Mar 04 13:42	5° H 38'26			6781 Feb 21 18:46	0° H	
max. Earth dist.	6780 Mar 15 21:50	23° H 22'25	1.44286 AU	max. Earth dist.	6781 Feb 26 14:03	7° H 31'26	1.45211 AU
	6780 Mar 20 01:02	0° Υ					
superior conj	6780 Mar 20 22:23	1° Υ 26'23	-2°09'10	superior conj	6781 Feb 28 09:57	10° H 24'00	-1°51'20
minimum elong	6780 Mar 20 19:45	1° Υ 15'43	2°09'08	minimum elong	6781 Feb 28 01:19	9° H 50'01	1°50'40
evening rise	6780 Apr 03 07:43	23° Υ 44'54			6781 Mar 12 17:10	0° Υ	
	6780 Apr 06 23:45	0° B		evening rise	6781 Mar 15 11:46	4° Υ 29'35	
asc. node	6780 Apr 15 21:12	14° B 28'49			6781 Mar 31 18:33	0° B	
evening max el	6780 Apr 21 10:45	21° B 32'21	18°11'42	asc. node	6781 Apr 02 18:16	2° B 33'51	
retrograde	6780 Apr 27 20:17	24° B 55'16		evening max el	6781 Apr 04 22:46	5° B 00'31	18°35'25
evening set	6780 Apr 30 17:45	24° B 11'28		retrograde	6781 Apr 11 12:01	8° B 36'02	
inferior conj	6780 May 06 19:42	18° B 54'10	3°15'19	evening set	6781 Apr 14 16:19	7° B 38'59	
minimum elong	6780 May 06 21:28	18° B 49'19	3°15'03	inferior conj	6781 Apr 20 09:25	2° B 04'22	3°27'25
min. Earth dist.	6780 May 09 11:43	15° B 59'48	0.63147 AU	minimum elong	6781 Apr 20 09:42	2° B 03'29	3°27'23
morning rise	6780 May 12 23:52	12° B 44'57			6781 Apr 22 02:38	30° κ Υ	
direct	6780 May 19 19:10	10° B 08'15		min. Earth dist.	6781 Apr 22 10:16	29° Υ 37'25	0.65010 AU
desc. node	6780 May 21 08:27	10° B 15'45		morning rise	6781 Apr 26 02:23	25° Υ 49'22	
morning max el	6780 Jun 02 18:24	18° B 10'07	27°48'10	direct	6781 May 02 17:58	23° Υ 01'31	
	6780 Jun 12 16:30	0° II		desc. node	6781 May 08 05:29	24° Υ 35'20	
	6780 Jul 01 08:52	0° S			6781 May 15 05:52	0° B	
morning set	6780 Jul 07 04:51	11° S 15'10		morning max el	6781 May 16 04:26	0° B 55'48	27°10'25
max. Earth dist.	6780 Jul 12 10:25	22° S 05'10	1.32582 AU		6781 Jun 06 18:12	0° II	
asc. node	6780 Jul 12 20:28	22° S 58'43		morning set	6781 Jun 20 17:30	24° II 45'45	
					6781 Jun 23 09:22	0° S	
superior conj	6780 Jul 14 22:30	27° S 27'39	0°21'20	max. Earth dist.	6781 Jun 25 06:03	3° S 45'38	1.33680 AU
minimum elong	6780 Jul 14 21:30	27° S 22'14	0°21'04				
	6780 Jul 16 02:36	0° Ω		superior conj	6781 Jun 29 01:30	11° S 40'13	-0°06'50
evening rise	6780 Jul 21 21:18	12° Ω 30'56		minimum elong	6781 Jun 29 01:52	11° S 42'07	0°06'49
	6780 Jul 30 16:52	0° Π		behind sun begin	6781 Jun 28 20:47	11° S 15'20	

behind sun end	6781 Jun 29 06:57	12°☿08'57		superior conj	6782 Jun 12 21:07	25°♊27'17	-0°37'09
asc. node	6781 Jun 29 17:30	13°☿04'42		minimum elong	6782 Jun 12 23:14	25°♊38'02	0°36'48
evening rise	6781 Jul 06 08:08	27°☿07'46			6782 Jun 15 02:22	0°☿	
	6781 Jul 07 17:06	0°♌		asc. node	6782 Jun 16 14:32	3°☿06'56	
	6781 Jul 26 05:21	0°♍		evening rise	6782 Jun 20 16:02	11°☿32'02	
evening max el	6781 Jul 26 22:44	0°♍43'45	21°52'42		6782 Jun 30 09:04	0°♌	
desc. node	6781 Aug 04 04:40	6°♍14'15		evening max el	6782 Jul 09 00:34	11°♌32'50	20°27'54
retrograde	6781 Aug 08 13:32	6°♍59'18		retrograde	6782 Jul 20 01:43	16°♌59'01	
evening set	6781 Aug 11 07:41	6°♍42'16		evening set	6782 Jul 22 01:38	16°♌49'08	
min. Earth dist.	6781 Aug 20 02:41	2°♍55'32	0.54831 AU	desc. node	6782 Jul 22 01:42	16°♌49'06	
inferior conj	6781 Aug 20 13:10	2°♍40'51	-4°25'16	inferior conj	6782 Jul 31 06:32	12°♌52'01	-2°43'51
minimum elong	6781 Aug 20 04:11	2°♍53'25	4°23'09	minimum elong	6782 Jul 30 23:05	13°♌02'49	2°41'17
	6781 Aug 25 17:37	30°♌♌		min. Earth dist.	6782 Aug 01 13:17	12°♌07'29	0.54872 AU
morning rise	6781 Aug 29 02:04	28°♌50'59		morning rise	6782 Aug 08 19:46	8°♌45'30	
direct	6781 Sep 01 11:08	28°♌25'51		direct	6782 Aug 12 20:51	8°♌10'17	
	6781 Sep 07 19:24	0°♍		morning max el	6782 Aug 26 05:19	14°♌38'29	23°30'29
morning max el	6781 Sep 13 13:36	4°♍07'13	21°47'20		6782 Sep 07 03:57	0°♍	
asc. node	6781 Sep 25 16:53	20°♍28'51		asc. node	6782 Sep 12 13:53	9°♍31'01	
	6781 Sep 30 19:05	0°♎		morning set	6782 Sep 18 21:26	22°♍14'56	
morning set	6781 Oct 04 10:00	7°♎24'06			6782 Sep 22 12:03	0°♎	
superior conj	6781 Oct 11 14:46	22°♎36'40	1°42'23	superior conj	6782 Sep 25 20:46	7°♎17'02	1°39'40
minimum elong	6781 Oct 11 14:52	22°♎37'13	1°42'24	minimum elong	6782 Sep 25 19:41	7°♎11'15	1°39'37
	6781 Oct 15 04:37	0°♏		max. Earth dist.	6782 Sep 28 10:23	12°♎46'31	1.33358 AU
max. Earth dist.	6781 Oct 15 13:06	0°♏43'01	1.34751 AU	evening rise	6782 Oct 03 11:01	23°♎08'06	
evening rise	6781 Oct 19 21:34	9°♏17'49			6782 Oct 06 23:34	0°♏	
desc. node	6781 Oct 31 03:50	29°♏16'42		desc. node	6782 Oct 18 00:51	19°♏14'18	
	6781 Oct 31 14:27	0°♐			6782 Oct 25 06:41	0°♐	
	6781 Nov 22 21:27	0°♑		evening max el	6782 Nov 06 13:56	14°♐33'53	27°22'22
evening max el	6781 Nov 24 01:25	1°♑08'52	26°49'50	retrograde	6782 Nov 20 02:58	21°♐52'22	
retrograde	6781 Dec 07 04:51	8°♑26'36		evening set	6782 Nov 27 02:28	19°♐15'41	
evening set	6781 Dec 13 19:09	5°♑49'33		min. Earth dist.	6782 Nov 30 21:38	15°♐48'32	0.64342 AU
min. Earth dist.	6781 Dec 17 19:41	1°♑48'46	0.65833 AU	inferior conj	6782 Dec 03 07:27	13°♐15'14	-2°04'29
	6781 Dec 19 09:03	30°♑♐		minimum elong	6782 Dec 03 11:12	13°♐05'16	2°02'54
inferior conj	6781 Dec 19 17:48	29°♐34'23	-0°59'30	morning rise	6782 Dec 09 21:23	7°♐50'04	
minimum elong	6781 Dec 19 19:30	29°♐29'26	0°58'43	asc. node	6782 Dec 09 13:11	7°♐59'17	
asc. node	6781 Dec 22 16:10	26°♐21'27		direct	6782 Dec 12 09:49	7°♐17'44	
morning rise	6781 Dec 25 20:50	23°♐55'01		morning max el	6782 Dec 18 21:13	10°♐41'38	17°53'35
direct	6781 Dec 28 16:31	23°♐11'12			6783 Jan 01 02:15	0°♑	
morning max el	6782 Jan 04 04:33	26°♐40'42	18°15'44	morning set	6783 Jan 04 22:52	6°♑30'56	
	6782 Jan 07 02:46	0°♑		desc. node	6783 Jan 14 00:07	21°♑37'33	
morning set	6782 Jan 23 07:26	24°♑48'29					
	6782 Jan 26 12:45	0°♒		superior conj	6783 Jan 18 06:17	28°♑32'54	-0°29'58
desc. node	6782 Jan 27 03:08	0°♒57'48		minimum elong	6783 Jan 18 02:48	28°♑18'51	0°29'26
					6783 Jan 19 03:57	0°♒	
superior conj	6782 Feb 07 14:03	19°♒08'42	-1°15'16	max. Earth dist.	6783 Jan 23 04:26	6°♒24'27	1.44874 AU
minimum elong	6782 Feb 07 05:24	18°♒34'44	1°14'12	evening rise	6783 Feb 03 06:32	23°♒40'09	
max. Earth dist.	6782 Feb 09 09:07	21°♒57'40	1.45413 AU		6783 Feb 07 09:53	0°♓	
	6782 Feb 14 12:29	0°♓		greatest brilliancy	6783 Feb 18 00:15	15°♓53'01	-0.6m
evening rise	6782 Feb 23 17:00	14°♓20'48			6783 Feb 28 11:26	0°♓	
	6782 Mar 05 18:21	0°♓		evening max el	6783 Mar 02 11:11	2°♓10'21	20°13'00
greatest brilliancy	6782 Mar 07 02:59	2°♓04'54	-0.7m	asc. node	6783 Mar 07 12:21	6°♓03'43	
evening max el	6782 Mar 19 07:27	18°♓34'22	19°16'27	retrograde	6783 Mar 10 06:35	6°♓43'19	
asc. node	6782 Mar 20 15:19	19°♓50'05		evening set	6783 Mar 14 02:56	5°♓17'26	
retrograde	6782 Mar 26 08:21	22°♓33'51			6783 Mar 18 21:37	30°♓♓	
evening set	6782 Mar 29 20:08	21°♓22'44		inferior conj	6783 Mar 19 11:26	29°♓13'18	3°07'55
inferior conj	6782 Apr 04 07:37	15°♓32'23	3°23'51	minimum elong	6783 Mar 19 09:36	29°♓19'31	3°07'36
minimum elong	6782 Apr 04 06:39	15°♓35'30	3°23'46	min. Earth dist.	6783 Mar 20 06:40	28°♓08'06	0.67503 AU
min. Earth dist.	6782 Apr 05 17:08	13°♓43'56	0.66478 AU	morning rise	6783 Mar 24 16:03	22°♓57'58	
morning rise	6782 Apr 09 16:48	9°♓16'01		direct	6783 Mar 30 10:03	20°♓23'52	
direct	6782 Apr 15 23:19	6°♓29'48		morning max el	6783 Apr 10 23:18	27°♓18'38	24°43'40
desc. node	6782 Apr 25 02:30	10°♓47'16		desc. node	6783 Apr 11 23:31	28°♓21'18	
morning max el	6782 Apr 28 14:22	14°♓01'46	26°05'41		6783 Apr 13 11:47	0°♓	
	6782 May 11 13:52	0°♔			6783 May 05 05:34	0°♔	
	6782 May 30 12:28	0°♕		morning set	6783 May 16 23:02	19°♔32'30	
morning set	6782 Jun 03 17:09	7°♕35'53		max. Earth dist.	6783 May 20 13:49	26°♔02'34	1.37230 AU
max. Earth dist.	6782 Jun 07 14:32	14°♕58'24	1.35254 AU		6783 May 22 17:09	0°♕	

superior conj	6783 May 27 06:16	8° Π 40'47	-1°07'57	superior conj	6784 May 09 00:56	21° \mathcal{B} 09'47	-1°36'39
minimum elong	6783 May 27 10:15	9° Π 00'10	1°07'21	minimum elong	6784 May 09 06:15	21° \mathcal{B} 34'23	1°36'03
asc. node	6783 Jun 03 11:32	23° Π 01'33			6784 May 13 17:38	0° Π	
evening rise	6783 Jun 04 18:38	25° Π 37'13		evening rise	6784 May 18 12:58	9° Π 14'18	
	6783 Jun 06 23:38	0° \mathcal{E}		asc. node	6784 May 20 08:33	12° Π 43'21	
evening max el	6783 Jun 21 15:18	23° \mathcal{E} 05'14	19°22'03		6784 May 30 08:02	0° \mathcal{E}	
retrograde	6783 Jun 30 23:16	27° \mathcal{E} 40'31		evening max el	6784 Jun 03 16:50	5° \mathcal{E} 18'03	18°36'49
evening set	6783 Jul 02 21:02	27° \mathcal{E} 29'50		retrograde	6784 Jun 11 14:43	9° \mathcal{E} 13'10	
desc. node	6783 Jul 08 22:44	24° \mathcal{E} 57'51		evening set	6784 Jun 13 17:55	8° \mathcal{E} 57'01	
inferior conj	6783 Jul 11 11:26	23° \mathcal{E} 22'05	-0°45'55	inferior conj	6784 Jun 21 12:31	4° \mathcal{E} 30'52	0°57'40
minimum elong	6783 Jul 11 09:24	23° \mathcal{E} 25'25	0°45'10	minimum elong	6784 Jun 21 14:34	4° \mathcal{E} 26'57	0°56'52
min. Earth dist.	6783 Jul 14 02:31	21° \mathcal{E} 39'33	0.55854 AU	desc. node	6784 Jun 24 19:47	2° \mathcal{E} 00'32	
morning rise	6783 Jul 19 19:03	18° \mathcal{E} 42'42		min. Earth dist.	6784 Jun 24 20:07	1° \mathcal{E} 59'56	0.57574 AU
direct	6783 Jul 24 16:07	17° \mathcal{E} 48'43			6784 Jun 27 21:10	30° \mathcal{R} Π	
morning max el	6783 Aug 07 18:19	24° \mathcal{E} 55'44	25°13'28	morning rise	6784 Jun 29 07:47	29° Π 14'46	
	6783 Aug 12 11:19	0° \mathcal{Q}		direct	6784 Jul 05 01:36	27° Π 52'06	
asc. node	6783 Aug 30 10:53	28° \mathcal{Q} 58'27			6784 Jul 12 09:42	0° \mathcal{E}	
	6783 Aug 30 23:08	0° \mathcal{M}		morning max el	6784 Jul 19 10:47	5° \mathcal{E} 27'29	26°39'51
morning set	6783 Sep 03 09:03	7° \mathcal{M} 04'56			6784 Aug 06 11:23	0° \mathcal{Q}	
				asc. node	6784 Aug 16 07:53	18° \mathcal{Q} 43'30	
superior conj	6783 Sep 10 06:35	22° \mathcal{M} 06'54	1°31'05	morning set	6784 Aug 17 19:14	21° \mathcal{Q} 48'35	
minimum elong	6783 Sep 10 04:42	21° \mathcal{M} 56'35	1°30'54		6784 Aug 21 14:15	0° \mathcal{M}	
max. Earth dist.	6783 Sep 11 15:22	25° \mathcal{M} 06'25	1.32403 AU				
	6783 Sep 13 21:33	0° \mathcal{A}		superior conj	6784 Aug 24 18:12	6° \mathcal{M} 59'17	1°17'18
evening rise	6783 Sep 17 09:46	7° \mathcal{A} 23'40		minimum elong	6784 Aug 24 15:57	6° \mathcal{M} 46'49	1°16'58
	6783 Sep 29 10:58	0° \mathcal{M}		max. Earth dist.	6784 Aug 25 00:58	7° \mathcal{M} 36'46	1.31883 AU
desc. node	6783 Oct 04 21:52	8° \mathcal{M} 42'21		evening rise	6784 Aug 31 14:58	21° \mathcal{M} 55'52	
evening max el	6783 Oct 19 23:49	27° \mathcal{M} 29'55	27°25'47		6784 Sep 04 13:28	0° \mathcal{A}	
	6783 Oct 22 20:31	0° \mathcal{X}		desc. node	6784 Sep 20 18:56	27° \mathcal{A} 28'45	
retrograde	6783 Nov 02 18:11	4° \mathcal{X} 44'34			6784 Sep 22 15:30	0° \mathcal{M}	
evening set	6783 Nov 09 21:42	2° \mathcal{X} 17'31		evening max el	6784 Oct 01 04:20	9° \mathcal{M} 44'01	26°56'04
	6783 Nov 12 19:33	30° \mathcal{R} \mathcal{M}		retrograde	6784 Oct 15 01:47	16° \mathcal{M} 54'09	
min. Earth dist.	6783 Nov 13 13:30	29° \mathcal{M} 19'40	0.62545 AU	evening set	6784 Oct 22 00:51	14° \mathcal{M} 48'12	
inferior conj	6783 Nov 16 10:15	26° \mathcal{M} 37'00	-3°11'12	min. Earth dist.	6784 Oct 25 18:36	12° \mathcal{M} 09'37	0.60521 AU
minimum elong	6783 Nov 16 16:00	26° \mathcal{M} 23'20	3°09'09	inferior conj	6784 Oct 28 22:54	9° \mathcal{M} 31'03	-4°14'27
morning rise	6783 Nov 23 12:11	21° \mathcal{M} 29'32		minimum elong	6784 Oct 29 05:43	9° \mathcal{M} 16'49	4°12'37
direct	6783 Nov 25 19:58	21° \mathcal{M} 05'03		morning rise	6784 Nov 05 12:47	4° \mathcal{M} 44'36	
asc. node	6783 Nov 26 10:13	21° \mathcal{M} 06'41		direct	6784 Nov 07 19:01	4° \mathcal{M} 24'48	
morning max el	6783 Dec 02 13:59	24° \mathcal{M} 32'07	17°49'10	asc. node	6784 Nov 12 07:14	5° \mathcal{M} 47'37	
	6783 Dec 07 00:53	0° \mathcal{X}		morning max el	6784 Nov 15 03:34	8° \mathcal{M} 03'47	18°03'36
morning set	6783 Dec 18 13:19	19° \mathcal{X} 19'19			6784 Nov 29 06:50	0° \mathcal{X}	
	6783 Dec 24 14:45	0° \mathcal{B}		morning set	6784 Nov 30 20:26	2° \mathcal{X} 54'37	
superior conj	6783 Dec 29 23:00	9° \mathcal{B} 09'13	0°13'50	superior conj	6784 Dec 10 17:20	20° \mathcal{X} 59'39	0°49'47
minimum elong	6783 Dec 30 00:20	9° \mathcal{B} 14'50	0°13'42	minimum elong	6784 Dec 10 20:48	21° \mathcal{X} 15'04	0°49'22
behind sun begin	6783 Dec 29 19:36	8° \mathcal{B} 54'55			6784 Dec 15 21:31	0° \mathcal{B}	
behind sun end	6783 Dec 30 05:03	9° \mathcal{B} 34'44		desc. node	6784 Dec 17 18:08	3° \mathcal{B} 08'43	
desc. node	6783 Dec 31 21:07	12° \mathcal{B} 22'18		max. Earth dist.	6784 Dec 18 08:49	4° \mathcal{B} 10'10	1.41902 AU
max. Earth dist.	6784 Jan 05 21:09	20° \mathcal{B} 34'23	1.43655 AU	evening rise	6784 Dec 23 19:43	13° \mathcal{B} 05'30	
	6784 Jan 11 19:29	0° \approx			6785 Jan 03 18:45	0° \approx	
evening rise	6784 Jan 13 18:33	3° \approx 03'20		evening max el	6785 Jan 26 02:37	29° \approx 26'07	22°39'21
	6784 Jan 31 21:40	0° \mathcal{H}			6785 Jan 26 16:16	0° \mathcal{H}	
evening max el	6784 Feb 13 09:20	15° \mathcal{H} 47'10	21°22'01	retrograde	6785 Feb 05 00:53	5° \mathcal{H} 19'56	
retrograde	6784 Feb 22 04:38	20° \mathcal{H} 59'55		asc. node	6785 Feb 08 06:27	4° \mathcal{H} 26'23	
asc. node	6784 Feb 22 09:24	20° \mathcal{H} 59'42		evening set	6785 Feb 09 18:16	3° \mathcal{H} 23'41	
evening set	6784 Feb 26 10:50	19° \mathcal{H} 18'51			6785 Feb 12 21:48	30° \mathcal{R} \approx	
inferior conj	6784 Mar 02 18:32	13° \mathcal{H} 03'22	2°41'43	inferior conj	6785 Feb 15 02:55	27° \approx 00'15	2°06'37
minimum elong	6784 Mar 02 16:16	13° \mathcal{H} 11'17	2°41'09	minimum elong	6785 Feb 15 00:40	27° \approx 08'06	2°05'55
min. Earth dist.	6784 Mar 03 00:46	12° \mathcal{H} 41'46	0.68094 AU	min. Earth dist.	6785 Feb 14 21:17	27° \approx 19'50	0.68273 AU
morning rise	6784 Mar 07 21:31	6° \mathcal{H} 50'37		morning rise	6785 Feb 20 06:57	20° \approx 51'21	
direct	6784 Mar 13 01:23	4° \mathcal{H} 35'25		direct	6785 Feb 24 20:29	18° \approx 58'15	
morning max el	6784 Mar 23 08:39	10° \mathcal{H} 42'27	23°14'20	morning max el	6785 Mar 05 21:31	24° \approx 14'55	21°47'07
desc. node	6784 Mar 28 20:31	16° \mathcal{H} 54'08			6785 Mar 10 23:39	0° \mathcal{H}	
	6784 Apr 07 15:36	0° \mathcal{Y}		desc. node	6785 Mar 15 17:31	6° \mathcal{H} 09'43	
morning set	6784 Apr 27 05:15	0° \mathcal{B} 19'43			6785 Apr 01 01:32	0° \mathcal{Y}	
	6784 Apr 27 00:33	0° \mathcal{B}		morning set	6785 Apr 07 07:37	9° \mathcal{Y} 48'45	
max. Earth dist.	6784 May 01 09:43	7° \mathcal{B} 28'07	1.39433 AU	max. Earth dist.	6785 Apr 13 08:50	19° \mathcal{Y} 40'22	1.41602 AU

	6785 Apr 19 10:51	0°♄		minimum elong	6786 Apr 02 01:35	13°♄19'02	2°10'22
superior conj	6785 Apr 21 00:31	2°♄44'12	-1°59'15	evening rise	6786 Apr 11 20:16	0°♄	
minimum elong	6785 Apr 21 05:23	3°♄05'33	1°58'57	asc. node	6786 Apr 14 09:32	4°♄28'00	
evening rise	6785 May 01 19:25	22°♄14'38			6786 Apr 24 02:40	21°♄07'34	
	6785 May 06 01:09	0°♄		evening max el	6786 Apr 30 10:49	0°♄	
asc. node	6785 May 07 05:36	2°♄07'29		retrograde	6786 May 01 14:12	1°♄12'25	18°06'24
evening max el	6785 May 18 01:40	18°♄03'37	18°11'52	evening set	6786 May 08 01:35	4°♄33'34	
retrograde	6785 May 25 00:39	21°♄33'55			6786 May 10 19:14	3°♄56'55	
evening set	6785 May 27 11:10	21°♄08'45		inferior conj	6786 May 16 00:28	30°♄♄	
inferior conj	6785 Jun 03 11:03	16°♄22'21	2°12'47	minimum elong	6786 May 17 04:01	28°♄50'41	2°59'24
minimum elong	6785 Jun 03 14:19	16°♄15'04	2°11'49	min. Earth dist.	6786 May 17 06:35	28°♄44'08	2°58'53
min. Earth dist.	6785 Jun 06 20:04	13°♄23'07	0.59717 AU	morning rise	6786 May 20 03:58	25°♄48'02	0.61942 AU
morning rise	6785 Jun 10 14:35	10°♄37'28		desc. node	6786 May 23 16:05	22°♄47'59	
desc. node	6785 Jun 11 16:50	10°♄01'31		direct	6786 May 29 13:52	20°♄25'21	
direct	6785 Jun 17 00:44	8°♄41'26		morning max el	6786 May 30 10:36	20°♄23'04	
morning max el	6785 Jul 01 09:32	16°♄34'31	27°35'46		6786 Jun 13 14:18	28°♄24'03	27°54'26
	6785 Jul 12 10:29	0°♄			6786 Jun 15 03:27	0°♄	
	6785 Jul 29 23:43	0°♄		morning set	6786 Jul 06 06:19	0°♄	
morning set	6785 Aug 02 02:17	6°♄20'41		asc. node	6786 Jul 17 04:14	20°♄35'22	
asc. node	6785 Aug 03 04:54	8°♄40'38			6786 Jul 21 01:57	28°♄45'05	
max. Earth dist.	6785 Aug 08 11:34	20°♄07'46	1.31801 AU	max. Earth dist.	6786 Jul 21 15:57	0°♄	
					6786 Jul 22 19:28	2°♄28'23	1.32164 AU
superior conj	6785 Aug 09 05:49	21°♄48'34	0°58'50	superior conj	6786 Jul 24 15:41	6°♄29'00	0°36'08
minimum elong	6785 Aug 09 03:40	21°♄36'39	0°58'25	minimum elong	6786 Jul 24 14:07	6°♄20'26	0°35'46
	6785 Aug 12 22:51	0°♄		evening rise	6786 Jul 31 11:46	21°♄23'27	
evening rise	6785 Aug 16 00:19	6°♄37'52			6786 Aug 04 15:12	0°♄	
	6785 Aug 28 04:00	0°♄			6786 Aug 23 20:23	0°♄	
desc. node	6785 Sep 07 15:59	15°♄16'45		evening max el	6786 Aug 25 15:41	1°♄49'42	24°26'04
evening max el	6785 Sep 13 01:28	21°♄08'58	25°53'40	desc. node	6786 Aug 25 13:01	1°♄43'18	
retrograde	6785 Sep 27 00:17	28°♄14'17		retrograde	6786 Sep 08 11:13	8°♄46'19	
evening set	6785 Oct 03 07:01	26°♄40'37		evening set	6786 Sep 13 12:37	7°♄49'29	
min. Earth dist.	6785 Oct 07 14:05	24°♄05'03	0.58445 AU	min. Earth dist.	6786 Sep 19 02:43	4°♄58'30	0.56584 AU
inferior conj	6785 Oct 10 17:55	21°♄47'57	-5°04'47	inferior conj	6786 Sep 21 16:56	3°♄20'16	-5°27'03
minimum elong	6785 Oct 10 23:22	21°♄38'04	5°03'56	minimum elong	6786 Sep 21 17:14	3°♄19'48	5°27'02
morning rise	6785 Oct 18 18:01	17°♄24'15			6786 Sep 27 19:06	30°♄♄	
direct	6785 Oct 21 02:41	17°♄06'12		morning rise	6786 Sep 30 00:06	29°♄17'45	
morning max el	6785 Oct 29 10:23	21°♄06'39	18°38'19	direct	6786 Oct 02 15:43	28°♄58'48	
asc. node	6785 Oct 30 04:17	21°♄51'26			6786 Oct 07 06:08	0°♄	
	6785 Nov 05 06:34	0°♄		morning max el	6786 Oct 12 07:00	3°♄30'49	19°34'50
morning set	6785 Nov 14 15:09	17°♄01'58		asc. node	6786 Oct 17 01:19	9°♄03'10	
	6785 Nov 21 08:02	0°♄		morning set	6786 Oct 28 23:32	0°♄	
					6786 Oct 29 17:44	1°♄31'16	
superior conj	6785 Nov 23 08:49	3°♄50'37	1°15'59	superior conj	6786 Nov 06 16:16	17°♄27'49	1°32'41
minimum elong	6785 Nov 23 12:16	4°♄06'47	1°15'39	minimum elong	6786 Nov 06 18:37	17°♄39'19	1°32'33
max. Earth dist.	6785 Nov 30 15:32	17°♄02'39	1.39837 AU	max. Earth dist.	6786 Nov 12 20:58	29°♄18'32	1.37710 AU
evening rise	6785 Dec 04 18:11	24°♄05'30			6786 Nov 13 05:57	0°♄	
desc. node	6785 Dec 04 15:09	23°♄52'47		evening rise	6786 Nov 16 14:47	6°♄05'15	
	6785 Dec 08 08:01	0°♄		desc. node	6786 Nov 21 12:10	14°♄30'56	
	6785 Dec 28 14:48	0°♄			6786 Dec 01 06:33	0°♄	
evening max el	6786 Jan 08 16:48	13°♄08'36	23°59'27	evening max el	6786 Dec 22 05:53	26°♄54'34	25°15'33
retrograde	6786 Jan 19 17:51	19°♄38'28		retrograde	6786 Dec 25 16:51	0°♄	
evening set	6786 Jan 24 23:38	17°♄27'38		evening set	6787 Jan 03 06:26	3°♄51'00	
asc. node	6786 Jan 26 03:31	16°♄22'09		asc. node	6787 Jan 09 01:21	1°♄27'03	
min. Earth dist.	6786 Jan 29 17:51	11°♄57'34	0.68064 AU	min. Earth dist.	6787 Jan 10 14:01	30°♄♄	
inferior conj	6786 Jan 30 10:44	11°♄00'18	1°23'29	inferior conj	6787 Jan 13 00:34	27°♄08'23	
minimum elong	6786 Jan 30 08:57	11°♄06'21	1°22'52	minimum elong	6787 Jan 13 12:08	26°♄31'26	0.67487 AU
morning rise	6786 Feb 04 18:18	4°♄56'54		morning rise	6787 Jan 14 16:09	25°♄00'30	0°33'02
direct	6786 Feb 08 18:15	3°♄26'13		direct	6787 Jan 14 15:20	25°♄03'08	0°32'45
morning max el	6786 Feb 16 17:01	7°♄58'10	20°29'09	morning max el	6787 Jan 20 05:35	19°♄04'37	
desc. node	6786 Mar 02 14:32	25°♄55'50		desc. node	6787 Jan 23 17:15	17°♄54'39	
	6786 Mar 05 09:16	0°♄		morning set	6787 Jan 30 20:30	21°♄52'47	19°24'48
morning set	6786 Mar 17 10:05	18°♄14'22			6787 Feb 06 13:10	0°♄	
	6786 Mar 24 21:29	0°♄		greatest brilliancy	6787 Feb 12 21:33	9°♄09'09	-0.7m
max. Earth dist.	6786 Mar 26 15:06	2°♄46'56	1.43456 AU	desc. node	6787 Feb 17 11:31	16°♄04'09	
superior conj	6786 Apr 02 00:30	13°♄14'30	-2°10'21	morning set	6787 Feb 24 08:14	26°♄36'21	

	6787 Feb 26 12:55	0°♄			6788 Feb 19 07:42	0°♄	
max. Earth dist.	6787 Mar 09 04:44	16°♄39'32	1.44769 AU				
superior conj	6787 Mar 12 23:36	22°♄40'19	-2°04'07	superior conj	6788 Feb 20 05:33	1°♄25'37	-1°37'52
minimum elong	6787 Mar 12 18:03	22°♄18'07	2°03'52	minimum elong	6788 Feb 19 19:59	0°♄48'09	1°36'55
	6787 Mar 17 12:57	0°♄		max. Earth dist.	6788 Feb 19 23:04	1°♄00'12	1.45389 AU
evening rise	6787 Mar 27 02:54	15°♄46'07		evening rise	6788 Mar 06 20:56	26°♄07'13	
	6787 Apr 04 16:42	0°♄			6788 Mar 09 07:18	0°♄	
asc. node	6787 Apr 10 23:43	9°♄35'33		greatest brilliancy	6788 Mar 15 06:32	9°♄29'39	-0.8m
evening max el	6787 Apr 15 03:13	14°♄35'41	18°19'38	asc. node	6788 Mar 27 20:47	27°♄21'44	
retrograde	6787 Apr 21 13:06	18°♄02'03		evening max el	6788 Mar 28 14:03	28°♄07'03	18°50'50
evening set	6787 Apr 24 13:32	17°♄12'33			6788 Mar 30 16:39	0°♄	
inferior conj	6787 Apr 30 11:16	11°♄47'42	3°22'35	retrograde	6788 Apr 04 07:16	1°♄51'30	
minimum elong	6787 Apr 30 12:25	11°♄44'25	3°22'28	evening set	6788 Apr 07 14:41	0°♄48'23	
min. Earth dist.	6787 May 02 20:57	9°♄03'26	0.63987 AU		6788 Apr 08 17:18	30°♄	
morning rise	6787 May 06 10:18	5°♄35'37		inferior conj	6788 Apr 13 05:00	25°♄06'37	3°27'36
direct	6787 May 13 04:56	2°♄52'42		minimum elong	6788 Apr 13 04:43	25°♄07'29	3°27'34
desc. node	6787 May 16 10:54	3°♄25'37		min. Earth dist.	6788 Apr 14 23:08	22°♄55'25	0.65682 AU
morning max el	6787 May 26 23:08	10°♄52'01	27°35'59	morning rise	6788 Apr 18 18:15	18°♄50'41	
	6787 Jun 11 00:55	0°♄		direct	6788 Apr 25 06:24	16°♄02'25	
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morning set	6787 Jun 30 22:34	4°♄24'21		morning max el	6788 May 08 09:31	23°♄48'41	26°45'49
max. Earth dist.	6787 Jul 05 20:43	14°♄26'27	1.32993 AU		6788 May 13 22:13	0°♄	
asc. node	6787 Jul 07 22:57	18°♄51'41			6788 Jun 03 09:45	0°♄	
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superior conj	6787 Jul 08 21:46	20°♄53'33	0°09'46	max. Earth dist.	6788 Jun 17 12:07	25°♄56'35	1.34297 AU
minimum elong	6787 Jul 08 21:17	20°♄50'59	0°09'36		6788 Jun 19 12:22	0°♄	
behind sun begin	6787 Jul 08 16:57	20°♄27'44		superior conj	6788 Jun 21 21:57	4°♄56'30	-0°19'29
behind sun end	6787 Jul 09 01:38	21°♄14'16		minimum elong	6788 Jun 21 23:02	5°♄02'03	0°19'19
	6787 Jul 13 03:09	0°♄		asc. node	6788 Jun 23 19:58	8°♄56'59	
evening rise	6787 Jul 15 23:22	6°♄05'26		evening rise	6788 Jun 29 09:14	20°♄38'24	
	6787 Jul 28 16:09	0°♄			6788 Jul 03 23:55	0°♄	
evening max el	6787 Aug 07 03:54	12°♄06'43	22°47'38	evening max el	6788 Jul 18 22:45	22°♄35'32	21°14'29
desc. node	6787 Aug 12 10:05	16°♄16'56		desc. node	6788 Jul 29 07:06	28°♄25'18	
retrograde	6787 Aug 20 09:18	18°♄42'44		retrograde	6788 Jul 30 22:47	28°♄31'55	
evening set	6787 Aug 23 22:19	18°♄15'16		evening set	6788 Aug 02 06:58	28°♄19'11	
min. Earth dist.	6787 Aug 31 11:53	14°♄53'05	0.55250 AU	inferior conj	6788 Aug 11 14:12	24°♄20'59	-3°46'34
inferior conj	6787 Sep 01 20:58	14°♄05'48	-5°03'29	minimum elong	6788 Aug 11 05:03	24°♄33'50	3°43'54
minimum elong	6787 Sep 01 14:19	14°♄15'19	5°02'30	min. Earth dist.	6788 Aug 11 21:17	24°♄11'02	0.54733 AU
morning rise	6787 Sep 10 08:22	10°♄16'28		morning rise	6788 Aug 20 03:49	20°♄26'53	
direct	6787 Sep 13 10:31	9°♄54'21		direct	6788 Aug 23 19:02	19°♄58'29	
morning max el	6787 Sep 24 15:05	15°♄07'41	20°53'25	morning max el	6788 Sep 05 11:39	25°♄59'37	22°30'15
asc. node	6787 Oct 03 22:20	27°♄07'08			6788 Sep 09 06:36	0°♄	
	6787 Oct 05 15:32	0°♄		asc. node	6788 Sep 19 19:20	15°♄51'06	
morning set	6787 Oct 14 01:23	16°♄13'46			6788 Sep 26 23:53	0°♄	
	6787 Oct 20 16:11	0°♄		morning set	6788 Sep 27 11:58	1°♄03'22	
superior conj	6787 Oct 21 11:08	1°♄37'36	1°40'59	superior conj	6788 Oct 04 13:55	16°♄09'44	1°41'59
minimum elong	6787 Oct 21 12:03	1°♄42'13	1°40'58	minimum elong	6788 Oct 04 13:29	16°♄07'26	1°42'00
max. Earth dist.	6787 Oct 26 05:51	11°♄13'59	1.35744 AU	max. Earth dist.	6788 Oct 07 22:05	23°♄09'56	1.34108 AU
evening rise	6787 Oct 30 06:22	18°♄55'52			6788 Oct 11 07:00	0°♄	
	6787 Nov 05 10:32	0°♄		evening rise	6788 Oct 12 12:56	2°♄27'24	
desc. node	6787 Nov 08 09:12	4°♄58'07		desc. node	6788 Oct 25 06:13	25°♄08'44	
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evening max el	6787 Dec 04 18:51	10°♄39'05	26°20'25	evening max el	6788 Nov 16 07:40	24°♄13'52	27°06'44
retrograde	6787 Dec 17 13:51	17°♄51'38			6788 Nov 23 23:11	0°♄	
evening set	6787 Dec 23 21:41	15°♄17'43		retrograde	6788 Nov 29 15:39	1°♄32'58	
min. Earth dist.	6787 Dec 28 01:45	10°♄57'11	0.66543 AU		6788 Dec 04 20:54	30°♄	
inferior conj	6787 Dec 29 17:12	8°♄57'02	-0°24'03	evening set	6788 Dec 06 10:29	28°♄54'44	
minimum elong	6787 Dec 29 17:51	8°♄55'03	0°23'42	min. Earth dist.	6788 Dec 10 08:28	25°♄08'52	0.65242 AU
asc. node	6787 Dec 30 21:37	7°♄31'34		inferior conj	6788 Dec 12 11:43	22°♄45'14	-1°26'39
morning rise	6788 Jan 04 14:43	3°♄11'04		minimum elong	6788 Dec 12 14:15	22°♄38'05	1°25'31
direct	6788 Jan 07 15:43	2°♄18'46		asc. node	6788 Dec 16 18:40	18°♄28'46	
morning max el	6788 Jan 14 07:05	5°♄55'16	18°36'13	morning rise	6788 Dec 18 19:14	17°♄11'52	
	6788 Jan 31 06:07	0°♄		direct	6788 Dec 21 11:32	16°♄33'27	
morning set	6788 Feb 04 02:01	6°♄02'53		morning max el	6788 Dec 27 22:25	19°♄59'17	18°04'14
desc. node	6788 Feb 04 08:30	6°♄28'32			6789 Jan 04 13:31	0°♄	

morning set	6789 Jan 15 01:16	16°  57'52	direct	6789 Dec 05 02:07	0°  33'19	
desc. node	6789 Jan 21 05:29	27°  03'52	morning max el	6789 Dec 11 15:38	3°  57'48	17°49'29
	6789 Jan 23 01:02	0° 	morning set	6789 Dec 28 03:23	29°  11'25	
				6789 Dec 28 14:38	0° 	
superior conj	6789 Jan 29 12:33	10°  21'08 -0°56'28	desc. node	6790 Jan 08 02:30	17°  346'39	
minimum elong	6789 Jan 29 05:48	9°  54'26 0°55'33				
max. Earth dist.	6789 Feb 01 18:37	15°  28'53 1.45265 AU	superior conj	6790 Jan 09 14:35	20°  315'09 -0°10'45	
	6789 Feb 11 02:02	0° 	minimum elong	6790 Jan 09 13:24	20°  310'21 0°10'31	
evening rise	6789 Feb 14 18:06	5°  41'03	behind sun begin	6790 Jan 09 06:01	19°  340'01	
greatest brilliancy	6789 Feb 28 01:11	26°  01'14 -0.7m	behind sun end	6790 Jan 09 20:48	20°  340'39	
	6789 Mar 02 18:09	0° 	max. Earth dist.	6790 Jan 15 12:37	29°  349'00 1.44428 AU	
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morning rise	6789 Apr 02 12:44	2°  024'22		6790 Mar 04 07:12	30°  404'44	
	6789 Apr 06 12:52	30°  404'44	evening set	6790 Mar 07 03:29	28°  435'28	
direct	6789 Apr 08 14:05	29°  42'21	inferior conj	6790 Mar 12 11:24	22°  426'13 2°57'58	
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desc. node	6789 Apr 19 04:53	5°  027'28	min. Earth dist.	6790 Mar 13 01:02	21°  439'25 0.67806 AU	
morning max el	6789 Apr 20 19:14	7°  000'58 25°32'25	morning rise	6790 Mar 17 14:58	16°  411'35	
	6789 May 08 15:48	0° 	direct	6790 Mar 23 03:04	13°  444'39	
morning set	6789 May 26 22:59	0°  008'57	morning max el	6790 Apr 03 03:58	20°  420'38 24°05'52	
	6789 May 26 21:00	0° 	desc. node	6790 Apr 06 01:54	23°  428'48	
max. Earth dist.	6789 May 30 16:13	7°  002'32 1.36049 AU		6790 Apr 11 10:16	0° 	
				6790 May 01 20:36	0° 	
superior conj	6789 Jun 05 13:30	18°  030'02 -0°50'17	morning set	6790 May 08 19:29	11°  437'46	
minimum elong	6789 Jun 05 16:25	18°  044'37 0°49'48	max. Earth dist.	6790 May 12 12:31	18°  408'49 1.38149 AU	
asc. node	6789 Jun 10 17:00	28°  056'30		6790 May 18 22:58	0° 	
	6789 Jun 11 05:24	0° 				
evening rise	6789 Jun 13 15:11	4°  055'18	superior conj	6790 May 19 16:59	1°  025'40 -1°20'37	
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desc. node	6789 Jul 16 04:07	7°  053'08	evening max el	6790 Jun 14 01:50	15°  033'04 19°00'23	
inferior conj	6789 Jul 22 10:56	4°  037'01 -1°53'48	retrograde	6790 Jun 22 18:00	19°  049'07	
minimum elong	6789 Jul 22 05:40	4°  045'00 1°51'52	evening set	6790 Jun 24 17:36	19°  036'39	
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morning rise	6789 Jul 30 22:35	0°  017'28	minimum elong	6790 Jul 02 23:51	15°  021'59 0°00'57	
	6789 Jul 31 23:48	30°  040'44	transit middle	6790 Jul 02 23:51	15°  021'59 0°00'57	
direct	6789 Aug 04 07:30	29°  035'36	transit begin	6790 Jul 02 20:05	15°  028'32	
	6789 Aug 07 14:25	0° 	transit end	6790 Jul 03 03:36	15°  015'26	
morning max el	6789 Aug 18 01:32	6°  022'20 24°15'17	desc. node	6790 Jul 03 01:11	15°  019'40	
	6789 Sep 03 23:32	0° 	min. Earth dist.	6790 Jul 06 00:12	13°  016'48 0.56510 AU	
asc. node	6789 Sep 06 16:20	5°  005'06	morning rise	6790 Jul 11 02:49	10°  026'38	
morning set	6789 Sep 11 23:41	15°  005'451	direct	6790 Jul 16 09:11	9°  021'08	
	6789 Sep 18 11:37	0° 	morning max el	6790 Jul 30 15:16	16°  042'06 25°53'09	
				6790 Aug 10 12:21	0° 	
superior conj	6789 Sep 18 21:51	0°  055'42 1°36'42	asc. node	6790 Aug 24 13:20	24°  040'52	
minimum elong	6789 Sep 18 20:23	0°  047'44 1°36'36	morning set	6790 Aug 27 10:53	0° 	
max. Earth dist.	6789 Sep 20 22:42	5°  019'57 1.32893 AU		6790 Aug 27 02:48	0° 	
evening rise	6789 Sep 26 06:45	16°  030'00				
	6789 Oct 03 07:04	0° 	superior conj	6790 Sep 03 08:40	15°  0047'42 1°25'51	
desc. node	6789 Oct 12 03:15	14°  0055'30	minimum elong	6790 Sep 03 06:34	15°  0036'10 1°25'36	
	6789 Oct 22 22:48	0° 	max. Earth dist.	6790 Sep 04 05:56	17°  0044'53 1.32125 AU	
evening max el	6789 Oct 29 19:13	7°  0028'22 27°27'40		6790 Sep 09 22:13	0° 	
retrograde	6789 Nov 12 11:15	14°  0046'32	evening rise	6790 Sep 10 08:34	0°  0054'02	
evening set	6789 Nov 19 13:10	12°  0012'26		6790 Sep 26 06:47	0° 	
min. Earth dist.	6789 Nov 23 06:25	8°  0058'35 0.63607 AU	desc. node	6790 Sep 29 00:18	4°  0007'52	
inferior conj	6789 Nov 25 21:10	6° 0019'37 -2°32'48	evening max el	6790 Oct 12 03:19	20° 0008'55 27°17'25	
minimum elong	6789 Nov 26 01:48	6° 0007'49 2°30'58	retrograde	6790 Oct 25 23:33	27° 0021'41	
morning rise	6789 Dec 02 16:09	1° 0001'44	evening set	6790 Nov 02 02:10	25° 0002'31	
asc. node	6789 Dec 03 15:41	0°	min. Earth dist.	6790 Nov 05 17:58	22° 0014'06 0.61700 AU	


































































































































inferior conj	6790 Nov 08 18:25	19° \mathbb{M} 31'22	-3°38'54	evening set	6791 Oct 14 20:57	7° \mathbb{M} 17'36	
minimum elong	6790 Nov 09 00:49	19° \mathbb{M} 16'57	3°36'50	min. Earth dist.	6791 Oct 18 18:46	4° \mathbb{M} 42'30	0.59640 AU
morning rise	6790 Nov 16 01:31	14° \mathbb{M} 32'13		inferior conj	6791 Oct 22 00:00	2° \mathbb{M} 11'11	-4°38'08
direct	6790 Nov 18 08:07	14° \mathbb{M} 10'09		minimum elong	6791 Oct 22 06:39	1° \mathbb{M} 58'06	4°36'37
asc. node	6790 Nov 20 12:42	14° \mathbb{M} 31'20			6791 Oct 24 22:00	30° \mathbb{R} $\underline{\mathbb{A}}$	
morning max el	6790 Nov 25 07:26	17° \mathbb{M} 41'34	17°52'51	morning rise	6791 Oct 29 18:31	27° $\underline{\mathbb{A}}$ 33'56	
	6790 Dec 04 02:22	0° \mathbb{X}		direct	6791 Nov 01 01:24	27° $\underline{\mathbb{A}}$ 15'05	
morning set	6790 Dec 11 01:41	12° \mathbb{X} 22'21		asc. node	6791 Nov 07 09:44	29° $\underline{\mathbb{A}}$ 49'05	
	6790 Dec 20 23:04	0° \mathbb{Z}			6791 Nov 07 15:04	0° \mathbb{M}	
				morning max el	6791 Nov 08 18:30	1° \mathbb{M} 01'52	18°15'42
superior conj	6790 Dec 21 18:30	1° \mathbb{Z} 23'58	0°30'13	morning set	6791 Nov 24 14:16	26° \mathbb{M} 12'59	
minimum elong	6790 Dec 21 21:04	1° \mathbb{Z} 35'02	0°29'54		6791 Nov 26 14:08	0° \mathbb{X}	
desc. node	6790 Dec 25 23:31	8° \mathbb{Z} 32'39					
max. Earth dist.	6790 Dec 29 03:12	13° \mathbb{Z} 45'40	1.42970 AU	superior conj	6791 Dec 03 22:27	13° \mathbb{X} 41'46	1°02'06
evening rise	6791 Jan 04 21:12	24° \mathbb{Z} 34'12		minimum elong	6791 Dec 04 02:06	13° \mathbb{X} 58'23	1°01'41
	6791 Jan 08 09:08	0° \approx		max. Earth dist.	6791 Dec 11 13:07	27° \mathbb{X} 05'32	1.41058 AU
	6791 Jan 29 04:30	0° \mathbb{X}		desc. node	6791 Dec 12 20:32	29° \mathbb{X} 18'24	
evening max el	6791 Feb 05 18:03	8° \mathbb{X} 56'04	21°54'14		6791 Dec 13 06:26	0° \mathbb{Z}	
retrograde	6791 Feb 15 00:35	14° \mathbb{X} 26'01		evening rise	6791 Dec 16 06:56	4° \mathbb{Z} 59'52	
asc. node	6791 Feb 16 11:55	14° \mathbb{X} 14'43			6792 Jan 01 14:49	0° \approx	
evening set	6791 Feb 19 11:22	12° \mathbb{X} 38'39		evening max el	6792 Jan 19 09:52	22° \approx 36'43	23°13'27
inferior conj	6791 Feb 24 19:19	6° \mathbb{X} 19'37	2°27'51	retrograde	6792 Jan 29 19:27	28° \approx 46'04	
minimum elong	6791 Feb 24 16:59	6° \mathbb{X} 27'43	2°27'12	asc. node	6792 Feb 03 08:59	27° \approx 01'48	
min. Earth dist.	6791 Feb 24 20:27	6° \mathbb{X} 15'38	0.68226 AU	evening set	6792 Feb 03 18:06	26° \approx 43'21	
morning rise	6791 Mar 01 22:25	0° \mathbb{X} 08'20		min. Earth dist.	6792 Feb 08 17:09	20° \approx 54'06	0.68239 AU
	6791 Mar 02 02:19	30° \mathbb{R} \approx		inferior conj	6792 Feb 09 03:40	20° \approx 17'56	1°49'14
direct	6791 Mar 06 20:17	28° \approx 02'05		minimum elong	6792 Feb 09 01:33	20° \approx 25'13	1°48'32
	6791 Mar 12 04:06	0° \mathbb{X}		morning rise	6792 Feb 14 08:55	14° \approx 11'24	
morning max el	6791 Mar 16 14:11	3° \mathbb{X} 47'05	22°36'24	direct	6792 Feb 18 16:37	12° \approx 27'56	
desc. node	6791 Mar 23 22:55	12° \mathbb{X} 21'30		morning max el	6792 Feb 27 05:34	17° \approx 23'51	21°12'28
	6791 Apr 05 13:54	0° \mathbb{Y}			6792 Mar 08 11:53	0° \mathbb{X}	
morning set	6791 Apr 19 14:05	21° \mathbb{Y} 51'50		desc. node	6792 Mar 09 19:55	1° \mathbb{X} 51'07	
	6791 Apr 24 10:54	0° \mathbb{Z}			6792 Mar 28 16:21	0° \mathbb{Y}	
max. Earth dist.	6791 Apr 24 09:01	29° \mathbb{Y} 52'01	1.40378 AU	morning set	6792 Mar 29 04:53	0° \mathbb{Y} 49'14	
				max. Earth dist.	6792 Apr 05 11:37	12° \mathbb{Y} 30'11	1.42449 AU
superior conj	6791 May 02 04:11	13° \mathbb{Z} 33'21	-1°47'16				
minimum elong	6791 May 02 09:38	13° \mathbb{Z} 57'57	1°46'46	superior conj	6792 Apr 12 18:11	24° \mathbb{Y} 41'11	-2°05'43
	6791 May 11 00:31	0° \mathbb{I}		minimum elong	6792 Apr 12 21:55	24° \mathbb{Y} 57'12	2°05'35
evening rise	6791 May 12 04:23	2° \mathbb{I} 11'47			6792 Apr 15 19:54	0° \mathbb{Z}	
asc. node	6791 May 15 11:05	8° \mathbb{I} 21'20		evening rise	6792 Apr 24 04:28	14° \mathbb{Z} 53'22	
evening max el	6791 May 28 07:01	28° \mathbb{I} 01'35	18°23'50	asc. node	6792 May 01 08:08	27° \mathbb{Z} 36'00	
	6791 May 30 15:50	0° \mathbb{E}			6792 May 02 18:22	0° \mathbb{I}	
retrograde	6791 Jun 04 17:29	1° \mathbb{E} 43'52		evening max el	6792 May 10 17:47	10° \mathbb{I} 57'34	18°07'09
evening set	6791 Jun 06 23:56	1° \mathbb{E} 24'07		retrograde	6792 May 17 10:29	14° \mathbb{I} 22'19	
	6791 Jun 10 02:20	30° \mathbb{R} \mathbb{I}		evening set	6792 May 20 00:06	13° \mathbb{I} 52'26	
inferior conj	6791 Jun 14 10:12	26° \mathbb{I} 49'19	1°33'12	inferior conj	6792 May 26 17:01	8° \mathbb{I} 57'06	2°35'47
minimum elong	6791 Jun 14 13:04	26° \mathbb{I} 43'25	1°32'12	minimum elong	6792 May 26 20:08	8° \mathbb{I} 49'42	2°34'59
min. Earth dist.	6791 Jun 17 20:02	24° \mathbb{I} 03'38	0.58455 AU	min. Earth dist.	6792 May 29 22:56	5° \mathbb{I} 53'44	0.60669 AU
desc. node	6791 Jun 19 22:14	22° \mathbb{I} 32'52		morning rise	6792 Jun 02 13:46	3° \mathbb{I} 03'22	
morning rise	6791 Jun 21 23:00	21° \mathbb{I} 20'06		desc. node	6792 Jun 05 19:17	1° \mathbb{I} 27'58	
direct	6791 Jun 28 00:47	19° \mathbb{I} 43'19		direct	6792 Jun 09 04:21	0° \mathbb{I} 54'27	
morning max el	6791 Jul 12 10:04	27° \mathbb{I} 26'38	27°07'59	morning max el	6792 Jun 23 11:37	8° \mathbb{I} 51'31	27°48'33
	6791 Jul 14 21:14	0° \mathbb{E}			6792 Jul 09 16:49	0° \mathbb{E}	
	6791 Aug 04 01:55	0° \mathbb{Q}		morning set	6792 Jul 26 01:05	29° \mathbb{E} 47'33	
asc. node	6791 Aug 11 10:22	14° \mathbb{Q} 32'04			6792 Jul 26 03:29	0° \mathbb{Q}	
morning set	6791 Aug 11 19:58	15° \mathbb{Q} 22'29		asc. node	6792 Jul 28 07:24	4° \mathbb{Q} 32'36	
				max. Earth dist.	6792 Aug 01 02:39	12° \mathbb{Q} 46'26	1.31902 AU
superior conj	6791 Aug 18 20:31	0° \mathbb{P} 39'48	1°10'02				
minimum elong	6791 Aug 18 18:15	0° \mathbb{P} 27'13	1°09'39	superior conj	6792 Aug 02 07:33	15° \mathbb{Q} 25'21	0°49'42
max. Earth dist.	6791 Aug 18 16:35	0° \mathbb{P} 18'04	1.31798 AU	minimum elong	6792 Aug 02 05:35	15° \mathbb{Q} 14'31	0°49'17
	6791 Aug 18 13:20	0° \mathbb{P}			6792 Aug 08 23:21	0° \mathbb{P}	
evening rise	6791 Aug 25 15:50	15° \mathbb{P} 31'52		evening rise	6792 Aug 09 02:17	0° \mathbb{P} 15'41	
	6791 Sep 01 20:54	0° $\underline{\mathbb{A}}$			6792 Aug 25 06:42	0° $\underline{\mathbb{A}}$	
desc. node	6791 Sep 15 21:22	22° $\underline{\mathbb{A}}$ 32'03		desc. node	6792 Sep 01 18:25	9° $\underline{\mathbb{A}}$ 48'23	
	6791 Sep 22 03:36	0° \mathbb{M}		evening max el	6792 Sep 04 22:51	13° $\underline{\mathbb{A}}$ 07'17	25°18'42
evening max el	6791 Sep 24 05:08	2° \mathbb{M} 03'38	26°33'19	retrograde	6792 Sep 18 20:42	20° $\underline{\mathbb{A}}$ 09'42	
retrograde	6791 Oct 08 03:09	9° \mathbb{M} 10'45		evening set	6792 Sep 24 16:48	18° $\underline{\mathbb{A}}$ 51'25	

































































































































min. Earth dist.	6792 Sep 29 10:30	16° Ω 11'51	0.57613 AU	evening set	6793 Sep 04 12:29	29° η 40'42	
inferior conj	6792 Oct 02 10:36	14° Ω 09'15	-5°18'43	min. Earth dist.	6793 Sep 10 21:09	26° η 37'59	0.55924 AU
minimum elong	6792 Oct 02 14:20	14° Ω 02'52	5°18'20	inferior conj	6793 Sep 13 00:55	25° η 20'05	-5°23'34
morning rise	6792 Oct 10 14:10	9° Ω 55'21		minimum elong	6793 Sep 12 22:10	25° η 24'14	5°23'25
direct	6792 Oct 13 01:25	9° Ω 37'09		morning rise	6793 Sep 21 10:12	21° η 25'01	
morning max el	6792 Oct 21 21:20	13° Ω 49'11	18°59'41	direct	6793 Sep 24 05:44	21° η 05'10	
asc. node	6792 Oct 24 06:46	16° Ω 23'24		morning max el	6793 Oct 04 12:49	25° η 53'49	20°05'49
	6792 Nov 02 01:14	0° \mathcal{M}			6793 Oct 08 06:22	0° Ω	
morning set	6792 Nov 07 12:42	10° \mathcal{M} 30'49		asc. node	6793 Oct 11 03:47	3° Ω 58'42	
				morning set	6793 Oct 22 17:42	25° Ω 06'09	
superior conj	6792 Nov 15 21:21	26° \mathcal{M} 54'25	1°24'10		6793 Oct 25 03:07	0° \mathcal{M}	
minimum elong	6792 Nov 16 00:24	27° \mathcal{M} 09'03	1°23'54				
	6792 Nov 17 12:22	0° \mathcal{N}		superior conj	6793 Oct 30 10:08	10° \mathcal{M} 46'56	1°37'09
max. Earth dist.	6792 Nov 22 18:55	9° \mathcal{N} 41'55	1.38925 AU	minimum elong	6793 Oct 30 11:52	10° \mathcal{M} 55'38	1°37'05
evening rise	6792 Nov 26 14:57	16° \mathcal{N} 25'31		max. Earth dist.	6793 Nov 05 00:43	21° \mathcal{M} 44'29	1.36832 AU
desc. node	6792 Nov 28 17:33	20° \mathcal{N} 00'31		evening rise	6793 Nov 08 20:03	28° \mathcal{M} 47'55	
	6792 Dec 04 20:42	0° \mathcal{Z}			6793 Nov 09 12:02	0° \mathcal{N}	
	6792 Dec 26 04:57	0° \approx		desc. node	6793 Nov 15 14:33	10° \mathcal{N} 34'32	
evening max el	6792 Dec 31 23:13	6° \approx 20'35	24°32'39		6793 Nov 28 04:06	0° \mathcal{Z}	
retrograde	6793 Jan 12 10:42	13° \approx 03'17		evening max el	6793 Dec 14 11:58	20° \mathcal{Z} 06'06	25°44'57
evening set	6793 Jan 17 22:08	10° \approx 46'17		retrograde	6793 Dec 26 21:21	27° \mathcal{Z} 11'36	
asc. node	6793 Jan 20 06:02	8° \approx 24'18		evening set	6794 Jan 01 21:47	24° \mathcal{Z} 42'47	
min. Earth dist.	6793 Jan 22 12:57	5° \approx 31'01	0.67864 AU	min. Earth dist.	6794 Jan 06 05:34	20° \mathcal{Z} 02'00	0.67124 AU
inferior conj	6793 Jan 23 10:40	4° \approx 18'35	1°02'56	asc. node	6794 Jan 07 03:04	18° \mathcal{Z} 53'56	
minimum elong	6793 Jan 23 09:14	4° \approx 23'22	1°02'26	inferior conj	6794 Jan 07 14:27	18° \mathcal{Z} 17'47	0°09'34
	6793 Jan 26 22:45	30° \mathcal{R} \mathcal{Z}		minimum elong	6794 Jan 07 14:12	18° \mathcal{Z} 18'34	0°09'32
morning rise	6793 Jan 28 20:28	28° \mathcal{Z} 18'22		transit middle	6794 Jan 07 14:12	18° \mathcal{Z} 18'34	0°09'32
direct	6793 Feb 01 14:57	26° \mathcal{Z} 57'01		transit begin	6794 Jan 07 11:55	18° \mathcal{Z} 25'48	
	6793 Feb 07 21:27	0° \approx		transit end	6794 Jan 07 16:28	18° \mathcal{Z} 11'21	
morning max el	6793 Feb 09 04:36	1° \approx 13'04	19°59'59	morning rise	6794 Jan 13 07:04	12° \mathcal{Z} 25'46	
desc. node	6793 Feb 24 16:54	21° \approx 47'39		direct	6794 Jan 16 13:52	11° \mathcal{Z} 23'55	
	6793 Mar 02 04:00	0° \mathcal{H}		morning max el	6794 Jan 23 11:20	15° \mathcal{Z} 11'50	19°02'06
morning set	6793 Mar 08 02:29	9° \mathcal{H} 04'57			6794 Feb 03 16:49	0° \approx	
max. Earth dist.	6793 Mar 18 21:21	25° \mathcal{H} 58'56	1.44091 AU	desc. node	6794 Feb 11 13:52	12° \approx 03'14	
	6793 Mar 21 09:30	0° \mathcal{Y}		morning set	6794 Feb 15 06:32	17° \approx 47'29	
					6794 Feb 23 02:35	0° \mathcal{H}	
superior conj	6793 Mar 24 07:20	4° \mathcal{Y} 43'00	-2°10'07	max. Earth dist.	6794 Mar 01 12:44	10° \mathcal{H} 03'27	1.45120 AU
minimum elong	6793 Mar 24 05:44	4° \mathcal{Y} 36'30	2°10'06				
evening rise	6793 Apr 06 10:19	26° \mathcal{Y} 44'42		superior conj	6794 Mar 03 21:28	13° \mathcal{H} 46'49	-1°55'21
	6793 Apr 08 07:48	0° \mathcal{B}		minimum elong	6794 Mar 03 13:28	13° \mathcal{H} 15'16	1°54'46
asc. node	6793 Apr 18 05:12	16° \mathcal{B} 23'43			6794 Mar 14 01:13	0° \mathcal{Y}	
evening max el	6793 Apr 24 06:48	24° \mathcal{B} 13'08	18°09'40	evening rise	6794 Mar 18 17:47	7° \mathcal{Y} 37'45	
retrograde	6793 Apr 30 16:34	27° \mathcal{B} 35'13			6794 Apr 01 17:50	0° \mathcal{B}	
evening set	6793 May 03 12:59	26° \mathcal{B} 53'22		asc. node	6794 Apr 05 02:15	4° \mathcal{B} 35'17	
inferior conj	6793 May 09 16:36	21° \mathcal{B} 38'56	3°11'45	evening max el	6794 Apr 07 19:10	7° \mathcal{B} 40'26	18°30'48
minimum elong	6793 May 09 18:35	21° \mathcal{B} 33'34	3°11'26	retrograde	6794 Apr 14 07:16	11° \mathcal{B} 13'08	
min. Earth dist.	6793 May 12 10:49	18° \mathcal{B} 41'39	0.62846 AU	evening set	6794 Apr 17 10:33	10° \mathcal{B} 18'05	
morning rise	6793 May 15 22:42	15° \mathcal{B} 31'01		inferior conj	6794 Apr 23 04:45	4° \mathcal{B} 46'04	3°26'39
direct	6793 May 22 18:02	12° \mathcal{B} 56'55		minimum elong	6794 Apr 23 05:16	4° \mathcal{B} 44'32	3°26'35
desc. node	6793 May 23 16:18	12° \mathcal{B} 59'35		min. Earth dist.	6794 Apr 25 07:57	2° \mathcal{B} 14'08	0.64758 AU
morning max el	6793 Jun 05 18:40	20° \mathcal{B} 59'10	27°50'53		6794 Apr 27 09:05	30° \mathcal{R} \mathcal{Y}	
	6793 Jun 13 13:44	0° \mathcal{I}		morning rise	6794 Apr 28 23:12	28° \mathcal{Y} 31'42	
	6793 Jul 02 18:38	0° \mathcal{E}		direct	6794 May 05 15:48	25° \mathcal{Y} 44'35	
morning set	6793 Jul 10 00:06	13° \mathcal{E} 51'59		desc. node	6794 May 10 13:17	26° \mathcal{Y} 59'32	
asc. node	6793 Jul 15 04:25	24° \mathcal{E} 38'12			6794 May 15 03:40	0° \mathcal{B}	
max. Earth dist.	6793 Jul 15 08:09	24° \mathcal{E} 58'06	1.32457 AU	morning max el	6794 May 19 04:25	3° \mathcal{B} 40'43	27°17'56
					6794 Jun 08 00:08	0° \mathcal{I}	
superior conj	6793 Jul 17 16:01	29° \mathcal{E} 59'09	0°25'21	morning set	6794 Jun 23 14:20	27° \mathcal{I} 28'07	
minimum elong	6793 Jul 17 14:51	29° \mathcal{E} 52'49	0°25'02		6794 Jun 24 21:17	0° \mathcal{E}	
	6793 Jul 17 16:10	0° \mathcal{Q}		max. Earth dist.	6794 Jun 28 05:16	6° \mathcal{E} 43'24	1.33485 AU
evening rise	6793 Jul 24 13:58	14° \mathcal{Q} 59'43					
	6793 Aug 01 00:46	0° \mathcal{N}		superior conj	6794 Jul 01 19:55	14° \mathcal{E} 15'36	-0°02'23
evening max el	6793 Aug 17 10:59	23° \mathcal{N} 32'37	23°44'25	minimum elong	6794 Jul 01 20:02	14° \mathcal{E} 16'17	0°02'25
desc. node	6793 Aug 19 15:28	25° \mathcal{N} 30'28		behind sun begin	6794 Jul 01 14:34	13° \mathcal{E} 47'19	
	6793 Aug 27 21:37	0° Ω		behind sun end	6794 Jul 02 01:31	14° \mathcal{E} 45'17	
retrograde	6793 Aug 31 02:34	0° Ω 23'29		asc. node	6794 Jul 02 01:27	14° \mathcal{E} 44'59	
	6793 Sep 03 08:34	30° \mathcal{R} \mathcal{N}		evening rise	6794 Jul 09 01:05	29° \mathcal{E} 38'33	

	6794 Jul 09 05:09	0°♎		evening rise	6795 Jun 23 09:33	14°♊05'26	
	6794 Jul 26 13:07	0°♏			6795 Jul 01 13:59	0°♎	
evening max el	6794 Jul 30 01:09	3°♏51'19	22°06'38	evening max el	6795 Jul 12 01:05	14°♎34'43	20°39'25
desc. node	6794 Aug 06 12:30	9°♏06'16		retrograde	6795 Jul 23 08:16	20°♎08'50	
retrograde	6794 Aug 11 20:17	10°♏12'37		desc. node	6795 Jul 24 09:33	20°♎06'06	
evening set	6794 Aug 14 18:50	9°♏53'26		evening set	6795 Jul 25 09:51	19°♎58'27	
inferior conj	6794 Aug 23 23:00	5°♏50'22	-4°37'03	inferior conj	6795 Aug 03 15:52	16°♎01'33	-3°01'10
minimum elong	6794 Aug 23 14:25	6°♏02'26	4°35'12	minimum elong	6795 Aug 03 07:47	16°♎13'07	2°58'28
min. Earth dist.	6794 Aug 23 06:30	6°♏13'33	0.54910 AU	min. Earth dist.	6795 Aug 04 16:38	15°♎26'04	0.54808 AU
morning rise	6794 Sep 01 11:32	2°♏01'11		morning rise	6795 Aug 12 05:21	11°♎58'58	
direct	6794 Sep 04 18:44	1°♏36'55		direct	6795 Aug 16 03:48	11°♎25'45	
morning max el	6794 Sep 16 15:41	7°♏11'03	21°32'50	morning max el	6795 Aug 29 08:26	17°♎46'53	23°14'44
asc. node	6794 Sep 28 00:47	22°♏21'15			6795 Sep 08 06:03	0°♏	
	6794 Oct 02 05:22	0°♏		asc. node	6795 Sep 14 21:47	11°♏18'58	
morning set	6794 Oct 07 02:51	9°♏52'27		morning set	6795 Sep 21 14:07	24°♏43'09	
					6795 Sep 24 01:26	0°♏	
superior conj	6794 Oct 14 08:46	25°♏07'34	1°42'13	superior conj	6795 Sep 28 14:00	9°♏45'58	1°40'27
minimum elong	6794 Oct 14 09:04	25°♏09'10	1°42'15	minimum elong	6795 Sep 28 13:05	9°♏41'03	1°40'26
	6794 Oct 16 17:22	0°♏		max. Earth dist.	6795 Oct 01 08:21	15°♏39'03	1.33542 AU
max. Earth dist.	6794 Oct 18 12:16	3°♏37'25	1.34997 AU	evening rise	6795 Oct 06 06:22	25°♏43'33	
evening rise	6794 Oct 22 18:35	11°♏57'53			6795 Oct 08 10:48	0°♏	
	6794 Nov 01 22:04	0°♏		desc. node	6795 Oct 20 08:40	20°♏57'05	
desc. node	6794 Nov 02 11:36	0°♏55'44			6795 Oct 26 08:03	0°♏	
	6794 Nov 23 08:57	0°♏		evening max el	6795 Nov 09 13:49	17°♏16'27	27°19'10
evening max el	6794 Nov 27 01:05	3°♏48'22	26°42'52	retrograde	6795 Nov 23 01:34	24°♏34'59	
retrograde	6794 Dec 10 02:32	11°♏04'53		evening set	6795 Nov 30 00:02	21°♏57'39	
evening set	6794 Dec 16 15:12	8°♏28'36		min. Earth dist.	6795 Dec 03 19:54	18°♏25'48	0.64587 AU
min. Earth dist.	6794 Dec 20 16:41	4°♏22'37	0.66031 AU	inferior conj	6795 Dec 06 04:01	15°♏54'49	-1°54'24
inferior conj	6794 Dec 22 13:01	2°♏11'49	-0°49'59	minimum elong	6795 Dec 06 07:27	15°♏45'33	1°52'58
minimum elong	6794 Dec 22 14:26	2°♏07'39	0°49'19	asc. node	6795 Dec 11 21:06	10°♏51'17	
	6794 Dec 24 11:02	30°♏♏		morning rise	6795 Dec 12 16:15	10°♏27'25	
asc. node	6794 Dec 25 00:05	29°♏25'13		direct	6795 Dec 15 05:39	9°♏53'34	
morning rise	6794 Dec 28 14:33	26°♏30'33		morning max el	6795 Dec 21 16:38	13°♏17'34	17°55'49
direct	6794 Dec 31 11:34	25°♏44'37			6796 Jan 02 09:34	0°♏	
morning max el	6795 Jan 07 00:11	29°♏15'33	18°20'27	morning set	6796 Jan 08 00:06	9°♏22'34	
	6795 Jan 07 17:27	0°♏		desc. node	6796 Jan 16 07:53	23°♏11'50	
morning set	6795 Jan 26 12:36	27°♏51'22			6796 Jan 20 12:29	0°♏	
	6795 Jan 27 20:41	0°♏		superior conj	6796 Jan 21 14:46	1°♏45'32	-0°36'57
desc. node	6795 Jan 29 10:51	2°♏32'46		minimum elong	6796 Jan 21 10:24	1°♏28'03	0°36'17
				max. Earth dist.	6796 Jan 26 03:28	8°♏57'48	1.44998 AU
superior conj	6795 Feb 11 01:19	22°♏29'36	-1°21'34	evening rise	6796 Feb 06 17:19	26°♏58'35	
minimum elong	6795 Feb 10 16:12	21°♏53'53	1°20'30		6796 Feb 08 16:36	0°♏	
max. Earth dist.	6795 Feb 12 07:41	24°♏28'38	1.45435 AU	greatest brilliancy	6796 Feb 21 09:23	19°♏08'39	-0.6m
	6795 Feb 15 20:22	0°♏			6796 Feb 29 05:03	0°♏	
evening rise	6795 Feb 27 02:06	17°♏35'51		evening max el	6796 Mar 04 08:59	4°♏49'43	20°03'40
	6795 Mar 06 23:59	0°♏		asc. node	6796 Mar 08 20:19	8°♏24'03	
greatest brilliancy	6795 Mar 09 18:35	4°♏17'57	-0.8m	retrograde	6796 Mar 12 01:13	9°♏17'18	
evening max el	6795 Mar 22 04:27	21°♏13'45	19°09'22	evening set	6796 Mar 15 20:15	7°♏53'34	
asc. node	6795 Mar 22 23:17	21°♏59'44		inferior conj	6796 Mar 21 05:02	1°♏51'12	3°11'02
retrograde	6795 Mar 29 03:04	25°♏08'52		minimum elong	6796 Mar 21 03:18	1°♏57'03	3°10'45
evening set	6795 Apr 01 13:45	23°♏59'47		min. Earth dist.	6796 Mar 22 02:15	0°♏39'35	0.67377 AU
inferior conj	6795 Apr 07 01:52	18°♏11'38	3°25'15		6796 Mar 22 14:07	30°♏♏	
minimum elong	6795 Apr 07 01:04	18°♏14'11	3°25'10	morning rise	6796 Mar 26 10:08	25°♏35'35	
min. Earth dist.	6795 Apr 08 13:35	16°♏17'09	0.66285 AU	direct	6796 Apr 01 06:04	22°♏59'19	
morning rise	6795 Apr 12 12:01	11°♏55'24			6796 Apr 12 23:25	0°♏	
direct	6795 Apr 18 20:08	9°♏08'20		morning max el	6796 Apr 12 23:37	0°♏00'31	24°56'37
desc. node	6795 Apr 27 10:16	12°♏56'35		desc. node	6796 Apr 13 07:17	0°♏20'02	
morning max el	6795 May 01 14:24	16°♏44'12	26°16'44		6796 May 05 11:54	0°♏	
	6795 May 12 14:40	0°♏		morning set	6796 May 19 01:04	22°♏30'34	
	6795 May 31 21:46	0°♏		max. Earth dist.	6796 May 22 16:06	29°♏04'54	1.36917 AU
morning set	6795 Jun 06 16:11	10°♏25'04			6796 May 23 04:01	0°♏	
max. Earth dist.	6795 Jun 10 15:33	18°♏00'30	1.34992 AU	superior conj	6796 May 29 03:43	11°♏26'00	-1°03'22
				minimum elong	6796 May 29 07:25	11°♏44'13	1°02'46
superior conj	6795 Jun 15 16:48	28°♏07'07	-0°32'28	asc. node	6796 Jun 04 19:31	24°♏44'25	
minimum elong	6795 Jun 15 18:37	28°♏16'29	0°32'09				
	6795 Jun 16 14:48	0°♏					
asc. node	6795 Jun 18 22:28	4°♏48'17					

evening rise	6796 Jun 06 13:08	28° Π 13'54		superior conj	6797 May 12 00:49	24° B 02'06	-1°32'36
	6796 Jun 07 10:19	0° B		minimum elong	6797 May 12 06:00	24° B 26'20	1°31'58
evening max el	6796 Jun 23 13:54	26° B 00'04	19°30'32		6797 May 15 04:40	0° Π	
	6796 Jun 29 09:42	0° Ω		evening rise	6797 May 21 08:55	11° Π 55'34	
retrograde	6796 Jul 03 03:52	0° Ω 42'44		asc. node	6797 May 22 16:34	14° Π 28'25	
evening set	6796 Jul 05 01:10	0° Ω 32'33			6797 May 31 08:00	0° B	
	6796 Jul 07 02:22	30° R B		evening max el	6797 Jun 06 14:02	8° B 07'15	18°42'16
desc. node	6796 Jul 10 06:34	28° B 33'28		retrograde	6797 Jun 14 16:24	12° B 07'23	
inferior conj	6796 Jul 13 18:17	26° B 26'56	-1°03'24	evening set	6797 Jun 16 18:31	11° B 52'22	
minimum elong	6796 Jul 13 15:25	26° B 31'31	1°02'22	inferior conj	6797 Jun 24 16:07	7° B 29'21	0°43'38
min. Earth dist.	6796 Jul 16 05:23	24° B 52'43	0.55654 AU	minimum elong	6797 Jun 24 17:44	7° B 26'20	0°43'00
morning rise	6796 Jul 22 03:09	21° B 52'54		desc. node	6797 Jun 27 03:36	5° B 38'20	
direct	6796 Jul 26 20:58	21° B 02'28		min. Earth dist.	6797 Jun 27 22:24	5° B 04'23	0.57281 AU
morning max el	6796 Aug 09 21:29	28° B 04'28	24°58'50	morning rise	6797 Jul 02 13:31	2° B 18'17	
	6796 Aug 11 19:35	0° Ω		direct	6797 Jul 08 04:27	1° B 00'13	
	6796 Aug 31 10:08	0° P		morning max el	6797 Jul 22 13:11	8° B 32'31	26°28'42
asc. node	6796 Aug 31 18:50	0° P 43'02			6797 Aug 07 17:03	0° Ω	
morning set	6796 Sep 05 01:49	9° P 33'34		asc. node	6797 Aug 18 15:52	20° Ω 26'05	
				morning set	6797 Aug 20 12:21	24° Ω 18'42	
superior conj	6796 Sep 11 23:24	24° P 34'47	1°32'44		6797 Aug 23 03:50	0° P	
minimum elong	6796 Sep 11 21:37	24° P 25'01	1°32'34	superior conj	6797 Aug 27 10:54	9° P 27'35	1°19'43
max. Earth dist.	6796 Sep 13 12:19	27° P 56'19	1.32516 AU	minimum elong	6797 Aug 27 08:41	9° P 15'17	1°19'24
	6796 Sep 14 11:07	0° B		max. Earth dist.	6797 Aug 27 21:22	10° P 25'27	1.31927 AU
evening rise	6796 Sep 19 03:55	9° B 55'41		evening rise	6797 Sep 03 08:21	24° P 26'09	
	6796 Sep 29 18:28	0° M			6797 Sep 06 01:04	0° B	
desc. node	6796 Oct 06 05:43	10° M 30'21		desc. node	6797 Sep 23 02:46	29° B 24'16	
	6796 Oct 21 16:55	0° A			6797 Sep 23 12:56	0° M	
evening max el	6796 Oct 22 00:09	0° A 17'15	27°27'17	evening max el	6797 Oct 04 05:39	12° M 38'43	27°02'44
retrograde	6796 Nov 04 17:56	7° A 32'58		retrograde	6797 Oct 18 02:58	19° M 49'52	
evening set	6796 Nov 11 21:20	5° A 03'38		evening set	6797 Oct 25 03:16	17° M 40'03	
min. Earth dist.	6796 Nov 15 13:20	2° A 02'00	0.62826 AU	min. Earth dist.	6797 Oct 28 20:10	14° M 59'23	0.60827 AU
	6796 Nov 17 16:07	30° R M		inferior conj	6797 Oct 31 23:41	12° M 19'06	-4°05'30
inferior conj	6796 Nov 18 08:39	29° M 19'50	-3°01'11	minimum elong	6797 Nov 01 06:28	12° M 04'40	4°03'33
minimum elong	6796 Nov 18 14:08	29° M 06'35	2°59'11	morning rise	6797 Nov 08 11:53	7° M 29'21	
morning rise	6796 Nov 25 08:48	24° M 09'42		direct	6797 Nov 10 18:02	7° M 09'06	
direct	6796 Nov 27 17:03	23° M 44'19		asc. node	6797 Nov 14 15:12	8° M 11'50	
asc. node	6796 Nov 27 18:08	23° M 44'20		morning max el	6797 Nov 17 23:59	10° M 45'56	18°00'11
morning max el	6796 Dec 04 09:39	27° M 10'23	17°48'44		6797 Nov 30 16:24	0° A	
	6796 Dec 06 21:41	0° A		morning set	6797 Dec 03 16:35	5° A 31'59	
morning set	6796 Dec 20 11:34	22° A 02'25					
	6796 Dec 25 00:27	0° B		superior conj	6797 Dec 13 18:21	23° A 50'55	0°44'57
superior conj	6797 Jan 01 03:37	12° B 10'47	0°07'36	minimum elong	6797 Dec 13 21:40	24° A 05'30	0°44'31
minimum elong	6797 Jan 01 04:22	12° B 13'58	0°07'33		6797 Dec 17 07:16	0° B	
behind sun begin	6796 Dec 31 20:13	11° B 39'51		desc. node	6797 Dec 20 01:56	4° B 42'42	
behind sun end	6797 Jan 01 12:31	12° B 48'00		max. Earth dist.	6797 Dec 21 08:51	6° B 51'43	1.42190 AU
desc. node	6797 Jan 02 04:54	13° B 56'12		evening rise	6797 Dec 27 03:05	16° B 13'34	
max. Earth dist.	6797 Jan 07 20:37	23° B 10'55	1.43870 AU		6798 Jan 05 00:51	0° \approx	
	6797 Jan 12 03:27	0° \approx			6798 Jan 27 02:44	0° H	
evening rise	6797 Jan 16 04:33	6° \approx 18'42		evening max el	6798 Jan 29 01:53	2° H 04'57	22°27'30
	6797 Feb 01 00:51	0° H		retrograde	6798 Feb 07 20:08	7° H 52'48	
evening max el	6797 Feb 15 07:56	18° H 26'18	21°11'03	asc. node	6798 Feb 10 14:25	7° H 13'30	
retrograde	6797 Feb 23 23:31	23° H 33'12		evening set	6798 Feb 12 11:43	5° H 58'56	
asc. node	6797 Feb 23 17:22	23° H 32'51		inferior conj	6798 Feb 17 20:09	29° \approx 36'30	2°12'28
evening set	6797 Feb 28 04:07	21° H 54'28		minimum elong	6798 Feb 17 17:51	29° \approx 44'29	2°11'47
inferior conj	6797 Mar 05 11:48	15° H 40'25	2°46'17	min. Earth dist.	6798 Feb 17 16:16	29° \approx 50'00	0.68274 AU
minimum elong	6797 Mar 05 09:34	15° H 48'09	2°45'45		6798 Feb 17 13:23	30° R \approx	
min. Earth dist.	6797 Mar 05 19:54	15° H 12'22	0.68032 AU	morning rise	6798 Feb 22 23:50	23° \approx 26'49	
morning rise	6797 Mar 10 14:51	9° H 27'03		direct	6798 Feb 27 15:31	21° \approx 30'14	
direct	6797 Mar 15 20:50	7° H 08'45		morning max el	6798 Mar 08 20:50	26° \approx 54'14	21°59'34
morning max el	6797 Mar 26 08:49	13° H 23'40	23°27'41		6798 Mar 11 17:39	0° H	
desc. node	6797 Mar 31 04:17	18° H 45'15		desc. node	6798 Mar 18 01:18	7° H 55'08	
	6797 Apr 08 18:25	0° Y			6798 Apr 02 08:13	0° Y	
	6797 Apr 28 09:13	0° B		morning set	6798 Apr 10 17:45	13° Y 09'38	
morning set	6797 Apr 30 11:12	3° B 29'10		max. Earth dist.	6798 Apr 16 09:54	22° Y 27'37	1.41295 AU
max. Earth dist.	6797 May 04 11:50	10° B 24'15	1.39101 AU		6798 Apr 20 20:27	0° B	

superior conj	6798 Apr 24 03:34	5°♄45'25	-1°56'25	minimum elong	6799 Apr 05 09:13	16°♄33'55	2°09'39
minimum elong	6798 Apr 24 08:41	6°♄08'02	1°56'05		6799 Apr 13 05:30	0°♄	
evening rise	6798 May 04 17:23	25°♄01'48		evening rise	6799 Apr 17 10:15	7°♄22'59	
	6798 May 07 09:54	0°♄		asc. node	6799 Apr 26 10:38	22°♄59'39	
asc. node	6798 May 09 13:36	3°♄55'27			6799 May 01 02:19	0°♄	
evening max el	6798 May 20 22:03	20°♄48'42	18°14'20	evening max el	6799 May 04 10:17	3°♄54'53	18°05'58
retrograde	6798 May 27 23:36	24°♄21'28		retrograde	6799 May 10 22:37	7°♄16'21	
evening set	6798 May 30 09:06	23°♄57'47		evening set	6799 May 13 15:17	6°♄41'28	
inferior conj	6798 Jun 06 11:34	19°♄14'30	2°03'16	inferior conj	6799 May 20 02:03	1°♄37'59	2°53'56
minimum elong	6798 Jun 06 14:48	19°♄07'27	2°02'17	minimum elong	6799 May 20 04:47	1°♄31'06	2°53'21
min. Earth dist.	6798 Jun 09 21:15	16°♄17'54	0.59385 AU		6799 May 21 16:54	30°♄	
morning rise	6798 Jun 13 17:31	13°♄33'22		min. Earth dist.	6799 May 23 03:43	28°♄34'30	0.61619 AU
desc. node	6798 Jun 14 00:38	13°♄23'20		morning rise	6799 May 26 16:19	25°♄37'24	
direct	6798 Jun 20 01:49	11°♄42'08		desc. node	6799 May 31 21:39	23°♄23'22	
morning max el	6798 Jul 04 10:49	19°♄33'04	27°29'45	direct	6799 Jun 02 10:09	23°♄16'23	
	6798 Jul 13 08:09	0°♄			6799 Jun 15 07:11	0°♄	
	6798 Jul 31 10:52	0°♄		morning max el	6799 Jun 16 14:46	1°♄16'18	27°54'06
morning set	6798 Aug 04 19:57	8°♄52'44			6799 Jul 07 13:30	0°♄	
asc. node	6798 Aug 05 12:53	10°♄21'43		morning set	6799 Jul 19 22:46	23°♄10'07	
				asc. node	6799 Jul 23 09:54	0°♄25'11	
superior conj	6798 Aug 11 22:37	24°♄17'40	1°01'56		6799 Jul 23 05:10	0°♄	
minimum elong	6798 Aug 11 20:25	24°♄05'30	1°01'31	max. Earth dist.	6799 Jul 25 16:37	5°♄19'59	1.32085 AU
max. Earth dist.	6798 Aug 11 08:02	22°♄57'01	1.31782 AU				
	6798 Aug 14 12:31	0°♄		superior conj	6799 Jul 27 08:49	8°♄59'30	0°39'51
evening rise	6798 Aug 18 17:11	9°♄07'11		minimum elong	6799 Jul 27 07:08	8°♄50'14	0°39'27
	6798 Aug 29 10:12	0°♄		evening rise	6799 Aug 03 04:25	23°♄52'28	
desc. node	6798 Sep 09 23:49	17°♄22'25			6799 Aug 06 02:30	0°♄	
evening max el	6798 Sep 16 04:05	24°♄11'37	26°04'57		6799 Aug 24 05:40	0°♄	
	6798 Sep 24 09:24	0°♄		desc. node	6799 Aug 27 20:50	4°♄02'34	
retrograde	6798 Sep 30 02:55	1°♄17'23		evening max el	6799 Aug 28 19:05	4°♄57'22	24°40'10
	6798 Oct 05 18:43	30°♄		retrograde	6799 Sep 11 15:21	11°♄55'27	
evening set	6798 Oct 06 12:52	29°♄38'32		evening set	6799 Sep 16 22:00	10°♄53'11	
min. Earth dist.	6798 Oct 10 17:02	27°♄03'37	0.58749 AU	min. Earth dist.	6799 Sep 22 06:15	8°♄05'43	0.56840 AU
inferior conj	6798 Oct 13 21:34	24°♄42'18	-4°58'36	inferior conj	6799 Sep 24 23:30	6°♄20'51	-5°26'14
minimum elong	6798 Oct 14 03:27	24°♄31'22	4°57'34	minimum elong	6799 Sep 25 00:49	6°♄18'45	5°26'11
morning rise	6798 Oct 21 20:18	20°♄14'57		morning rise	6799 Oct 03 05:50	2°♄15'30	
direct	6798 Oct 24 04:19	19°♄56'48		direct	6799 Oct 05 20:17	1°♄56'46	
morning max el	6798 Nov 01 08:00	23°♄53'33	18°31'43	morning max el	6799 Oct 15 06:13	6°♄23'11	19°24'59
asc. node	6798 Nov 01 12:14	24°♄03'51		asc. node	6799 Oct 19 09:15	11°♄05'42	
	6798 Nov 06 07:58	0°♄			6799 Oct 30 10:47	0°♄	
morning set	6798 Nov 17 09:49	19°♄35'14		morning set	6799 Nov 01 11:23	4°♄01'22	
	6798 Nov 22 19:31	0°♄					
superior conj	6798 Nov 26 06:59	6°♄33'27	1°12'38	superior conj	6799 Nov 09 12:19	20°♄04'07	1°30'42
minimum elong	6798 Nov 26 10:31	6°♄49'56	1°12'15	minimum elong	6799 Nov 09 14:51	20°♄16'31	1°30'33
max. Earth dist.	6798 Dec 03 16:19	19°♄51'08	1.40160 AU		6799 Nov 14 17:12	0°♄	
desc. node	6798 Dec 06 22:57	25°♄27'13		max. Earth dist.	6799 Nov 15 21:45	2°♄11'44	1.38024 AU
evening rise	6798 Dec 07 22:10	27°♄04'27		evening rise	6799 Nov 19 15:33	8°♄54'58	
	6798 Dec 09 16:37	0°♄		desc. node	6799 Nov 23 19:58	16°♄06'09	
	6798 Dec 29 16:02	0°♄			6799 Dec 02 12:31	0°♄	
evening max el	6799 Jan 11 16:28	15°♄46'56	23°47'37	evening max el	6799 Dec 25 05:33	29°♄32'01	25°04'46
retrograde	6799 Jan 22 13:35	22°♄11'34			6799 Dec 25 17:04	0°♄	
evening set	6799 Jan 27 17:28	20°♄02'53		retrograde	6800 Jan 06 02:45	6°♄25'00	
asc. node	6799 Jan 28 11:28	19°♄22'05		evening set	6800 Jan 11 19:48	4°♄02'44	
min. Earth dist.	6799 Feb 01 12:56	14°♄27'47	0.68123 AU	asc. node	6800 Jan 15 08:31	0°♄15'51	
inferior conj	6799 Feb 02 04:09	13°♄35'58	1°30'31		6800 Jan 15 13:33	30°♄	
minimum elong	6799 Feb 02 02:15	13°♄42'24	1°29'52	min. Earth dist.	6800 Jan 16 07:36	29°♄02'06	0.67597 AU
morning rise	6799 Feb 07 11:01	7°♄31'40		inferior conj	6800 Jan 17 09:59	27°♄35'50	0°41'08
direct	6799 Feb 11 12:59	5°♄57'37		minimum elong	6800 Jan 17 09:00	27°♄39'05	0°40'47
morning max el	6799 Feb 19 15:09	10°♄35'23	20°39'56	morning rise	6800 Jan 22 22:25	21°♄38'49	
desc. node	6799 Mar 04 22:17	27°♄37'02		direct	6800 Jan 26 11:49	20°♄25'57	
	6799 Mar 06 13:50	0°♄		morning max el	6800 Feb 02 17:27	24°♄28'10	19°33'26
morning set	6799 Mar 20 22:56	21°♄41'54			6800 Feb 07 11:56	0°♄	
	6799 Mar 26 05:37	0°♄		greatest brilliancy	6800 Feb 15 14:51	11°♄25'39	-0.7m
max. Earth dist.	6799 Mar 29 15:16	5°♄27'26	1.43211 AU	desc. node	6800 Feb 19 19:16	17°♄42'05	
				morning set	6800 Feb 27 20:02	29°♄59'22	
superior conj	6799 Apr 05 07:19	16°♄25'57	-2°09'40		6800 Feb 27 20:12	0°♄	
				max. Earth dist.	6800 Mar 11 04:07	19°♄14'38	1.44613 AU

superior conj	6800 Mar 15 09:50	25°  59'59	-2°06'22			6801 Feb 19 15:46	0° 	
minimum elong	6800 Mar 15 05:18	25°  41'45	2°06'11	max. Earth dist.		6801 Feb 21 21:49	3°  31'44	1.45341 AU
	6800 Mar 17 21:24	0° 						
evening rise	6800 Mar 29 06:55	18°  49'30		superior conj		6801 Feb 22 17:22	4°  48'23	-1°43'01
	6800 Apr 04 22:50	0° 		minimum elong		6801 Feb 22 07:59	4°  11'34	1°42'10
asc. node	6800 Apr 12 07:41	11°  32'51		evening rise		6801 Mar 10 04:25	29°  18'31	
evening max el	6800 Apr 16 23:22	17°  16'02	18°16'28			6801 Mar 10 14:45	0° 	
retrograde	6800 Apr 23 08:54	20°  40'57		greatest brilliancy		6801 Mar 17 15:50	11°  17'40	-0.9m
evening set	6800 Apr 26 08:19	19°  53'25		asc. node		6801 Mar 30 04:43	29°  17'40	-0.9m
inferior conj	6800 May 02 07:26	14°  31'07	3°20'21			6801 Mar 30 17:03	0° 	
minimum elong	6800 May 02 08:48	14°  27'15	3°20'10	evening max el		6801 Mar 31 10:38	0°  46'06	18°45'06
min. Earth dist.	6800 May 04 19:20	11°  43'03	0.63699 AU	retrograde		6801 Apr 07 02:20	4°  27'17	
morning rise	6800 May 08 08:12	8°  19'55		evening set		6801 Apr 10 08:38	3°  26'19	
direct	6800 May 15 03:10	5°  39'01				6801 Apr 14 03:25	30°  17'00	
desc. node	6800 May 17 18:39	6°  00'49		inferior conj		6801 Apr 15 23:50	27°  46'58	3°27'50
morning max el	6800 May 28 23:14	13°  39'17	27°40'57	minimum elong		6801 Apr 15 23:46	27°  47'12	3°27'47
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morning set	6800 Jul 02 18:24	7°  03'19		direct		6801 Apr 28 03:43	18°  42'53	
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asc. node	6800 Jul 09 06:54	20°  31'31		morning max el		6801 May 11 09:38	26°  32'26	26°54'57
						6801 May 14 14:45	0° 	
superior conj	6800 Jul 10 15:35	23°  06'29	0°13'59			6801 Jun 04 17:31	0° 	
minimum elong	6800 Jul 10 14:55	23°  02'50	0°13'46	morning set		6801 Jun 16 03:54	20°  12'40	
behind sun begin	6800 Jul 10 12:11	23°  08'10		max. Earth dist.		6801 Jun 20 12:08	28°  12'40	1.34072 AU
behind sun end	6800 Jul 10 17:39	23°  03'31				6801 Jun 21 00:49	0° 	
	6800 Jul 13 16:24	0° 						
evening rise	6800 Jul 17 16:07	8°  35'07		superior conj		6801 Jun 24 16:49	7°  32'47	-0°14'55
	6800 Jul 28 19:05	0° 		minimum elong		6801 Jun 24 17:37	7°  37'00	0°14'48
evening max el	6800 Aug 09 06:54	15°  14'55	23°02'11	behind sun begin		6801 Jun 24 15:25	7°  25'30	
desc. node	6800 Aug 13 17:52	18°  15'58		behind sun end		6801 Jun 24 19:49	7°  48'31	
retrograde	6800 Aug 22 15:21	21°  15'28		asc. node		6801 Jun 26 03:56	10°  37'00	
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min. Earth dist.	6800 Sep 02 15:33	18°  10'42	0.55402 AU			6801 Jul 05 10:17	0° 	
inferior conj	6800 Sep 04 05:57	17°  12'12	-5°10'34	evening max el		6801 Jul 22 00:18	25°  39'56	21°27'31
minimum elong	6800 Sep 04 00:13	17°  20'30	5°09'50			6801 Jul 27 17:17	0° 	
morning rise	6800 Sep 12 16:53	13°  12'01		desc. node		6801 Jul 31 14:55	1°  26'57	
direct	6800 Sep 15 17:16	13°  10'35		retrograde		6801 Aug 03 05:50	1°  43'27	
morning max el	6800 Sep 26 16:13	18°  07'05	20°40'30	evening set		6801 Aug 05 17:06	1°  29'28	
asc. node	6800 Oct 05 06:16	29°  02'19				6801 Aug 10 05:48	30°  17'00	
	6800 Oct 05 20:35	0° 		inferior conj		6801 Aug 15 00:03	27°  30'21	-4°01'15
morning set	6800 Oct 15 18:26	18°  42'14		minimum elong		6801 Aug 14 14:48	27°  43'18	3°58'43
	6800 Oct 21 05:08	0° 		min. Earth dist.		6801 Aug 15 00:56	27°  29'06	0.54748 AU
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superior conj	6800 Oct 23 05:45	4°  09'51	1°40'11	direct		6801 Aug 27 02:23	23°  11'03	
minimum elong	6800 Oct 23 06:52	4°  15'33	1°40'12	morning max el		6801 Sep 08 14:21	29°  05'21	22°15'02
max. Earth dist.	6800 Oct 28 05:44	14°  08'29	1.36014 AU			6801 Sep 09 13:03	0° 	
evening rise	6800 Nov 01 04:33	21°  18'32		asc. node		6801 Sep 22 03:16	17°  14'52	
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desc. node	6800 Nov 09 17:00	6°  35'19		morning set		6801 Sep 30 04:42	3°  30'59	
	6800 Nov 25 09:04	0° 						
evening max el	6800 Dec 06 18:25	13°  16'58	26°11'45	superior conj		6801 Oct 07 07:33	18°  39'15	1°42'15
retrograde	6800 Dec 19 11:04	20°  28'05		minimum elong		6801 Oct 07 07:18	18°  37'57	1°42'16
evening set	6800 Dec 25 17:04	17°  55'13		max. Earth dist.		6801 Oct 10 20:36	26°  02'36	1.34323 AU
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inferior conj	6800 Dec 31 11:49	11°  33'14	-0°14'59	evening rise		6801 Oct 15 09:09	5°  10'42	
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transit middle	6800 Dec 31 12:13	11°  32'00	0°14'45			6801 Oct 29 13:50	0° 	
transit begin	6800 Dec 31 11:04	11°  35'32		evening max el		6801 Nov 19 07:17	26°  53'44	27°01'19
transit end	6800 Dec 31 13:21	11°  28'28				6801 Nov 22 20:39	0° 	
asc. node	6801 Jan 01 05:33	10°  38'57		retrograde		6801 Dec 02 13:51	4°  12'48	
morning rise	6801 Jan 06 08:00	5°  45'45		evening set		6801 Dec 09 07:10	1°  34'46	
direct	6801 Jan 09 10:27	4°  51'06				6801 Dec 11 02:05	30°  17'00	
morning max el	6801 Jan 16 03:10	8°  30'10	18°42'26	min. Earth dist.		6801 Dec 13 06:00	27°  43'45	0.65454 AU
	6801 Jan 31 12:51	0° 		inferior conj		6801 Dec 15 07:28	25°  23'06	-1°16'51
desc. node	6801 Feb 05 16:15	8°  04'16		minimum elong		6801 Dec 15 09:42	25°  16'44	1°15'51
morning set	6801 Feb 06 09:50	9°  13'22		asc. node		6801 Dec 19 02:35	21°  27'39	







































































































































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direct	6801 Dec 24 06:48	19°  07'27	morning max el	6802 Dec 14 11:05	6°  33'50	17°50'31
morning max el	6801 Dec 30 17:59	22°  34'24	18°07'54	6802 Dec 29 23:37	0° 	
	6802 Jan 05 16:03	0° 	morning set	6802 Dec 31 03:13	1°  58'14	
morning set	6802 Jan 18 04:41	19°  55'11	desc. node	6803 Jan 10 10:19	19°  19'57	
desc. node	6802 Jan 23 13:16	28°  38'09				
	6802 Jan 24 09:32	0° 	superior conj	6803 Jan 12 21:24	23°  22'04	-0°17'32
			minimum elong	6803 Jan 12 19:27	23°  14'05	0°17'11
superior conj	6802 Feb 01 22:57	13°  38'58	-1°03'18	6803 Jan 17 00:02	0° 	
minimum elong	6802 Feb 01 15:27	13°  09'22	1°02'18	6803 Jan 18 11:34	2°  21'36	1.44600 AU
max. Earth dist.	6802 Feb 04 17:06	17°  59'11	1.45333 AU	6803 Jan 28 15:45	18°  14'11	
	6802 Feb 12 09:46	0° 		6803 Feb 05 09:31	0° 	
evening rise	6802 Feb 18 04:12	8°  57'34		evening max el	6803 Feb 25 20:11	27°  56'17
greatest brilliancy	6802 Mar 02 20:24	28°  26'48	-0.7m		6803 Feb 28 01:26	0° 
	6802 Mar 03 21:20	0° 		asc. node	6803 Mar 03 22:49	2°  19'51
evening max el	6802 Mar 14 17:58	14°  20'02	19°30'41	retrograde	6803 Mar 05 21:51	2°  39'55
asc. node	6802 Mar 17 01:47	16°  26'03		evening set	6803 Mar 09 20:44	1°  10'02
retrograde	6802 Mar 21 23:30	18°  28'21			6803 Mar 11 04:31	30° 
evening set	6802 Mar 25 13:28	17°  13'16		inferior conj	6803 Mar 15 04:50	25°  02'35
inferior conj	6802 Mar 30 23:52	11°  18'48	3°20'37	minimum elong	6803 Mar 15 02:50	25°  09'26
minimum elong	6802 Mar 30 22:37	11°  22'53	3°20'29	min. Earth dist.	6803 Mar 15 20:25	24°  09'17
min. Earth dist.	6802 Apr 01 05:19	9°  41'57	0.66798 AU	morning rise	6803 Mar 20 08:42	18°  47'41
morning rise	6802 Apr 05 07:27	5°  02'17		direct	6803 Mar 25 22:56	16°  18'03
direct	6802 Apr 11 10:40	2°  18'32		morning max el	6803 Apr 06 04:09	23°  00'44
desc. node	6802 Apr 21 12:39	7°  31'01		desc. node	6803 Apr 08 09:41	25°  22'50
morning max el	6802 Apr 23 19:27	9°  42'22	25°44'22		6803 Apr 12 07:56	0° 
	6802 May 09 19:53	0° 			6803 May 03 04:25	0° 
	6802 May 28 07:17	0° 		morning set	6803 May 11 23:05	14°  39'28
morning set	6802 May 29 23:12	3°  01'02		max. Earth dist.	6803 May 15 14:45	21°  07'36
max. Earth dist.	6802 Jun 02 17:38	10°  03'26	1.35757 AU		6803 May 20 10:14	0° 
superior conj	6802 Jun 08 09:52	21°  11'16	-0°45'35	superior conj	6803 May 22 15:25	4°  13'03
minimum elong	6802 Jun 08 12:30	21°  24'30	0°45'09	minimum elong	6803 May 22 19:52	4°  34'23
	6802 Jun 12 17:39	0° 		asc. node	6803 May 30 22:02	20°  28'57
asc. node	6802 Jun 13 00:59	0°  37'42		evening rise	6803 May 31 09:41	21°  26'39
evening rise	6802 Jun 16 09:04	7°  29'07			6803 Jun 04 19:17	0° 
	6802 Jun 28 18:32	0° 		evening max el	6803 Jun 16 23:51	18°  25'00
evening max el	6802 Jul 04 05:46	6°  40'57	20°07'46	retrograde	6803 Jun 25 21:18	22°  47'28
retrograde	6802 Jul 14 19:40	11°  52'52		evening set	6803 Jun 27 20:11	22°  35'41
evening set	6802 Jul 16 17:28	11°  43'27		desc. node	6803 Jul 05 08:59	18°  25'01
desc. node	6802 Jul 18 11:56	11°  41'55		inferior conj	6803 Jul 06 05:20	18°  23'40
inferior conj	6802 Jul 25 19:27	7°  44'44	-2°11'50	minimum elong	6803 Jul 06 04:41	18°  24'47
minimum elong	6802 Jul 25 13:21	7°  53'49	2°09'39	transit middle	6803 Jul 06 04:41	18°  24'47
min. Earth dist.	6802 Jul 27 12:29	6°  43'42	0.55050 AU	transit begin	6803 Jul 06 03:24	18°  26'57
morning rise	6802 Aug 03 07:45	3°  30'00		transit end	6803 Jul 06 05:57	18°  22'36
direct	6802 Aug 07 13:51	2°  50'37		min. Earth dist.	6803 Jul 09 02:50	16°  26'09
morning max el	6802 Aug 21 04:49	9°  31'10	23°59'36	morning rise	6803 Jul 14 10:04	13°  33'58
	6802 Sep 05 06:54	0° 		direct	6803 Jul 19 13:15	12°  32'40
asc. node	6802 Sep 09 00:18	6°  17'51'09		morning max el	6803 Aug 02 18:06	19°  48'55
morning set	6802 Sep 14 16:23	18°  17'22'40			6803 Aug 11 10:23	0° 
	6802 Sep 20 01:24	0° 		asc. node	6803 Aug 26 21:20	26°  24'03
					6803 Aug 28 15:25	0° 
superior conj	6802 Sep 21 14:54	3°  23'48	1°37'53	morning set	6803 Aug 30 03:47	3°  11'21
minimum elong	6802 Sep 21 13:34	3°  16'35	1°37'48			
max. Earth dist.	6802 Sep 23 20:06	8°  10'29	1.33050 AU	superior conj	6803 Sep 06 01:25	18°  15'06
evening rise	6802 Sep 29 01:34	19°  23'38		minimum elong	6803 Sep 05 23:24	18°  03'57
	6802 Oct 04 17:12	0° 		max. Earth dist.	6803 Sep 07 02:41	20°  17'34'02
desc. node	6802 Oct 14 11:07	16°  17'39'45			6803 Sep 11 11:20	0° 
	6802 Oct 23 18:33	0° 		evening rise	6803 Sep 13 02:23	3°  24'52
evening max el	6802 Nov 01 19:17	10°  27'12'20	27°26'23		6803 Sep 27 11:37	0° 
retrograde	6802 Nov 15 10:27	17°  30'42		desc. node	6803 Oct 01 08:09	5°  15'57'53
evening set	6802 Nov 22 11:33	14°  35'53'36		evening max el	6803 Oct 15 04:10	22°  15'58'50
min. Earth dist.	6802 Nov 26 05:27	11°  37'05	0.63872 AU		6803 Oct 26 20:46	0° 
inferior conj	6802 Nov 28 18:28	8°  59'55	-2°22'40	retrograde	6803 Oct 28 23:43	0° 
minimum elong	6802 Nov 28 22:48	8°  48'44	2°20'56		6803 Oct 31 01:40	30° 
morning rise	6802 Dec 05 11:40	3°  39'21		evening set	6803 Nov 05 02:50	27°  15'49'53
asc. node	6802 Dec 05 23:36	3°  28'37		min. Earth dist.	6803 Nov 08 18:35	24°  15'58'19

inferior conj	6803 Nov 11 17:46	22° \mathbb{M} 15'25	-3°29'09	inferior conj	6804 Oct 24 01:54	5° \mathbb{M} 00'22	-4°30'03
minimum elong	6803 Nov 11 23:58	22° \mathbb{M} 01'12	3°27'04	minimum elong	6804 Oct 24 08:40	4° \mathbb{M} 46'46	4°28'25
morning rise	6803 Nov 18 23:04	17° \mathbb{M} 13'11		morning rise	6804 Oct 31 18:51	0° \mathbb{M} 19'55	
direct	6803 Nov 21 06:01	16° \mathbb{M} 50'19		direct	6804 Nov 03 01:27	0° \mathbb{M} 00'46	
asc. node	6803 Nov 22 20:38	17° \mathbb{M} 01'59		asc. node	6804 Nov 08 17:42	2° \mathbb{M} 06'50	
morning max el	6803 Nov 28 03:17	20° \mathbb{M} 20'02	17°51'08	morning max el	6804 Nov 10 15:18	3° \mathbb{M} 44'31	18°11'00
	6803 Dec 05 08:02	0° \mathbb{A}		morning set	6804 Nov 26 09:40	28° \mathbb{M} 47'16	
morning set	6803 Dec 13 22:55	15° \mathbb{A} 01'44			6804 Nov 27 01:06	0° \mathbb{A}	
	6803 Dec 22 09:12	0° \mathbb{B}					
superior conj	6803 Dec 24 21:26	4° \mathbb{B} 19'36	0°24'33	superior conj	6804 Dec 05 22:05	16° \mathbb{A} 28'03	0°57'54
minimum elong	6803 Dec 24 23:37	4° \mathbb{B} 28'56	0°24'16	minimum elong	6804 Dec 06 01:43	16° \mathbb{A} 44'24	0°57'28
desc. node	6803 Dec 28 07:22	10° \mathbb{B} 05'40		max. Earth dist.	6804 Dec 13 13:38	29° \mathbb{A} 49'37	1.41360 AU
max. Earth dist.	6804 Jan 01 03:04	16° \mathbb{B} 23'47	1.43221 AU		6804 Dec 13 16:06	0° \mathbb{B}	
evening rise	6804 Jan 08 06:14	27° \mathbb{B} 45'49		desc. node	6804 Dec 14 04:21	0° \mathbb{B} 51'37	
	6804 Jan 09 16:44	0° \mathbb{A}		evening rise	6804 Dec 18 12:47	8° \mathbb{B} 02'45	
	6804 Jan 30 04:33	0° \mathbb{H}			6805 Jan 01 19:40	0° \mathbb{A}	
evening max el	6804 Feb 08 17:00	11° \mathbb{H} 34'23	21°42'48	evening max el	6805 Jan 21 09:14	25° \mathbb{A} 14'07	23°01'28
retrograde	6804 Feb 17 19:29	16° \mathbb{H} 58'10			6805 Jan 27 06:42	0° \mathbb{H}	
asc. node	6804 Feb 18 19:51	16° \mathbb{H} 52'47		retrograde	6805 Jan 31 14:51	1° \mathbb{H} 18'12	
evening set	6804 Feb 22 04:41	15° \mathbb{H} 12'58		asc. node	6805 Feb 04 16:54	29° \mathbb{A} 53'53	
inferior conj	6804 Feb 27 12:30	8° \mathbb{H} 55'10	2°32'58		6805 Feb 04 13:22	30° \mathbb{R} \mathbb{A}	
minimum elong	6804 Feb 27 10:11	9° \mathbb{H} 03'13	2°32'21	evening set	6805 Feb 05 11:40	29° \mathbb{A} 17'40	
min. Earth dist.	6804 Feb 27 15:23	8° \mathbb{H} 45'06	0.68191 AU	inferior conj	6805 Feb 10 20:53	22° \mathbb{A} 52'49	1°55'37
morning rise	6804 Mar 03 15:31	2° \mathbb{H} 43'23		minimum elong	6805 Feb 10 18:42	23° \mathbb{A} 00'21	1°54'55
direct	6804 Mar 08 15:30	0° \mathbb{H} 33'57		min. Earth dist.	6805 Feb 10 12:02	23° \mathbb{A} 23'20	0.68260 AU
morning max el	6804 Mar 18 14:00	6° \mathbb{H} 26'29	22°49'35	morning rise	6805 Feb 16 01:39	16° \mathbb{A} 45'29	
desc. node	6804 Mar 25 06:42	14° \mathbb{H} 08'59		direct	6805 Feb 20 11:22	14° \mathbb{A} 58'43	
	6804 Apr 05 19:00	0° \mathbb{Y}		morning max el	6805 Mar 01 04:27	20° \mathbb{A} 01'42	21°24'22
morning set	6804 Apr 21 21:51	25° \mathbb{Y} 05'22			6805 Mar 09 12:46	0° \mathbb{H}	
	6804 Apr 24 20:20	0° \mathbb{B}		desc. node	6805 Mar 12 03:41	3° \mathbb{H} 33'39	
max. Earth dist.	6804 Apr 26 11:04	2° \mathbb{B} 44'48	1.40054 AU		6805 Mar 29 23:59	0° \mathbb{Y}	
superior conj	6804 May 04 05:21	16° \mathbb{B} 28'30	-1°43'38	morning set	6805 Apr 01 16:33	4° \mathbb{Y} 13'22	
minimum elong	6804 May 04 10:48	16° \mathbb{B} 53'19	1°43'06	max. Earth dist.	6805 Apr 08 12:27	15° \mathbb{Y} 14'11	1.42162 AU
	6804 May 11 11:13	0° \mathbb{H}		superior conj	6805 Apr 15 22:45	27° \mathbb{Y} 45'40	-2°03'42
evening rise	6804 May 14 01:08	4° \mathbb{H} 54'35		minimum elong	6805 Apr 16 02:58	28° \mathbb{Y} 03'54	2°03'30
asc. node	6804 May 16 19:04	10° \mathbb{H} 06'32			6805 Apr 17 05:44	0° \mathbb{B}	
	6804 May 29 09:10	0° \mathbb{B}		evening rise	6805 Apr 27 03:31	17° \mathbb{B} 42'59	
evening max el	6804 May 30 03:47	0° \mathbb{B} 47'45	18°27'55	asc. node	6805 May 03 16:05	29° \mathbb{B} 24'39	
retrograde	6804 Jun 06 17:58	4° \mathbb{B} 34'11			6805 May 04 00:16	0° \mathbb{H}	
evening set	6804 Jun 08 23:17	4° \mathbb{B} 15'45		evening max el	6805 May 13 13:54	13° \mathbb{H} 40'06	18°08'21
	6804 Jun 16 04:18	30° \mathbb{R} \mathbb{H}		retrograde	6805 May 20 08:37	17° \mathbb{H} 06'34	
inferior conj	6804 Jun 16 12:24	29° \mathbb{H} 43'53	1°21'06	evening set	6805 May 22 21:07	16° \mathbb{H} 38'25	
minimum elong	6804 Jun 16 15:02	29° \mathbb{H} 38'37	1°20'10	inferior conj	6805 May 29 16:23	11° \mathbb{H} 46'07	2°28'06
min. Earth dist.	6804 Jun 19 21:43	27° \mathbb{H} 02'57	0.58139 AU	minimum elong	6805 May 29 19:35	11° \mathbb{H} 38'41	2°27'14
desc. node	6804 Jun 21 05:59	26° \mathbb{H} 04'17		min. Earth dist.	6805 Jun 01 23:34	8° \mathbb{H} 43'37	0.60336 AU
morning rise	6804 Jun 24 03:30	24° \mathbb{H} 19'06		morning rise	6805 Jun 05 15:29	5° \mathbb{H} 55'10	
direct	6804 Jun 30 02:38	22° \mathbb{H} 47'22		desc. node	6805 Jun 08 03:00	4° \mathbb{H} 38'39	
	6804 Jul 14 00:23	0° \mathbb{B}		direct	6805 Jun 12 04:38	3° \mathbb{H} 50'37	
morning max el	6804 Jul 14 11:59	0° \mathbb{B} 27'56	26°58'56	morning max el	6805 Jun 26 12:38	11° \mathbb{H} 46'37	27°44'57
	6804 Aug 04 10:45	0° \mathbb{Q}			6805 Jul 10 20:11	0° \mathbb{B}	
asc. node	6804 Aug 12 18:23	16° \mathbb{Q} 12'58			6805 Jul 27 15:58	0° \mathbb{Q}	
morning set	6804 Aug 13 13:16	17° \mathbb{Q} 52'06		morning set	6805 Jul 28 19:06	2° \mathbb{Q} 19'43	
	6804 Aug 19 03:26	0° \mathbb{M}		asc. node	6805 Jul 30 15:24	6° \mathbb{Q} 12'23	
superior conj	6804 Aug 20 13:11	3° \mathbb{M} 06'55	1°12'44	max. Earth dist.	6805 Aug 03 23:20	15° \mathbb{Q} 35'23	1.31850 AU
minimum elong	6804 Aug 20 10:55	2° \mathbb{M} 54'20	1°12'22	superior conj	6805 Aug 05 00:27	17° \mathbb{Q} 53'46	0°53'03
max. Earth dist.	6804 Aug 20 13:02	3° \mathbb{M} 06'01	1.31815 AU	minimum elong	6805 Aug 04 22:24	17° \mathbb{Q} 42'29	0°52'38
evening rise	6804 Aug 27 08:56	18° \mathbb{M} 00'23			6805 Aug 10 12:36	0° \mathbb{M}	
	6804 Sep 02 07:04	0° \mathbb{B}		evening rise	6805 Aug 11 19:00	2° \mathbb{M} 43'32	
desc. node	6804 Sep 17 05:10	24° \mathbb{B} 30'06			6805 Aug 26 08:18	0° \mathbb{B}	
	6804 Sep 21 13:40	0° \mathbb{M}		desc. node	6805 Sep 04 02:11	11° \mathbb{B} 58'15	
evening max el	6804 Sep 26 06:56	5° \mathbb{M} 00'18	26°41'59	evening max el	6805 Sep 08 01:47	16° \mathbb{B} 11'17	25°31'31
retrograde	6804 Oct 10 04:41	12° \mathbb{M} 08'23		retrograde	6805 Sep 22 00:09	23° \mathbb{B} 15'04	
evening set	6804 Oct 17 00:40	10° \mathbb{M} 10'30		evening set	6805 Sep 28 00:15	21° \mathbb{B} 51'14	
min. Earth dist.	6804 Oct 20 20:46	7° \mathbb{M} 34'37	0.59949 AU	min. Earth dist.	6805 Oct 02 13:43	19° \mathbb{B} 13'33	0.57894 AU
				inferior conj	6805 Oct 05 15:30	17° \mathbb{B} 05'25	-5°14'29

minimum elong	6805 Oct 05 19:56	16° Ω 57'41	5°13'58			6806 Sep 13 17:21	30° \mathbb{R} \mathbb{M}	
morning rise	6805 Oct 13 17:57	12° Ω 48'14		min. Earth dist.		6806 Sep 14 01:02	29° \mathbb{M} 48'33	0.56137 AU
direct	6805 Oct 16 04:08	12° Ω 30'11		inferior conj		6806 Sep 16 08:44	28° \mathbb{M} 23'21	-5°25'58
morning max el	6805 Oct 24 19:39	16° Ω 37'57	18°51'44	minimum elong		6806 Sep 16 07:06	28° \mathbb{M} 25'53	5°25'54
asc. node	6805 Oct 26 14:44	18° Ω 30'54		morning rise		6806 Sep 24 17:19	24° \mathbb{M} 25'51	
	6805 Nov 03 09:05	0° \mathbb{M}		direct		6806 Sep 27 11:21	24° \mathbb{M} 06'24	
morning set	6805 Nov 10 06:53	13° \mathbb{M} 02'01		morning max el		6806 Oct 07 12:56	28° \mathbb{M} 49'12	19°54'34
						6806 Oct 08 17:27	0° Ω	
superior conj	6805 Nov 18 18:32	29° \mathbb{M} 33'58	1°21'24	asc. node		6806 Oct 13 11:45	5° Ω 57'49	
minimum elong	6805 Nov 18 21:45	29° \mathbb{M} 49'14	1°21'07	morning set		6806 Oct 25 11:06	27° Ω 35'11	
	6805 Nov 19 00:01	0° \mathbb{X}				6806 Oct 26 15:35	0° \mathbb{M}	
max. Earth dist.	6805 Nov 25 19:43	12° \mathbb{X} 31'56	1.39245 AU					
evening rise	6805 Nov 29 17:31	19° \mathbb{X} 19'58		superior conj		6806 Nov 02 05:33	13° \mathbb{M} 21'13	1°35'41
desc. node	6805 Dec 01 01:22	21° \mathbb{X} 34'46		minimum elong		6806 Nov 02 07:30	13° \mathbb{M} 30'57	1°35'37
	6805 Dec 06 04:37	0° \mathbb{Z}		max. Earth dist.		6806 Nov 08 01:09	24° \mathbb{M} 38'10	1.37134 AU
	6805 Dec 27 01:38	0° \approx				6806 Nov 10 22:48	0° \mathbb{X}	
evening max el	6806 Jan 03 22:48	8° \approx 57'34	24°21'04	evening rise		6806 Nov 11 19:44	1° \mathbb{X} 34'37	
retrograde	6806 Jan 15 06:46	15° \approx 36'06		desc. node		6806 Nov 17 22:23	12° \mathbb{X} 10'20	
evening set	6806 Jan 20 16:12	13° \approx 21'12				6806 Nov 29 08:12	0° \mathbb{Z}	
asc. node	6806 Jan 22 13:56	11° \approx 27'54		evening max el		6806 Dec 17 11:40	22° \mathbb{Z} 43'29	25°34'54
min. Earth dist.	6806 Jan 25 08:10	8° \approx 00'44	0.67947 AU	retrograde		6806 Dec 29 18:08	29° \mathbb{Z} 46'06	
inferior conj	6806 Jan 26 04:12	6° \approx 53'26	1°10'28	evening set		6807 Jan 04 16:37	27° \mathbb{Z} 18'59	
minimum elong	6806 Jan 26 02:38	6° \approx 58'42	1°09'54	min. Earth dist.		6807 Jan 09 01:27	22° \mathbb{Z} 32'54	0.67262 AU
morning rise	6806 Jan 31 13:11	0° \approx 52'02		asc. node		6807 Jan 09 10:59	22° \mathbb{Z} 02'35	
	6806 Feb 01 24:00	30° \mathbb{R} \mathbb{Z}		inferior conj		6807 Jan 10 08:37	20° \mathbb{Z} 53'16	0°18'09
direct	6806 Feb 04 09:31	29° \mathbb{Z} 27'30		minimum elong		6807 Jan 10 08:09	20° \mathbb{Z} 54'45	0°18'00
	6806 Feb 06 21:50	0° \approx		morning rise		6807 Jan 16 00:04	14° \mathbb{Z} 59'46	
morning max el	6806 Feb 12 02:14	3° \approx 48'56	20°09'47	direct		6807 Jan 19 08:31	13° \mathbb{Z} 55'08	
desc. node	6806 Feb 27 00:41	23° \approx 26'37		morning max el		6807 Jan 26 07:52	17° \mathbb{Z} 46'25	19°09'39
	6806 Mar 03 10:20	0° \mathbb{H}				6807 Feb 04 20:39	0° \approx	
morning set	6806 Mar 11 15:16	12° \mathbb{H} 30'46		greatest brilliancy		6807 Feb 08 21:25	6° \approx 00'11	-0.7m
max. Earth dist.	6806 Mar 21 20:48	28° \mathbb{H} 34'44	1.43883 AU	desc. node		6807 Feb 13 21:41	13° \approx 39'56	
	6806 Mar 22 18:05	0° \mathbb{Y}		morning set		6807 Feb 18 16:50	21° \approx 05'03	
						6807 Feb 24 10:31	0° \mathbb{H}	
superior conj	6806 Mar 27 15:37	7° \mathbb{Y} 57'04	-2°10'36	max. Earth dist.		6807 Mar 04 11:32	12° \mathbb{H} 35'11	1.45014 AU
minimum elong	6806 Mar 27 15:02	7° \mathbb{Y} 54'40	2°10'36					
evening rise	6806 Apr 09 12:18	29° \mathbb{Y} 41'56		superior conj		6807 Mar 07 08:44	17° \mathbb{H} 08'21	-1°58'53
	6806 Apr 09 16:29	0° \mathbb{B}		minimum elong		6807 Mar 07 01:30	16° \mathbb{H} 39'43	1°58'27
asc. node	6806 Apr 20 13:07	18° \mathbb{B} 16'48				6807 Mar 15 09:35	0° \mathbb{Y}	
evening max el	6806 Apr 27 02:48	26° \mathbb{B} 53'25	18°08'09	evening rise		6807 Mar 21 23:17	10° \mathbb{Y} 43'56	
	6806 May 01 20:05	0° \mathbb{I}				6807 Apr 02 20:09	0° \mathbb{B}	
retrograde	6806 May 03 12:57	0° \mathbb{I} 14'54		asc. node		6807 Apr 07 10:08	6° \mathbb{B} 34'40	
	6806 May 05 05:54	30° \mathbb{R} \mathbb{B}		evening max el		6807 Apr 10 15:29	10° \mathbb{B} 19'50	18°26'33
evening set	6806 May 06 08:23	29° \mathbb{B} 34'55		retrograde		6807 Apr 17 02:37	13° \mathbb{B} 49'59	
inferior conj	6806 May 12 13:44	24° \mathbb{B} 23'25	3°07'46	evening set		6807 Apr 20 04:54	12° \mathbb{B} 56'53	
minimum elong	6806 May 12 15:56	24° \mathbb{B} 17'35	3°07'22	inferior conj		6807 Apr 26 00:16	7° \mathbb{B} 27'25	3°25'30
min. Earth dist.	6806 May 15 10:04	21° \mathbb{B} 23'44	0.62535 AU	minimum elong		6807 Apr 26 01:01	7° \mathbb{B} 25'14	3°25'25
morning rise	6806 May 18 21:52	18° \mathbb{B} 17'04		min. Earth dist.		6807 Apr 28 05:47	4° \mathbb{B} 50'52	0.64497 AU
direct	6806 May 25 17:05	15° \mathbb{B} 45'53		morning rise		6807 May 01 20:16	1° \mathbb{B} 13'48	
desc. node	6806 May 26 00:01	15° \mathbb{B} 46'08				6807 May 03 12:55	30° \mathbb{R} \mathbb{Y}	
morning max el	6806 Jun 08 18:55	23° \mathbb{B} 48'08	27°52'52	direct		6807 May 08 13:45	28° \mathbb{Y} 27'51	
	6806 Jun 14 08:16	0° \mathbb{I}		desc. node		6807 May 12 21:02	29° \mathbb{Y} 25'49	
	6806 Jul 04 03:56	0° \mathbb{E}				6807 May 14 01:36	0° \mathbb{B}	
morning set	6806 Jul 12 19:09	16° \mathbb{E} 27'43		morning max el		6807 May 22 04:21	6° \mathbb{B} 25'17	27°24'51
asc. node	6806 Jul 17 12:24	26° \mathbb{E} 17'31				6807 Jun 09 05:22	0° \mathbb{I}	
max. Earth dist.	6806 Jul 18 05:39	27° \mathbb{E} 49'57	1.32342 AU	morning set		6807 Jun 26 10:54	0° \mathbb{E} 08'47	
	6806 Jul 19 05:47	0° Ω				6807 Jun 26 09:06	0° \mathbb{E}	
				max. Earth dist.		6807 Jul 01 04:17	9° \mathbb{E} 40'02	1.33305 AU
superior conj	6806 Jul 20 09:25	2° Ω 29'55	0°29'17	asc. node		6807 Jul 04 09:24	16° \mathbb{E} 24'26	
minimum elong	6806 Jul 20 08:06	2° Ω 22'44	0°28'57					
evening rise	6806 Jul 27 06:38	17° Ω 28'02		superior conj		6807 Jul 04 14:10	16° \mathbb{E} 49'42	0°02'03
	6806 Aug 02 09:59	0° \mathbb{M}		minimum elong		6807 Jul 04 14:03	16° \mathbb{E} 49'08	0°01'58
evening max el	6806 Aug 20 14:27	26° \mathbb{M} 41'03	23°59'12	behind sun begin		6807 Jul 04 08:37	16° \mathbb{E} 20'14	
desc. node	6806 Aug 21 23:13	27° \mathbb{M} 56'38		behind sun end		6807 Jul 04 19:30	17° \mathbb{E} 18'06	
	6806 Aug 24 13:05	0° Ω				6807 Jul 10 17:46	0° Ω	
retrograde	6806 Sep 03 07:48	3° Ω 34'21		evening rise		6807 Jul 11 17:59	2° Ω 08'24	
evening set	6806 Sep 07 23:11	2° Ω 46'53				6807 Jul 27 05:37	0° \mathbb{M}	

evening max el	6807 Aug 02 03:48	6° \mathbb{M} 58'31	22°20'46	evening max el	6808 Jul 14 01:52	17° Ω 36'19	20°51'17
desc. node	6807 Aug 08 20:15	11° \mathbb{M} 53'45		retrograde	6808 Jul 25 15:01	23° Ω 18'22	
retrograde	6807 Aug 15 02:47	13° \mathbb{M} 25'09		desc. node	6808 Jul 25 17:19	23° Ω 18'21	
evening set	6807 Aug 18 06:11	13° \mathbb{M} 03'25		evening set	6808 Jul 27 18:36	23° Ω 07'19	
min. Earth dist.	6807 Aug 26 10:16	9° \mathbb{M} 30'00	0.55013 AU	inferior conj	6808 Aug 06 01:22	19° Ω 10'13	-3°17'54
inferior conj	6807 Aug 27 08:40	8° \mathbb{M} 58'24	-4°47'38	minimum elong	6808 Aug 05 16:46	19° Ω 22'25	3°15'10
minimum elong	6807 Aug 27 00:38	9° \mathbb{M} 09'44	4°46'04	min. Earth dist.	6808 Aug 06 20:00	18° Ω 43'45	0.54764 AU
morning rise	6807 Sep 04 20:49	5° \mathbb{M} 09'30		morning rise	6808 Aug 14 14:59	15° Ω 11'07	
direct	6807 Sep 08 02:18	4° \mathbb{M} 46'00		direct	6808 Aug 18 10:52	14° Ω 39'44	
morning max el	6807 Sep 19 17:32	10° \mathbb{M} 12'49	21°18'44	morning max el	6808 Aug 31 11:29	20° Ω 53'47	22°59'07
asc. node	6807 Sep 30 08:47	24° \mathbb{M} 13'52			6808 Sep 08 05:21	0° \mathbb{M}	
	6807 Oct 03 14:49	0° Ω		asc. node	6808 Sep 16 05:49	13° \mathbb{M} 06'58	
morning set	6807 Oct 09 19:46	12° Ω 19'59		morning set	6808 Sep 23 06:50	27° \mathbb{M} 10'30	
					6808 Sep 24 14:46	0° Ω	
superior conj	6807 Oct 17 02:55	27° Ω 37'52	1°41'54	superior conj	6808 Sep 30 07:21	12° Ω 14'14	1°41'08
minimum elong	6807 Oct 17 03:26	27° Ω 40'33	1°41'56	minimum elong	6808 Sep 30 06:36	12° Ω 10'13	1°41'07
	6807 Oct 18 06:26	0° \mathbb{M}		max. Earth dist.	6808 Oct 03 06:30	18° Ω 30'58	1.33729 AU
max. Earth dist.	6807 Oct 21 11:40	6° \mathbb{M} 31'04	1.35251 AU	evening rise	6808 Oct 08 01:56	28° Ω 18'35	
evening rise	6807 Oct 25 15:54	14° \mathbb{M} 37'43			6808 Oct 08 22:35	0° \mathbb{M}	
	6807 Nov 03 06:31	0° \mathbb{M}		desc. node	6808 Oct 21 16:28	22° \mathbb{M} 38'26	
desc. node	6807 Nov 04 19:25	2° \mathbb{M} 33'32			6808 Oct 26 11:06	0° \mathbb{M}	
	6807 Nov 24 01:28	0° \mathbb{M}		evening max el	6808 Nov 11 13:39	19° \mathbb{M} 57'44	27°15'26
evening max el	6807 Nov 30 00:49	6° \mathbb{M} 26'49	26°35'28	retrograde	6808 Nov 25 00:06	27° \mathbb{M} 16'32	
retrograde	6807 Dec 13 00:05	13° \mathbb{M} 41'58		evening set	6808 Dec 01 21:25	24° \mathbb{M} 38'40	
evening set	6807 Dec 19 11:06	11° \mathbb{M} 06'30		min. Earth dist.	6808 Dec 05 17:59	21° \mathbb{M} 02'03	0.64820 AU
min. Earth dist.	6807 Dec 23 13:29	6° \mathbb{M} 55'25	0.66216 AU	inferior conj	6808 Dec 08 00:25	18° \mathbb{M} 33'29	-1°44'26
inferior conj	6807 Dec 25 08:06	4° \mathbb{M} 48'16	-0°40'35	minimum elong	6808 Dec 08 03:32	18° \mathbb{M} 24'57	1°43'05
minimum elong	6807 Dec 25 09:14	4° \mathbb{M} 44'53	0°40'02	asc. node	6808 Dec 13 05:06	13° \mathbb{M} 44'49	
asc. node	6807 Dec 27 08:02	2° \mathbb{M} 29'37		morning rise	6808 Dec 14 10:58	13° \mathbb{M} 03'58	
	6807 Dec 29 23:03	30° \mathbb{M} 29'37		direct	6808 Dec 17 01:21	12° \mathbb{M} 28'34	
morning rise	6807 Dec 31 08:11	29° \mathbb{M} 05'16		morning max el	6808 Dec 23 12:08	15° \mathbb{M} 52'58	17°58'28
direct	6808 Jan 03 06:35	28° \mathbb{M} 17'07			6809 Jan 02 16:11	0° \mathbb{M}	
	6808 Jan 07 17:24	0° \mathbb{M}		morning set	6809 Jan 10 01:55	12° \mathbb{M} 15'17	
morning max el	6808 Jan 09 19:59	1° \mathbb{M} 49'44	18°25'38	desc. node	6809 Jan 17 15:44	24° \mathbb{M} 45'57	
	6808 Jan 29 04:32	0° \approx			6809 Jan 20 21:11	0° \approx	
morning set	6808 Jan 29 18:33	0° \approx 55'57		superior conj	6809 Jan 23 23:52	4° \approx 59'26	-0°43'58
desc. node	6808 Jan 31 18:42	4° \approx 07'52		minimum elong	6809 Jan 23 18:38	4° \approx 38'33	0°43'11
superior conj	6808 Feb 14 12:56	25° \approx 51'01	-1°27'39	max. Earth dist.	6809 Jan 28 02:30	11° \approx 30'19	1.45107 AU
minimum elong	6808 Feb 14 03:31	25° \approx 14'06	1°26'36		6809 Feb 08 23:47	0° \mathbb{M}	
max. Earth dist.	6808 Feb 15 06:32	26° \approx 59'58	1.45436 AU	evening rise	6809 Feb 09 04:04	0° \mathbb{M} 16'30	
	6808 Feb 17 04:31	0° \mathbb{M}		greatest brilliancy	6809 Feb 23 10:38	21° \mathbb{M} 55'26	-0.6m
evening rise	6808 Mar 01 10:57	20° \mathbb{M} 49'56			6809 Mar 01 02:54	0° \mathbb{Y}	
	6808 Mar 07 06:24	0° \mathbb{Y}		evening max el	6809 Mar 07 06:41	7° \mathbb{Y} 28'27	19°54'36
greatest brilliancy	6808 Mar 11 09:02	6° \mathbb{Y} 26'00	-0.8m	asc. node	6809 Mar 11 04:15	10° \mathbb{Y} 41'55	
evening max el	6808 Mar 24 01:23	23° \mathbb{Y} 52'40	19°02'32	retrograde	6809 Mar 14 19:57	11° \mathbb{Y} 50'51	
asc. node	6808 Mar 24 07:12	24° \mathbb{Y} 07'14		evening set	6809 Mar 18 13:38	10° \mathbb{Y} 29'21	
retrograde	6808 Mar 30 21:54	27° \mathbb{Y} 43'44		inferior conj	6809 Mar 23 22:45	4° \mathbb{Y} 28'50	3°13'52
evening set	6808 Apr 03 07:28	26° \mathbb{Y} 36'41		minimum elong	6809 Mar 23 21:08	4° \mathbb{Y} 34'15	3°13'39
inferior conj	6808 Apr 08 20:17	20° \mathbb{Y} 50'44	3°26'19	min. Earth dist.	6809 Mar 24 22:02	3° \mathbb{Y} 10'43	0.67243 AU
minimum elong	6808 Apr 08 19:40	20° \mathbb{Y} 52'42	3°26'16		6809 Mar 27 10:46	30° \mathbb{M}	
min. Earth dist.	6808 Apr 10 10:13	18° \mathbb{Y} 50'20	0.66085 AU	morning rise	6809 Mar 29 04:24	28° \mathbb{M} 12'53	
morning rise	6808 Apr 14 07:28	14° \mathbb{Y} 34'35		direct	6809 Apr 04 02:15	25° \mathbb{M} 34'31	
direct	6808 Apr 20 17:04	11° \mathbb{Y} 46'58			6809 Apr 13 03:03	0° \mathbb{Y}	
desc. node	6808 Apr 28 18:05	15° \mathbb{Y} 07'25		desc. node	6809 Apr 15 15:06	2° \mathbb{Y} 19'44	
morning max el	6808 May 03 14:32	19° \mathbb{Y} 26'34	26°27'19	morning max el	6809 Apr 15 24:00	2° \mathbb{Y} 42'03	25°09'19
	6808 May 12 14:07	0° \mathbb{M}			6809 May 06 17:54	0° \mathbb{M}	
	6808 Jun 01 06:52	0° \mathbb{M}		morning set	6809 May 22 02:36	25° \mathbb{M} 26'21	
morning set	6808 Jun 08 14:51	13° \mathbb{M} 12'14			6809 May 24 14:53	0° \mathbb{M}	
max. Earth dist.	6808 Jun 12 16:26	21° \mathbb{M} 01'45	1.34742 AU	max. Earth dist.	6809 May 25 18:09	2° \mathbb{M} 06'10	1.36611 AU
	6808 Jun 17 03:26	0° \mathbb{M}		superior conj	6809 Jun 01 00:51	14° \mathbb{M} 09'20	-0°58'42
superior conj	6808 Jun 17 12:15	0° \mathbb{M} 45'17	-0°27'47	minimum elong	6809 Jun 01 04:17	14° \mathbb{M} 26'19	0°58'10
minimum elong	6808 Jun 17 13:48	0° \mathbb{M} 53'16	0°27'32	asc. node	6809 Jun 07 03:27	26° \mathbb{M} 25'50	
asc. node	6808 Jun 20 06:25	6° \mathbb{M} 28'30			6809 Jun 08 21:44	0° \mathbb{M}	
evening rise	6808 Jun 25 02:59	16° \mathbb{M} 37'31		evening rise	6809 Jun 09 07:27	0° \mathbb{M} 49'06	
	6808 Jul 01 21:07	0° Ω					

evening max el	6809 Jun 26 12:44	28°☿54'57	19°39'28		6810 May 16 15:52	0°♊	
	6809 Jun 27 16:47	0°♊		evening rise	6810 May 24 04:37	14°♊35'34	
retrograde	6809 Jul 06 08:52	3°♊45'09		asc. node	6810 May 25 00:30	16°♊12'14	
evening set	6809 Jul 08 05:52	3°♊35'22			6810 Jun 01 11:36	0°☿	
desc. node	6809 Jul 12 14:21	2°♊06'14		evening max el	6810 Jun 09 11:26	10°☿56'58	18°48'10
	6809 Jul 16 07:30	30°♋☿		retrograde	6810 Jun 17 18:27	15°☿02'23	
inferior conj	6809 Jul 17 01:33	29°☿31'49	-1°21'12	evening set	6810 Jun 19 19:34	14°☿48'23	
minimum elong	6809 Jul 16 21:50	29°☿37'39	1°19'50	inferior conj	6810 Jun 27 20:13	10°☿28'29	0°28'57
min. Earth dist.	6809 Jul 19 08:24	28°☿06'02	0.55470 AU	minimum elong	6810 Jun 27 21:20	10°☿26'27	0°28'30
morning rise	6809 Jul 25 11:31	25°☿03'01		desc. node	6810 Jun 29 11:22	9°☿16'54	
direct	6809 Jul 30 02:06	24°☿15'50		min. Earth dist.	6810 Jul 01 00:50	8°☿09'58	0.56998 AU
	6809 Aug 11 16:42	0°♊		morning rise	6810 Jul 05 19:39	5°☿22'44	
morning max el	6809 Aug 13 00:43	1°♊12'45	24°43'53	direct	6810 Jul 11 07:38	4°☿09'09	
	6809 Sep 01 20:28	0°♋		morning max el	6810 Jul 25 15:41	11°☿37'58	26°16'49
asc. node	6809 Sep 03 02:49	2°♋27'40			6810 Aug 08 21:11	0°♊	
morning set	6809 Sep 07 18:34	12°♋01'27		asc. node	6810 Aug 20 23:49	22°♊08'31	
				morning set	6810 Aug 23 05:22	26°♊48'05	
superior conj	6809 Sep 14 16:16	27°♋02'15	1°34'16		6810 Aug 24 17:14	0°♋	
minimum elong	6809 Sep 14 14:36	26°♋53'06	1°34'08	superior conj	6810 Aug 30 03:35	11°♋55'24	1°22'02
	6809 Sep 16 00:53	0°♌		minimum elong	6810 Aug 30 01:23	11°♋43'19	1°21'44
max. Earth dist.	6809 Sep 16 09:19	0°♌45'42	1.32636 AU	max. Earth dist.	6810 Aug 30 17:46	13°♋13'50	1.31986 AU
evening rise	6809 Sep 21 22:13	12°♌27'31		evening rise	6810 Sep 06 01:47	26°♋56'18	
	6809 Oct 01 02:57	0°♍			6810 Sep 07 13:11	0°♌	
desc. node	6809 Oct 08 13:31	12°♍16'44			6810 Sep 24 13:05	0°♍	
	6809 Oct 22 00:05	0°♎		desc. node	6810 Sep 25 10:32	1°♍17'45	
evening max el	6809 Oct 25 00:22	3°♎03'15	27°28'07	evening max el	6810 Oct 07 06:48	15°♍31'47	27°08'34
retrograde	6809 Nov 07 17:37	10°♎20'06		retrograde	6810 Oct 21 03:53	22°♍43'37	
evening set	6809 Nov 14 20:40	7°♎48'48		evening set	6810 Oct 28 05:08	20°♍30'17	
min. Earth dist.	6809 Nov 18 12:59	4°♎43'08	0.63102 AU	min. Earth dist.	6810 Oct 31 21:29	17°♍47'08	0.61136 AU
inferior conj	6809 Nov 21 06:47	2°♎01'44	-2°51'08	inferior conj	6810 Nov 04 00:03	15°♍05'38	-3°56'14
minimum elong	6809 Nov 21 11:59	1°♎48'57	2°49'09	minimum elong	6810 Nov 04 06:44	14°♍51'06	3°54'13
	6809 Nov 23 10:03	30°♏♍		morning rise	6810 Nov 11 10:29	10°♍12'30	
morning rise	6809 Nov 28 05:08	26°♍48'57		direct	6810 Nov 13 16:40	9°♍51'43	
asc. node	6809 Nov 30 02:09	26°♍23'45		asc. node	6810 Nov 16 23:10	10°♍37'14	
direct	6809 Nov 30 13:54	26°♍22'36		morning max el	6810 Nov 20 20:11	13°♍26'35	17°57'10
morning max el	6809 Dec 07 05:17	29°♍47'54	17°48'38		6810 Dec 02 01:18	0°♎	
	6809 Dec 07 10:07	0°♎		morning set	6810 Dec 06 12:56	8°♎09'12	
morning set	6809 Dec 23 10:12	24°♎46'04					
	6809 Dec 26 10:08	0°♏		superior conj	6810 Dec 16 19:46	26°♎42'33	0°39'52
superior conj	6810 Jan 04 08:48	15°♏13'25	0°01'12	minimum elong	6810 Dec 16 22:52	26°♎56'05	0°39'29
minimum elong	6810 Jan 04 08:56	15°♏13'58	0°01'14		6810 Dec 18 17:15	0°♏	
behind sun begin	6810 Jan 03 23:37	14°♏35'17		desc. node	6810 Dec 22 09:45	6°♏16'04	
behind sun end	6810 Jan 04 18:14	15°♏52'34		max. Earth dist.	6810 Dec 24 08:43	9°♏31'27	1.42471 AU
desc. node	6810 Jan 04 12:44	15°♏29'47		evening rise	6810 Dec 30 10:50	19°♏21'59	
max. Earth dist.	6810 Jan 10 19:51	25°♏45'40	1.44075 AU		6811 Jan 06 07:32	0°♐	
	6810 Jan 13 11:43	0°♐			6811 Jan 27 19:16	0°♋	
evening rise	6810 Jan 19 14:50	9°♐34'18		evening max el	6811 Feb 01 01:03	4°♋43'11	22°15'48
	6810 Feb 02 05:05	0°♋		retrograde	6811 Feb 10 15:14	10°♋24'53	
evening max el	6810 Feb 18 06:25	21°♋04'54	21°00'19	asc. node	6811 Feb 12 22:22	9°♋57'34	
asc. node	6810 Feb 26 01:19	26°♋03'13		evening set	6811 Feb 15 05:05	8°♋33'21	
retrograde	6810 Feb 26 18:21	26°♋05'51		inferior conj	6811 Feb 20 13:18	2°♋12'03	2°18'09
evening set	6810 Mar 02 21:24	24°♋29'28		minimum elong	6811 Feb 20 11:00	2°♋20'06	2°17'28
inferior conj	6810 Mar 08 05:07	18°♋16'59	2°50'38	min. Earth dist.	6811 Feb 20 11:11	2°♋19'25	0.68265 AU
minimum elong	6810 Mar 08 02:56	18°♋24'33	2°50'09		6811 Feb 22 03:50	30°♑♐	
min. Earth dist.	6810 Mar 08 15:07	17°♋42'23	0.67963 AU	morning rise	6811 Feb 25 16:44	26°♑01'43	
morning rise	6810 Mar 13 08:16	12°♋03'03		direct	6811 Mar 02 10:35	24°♑01'38	
direct	6810 Mar 18 16:23	9°♋41'40		morning max el	6811 Mar 11 20:14	29°♑33'02	22°12'17
morning max el	6810 Mar 29 08:59	16°♋04'14	23°41'02		6811 Mar 12 06:51	0°♋	
desc. node	6810 Apr 02 12:06	20°♋36'56		desc. node	6811 Mar 20 09:06	9°♋40'54	
	6810 Apr 09 20:16	0°♌			6811 Apr 03 14:35	0°♌	
	6810 Apr 29 17:45	0°♍		morning set	6811 Apr 14 03:19	16°♌28'38	
morning set	6810 May 03 16:33	6°♍36'21		max. Earth dist.	6811 Apr 19 11:14	25°♌16'17	1.40978 AU
max. Earth dist.	6810 May 07 13:54	13°♍20'25	1.38766 AU		6811 Apr 22 06:01	0°♍	
superior conj	6810 May 15 00:18	26°♍52'53	-1°28'25	superior conj	6811 Apr 27 06:07	8°♍45'06	-1°53'23
minimum elong	6810 May 15 05:20	27°♍16'33	1°27'47	minimum elong	6811 Apr 27 11:24	9°♍08'41	1°52'58

evening rise	6811 May 07 15:01	27°  47'49		evening rise	6812 Apr 19 10:29	10°  16'32	
	6811 May 08 19:21	0°  II		asc. node	6812 Apr 27 18:34	24°  50'42	
asc. node	6811 May 11 21:31	5°  II42'24			6812 May 01 00:38	0°  II	
evening max el	6811 May 23 18:32	23°  II34'16	18°17'14	evening max el	6812 May 06 06:21	6°  II37'23	18°05'59
retrograde	6811 May 30 22:55	27°  II09'56		retrograde	6812 May 12 19:58	9°  II59'39	
evening set	6811 Jun 02 07:21	26°  II47'39		evening set	6812 May 15 11:35	9°  II26'30	
inferior conj	6811 Jun 09 12:30	22°  II07'24	1°53'08	inferior conj	6812 May 22 00:25	4°  II25'46	2°47'55
minimum elong	6811 Jun 09 15:39	22°  II00'40	1°52'07	minimum elong	6812 May 22 03:18	4°  II18'38	2°47'15
min. Earth dist.	6811 Jun 12 22:31	19°  II14'06	0.59057 AU	min. Earth dist.	6812 May 25 03:40	1°  II21'57	0.61291 AU
desc. node	6811 Jun 16 08:24	16°  II48'18			6812 May 26 16:25	30°  R  8	
morning rise	6811 Jun 16 20:52	16°  II30'16		morning rise	6812 May 28 16:56	28°  R  27'26	
direct	6811 Jun 23 03:07	14°  II44'00		desc. node	6812 Jun 02 05:25	26°  R  24'49	
morning max el	6811 Jul 07 12:14	22°  II32'26	27°22'54	direct	6812 Jun 04 09:49	26°  R  10'32	
	6811 Jul 14 02:44	0°  ☿			6812 Jun 13 21:25	0°  II	
	6811 Aug 01 21:29	0°  Ω		morning max el	6812 Jun 18 15:21	4°  II09'20	27°52'56
morning set	6811 Aug 07 13:30	11°  Ω24'05			6812 Jul 07 19:48	0°  ☿	
asc. node	6811 Aug 07 20:49	12°  Ω02'35		morning set	6812 Jul 21 17:09	25°  ☿44'13	
max. Earth dist.	6811 Aug 14 04:27	25°  Ω45'54	1.31778 AU		6812 Jul 23 18:15	0°  Ω	
				asc. node	6812 Jul 24 17:50	2°  Ω05'03	
superior conj	6811 Aug 14 15:21	26°  Ω46'15	1°04'56	max. Earth dist.	6812 Jul 27 13:40	8°  Ω11'07	1.32014 AU
minimum elong	6811 Aug 14 13:07	26°  Ω33'52	1°04'31				
	6811 Aug 16 02:21	0°  ♍		superior conj	6812 Jul 29 01:53	11°  Ω29'26	0°43'27
evening rise	6811 Aug 21 10:05	11°  ♍36'20		minimum elong	6812 Jul 29 00:05	11°  Ω19'33	0°43'03
	6811 Aug 30 17:45	0°  ♌		evening rise	6812 Aug 04 21:06	26°  Ω21'14	
desc. node	6811 Sep 12 07:33	19°  ♌25'30			6812 Aug 06 14:28	0°  ♍	
evening max el	6811 Sep 19 06:27	27°  ♌12'29	26°15'30		6812 Aug 23 21:44	0°  ♌	
	6811 Sep 22 12:37	0°  ♍		desc. node	6812 Aug 29 04:35	6°  ♌19'01	
retrograde	6811 Oct 03 05:03	4°  ♍18'35		evening max el	6812 Aug 30 22:21	8°  ♌04'07	24°53'57
evening set	6811 Oct 09 18:01	2°  ♍34'39		retrograde	6812 Sep 13 19:14	15°  ♌03'43	
	6811 Oct 13 19:42	30°  R  ♌		evening set	6812 Sep 19 06:53	13°  ♌55'54	
min. Earth dist.	6811 Oct 13 19:42	29°  ♌59'59	0.59060 AU	min. Earth dist.	6812 Sep 24 09:39	11°  ♌11'37	0.57102 AU
inferior conj	6811 Oct 17 00:39	27°  ♌34'54	-4°51'48	inferior conj	6812 Sep 27 05:37	9°  ♌20'18	-5°24'28
minimum elong	6811 Oct 17 06:53	27°  ♌23'05	4°50'36	minimum elong	6812 Sep 27 07:52	9°  ♌16'37	5°24'20
morning rise	6811 Oct 24 21:59	23°  ♌03'59		morning rise	6812 Oct 05 11:04	5°  ♌12'06	
direct	6811 Oct 27 05:29	22°  ♌45'39		direct	6812 Oct 08 00:22	4°  ♌53'33	
asc. node	6811 Nov 03 20:11	26°  ♌17'16		morning max el	6812 Oct 17 05:10	9°  ♌14'42	19°15'41
morning max el	6811 Nov 04 05:18	26°  ♌38'45	18°25'38	asc. node	6812 Oct 20 17:13	13°  ♌09'37	
	6811 Nov 07 04:44	0°  ♍			6812 Oct 30 21:19	0°  ♍	
morning set	6811 Nov 20 04:37	22°  ♍08'25		morning set	6812 Nov 03 05:10	6°  ♍32'02	
	6811 Nov 24 06:58	0°  ♎					
				superior conj	6812 Nov 11 08:38	22°  ♍41'31	1°28'32
superior conj	6811 Nov 29 05:26	9°  ♎16'44	1°09'03	minimum elong	6812 Nov 11 11:22	22°  ♍54'47	1°28'20
minimum elong	6811 Nov 29 09:03	9°  ♎33'23	1°08'40		6812 Nov 15 04:33	0°  ♎	
max. Earth dist.	6811 Dec 06 17:00	22°  ♎38'13	1.40479 AU	max. Earth dist.	6812 Nov 17 22:37	5°  ♎04'47	1.38337 AU
desc. node	6811 Dec 09 06:45	27°  ♎01'11		evening rise	6812 Nov 21 16:45	11°  ♎46'08	
evening rise	6811 Dec 11 02:35	0°  ☿04'04		desc. node	6812 Nov 25 03:45	17°  ♎41'22	
	6811 Dec 11 01:36	0°  ☿			6812 Dec 02 19:01	0°  ☿	
	6811 Dec 30 18:33	0°  ♏			6812 Dec 25 02:47	0°  ♏	
evening max el	6812 Jan 14 16:03	18°  ♏24'57	23°35'45	evening max el	6812 Dec 27 05:12	2°  ♏09'44	24°53'43
retrograde	6812 Jan 25 09:09	24°  ♏44'17		retrograde	6813 Jan 07 23:02	8°  ♏59'15	
evening set	6812 Jan 30 11:12	22°  ♏37'41		evening set	6813 Jan 13 14:10	6°  ♏38'43	
asc. node	6812 Jan 30 19:25	22°  ♏19'46		asc. node	6813 Jan 16 16:28	3°  ♏22'57	
inferior conj	6812 Feb 04 21:28	16°  ♏11'18	1°37'25	min. Earth dist.	6813 Jan 18 02:59	1°  ♏33'03	0.67700 AU
minimum elong	6812 Feb 04 19:29	16°  ♏18'04	1°36'43	inferior conj	6813 Jan 19 03:45	0°  ♏11'28	0°49'05
min. Earth dist.	6812 Feb 04 07:55	16°  ♏57'39	0.68171 AU	minimum elong	6813 Jan 19 02:35	0°  ♏15'17	0°48'40
morning rise	6812 Feb 10 03:43	10°  ♏06'12			6813 Jan 19 07:14	30°  R  3	
direct	6812 Feb 14 07:42	8°  ♏28'49		morning rise	6813 Jan 24 15:13	24°  ☿13'23	
morning max el	6812 Feb 22 13:27	13°  ♏12'36	20°51'05	direct	6813 Jan 28 06:23	22°  ☿57'36	
desc. node	6812 Mar 06 06:06	29°  ♏18'46		morning max el	6813 Feb 04 14:38	27°  ☿04'17	19°42'24
	6812 Mar 06 17:40	0°  ♐			6813 Feb 07 06:56	0°  ♏	
morning set	6812 Mar 23 11:34	25°  ♐08'53		greatest brilliancy	6813 Feb 17 11:11	13°  ♏53'27	-0.7m
	6812 Mar 26 13:39	0°  ♑		desc. node	6813 Feb 21 03:05	19°  ♏20'52	
max. Earth dist.	6812 Mar 31 15:41	8°  ♑09'06	1.42954 AU		6813 Feb 28 03:11	0°  ♐	
				morning set	6813 Mar 02 08:14	3°  ♐23'57	
superior conj	6812 Apr 07 13:31	19°  ♑35'34	-2°08'36	max. Earth dist.	6813 Mar 14 03:35	21°  ♐50'33	1.44443 AU
minimum elong	6812 Apr 07 16:09	19°  ♑46'43	2°08'33				
	6812 Apr 13 14:54	0°  ♒		superior conj	6813 Mar 18 19:37	29°  ♐18'40	-2°08'07

minimum elong	6813 Mar 18 16:07	29° X 04'33	2°08'02	superior conj	6814 Feb 26 05:09	8° X 11'32	-1°47'47
	6813 Mar 19 05:51	0° Y		minimum elong	6814 Feb 25 20:06	7° X 36'01	1°47'01
evening rise	6813 Apr 01 10:25	21° Y 51'41			6814 Mar 11 22:27	0° Y	
	6813 Apr 06 05:49	0° Z		evening rise	6814 Mar 13 11:24	2° Y 28'53	
asc. node	6813 Apr 14 15:37	13° Z 29'13		greatest brilliancy	6814 Mar 19 16:30	12° Y 30'52	-0.9m
evening max el	6813 Apr 19 19:28	19° Z 56'35	18°13'44		6814 Mar 31 07:43	0° Z	
retrograde	6813 Apr 26 04:54	23° Z 20'20		asc. node	6814 Apr 01 12:40	1° Z 28'53	
evening set	6813 Apr 29 03:16	22° Z 34'48		evening max el	6814 Apr 03 07:08	3° Z 25'26	18°39'45
inferior conj	6813 May 05 03:53	17° Z 15'08	3°17'37	retrograde	6814 Apr 09 21:28	7° Z 03'30	
minimum elong	6813 May 05 05:28	17° Z 10'43	3°17'24	evening set	6814 Apr 13 02:40	6° Z 04'40	
min. Earth dist.	6813 May 07 18:00	14° Z 23'33	0.63405 AU	inferior conj	6814 Apr 18 18:51	0° Z 27'51	3°27'39
morning rise	6813 May 11 06:27	11° Z 04'53		minimum elong	6814 Apr 18 18:59	0° Z 27'27	3°27'38
direct	6813 May 18 01:36	8° Z 26'12			6814 Apr 19 03:58	30° R Y	
desc. node	6813 May 20 02:27	8° Z 39'06		min. Earth dist.	6814 Apr 20 17:41	28° Y 05'24	0.65217 AU
morning max el	6813 May 31 23:28	16° Z 27'25	27°45'09	morning rise	6814 Apr 24 10:39	24° Y 12'24	
	6813 Jun 12 03:33	0° I		direct	6814 May 01 01:15	21° Y 24'13	
	6813 Jun 30 13:40	0° E		desc. node	6814 May 06 23:29	23° Y 13'57	
morning set	6813 Jul 05 14:04	9° E 41'46		morning max el	6814 May 14 09:43	29° Y 16'39	27°03'33
max. Earth dist.	6813 Jul 10 17:26	20° E 17'29	1.32698 AU		6814 May 15 02:38	0° Z	
asc. node	6813 Jul 11 14:52	22° E 11'20			6814 Jun 06 00:39	0° I	
				morning set	6814 Jun 19 01:18	23° I 08'06	
superior conj	6813 Jul 13 09:19	25° E 59'09	0°18'07		6814 Jun 22 13:03	0° E	
minimum elong	6813 Jul 13 08:27	25° E 54'29	0°17'53	max. Earth dist.	6814 Jun 23 11:51	1° E 54'58	1.33852 AU
	6813 Jul 15 05:48	0° O					
evening rise	6813 Jul 20 08:52	11° O 04'48		superior conj	6814 Jun 27 11:32	10° E 09'03	-0°10'23
	6813 Jul 30 00:12	0° P		minimum elong	6814 Jun 27 12:05	10° E 11'58	0°10'20
evening max el	6813 Aug 12 10:08	18° P 24'02	23°16'58	behind sun begin	6814 Jun 27 07:45	9° E 49'12	
desc. node	6813 Aug 16 01:37	21° P 30'14		behind sun end	6814 Jun 27 16:26	10° E 34'46	
retrograde	6813 Aug 25 21:24	25° P 08'44		asc. node	6814 Jun 28 11:53	12° E 17'16	
evening set	6813 Aug 29 21:13	24° P 33'49		evening rise	6814 Jul 04 19:28	25° E 40'44	
min. Earth dist.	6813 Sep 05 19:20	21° P 22'17	0.55568 AU		6814 Jul 06 21:24	0° O	
inferior conj	6813 Sep 07 14:46	20° P 18'43	-5°16'25	evening max el	6814 Jul 25 02:14	28° O 46'10	21°40'58
minimum elong	6813 Sep 07 10:03	20° P 25'38	5°15'56		6814 Jul 26 09:56	0° P	
morning rise	6813 Sep 16 01:10	16° P 27'13		desc. node	6814 Aug 02 22:41	4° P 25'40	
direct	6813 Sep 18 23:46	16° P 06'24		retrograde	6814 Aug 06 12:56	4° P 56'23	
morning max el	6813 Sep 29 17:10	21° P 06'25	20°27'59	evening set	6814 Aug 09 03:44	4° P 40'53	
	6813 Oct 06 22:47	0° U		inferior conj	6814 Aug 18 10:01	0° P 40'37	-4°15'00
asc. node	6813 Oct 07 14:14	0° U 59'14		minimum elong	6814 Aug 18 00:51	0° P 53'28	4°12'41
morning set	6813 Oct 18 11:36	21° U 11'36		min. Earth dist.	6814 Aug 18 04:45	0° P 47'59	0.54783 AU
	6813 Oct 22 17:54	0° M			6814 Aug 19 15:08	30° R O	
				morning rise	6814 Aug 26 23:09	26° O 49'51	
superior conj	6813 Oct 26 00:36	6° M 43'28	1°39'15	direct	6814 Aug 30 09:56	26° O 23'52	
minimum elong	6813 Oct 26 01:56	6° M 50'16	1°39'13		6814 Sep 09 02:07	0° P	
max. Earth dist.	6813 Oct 31 05:49	17° M 03'44	1.36293 AU	morning max el	6814 Sep 11 16:56	2° P 11'14	22°00'01
evening rise	6813 Nov 04 03:09	24° M 23'04		asc. node	6814 Sep 24 11:16	19° P 32'15	
	6813 Nov 07 05:54	0° X			6814 Sep 29 23:40	0° U	
desc. node	6813 Nov 12 00:47	8° X 12'35		morning set	6814 Oct 02 21:31	5° U 59'30	
	6813 Nov 26 09:46	0° Z					
evening max el	6813 Dec 09 18:01	15° Z 55'13	26°02'38	superior conj	6814 Oct 10 01:21	21° U 09'58	1°42'22
retrograde	6813 Dec 22 08:14	23° Z 04'44		minimum elong	6814 Oct 10 01:18	21° U 09'41	1°42'23
evening set	6813 Dec 28 12:19	20° Z 33'07		max. Earth dist.	6814 Oct 13 19:22	28° U 56'24	1.34550 AU
min. Earth dist.	6814 Jan 01 18:14	16° Z 02'11	0.66862 AU		6814 Oct 14 07:54	0° M	
inferior conj	6814 Jan 03 06:20	14° Z 09'54	-0°06'03	evening rise	6814 Oct 18 05:43	7° M 43'42	
minimum elong	6814 Jan 03 06:29	14° Z 09'25	0°05'56	desc. node	6814 Oct 29 21:50	28° M 28'46	
transit middle	6814 Jan 03 06:29	14° Z 09'25	0°05'56		6814 Oct 30 20:21	0° X	
transit begin	6814 Jan 03 03:50	14° Z 17'40		evening max el	6814 Nov 22 06:58	29° X 34'01	26°55'19
transit end	6814 Jan 03 09:08	14° Z 01'10			6814 Nov 22 17:55	0° Z	
asc. node	6814 Jan 03 13:30	13° Z 47'35		retrograde	6814 Dec 05 11:57	6° Z 52'34	
morning rise	6814 Jan 09 01:14	8° Z 20'50		evening set	6814 Dec 12 03:39	4° Z 15'02	
direct	6814 Jan 12 05:09	7° Z 23'47		min. Earth dist.	6814 Dec 16 03:23	0° Z 18'45	0.65663 AU
morning max el	6814 Jan 18 23:24	11° Z 05'42	18°48'57		6814 Dec 16 09:59	30° R X	
	6814 Feb 01 18:53	0° W		inferior conj	6814 Dec 18 03:04	28° X 01'21	-1°07'09
desc. node	6814 Feb 08 00:07	9° W 41'01		minimum elong	6814 Dec 18 05:00	27° X 55'46	1°06'16
morning set	6814 Feb 09 18:19	12° W 26'09		asc. node	6814 Dec 21 10:33	24° X 28'53	
	6814 Feb 20 23:42	0° X		morning rise	6814 Dec 24 07:25	22° X 23'46	
max. Earth dist.	6814 Feb 24 20:29	6° X 03'19	1.45282 AU	direct	6814 Dec 27 02:01	21° X 41'41	
				morning max el	6815 Jan 02 13:36	25° X 09'55	18°11'55

	6815 Jan 06 15:33	0°☿	morning set	6816 Jan 03 03:30	4°☿47'01	
morning set	6815 Jan 21 08:45	22°☿54'58	desc. node	6816 Jan 12 18:07	20°☿54'00	
desc. node	6815 Jan 25 21:08	0°☿13'29				
	6815 Jan 25 17:47	0°☿	superior conj	6816 Jan 16 04:47	26°☿31'19	-0°24'23
			minimum elong	6816 Jan 16 01:59	26°☿20'00	0°23'56
superior conj	6815 Feb 05 09:47	16°☿58'43		6816 Jan 18 08:33	0°☿	
minimum elong	6815 Feb 05 01:36	16°☿26'32		6816 Jan 21 10:36	4°☿55'11	1.44753 AU
max. Earth dist.	6815 Feb 07 15:34	20°☿29'56		6816 Feb 01 02:31	21°☿32'10	
	6815 Feb 13 17:29	0°☿		6816 Feb 06 15:41	0°☿	
evening rise	6815 Feb 21 14:03	12°☿14'24		6816 Feb 28 04:30	0°☿	
	6815 Mar 05 01:32	0°☿	evening max el	6816 Feb 28 18:15	0°☿35'48	20°21'11
greatest brilliancy	6815 Mar 05 14:27	0°☿48'59		6816 Mar 05 06:46	4°☿43'24	
evening max el	6815 Mar 17 15:12	16°☿59'32		6816 Mar 07 16:29	5°☿13'33	
asc. node	6815 Mar 19 09:43	18°☿38'20		6816 Mar 11 14:00	3°☿45'49	
retrograde	6815 Mar 24 18:11	21°☿03'01		6816 Mar 15 04:17	30°☿☿	
evening set	6815 Mar 28 06:59	19°☿50'04		6816 Mar 16 22:17	27°☿40'08	3°05'14
inferior conj	6815 Apr 02 17:56	13°☿57'52		6816 Mar 16 20:22	27°☿46'39	3°04'53
minimum elong	6815 Apr 02 16:50	14°☿01'25		6816 Mar 17 15:49	26°☿40'26	0.67606 AU
min. Earth dist.	6815 Apr 04 01:35	12°☿14'39		6816 Mar 22 02:32	21°☿25'00	
morning rise	6815 Apr 08 02:21	7°☿41'24		6816 Mar 27 18:50	18°☿52'54	
direct	6815 Apr 14 07:21	4°☿56'11		6816 Apr 08 04:22	25°☿42'08	24°32'21
desc. node	6815 Apr 23 20:32	9°☿37'19		6816 Apr 09 17:33	27°☿19'26	
morning max el	6815 Apr 26 19:35	12°☿24'38		6816 Apr 12 02:35	0°☿	
	6815 May 10 22:44	0°☿		6816 May 03 11:34	0°☿	
	6815 May 29 17:08	0°☿	morning set	6816 May 14 02:06	17°☿40'19	
morning set	6815 Jun 01 23:01	5°☿52'30	max. Earth dist.	6816 May 17 17:04	24°☿08'29	1.37504 AU
max. Earth dist.	6815 Jun 05 18:56	13°☿05'10		6816 May 20 21:15	0°☿	
superior conj	6815 Jun 11 06:00	23°☿52'26		6816 May 24 13:29	7°☿00'08	-1°11'38
minimum elong	6815 Jun 11 08:21	24°☿04'17		6816 May 24 17:40	7°☿20'26	1°11'01
	6815 Jun 14 05:58	0°☿	asc. node	6816 Jun 01 05:56	22°☿11'52	
asc. node	6815 Jun 15 08:55	2°☿19'01	evening rise	6816 Jun 02 04:30	24°☿04'18	
evening rise	6815 Jun 19 02:50	10°☿03'04		6816 Jun 05 04:47	0°☿	
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evening max el	6815 Jul 07 05:45	9°☿40'52		6816 Jun 28 00:59	25°☿47'12	
retrograde	6815 Jul 18 01:44	15°☿00'28	retrograde	6816 Jun 29 23:13	25°☿36'03	
evening set	6815 Jul 20 00:32	14°☿50'52	evening set	6816 Jul 06 16:47	22°☿35'35	
desc. node	6815 Jul 20 19:44	14°☿41'36	desc. node	6816 Jul 08 11:14	21°☿26'23	-0°32'04
inferior conj	6815 Jul 29 04:14	10°☿53'12	minimum elong	6816 Jul 08 09:50	21°☿28'42	0°31'35
minimum elong	6815 Jul 28 21:21	11°☿03'17	min. Earth dist.	6816 Jul 11 05:26	19°☿36'51	0.56036 AU
min. Earth dist.	6815 Jul 30 15:49	10°☿01'03	morning rise	6816 Jul 16 17:34	16°☿42'20	
morning rise	6815 Aug 06 17:03	6°☿43'02	direct	6816 Jul 21 17:32	15°☿45'01	
direct	6815 Aug 10 20:28	6°☿05'56	morning max el	6816 Aug 04 20:59	22°☿56'19	25°25'51
morning max el	6815 Aug 24 08:01	12°☿39'55		6816 Aug 11 04:37	0°☿	
	6815 Sep 06 12:34	0°☿	asc. node	6816 Aug 28 05:18	28°☿07'50	
asc. node	6815 Sep 11 08:18	8°☿38'13		6816 Aug 29 03:26	0°☿	
morning set	6815 Sep 17 09:04	20°☿50'44	morning set	6816 Aug 31 20:35	5°☿39'52	
	6815 Sep 21 15:04	0°☿				
			superior conj	6816 Sep 07 18:08	20°☿42'33	1°29'41
superior conj	6815 Sep 24 07:59	5°☿52'17	minimum elong	6816 Sep 07 16:11	20°☿31'51	1°29'29
minimum elong	6815 Sep 24 06:48	5°☿45'51	max. Earth dist.	6816 Sep 08 23:25	23°☿23'19	1.32309 AU
max. Earth dist.	6815 Sep 26 17:41	11°☿01'50		6816 Sep 12 00:38	0°☿	
evening rise	6815 Oct 01 20:33	21°☿38'00	evening rise	6816 Sep 14 20:14	5°☿56'00	
	6815 Oct 06 03:45	0°☿		6816 Sep 27 17:31	0°☿	
desc. node	6815 Oct 16 18:50	18°☿23'15	desc. node	6816 Oct 02 15:53	7°☿47'01	
	6815 Oct 24 16:50	0°☿	evening max el	6816 Oct 17 04:47	25°☿48'07	27°23'58
evening max el	6815 Nov 04 19:19	12°☿56'08		6816 Oct 22 09:18	0°☿	
retrograde	6815 Nov 18 09:23	20°☿14'32	retrograde	6816 Oct 30 23:41	3°☿02'02	
evening set	6815 Nov 25 09:38	17°☿38'33	evening set	6816 Nov 07 03:07	0°☿37'11	
min. Earth dist.	6815 Nov 29 04:13	14°☿15'23		6816 Nov 08 00:17	30°☿☿	
inferior conj	6815 Dec 01 15:31	11°☿40'14	min. Earth dist.	6816 Nov 10 18:52	27°☿42'20	0.62295 AU
minimum elong	6815 Dec 01 19:32	11°☿29'42	inferior conj	6816 Nov 13 16:45	24°☿59'28	-3°19'16
morning rise	6815 Dec 08 06:57	6°☿17'07	minimum elong	6816 Nov 13 22:43	24°☿45'31	3°17'12
asc. node	6815 Dec 08 07:37	6°☿16'26	morning rise	6816 Nov 20 20:15	19°☿54'21	
direct	6815 Dec 10 18:34	5°☿46'02	direct	6816 Nov 23 03:37	19°☿30'39	
morning max el	6815 Dec 17 06:29	9°☿10'01	asc. node	6816 Nov 24 04:39	19°☿35'38	
	6815 Dec 31 07:58	0°☿	morning max el	6816 Nov 29 23:02	22°☿58'48	17°49'53

	6816 Dec 05 11:14	0°♊			6817 Nov 28 11:33	0°♊
morning set	6816 Dec 15 20:27	17°♊42'49		morning set	6817 Nov 29 05:18	1°♊23'03
	6816 Dec 22 19:04	0°♋				
superior conj	6816 Dec 27 00:54	7°♋17'39	0°18'40	superior conj	6817 Dec 08 22:12	19°♊16'36 0°53'27
minimum elong	6816 Dec 27 02:38	7°♋25'00	0°18'28	minimum elong	6817 Dec 09 01:46	19°♊32'29 0°53'02
desc. node	6816 Dec 29 15:06	11°♋39'10			6817 Dec 15 01:43	0°♋
max. Earth dist.	6817 Jan 03 02:50	19°♋02'01	1.43460 AU	max. Earth dist.	6817 Dec 16 14:01	2°♋33'21 1.41657 AU
	6817 Jan 10 00:23	0°♌		desc. node	6817 Dec 16 12:05	2°♋25'15
evening rise	6817 Jan 10 15:34	0°♌59'09		evening rise	6817 Dec 21 19:10	11°♋07'56
	6817 Jan 30 05:57	0°♍			6818 Jan 03 00:55	0°♌
evening max el	6817 Feb 10 15:47	14°♍13'18	21°31'30	evening max el	6818 Jan 24 08:33	27°♌52'21 22°49'30
retrograde	6817 Feb 19 14:21	19°♍31'06			6818 Jan 26 14:50	0°♍
asc. node	6817 Feb 20 03:49	19°♍29'27		retrograde	6818 Feb 03 10:13	3°♍50'58
evening set	6817 Feb 23 21:57	17°♍48'05		asc. node	6818 Feb 07 00:53	2°♍44'33
inferior conj	6817 Mar 01 05:40	11°♍31'30	2°37'55	evening set	6818 Feb 08 05:11	1°♍52'42
minimum elong	6817 Mar 01 03:22	11°♍39'29	2°37'19		6818 Feb 10 02:38	30°♎
min. Earth dist.	6817 Mar 01 10:20	11°♍15'17	0.68147 AU	inferior conj	6818 Feb 13 14:05	25°♎28'31 2°01'48
morning rise	6817 Mar 06 08:38	5°♍19'12		minimum elong	6818 Feb 13 11:51	25°♎36'15 2°01'06
direct	6817 Mar 11 10:43	3°♍06'39		min. Earth dist.	6818 Feb 13 06:56	25°♎53'15 0.68275 AU
morning max el	6817 Mar 21 13:55	9°♍06'54	23°02'49	morning rise	6818 Feb 18 18:25	19°♎20'20
desc. node	6817 Mar 27 14:31	15°♍58'17		direct	6818 Feb 23 06:11	17°♎30'11
	6817 Apr 06 23:12	0°♎		morning max el	6818 Mar 04 03:30	22°♎40'27 21°36'26
morning set	6817 Apr 25 04:54	28°♎17'46			6818 Mar 10 11:33	0°♎
	6817 Apr 26 05:22	0°♏		desc. node	6818 Mar 14 11:29	5°♎17'40
max. Earth dist.	6817 Apr 29 13:07	5°♏39'20	1.39726 AU		6818 Mar 31 07:11	0°♎
superior conj	6817 May 07 05:59	19°♏22'53	-1°39'51	morning set	6818 Apr 05 03:41	7°♎36'51
minimum elong	6817 May 07 11:23	19°♏47'41	1°39'16	max. Earth dist.	6818 Apr 11 13:17	17°♎59'27 1.41864 AU
	6817 May 12 21:57	0°♐			6818 Apr 18 15:23	0°♏
evening rise	6817 May 16 21:33	7°♐37'12		superior conj	6818 Apr 19 02:45	0°♏49'21 -2°01'22
asc. node	6817 May 19 02:58	11°♐51'47		minimum elong	6818 Apr 19 07:22	1°♏09'28 2°01'07
	6817 May 29 21:57	0°♑		evening rise	6818 Apr 30 02:10	20°♏32'09
evening max el	6817 Jun 02 00:38	3°♑35'09	18°32'27		6818 May 05 07:23	0°♐
retrograde	6817 Jun 09 18:51	7°♑26'08		asc. node	6818 May 06 00:01	1°♐13'29
evening set	6817 Jun 11 22:59	7°♑08'59		evening max el	6818 May 16 10:06	16°♐24'09 18°10'03
inferior conj	6817 Jun 19 15:02	2°♑40'08	1°08'24	retrograde	6818 May 23 07:02	19°♐52'35
minimum elong	6817 Jun 19 17:22	2°♑35'35	1°07'31	evening set	6818 May 25 18:27	19°♐26'05
min. Earth dist.	6817 Jun 22 23:34	0°♑04'22	0.57832 AU	inferior conj	6818 Jun 01 16:10	14°♐36'59 2°19'47
	6817 Jun 23 01:56	30°♒♐		minimum elong	6818 Jun 01 19:24	14°♐29'36 2°18'52
desc. node	6817 Jun 23 13:48	29°♐38'26		min. Earth dist.	6818 Jun 05 00:26	11°♐35'57 0.59999 AU
morning rise	6817 Jun 27 08:24	27°♐19'56		morning rise	6818 Jun 08 17:38	8°♐49'09
direct	6817 Jul 03 04:43	25°♐53'06		desc. node	6818 Jun 10 10:49	7°♐54'09
	6817 Jul 13 12:29	0°♑		direct	6818 Jun 15 05:13	6°♐49'09
morning max el	6817 Jul 17 14:03	3°♑30'56	26°49'05	morning max el	6818 Jun 29 13:45	14°♐43'48 27°40'27
	6817 Aug 05 18:25	0°♒			6818 Jul 11 21:32	0°♑
asc. node	6817 Aug 15 02:17	17°♒54'26			6818 Jul 29 03:52	0°♒
morning set	6817 Aug 16 06:28	20°♒22'06		morning set	6818 Jul 31 12:59	4°♒52'29
	6817 Aug 20 17:18	0°♓		asc. node	6818 Aug 01 23:18	7°♒52'47
				max. Earth dist.	6818 Aug 06 19:56	18°♒25'05 1.31816 AU
superior conj	6817 Aug 23 05:49	5°♓34'36	1°15'20	superior conj	6818 Aug 07 17:19	20°♒23'07 0°56'20
minimum elong	6817 Aug 23 03:34	5°♓22'04	1°14'59	minimum elong	6818 Aug 07 15:13	20°♒11'27 0°55'55
max. Earth dist.	6817 Aug 23 09:23	5°♓54'21	1.31842 AU		6818 Aug 12 01:59	0°♓
evening rise	6817 Aug 30 02:04	20°♓29'39		evening rise	6818 Aug 14 11:48	5°♓12'30
	6817 Sep 03 17:47	0°♔			6818 Aug 27 11:54	0°♔
desc. node	6817 Sep 19 12:55	26°♔27'18		desc. node	6818 Sep 06 09:58	14°♔06'50
	6817 Sep 22 05:14	0°♕		evening max el	6818 Sep 11 04:34	19°♔14'58 25°43'43
evening max el	6817 Sep 29 08:30	7°♕56'26	26°49'57	retrograde	6818 Sep 25 03:15	26°♔19'40
retrograde	6817 Oct 13 06:05	15°♕05'40		evening set	6818 Oct 01 07:03	24°♔50'27
evening set	6817 Oct 20 03:52	13°♕03'18		min. Earth dist.	6818 Oct 05 16:52	22°♔14'06 0.58188 AU
min. Earth dist.	6817 Oct 23 22:33	10°♕26'12	0.60254 AU	inferior conj	6818 Oct 08 19:53	20°♔00'58 -5°09'31
inferior conj	6817 Oct 27 03:21	7°♕49'25	-4°21'39	minimum elong	6818 Oct 09 00:55	19°♔51'58 5°08'49
minimum elong	6817 Oct 27 10:11	7°♕35'24	4°19'52	morning rise	6818 Oct 16 21:08	15°♔40'17
morning rise	6817 Nov 03 18:41	3°♕05'45		direct	6818 Oct 19 06:24	15°♔22'17
direct	6817 Nov 06 01:03	2°♕46'17		morning max el	6818 Oct 27 17:40	19°♔26'03 18°44'18
asc. node	6817 Nov 11 01:40	4°♕27'19		asc. node	6818 Oct 28 22:41	20°♔40'10
morning max el	6817 Nov 13 11:56	6°♕27'21	18°06'49		6818 Nov 04 15:05	0°♕

































































































































morning set	6818 Nov 13 01:14	15° \mathbb{M} 33'54		asc. node	6819 Oct 15 19:42	7° \mathfrak{L} 58'12	
	6818 Nov 20 11:40	0° \mathfrak{X}		morning set	6819 Oct 28 04:36	0° \mathbb{M} 04'38	
					6819 Oct 28 03:41	0° \mathbb{M}	
superior conj	6818 Nov 21 16:04	2° \mathfrak{X} 14'40	1°18'26	superior conj	6819 Nov 05 01:11	15° \mathbb{M} 56'09	1°34'05
minimum elong	6818 Nov 21 19:25	2° \mathfrak{X} 30'28	1°18'07	minimum elong	6819 Nov 05 03:21	16° \mathbb{M} 06'53	1°33'57
max. Earth dist.	6818 Nov 28 20:23	15° \mathfrak{X} 20'55	1.39567 AU	max. Earth dist.	6819 Nov 11 01:40	27° \mathbb{M} 31'26	1.37442 AU
evening rise	6818 Dec 02 20:34	22° \mathfrak{X} 15'59			6819 Nov 12 09:48	0° \mathfrak{X}	
desc. node	6818 Dec 03 09:07	23° \mathfrak{X} 08'55		evening rise	6819 Nov 14 19:47	4° \mathfrak{X} 22'22	
	6818 Dec 07 12:50	0° \mathfrak{Z}		desc. node	6819 Nov 20 06:10	13° \mathfrak{X} 45'46	
	6818 Dec 28 00:22	0° \approx			6819 Nov 30 13:08	0° \mathfrak{Z}	
evening max el	6819 Jan 06 22:25	11° \approx 35'06	24°09'28	evening max el	6819 Dec 20 11:25	25° \mathfrak{Z} 21'11	25°24'38
retrograde	6819 Jan 18 02:43	18° \approx 09'08			6819 Dec 26 01:43	0° \approx	
evening set	6819 Jan 23 10:11	15° \approx 56'23		retrograde	6820 Jan 01 14:47	2° \approx 20'35	
asc. node	6819 Jan 24 21:56	14° \approx 30'18		evening set	6820 Jan 07 11:21	29° \mathfrak{Z} 55'13	
min. Earth dist.	6819 Jan 28 03:21	10° \approx 30'42	0.68017 AU		6820 Jan 07 09:03	30° \mathfrak{R} \mathfrak{Z}	
inferior conj	6819 Jan 28 21:42	9° \approx 28'45	1°17'47	asc. node	6820 Jan 11 18:59	25° \mathfrak{Z} 11'08	
minimum elong	6819 Jan 28 20:00	9° \approx 34'28	1°17'12	min. Earth dist.	6820 Jan 11 21:13	25° \mathfrak{Z} 03'59	0.67385 AU
morning rise	6819 Feb 03 05:53	3° \approx 26'13		inferior conj	6820 Jan 13 02:41	23° \mathfrak{Z} 28'59	0°26'31
direct	6819 Feb 07 04:09	1° \approx 58'24		minimum elong	6820 Jan 13 02:02	23° \mathfrak{Z} 31'07	0°26'19
morning max el	6819 Feb 15 00:04	6° \approx 25'24	20°19'59	morning rise	6820 Jan 18 17:02	17° \mathfrak{Z} 34'10	
desc. node	6819 Mar 01 08:29	25° \approx 06'39		direct	6820 Jan 22 03:13	16° \mathfrak{Z} 26'39	
	6819 Mar 04 16:03	0° \mathfrak{X}		morning max el	6820 Jan 29 04:34	20° \mathfrak{Z} 21'28	19°17'38
morning set	6819 Mar 15 04:12	15° \mathfrak{X} 57'45			6820 Feb 05 22:57	0° \approx	
	6819 Mar 24 02:27	0° \mathfrak{Y}		greatest brilliancy	6820 Feb 11 10:12	7° \approx 59'41	-0.7m
max. Earth dist.	6819 Mar 24 20:26	1° \mathfrak{Y} 12'06	1.43659 AU	desc. node	6820 Feb 16 05:30	15° \approx 17'20	
				morning set	6820 Feb 22 03:47	24° \approx 25'10	
superior conj	6819 Mar 30 23:26	11° \mathfrak{Y} 10'37	-2°10'39		6820 Feb 25 18:12	0° \mathfrak{X}	
minimum elong	6819 Mar 30 23:47	11° \mathfrak{Y} 12'07	2°10'40	max. Earth dist.	6820 Mar 06 10:40	15° \mathfrak{X} 08'47	1.44890 AU
	6819 Apr 11 01:23	0° \mathfrak{B}					
evening rise	6819 Apr 12 13:51	2° \mathfrak{B} 38'41		superior conj	6820 Mar 09 19:45	20° \mathfrak{X} 29'48	-2°02'00
asc. node	6819 Apr 22 21:05	20° \mathfrak{B} 10'01		minimum elong	6820 Mar 09 13:24	20° \mathfrak{X} 04'34	2°01'39
evening max el	6819 Apr 29 22:52	29° \mathfrak{B} 34'59	18°07'03		6820 Mar 15 17:56	0° \mathfrak{Y}	
	6819 Apr 30 09:16	0° \mathbb{I}		evening rise	6820 Mar 24 04:19	13° \mathfrak{Y} 49'32	
retrograde	6819 May 06 09:35	2° \mathbb{I} 56'09			6820 Apr 03 00:18	0° \mathfrak{B}	
evening set	6819 May 09 04:03	2° \mathbb{I} 18'00		asc. node	6820 Apr 08 18:08	8° \mathfrak{B} 33'41	
	6819 May 12 13:12	30° \mathfrak{R} \mathfrak{B}		evening max el	6820 Apr 12 11:48	12° \mathfrak{B} 59'54	18°22'40
inferior conj	6819 May 15 11:13	27° \mathfrak{B} 09'21	3°03'13	retrograde	6820 Apr 18 22:09	16° \mathfrak{B} 27'51	
minimum elong	6819 May 15 13:37	27° \mathfrak{B} 03'06	3°02'46	evening set	6820 Apr 21 23:27	15° \mathfrak{B} 36'40	
min. Earth dist.	6819 May 18 09:32	24° \mathfrak{B} 07'52	0.62216 AU	inferior conj	6820 Apr 27 20:04	10° \mathfrak{B} 09'40	3°23'56
morning rise	6819 May 21 21:27	21° \mathfrak{B} 04'53		minimum elong	6820 Apr 27 21:01	10° \mathfrak{B} 06'53	3°23'51
desc. node	6819 May 28 07:52	18° \mathfrak{B} 37'19		min. Earth dist.	6820 Apr 30 03:50	7° \mathfrak{B} 28'50	0.64227 AU
direct	6819 May 28 16:22	18° \mathfrak{B} 36'56		morning rise	6820 May 03 17:40	3° \mathfrak{B} 56'51	
morning max el	6819 Jun 11 19:14	26° \mathfrak{B} 38'41	27°54'05	direct	6820 May 10 11:49	1° \mathfrak{B} 12'26	
	6819 Jun 14 22:39	0° \mathbb{I}		desc. node	6820 May 14 04:53	1° \mathfrak{B} 55'29	
	6819 Jul 05 12:25	0° \mathfrak{E}		morning max el	6820 May 24 04:22	9° \mathfrak{B} 10'53	27°31'06
morning set	6819 Jul 15 14:03	19° \mathfrak{E} 03'42			6820 Jun 09 09:31	0° \mathbb{I}	
asc. node	6819 Jul 19 20:18	27° \mathfrak{E} 57'16			6820 Jun 26 20:36	0° \mathfrak{E}	
	6819 Jul 20 19:12	0° \mathfrak{Q}		morning set	6820 Jun 28 07:12	2° \mathfrak{E} 48'54	
max. Earth dist.	6819 Jul 21 03:04	0° \mathfrak{Q} 42'19	1.32241 AU	max. Earth dist.	6820 Jul 03 03:09	12° \mathfrak{E} 36'38	1.33134 AU
				asc. node	6820 Jul 05 17:21	18° \mathfrak{E} 04'01	
superior conj	6819 Jul 23 02:46	5° \mathfrak{Q} 01'14	0°33'10	superior conj	6820 Jul 06 08:15	19° \mathfrak{E} 23'27	0°06'23
minimum elong	6819 Jul 23 01:18	4° \mathfrak{Q} 53'15	0°32'48	minimum elong	6820 Jul 06 07:56	19° \mathfrak{E} 21'45	0°06'15
evening rise	6819 Jul 29 23:19	19° \mathfrak{Q} 57'12		behind sun begin	6820 Jul 06 02:55	18° \mathfrak{E} 54'56	
	6819 Aug 03 20:05	0° \mathfrak{N}		behind sun end	6820 Jul 06 12:58	19° \mathfrak{E} 48'37	
evening max el	6819 Aug 23 17:58	29° \mathfrak{N} 49'47	24°13'44		6820 Jul 11 06:41	0° \mathfrak{Q}	
	6819 Aug 23 22:14	0° \mathfrak{L}		evening rise	6820 Jul 13 10:50	4° \mathfrak{Q} 38'18	
desc. node	6819 Aug 24 07:03	0° \mathfrak{L} 20'42			6820 Jul 27 03:16	0° \mathfrak{N}	
retrograde	6819 Sep 06 12:36	6° \mathfrak{L} 44'57		evening max el	6820 Aug 04 06:38	10° \mathfrak{N} 06'25	22°35'07
evening set	6819 Sep 11 09:28	5° \mathfrak{L} 52'31		desc. node	6820 Aug 10 04:05	14° \mathfrak{N} 38'06	
min. Earth dist.	6819 Sep 17 04:52	2° \mathfrak{L} 58'15	0.56372 AU	retrograde	6820 Aug 17 09:10	16° \mathfrak{N} 38'10	
inferior conj	6819 Sep 19 16:10	1° \mathfrak{L} 26'01	-5°27'07	evening set	6820 Aug 20 17:41	16° \mathfrak{N} 13'29	
minimum elong	6819 Sep 19 15:36	1° \mathfrak{L} 26'54	5°27'07	min. Earth dist.	6820 Aug 28 13:59	12° \mathfrak{N} 46'15	0.55133 AU
	6819 Sep 22 00:46	30° \mathfrak{R} \mathfrak{N}		inferior conj	6820 Aug 29 18:11	12° \mathfrak{N} 06'11	-4°56'57
morning rise	6819 Sep 28 00:01	27° \mathfrak{N} 25'51		minimum elong	6820 Aug 29 10:52	12° \mathfrak{N} 16'37	4°55'43
direct	6819 Sep 30 16:43	27° \mathfrak{N} 06'42		morning rise	6820 Sep 07 05:57	8° \mathfrak{N} 17'15	
	6819 Oct 08 11:39	0° \mathfrak{L}					
morning max el	6819 Oct 10 12:44	1° \mathfrak{L} 43'42	19°43'45				

































































































































direct	6820 Sep 10 09:41	7° \mathbb{M} 54'28		direct	6821 Aug 21 18:02	17° Ω 53'42	
morning max el	6820 Sep 21 19:10	13° \mathbb{M} 14'00	21°04'59	morning max el	6821 Sep 03 14:28	24° Ω 00'48	22°43'35
asc. node	6820 Oct 01 16:43	26° \mathbb{M} 07'21			6821 Sep 09 00:15	0° \mathbb{M}	
	6820 Oct 03 22:52	0° \mathfrak{L}		asc. node	6821 Sep 18 13:44	14° \mathbb{M} 55'37	
morning set	6820 Oct 11 12:43	14° \mathfrak{L} 48'00		morning set	6821 Sep 25 23:33	29° \mathbb{M} 38'19	
					6821 Sep 26 03:40	0° \mathfrak{L}	
superior conj	6820 Oct 18 21:13	0° \mathbb{M} 08'56	1°41'26	superior conj	6821 Oct 03 00:48	14° \mathfrak{L} 43'17	1°41'39
minimum elong	6820 Oct 18 21:57	0° \mathbb{M} 12'43	1°41'27	minimum elong	6821 Oct 03 00:13	14° \mathfrak{L} 40'13	1°41'40
	6820 Oct 18 19:29	0° \mathbb{M}			6821 Oct 06 04:50	21° \mathfrak{L} 23'46	1.33926 AU
max. Earth dist.	6820 Oct 23 11:20	9° \mathbb{M} 25'37	1.35511 AU	max. Earth dist.	6821 Oct 10 10:36	0° \mathbb{M}	
evening rise	6820 Oct 27 13:31	17° \mathbb{M} 18'37		evening rise	6821 Oct 10 21:43	0° \mathbb{M} 54'45	
	6820 Nov 03 15:25	0° \mathfrak{X}		desc. node	6821 Oct 24 00:14	24° \mathbb{M} 19'21	
desc. node	6820 Nov 06 03:13	4° \mathfrak{X} 11'08			6821 Oct 27 15:17	0° \mathfrak{X}	
	6820 Nov 23 21:09	0° \mathfrak{Z}		evening max el	6821 Nov 14 13:20	22° \mathfrak{X} 38'24	27°11'00
evening max el	6820 Dec 02 00:32	9° \mathfrak{Z} 05'16	26°27'36	retrograde	6821 Nov 27 22:29	29° \mathfrak{X} 57'28	
retrograde	6820 Dec 14 21:31	16° \mathfrak{Z} 19'02		evening set	6821 Dec 04 18:31	27° \mathfrak{X} 19'19	
evening set	6820 Dec 21 06:50	13° \mathfrak{Z} 44'23		min. Earth dist.	6821 Dec 08 15:50	23° \mathfrak{X} 37'46	0.65051 AU
min. Earth dist.	6820 Dec 25 10:08	9° \mathfrak{Z} 28'15	0.66394 AU	inferior conj	6821 Dec 10 20:34	21° \mathfrak{X} 11'44	-1°34'28
inferior conj	6820 Dec 27 03:03	7° \mathfrak{Z} 24'48	-0°31'18	minimum elong	6821 Dec 10 23:22	21° \mathfrak{X} 03'59	1°33'15
minimum elong	6820 Dec 27 03:54	7° \mathfrak{Z} 22'12	0°30'52	asc. node	6821 Dec 15 13:03	16° \mathfrak{X} 40'18	
asc. node	6820 Dec 28 16:02	5° \mathfrak{Z} 35'25		morning rise	6821 Dec 17 05:28	15° \mathfrak{X} 40'10	
morning rise	6821 Jan 02 01:43	1° \mathfrak{Z} 40'11		direct	6821 Dec 19 20:53	15° \mathfrak{X} 03'11	
direct	6821 Jan 05 01:31	0° \mathfrak{Z} 49'48		morning max el	6821 Dec 26 07:38	18° \mathfrak{X} 28'11	18°01'24
morning max el	6821 Jan 11 15:53	4° \mathfrak{Z} 24'21	18°31'11		6822 Jan 03 21:38	0° \mathfrak{Z}	
	6821 Jan 29 12:00	0° \approx		morning set	6822 Jan 13 04:14	15° \mathfrak{Z} 09'12	
morning set	6821 Feb 01 01:11	4° \approx 02'47		desc. node	6822 Jan 19 23:30	26° \mathfrak{Z} 19'48	
desc. node	6821 Feb 02 02:30	5° \approx 43'11			6822 Jan 22 05:51	0° \approx	
superior conj	6821 Feb 17 00:43	29° \approx 13'19	-1°33'26	superior conj	6822 Jan 27 09:25	8° \approx 14'30	-0°50'55
minimum elong	6821 Feb 16 15:09	28° \approx 35'50	1°32'26	minimum elong	6822 Jan 27 03:19	7° \approx 50'20	0°50'04
max. Earth dist.	6821 Feb 17 05:29	29° \approx 31'56	1.45421 AU	max. Earth dist.	6822 Jan 31 01:13	14° \approx 01'23	1.45203 AU
	6821 Feb 17 12:39	0° \mathfrak{H}			6822 Feb 10 07:17	0° \mathfrak{H}	
evening rise	6821 Mar 04 19:23	24° \mathfrak{H} 03'27		evening rise	6822 Feb 12 14:37	3° \mathfrak{H} 33'44	
	6821 Mar 08 13:15	0° \mathbb{Y}		greatest brilliancy	6822 Feb 26 09:13	24° \mathfrak{H} 32'38	-0.7m
greatest brilliancy	6821 Mar 13 22:16	8° \mathbb{Y} 29'34	-0.8m		6822 Mar 02 03:24	0° \mathbb{Y}	
asc. node	6821 Mar 26 15:12	26° \mathbb{Y} 13'45		evening max el	6822 Mar 10 04:12	10° \mathbb{Y} 06'42	19°45'52
evening max el	6821 Mar 26 22:13	26° \mathbb{Y} 31'46	18°56'03	asc. node	6822 Mar 13 12:14	12° \mathbb{Y} 57'43	
	6821 Mar 31 20:21	0° \mathfrak{B}		retrograde	6822 Mar 17 14:39	14° \mathbb{Y} 24'06	
retrograde	6821 Apr 02 16:51	0° \mathfrak{B} 19'05		evening set	6822 Mar 21 07:00	13° \mathbb{Y} 04'51	
	6821 Apr 04 12:26	30° \mathfrak{R} \mathbb{Y}		inferior conj	6822 Mar 26 16:30	7° \mathbb{Y} 06'19	3°16'31
evening set	6821 Apr 06 01:16	29° \mathbb{Y} 14'08		minimum elong	6822 Mar 26 15:01	7° \mathbb{Y} 11'17	3°16'18
inferior conj	6821 Apr 11 14:51	23° \mathbb{Y} 30'22	3°27'05	min. Earth dist.	6822 Mar 27 17:55	5° \mathbb{Y} 41'36	0.67098 AU
minimum elong	6821 Apr 11 14:26	23° \mathbb{Y} 31'43	3°27'03	morning rise	6822 Mar 31 22:46	0° \mathbb{Y} 50'04	
min. Earth dist.	6821 Apr 13 07:02	21° \mathbb{Y} 24'07	0.65876 AU		6822 Apr 01 22:50	30° \mathfrak{R} \mathfrak{H}	
morning rise	6821 Apr 17 03:08	17° \mathbb{Y} 14'17		direct	6822 Apr 06 22:30	28° \mathfrak{H} 09'41	
direct	6821 Apr 23 14:08	14° \mathbb{Y} 26'17			6822 Apr 12 12:43	0° \mathbb{Y}	
desc. node	6821 May 01 01:54	17° \mathbb{Y} 20'32		desc. node	6822 Apr 17 22:55	4° \mathbb{Y} 20'36	
morning max el	6821 May 06 14:41	22° \mathbb{Y} 09'31	26°37'26	morning max el	6822 Apr 19 00:18	5° \mathbb{Y} 23'19	25°21'48
	6821 May 13 11:30	0° \mathfrak{B}			6822 May 07 23:17	0° \mathfrak{B}	
	6821 Jun 02 15:30	0° \mathbb{I}		morning set	6822 May 25 03:41	28° \mathfrak{B} 20'48	
morning set	6821 Jun 11 13:11	15° \mathbb{I} 58'25			6822 May 26 01:34	0° \mathbb{I}	
max. Earth dist.	6821 Jun 15 17:01	24° \mathbb{I} 02'21	1.34499 AU	max. Earth dist.	6822 May 28 20:00	5° \mathbb{I} 07'16	1.36304 AU
	6821 Jun 18 16:03	0° \mathfrak{E}					
superior conj	6821 Jun 20 07:30	3° \mathfrak{E} 22'44	-0°23'10	superior conj	6822 Jun 03 21:43	16° \mathbb{I} 51'49	-0°54'03
minimum elong	6821 Jun 20 08:47	3° \mathfrak{E} 29'22	0°22'57	minimum elong	6822 Jun 04 00:52	17° \mathbb{I} 07'30	0°53'32
asc. node	6821 Jun 22 14:23	8° \mathfrak{E} 08'37		asc. node	6822 Jun 09 11:25	28° \mathbb{I} 07'07	
evening rise	6821 Jun 27 20:19	19° \mathfrak{E} 09'16			6822 Jun 10 09:33	0° \mathfrak{E}	
	6821 Jul 03 05:44	0° Ω		evening rise	6822 Jun 12 01:37	3° \mathfrak{E} 23'42	
evening max el	6821 Jul 17 02:55	20° Ω 39'03	21°03'37		6822 Jun 27 18:08	0° Ω	
desc. node	6821 Jul 28 01:07	26° Ω 27'07		evening max el	6822 Jun 29 11:50	1° Ω 51'02	19°48'56
retrograde	6821 Jul 28 22:02	26° Ω 28'58		retrograde	6822 Jul 09 14:14	6° Ω 48'53	
evening set	6821 Jul 31 03:55	26° Ω 17'06		evening set	6822 Jul 11 11:11	6° Ω 39'22	
inferior conj	6821 Aug 09 11:04	22° Ω 19'32	-3°34'07	desc. node	6822 Jul 14 22:09	5° Ω 36'42	
minimum elong	6821 Aug 09 02:05	22° Ω 32'11	3°31'23	inferior conj	6822 Jul 20 09:16	2° Ω 37'47	-1°39'12
min. Earth dist.	6821 Aug 09 23:29	22° Ω 02'01	0.54735 AU	minimum elong	6822 Jul 20 04:42	2° Ω 44'49	1°37'31
morning rise	6821 Aug 18 00:41	18° Ω 23'25		min. Earth dist.	6822 Jul 22 11:35	1° Ω 20'31	0.55300 AU

	6822 Jul 24 19:33	30° RE		minimum elong	6823 Jul 01 01:21	13° $\text{E}27'16$	0°13'25
morning rise	6822 Jul 28 20:10	28° $\text{E}14'03$		transit middle	6823 Jul 01 01:21	13° $\text{E}27'16$	0°13'25
direct	6822 Aug 02 07:38	27° $\text{E}29'50$		transit begin	6823 Jun 30 23:18	13° $\text{E}30'55$	
	6822 Aug 10 12:58	0° O		transit end	6823 Jul 01 03:24	13° $\text{E}23'36$	
morning max el	6822 Aug 16 04:00	4° $\text{O}21'28$	24°28'38	desc. node	6823 Jul 01 19:12	12° $\text{E}55'24$	
	6822 Sep 03 05:49	0° M		min. Earth dist.	6823 Jul 04 03:19	11° $\text{E}16'40$	0.56730 AU
asc. node	6822 Sep 05 10:44	4° $\text{M}12'34$		morning rise	6823 Jul 09 02:11	8° $\text{E}27'59$	
morning set	6822 Sep 10 11:17	14° $\text{M}29'26$		direct	6823 Jul 14 11:13	7° $\text{E}18'47$	
				morning max el	6823 Jul 28 18:17	14° $\text{E}43'32$	26°04'20
superior conj	6822 Sep 17 09:11	29° $\text{M}30'06$	1°35'40		6823 Aug 09 23:30	0° O	
minimum elong	6822 Sep 17 07:37	29° $\text{M}21'36$	1°35'34	asc. node	6823 Aug 23 07:45	23° $\text{O}50'34$	
	6822 Sep 17 14:40	0° E		morning set	6823 Aug 25 22:18	29° $\text{O}16'36$	
max. Earth dist.	6822 Sep 19 06:25	3° $\text{E}35'34$	1.32767 AU		6823 Aug 26 06:28	0° M	
evening rise	6822 Sep 24 16:40	15° $\text{E}00'03$					
	6822 Oct 02 12:07	0° M		superior conj	6823 Sep 01 20:15	14° $\text{M}22'31$	1°24'12
desc. node	6822 Oct 10 21:15	14° $\text{M}02'12$		minimum elong	6823 Sep 01 18:07	14° $\text{M}10'43$	1°23'56
	6822 Oct 22 13:31	0° A		max. Earth dist.	6823 Sep 02 14:13	16° $\text{M}01'43$	1.32056 AU
evening max el	6822 Oct 28 00:28	5° $\text{A}48'26$	27°28'10	evening rise	6823 Sep 08 19:19	29° $\text{M}26'10$	
retrograde	6822 Nov 10 17:08	13° $\text{A}06'06$			6823 Sep 09 01:48	0° E	
evening set	6822 Nov 17 19:37	10° $\text{A}33'11$			6823 Sep 25 15:27	0° M	
min. Earth dist.	6822 Nov 21 12:23	7° $\text{A}23'11$	0.63378 AU	desc. node	6823 Sep 27 18:18	3° $\text{M}09'22$	
inferior conj	6822 Nov 24 04:35	4° $\text{A}42'55$	-2°40'58	evening max el	6823 Oct 10 07:49	18° $\text{M}23'17$	27°13'39
minimum elong	6822 Nov 24 09:29	4° $\text{A}30'40$	2°39'05	retrograde	6823 Oct 24 04:30	25° $\text{M}35'37$	
	6822 Nov 29 20:53	30° RM		evening set	6823 Oct 31 06:33	23° $\text{M}19'03$	
morning rise	6822 Dec 01 01:08	29° $\text{M}27'23$		min. Earth dist.	6823 Nov 03 22:34	20° $\text{M}33'08$	0.61442 AU
asc. node	6822 Dec 02 10:04	29° $\text{M}05'00$		inferior conj	6823 Nov 07 00:01	17° $\text{M}50'50$	-3°46'48
direct	6822 Dec 03 10:30	28° $\text{M}59'59$		minimum elong	6823 Nov 07 06:34	17° $\text{M}36'19$	3°44'44
	6822 Dec 06 22:52	0° A		morning rise	6823 Nov 14 08:41	12° $\text{M}54'25$	
morning max el	6822 Dec 10 00:49	2° $\text{A}24'46$	17°48'53	direct	6823 Nov 16 15:01	12° $\text{M}32'59$	
morning set	6822 Dec 26 09:10	27° $\text{A}30'21$		asc. node	6823 Nov 19 07:06	13° $\text{M}03'57$	
	6822 Dec 27 19:40	0° E		morning max el	6823 Nov 23 16:12	16° $\text{M}05'57$	17°54'37
desc. node	6823 Jan 06 20:29	17° $\text{E}02'41$			6823 Dec 03 09:19	0° A	
				morning set	6823 Dec 09 09:33	10° $\text{A}46'44$	
superior conj	6823 Jan 07 14:31	18° $\text{E}17'12$	-0°05'24				
minimum elong	6823 Jan 07 13:56	18° $\text{E}14'50$	0°05'15	superior conj	6823 Dec 19 21:39	29° $\text{A}35'02$	0°34'36
behind sun begin	6823 Jan 07 04:53	17° $\text{E}37'26$		minimum elong	6823 Dec 20 00:29	29° $\text{A}47'17$	0°34'15
behind sun end	6823 Jan 07 23:00	18° $\text{E}52'09$			6823 Dec 20 03:25	0° E	
max. Earth dist.	6823 Jan 13 18:48	28° $\text{E}18'46$	1.44271 AU	desc. node	6823 Dec 24 17:28	7° $\text{E}48'33$	
	6823 Jan 14 20:12	0° E		max. Earth dist.	6823 Dec 27 08:32	12° $\text{E}10'07$	1.42743 AU
evening rise	6823 Jan 23 01:14	12° $\text{E}49'54$		evening rise	6824 Jan 02 19:00	22° $\text{E}31'07$	
	6823 Feb 03 10:10	0° A			6824 Jan 07 14:40	0° E	
evening max el	6823 Feb 21 04:47	23° $\text{A}43'05$	20°49'51		6824 Jan 28 15:36	0° A	
asc. node	6823 Feb 28 09:17	28° $\text{A}30'59$		evening max el	6824 Feb 04 00:09	7° $\text{A}21'08$	22°04'12
retrograde	6823 Mar 01 13:05	28° $\text{A}38'01$		retrograde	6824 Feb 13 10:14	12° $\text{A}56'35$	
evening set	6823 Mar 05 14:37	27° $\text{A}03'58$		asc. node	6824 Feb 15 06:20	12° $\text{A}39'02$	
inferior conj	6823 Mar 10 22:26	20° $\text{A}53'13$	2°54'49	evening set	6824 Feb 17 22:25	11° $\text{A}07'17$	
minimum elong	6823 Mar 10 20:18	21° $\text{A}00'33$	2°54'21	inferior conj	6824 Feb 23 06:28	4° $\text{A}47'12$	2°23'37
min. Earth dist.	6823 Mar 11 10:23	20° $\text{A}12'00$	0.67881 AU	minimum elong	6824 Feb 23 04:09	4° $\text{A}55'17$	2°22'58
morning rise	6823 Mar 16 01:46	14° $\text{A}38'51$		min. Earth dist.	6824 Feb 23 06:06	4° $\text{A}48'28$	0.68247 AU
direct	6823 Mar 21 12:02	12° $\text{A}14'25$			6824 Feb 26 23:36	30° RE	
morning max el	6823 Apr 01 09:10	18° $\text{A}44'24$	23°54'26	morning rise	6824 Feb 28 09:42	28° $\text{E}36'21$	
desc. node	6823 Apr 04 19:55	22° $\text{A}29'17$		direct	6824 Mar 04 05:43	26° $\text{E}32'53$	
	6823 Apr 10 20:50	0° Y			6824 Mar 11 11:12	0° A	
	6823 May 01 02:03	0° E		morning max el	6824 Mar 13 19:46	2° $\text{A}11'36$	22°25'12
morning set	6823 May 06 21:16	9° $\text{E}41'35$		desc. node	6824 Mar 21 16:53	11° $\text{A}26'50$	
max. Earth dist.	6823 May 10 16:02	16° $\text{E}17'33$	1.38433 AU		6824 Apr 03 20:36	0° Y	
				morning set	6824 Apr 16 12:13	19° $\text{Y}45'20$	
superior conj	6823 May 17 23:25	29° $\text{E}42'24$	-1°24'07	max. Earth dist.	6824 Apr 21 12:49	28° $\text{Y}06'08$	1.40659 AU
minimum elong	6823 May 18 04:16	0° $\text{I}05'22$	1°23'28		6824 Apr 22 15:37	0° E	
	6823 May 18 03:08	0° I					
evening rise	6823 May 27 00:04	17° $\text{I}14'32$		superior conj	6824 Apr 29 08:09	11° $\text{E}42'52$	-1°50'05
asc. node	6823 May 27 08:27	17° $\text{I}55'33$		minimum elong	6824 Apr 29 13:33	12° $\text{E}07'09$	1°49'38
	6823 Jun 02 17:39	0° E			6824 May 09 05:26	0° I	
evening max el	6823 Jun 12 09:02	13° $\text{E}47'20$	18°54'31	evening rise	6824 May 09 12:19	0° $\text{I}32'21$	
retrograde	6823 Jun 20 20:52	17° $\text{E}58'18$		asc. node	6824 May 13 05:30	7° $\text{I}28'28$	
evening set	6823 Jun 22 21:07	17° $\text{E}45'10$		evening max el	6824 May 25 15:09	26° $\text{I}19'52$	18°20'34
inferior conj	6823 Jul 01 00:48	13° $\text{E}28'14$	0°13'42	retrograde	6824 Jun 01 22:40	29° $\text{I}58'52$	

evening set	6824 Jun 04 06:02	29° Π 37'58		evening set	6825 May 18 08:10	12° Π 11'19	
inferior conj	6824 Jun 11 13:55	25° Π 00'36	1°42'16	inferior conj	6825 May 24 23:09	7° Π 13'26	2°41'18
minimum elong	6824 Jun 11 16:56	24° Π 54'18	1°41'16	minimum elong	6825 May 25 02:10	7° Π 06'07	2°40'34
min. Earth dist.	6824 Jun 14 23:57	22° Π 11'14	0.58734 AU	min. Earth dist.	6825 May 28 03:53	4° Π 09'40	0.60959 AU
desc. node	6824 Jun 17 16:14	20° Π 15'32		morning rise	6825 May 31 17:56	1° Π 17'28	
morning rise	6824 Jun 19 00:41	19° Π 27'41			6825 Jun 03 02:31	30° \Re 8	
direct	6824 Jun 25 04:38	17° Π 46'29		desc. node	6825 Jun 04 13:16	29° \Re 28'54	
morning max el	6824 Jul 09 13:48	25° Π 32'04	27°15'12	direct	6825 Jun 07 09:37	29° \Re 04'50	
	6824 Jul 13 17:23	0° \Im			6825 Jun 11 21:34	0° Π	
	6824 Aug 02 07:36	0° Ω		morning max el	6825 Jun 21 16:08	7° Π 02'40	27°50'57
morning set	6824 Aug 09 06:58	13° Ω 54'16			6825 Jul 09 01:14	0° \Im	
asc. node	6824 Aug 09 04:46	13° Ω 42'46		morning set	6825 Jul 24 11:26	28° \Im 17'16	
					6825 Jul 25 07:15	0° Ω	
superior conj	6824 Aug 16 08:05	29° Ω 13'48	1°07'50	asc. node	6825 Jul 27 01:48	3° Ω 44'18	
minimum elong	6824 Aug 16 05:50	29° Ω 01'17	1°07'25	max. Earth dist.	6825 Jul 30 10:40	11° Ω 01'21	1.31950 AU
max. Earth dist.	6824 Aug 16 00:53	28° Ω 33'53	1.31784 AU				
	6824 Aug 16 16:26	0° Π		superior conj	6825 Jul 31 18:56	13° Ω 58'27	0°47'00
evening rise	6824 Aug 23 03:05	14° Π 04'48		minimum elong	6825 Jul 31 17:02	13° Ω 48'00	0°46'34
	6824 Aug 31 02:33	0° Ω		evening rise	6825 Aug 07 13:51	28° Ω 49'22	
desc. node	6824 Sep 13 15:22	21° Ω 26'19			6825 Aug 08 03:06	0° Π	
	6824 Sep 21 03:49	0° Π			6825 Aug 24 18:29	0° Ω	
evening max el	6824 Sep 21 08:42	0° Π 11'36	26°25'26	desc. node	6825 Aug 31 12:26	8° Ω 32'49	
retrograde	6824 Oct 05 07:00	7° Π 18'12		evening max el	6825 Sep 03 01:35	11° Ω 09'40	25°07'26
evening set	6824 Oct 11 22:41	5° Π 29'17		retrograde	6825 Sep 16 22:59	18° Ω 10'47	
min. Earth dist.	6824 Oct 15 22:10	2° Π 54'34	0.59367 AU	evening set	6825 Sep 22 15:20	16° Ω 57'18	
inferior conj	6824 Oct 19 03:21	0° Π 26'00	-4°44'34	min. Earth dist.	6825 Sep 27 13:00	14° Ω 15'46	0.57370 AU
minimum elong	6824 Oct 19 09:51	0° Π 13'26	4°43'11	inferior conj	6825 Sep 30 11:21	12° Ω 18'17	-5°21'46
	6824 Oct 19 16:50	30° \Re 5		minimum elong	6825 Sep 30 14:27	12° Ω 13'04	5°21'31
morning rise	6824 Oct 26 23:12	25° Ω 51'40		morning rise	6825 Oct 08 15:50	8° Ω 07'05	
direct	6824 Oct 29 06:19	25° Ω 33'05		direct	6825 Oct 11 04:00	7° Ω 48'45	
asc. node	6824 Nov 05 04:08	28° Ω 31'48		morning max el	6825 Oct 20 03:57	12° Ω 04'55	19°06'55
morning max el	6824 Nov 06 02:26	29° Ω 22'45	18°20'06	asc. node	6825 Oct 23 01:09	15° Ω 14'13	
	6824 Nov 06 17:17	0° Π			6825 Nov 01 07:10	0° Π	
morning set	6824 Nov 21 23:40	24° Π 41'57		morning set	6825 Nov 05 23:09	9° Π 02'41	
	6824 Nov 24 18:22	0° \Re					
superior conj	6824 Dec 01 04:22	12° \Re 00'59	1°05'16	superior conj	6825 Nov 14 05:20	25° Π 19'33	1°26'09
minimum elong	6824 Dec 01 08:01	12° \Re 17'41	1°04'51	minimum elong	6825 Nov 14 08:15	25° Π 33'36	1°25'55
max. Earth dist.	6824 Dec 08 17:49	25° \Re 24'41	1.40792 AU		6825 Nov 16 16:10	0° \Re	
desc. node	6824 Dec 10 14:30	28° \Re 34'17		max. Earth dist.	6825 Nov 20 23:36	7° \Re 56'54	1.38651 AU
	6824 Dec 11 10:57	0° \Re		evening rise	6825 Nov 24 18:30	14° \Re 38'16	
evening rise	6824 Dec 13 07:34	3° \Re 04'52		desc. node	6825 Nov 27 11:32	19° \Re 15'39	
	6824 Dec 30 22:09	0° \approx			6825 Dec 04 02:14	0° \Re	
evening max el	6825 Jan 16 15:37	21° \approx 02'35	23°23'45		6825 Dec 25 18:14	0° \approx	
retrograde	6825 Jan 27 04:39	27° \approx 16'32		evening max el	6825 Dec 30 04:51	4° \approx 46'54	24°42'25
evening set	6825 Feb 01 04:53	25° \approx 12'01		retrograde	6826 Jan 10 19:18	11° \approx 32'48	
asc. node	6825 Feb 01 03:23	25° \approx 15'10		evening set	6826 Jan 16 08:27	9° \approx 14'06	
min. Earth dist.	6825 Feb 06 02:51	19° \approx 27'02	0.68213 AU	asc. node	6826 Jan 19 00:26	6° \approx 28'46	
inferior conj	6825 Feb 06 14:46	18° \approx 46'07	1°44'04	min. Earth dist.	6826 Jan 20 22:19	4° \approx 03'19	0.67797 AU
minimum elong	6825 Feb 06 12:42	18° \approx 53'12	1°43'23	inferior conj	6826 Jan 21 21:28	2° \approx 46'33	0°56'53
morning rise	6825 Feb 11 20:27	12° \approx 40'16		minimum elong	6826 Jan 21 20:09	2° \approx 50'55	0°56'25
direct	6825 Feb 16 02:26	10° \approx 59'36			6826 Jan 24 01:24	30° \Re 3	
morning max el	6825 Feb 24 11:59	15° \approx 49'42	21°02'27	morning rise	6826 Jan 27 08:01	26° \Re 47'20	
	6825 Mar 07 20:45	0° \Re		direct	6826 Jan 31 00:58	25° \Re 28'35	
desc. node	6825 Mar 08 13:52	1° \Re 00'07		morning max el	6826 Feb 07 12:02	29° \Re 40'08	19°51'40
morning set	6825 Mar 26 23:53	28° \Re 34'24			6826 Feb 07 19:56	0° \approx	
	6825 Mar 27 21:41	0° Υ		greatest brilliancy	6826 Feb 20 13:51	16° \approx 43'32	-0.6m
max. Earth dist.	6825 Apr 03 16:18	10° Υ 51'16	1.42689 AU	desc. node	6826 Feb 23 10:52	20° \approx 59'03	
					6826 Mar 01 10:06	0° \Re	
superior conj	6825 Apr 10 19:07	22° Υ 42'39	-2°07'10	morning set	6826 Mar 05 20:46	6° \Re 48'49	
minimum elong	6825 Apr 10 22:24	22° Υ 56'38	2°07'04	max. Earth dist.	6826 Mar 17 03:03	24° \Re 25'46	1.44262 AU
	6825 Apr 15 00:37	0° \Re			6826 Mar 20 14:31	0° Υ	
evening rise	6825 Apr 22 10:18	13° \Re 08'02		superior conj	6826 Mar 22 04:55	2° Υ 35'19	-2°09'26
asc. node	6825 Apr 30 02:33	26° \Re 40'24		minimum elong	6826 Mar 22 02:29	2° Υ 25'25	2°09'23
	6825 May 02 03:02	0° Π		evening rise	6826 Apr 04 13:24	24° Υ 51'37	
evening max el	6825 May 09 02:27	9° Π 19'14	18°06'25		6826 Apr 07 13:41	0° \Re	
retrograde	6825 May 15 17:36	12° Π 42'43		asc. node	6826 Apr 16 23:36	15° \Re 23'59	

evening max el	6826 Apr 22 15:31	22°♄36'22	18°11'25	asc. node	6827 Apr 03 20:38	3°♄30'20	
retrograde	6826 Apr 29 01:04	25°♄59'09		evening max el	6827 Apr 06 03:33	6°♄04'19	18°34'47
evening set	6826 May 01 22:23	25°♄15'38		retrograde	6827 Apr 12 16:38	9°♄39'25	
inferior conj	6826 May 08 00:33	19°♄58'47	3°14'28	evening set	6827 Apr 15 20:47	8°♄42'38	
minimum elong	6826 May 08 02:22	19°♄53'48	3°14'12	inferior conj	6827 Apr 21 14:01	3°♄08'26	3°27'11
min. Earth dist.	6826 May 10 16:54	17°♄03'56	0.63101 AU	minimum elong	6827 Apr 21 14:22	3°♄07'23	3°27'08
morning rise	6826 May 14 05:00	13°♄49'40		min. Earth dist.	6827 Apr 23 15:14	0°♄40'41	0.64972 AU
direct	6826 May 21 00:17	11°♄13'24			6827 Apr 24 05:17	30°♄	
desc. node	6826 May 22 10:16	11°♄19'38		morning rise	6827 Apr 27 07:13	26°♄53'28	
morning max el	6826 Jun 03 23:46	19°♄15'28	27°48'40	direct	6827 May 03 22:55	24°♄05'44	
	6826 Jun 13 02:24	0°♄		desc. node	6827 May 09 07:17	25°♄35'15	
	6826 Jul 01 23:47	0°♄			6827 May 15 07:40	0°♄	
morning set	6826 Jul 08 09:33	12°♄19'09		morning max el	6827 May 17 09:43	2°♄00'26	27°11'35
max. Earth dist.	6826 Jul 13 15:28	23°♄11'21	1.32560 AU		6827 Jun 07 07:14	0°♄	
asc. node	6826 Jul 13 22:51	23°♄50'41		morning set	6827 Jun 21 22:23	25°♄50'31	
					6827 Jun 24 01:12	0°♄	
superior conj	6826 Jul 16 02:58	28°♄30'56	0°22'13	max. Earth dist.	6827 Jun 26 11:16	4°♄52'34	1.33646 AU
minimum elong	6826 Jul 16 01:56	28°♄25'19	0°21'56				
	6826 Jul 16 19:24	0°♄		superior conj	6827 Jun 30 06:03	12°♄44'07	-0°05'54
evening rise	6826 Jul 23 01:37	13°♄33'46		minimum elong	6827 Jun 30 06:22	12°♄45'45	0°05'54
	6826 Jul 31 07:14	0°♄		behind sun begin	6827 Jun 30 01:09	12°♄18'16	
evening max el	6826 Aug 15 13:30	21°♄32'47	23°31'48	behind sun end	6827 Jun 30 11:35	13°♄13'17	
desc. node	6826 Aug 18 09:29	24°♄02'01		asc. node	6827 Jun 30 19:51	13°♄57'00	
retrograde	6826 Aug 29 03:14	28°♄21'01		evening rise	6827 Jul 07 12:27	28°♄10'58	
evening set	6826 Sep 02 08:32	27°♄41'56			6827 Jul 08 09:16	0°♄	
min. Earth dist.	6826 Sep 08 23:15	24°♄35'16	0.55755 AU		6827 Jul 26 09:21	0°♄	
inferior conj	6826 Sep 10 23:19	23°♄23'53	-5°20'58	evening max el	6827 Jul 28 04:26	1°♄52'28	21°54'43
minimum elong	6826 Sep 10 19:40	23°♄29'18	5°20'42	desc. node	6827 Aug 05 06:32	7°♄19'57	
morning rise	6826 Sep 19 09:09	19°♄30'35		retrograde	6827 Aug 09 19:51	8°♄08'52	
direct	6826 Sep 22 06:02	19°♄10'20		evening set	6827 Aug 12 14:41	7°♄51'31	
morning max el	6826 Oct 02 17:53	24°♄04'06	20°15'49	inferior conj	6827 Aug 21 19:57	3°♄49'54	-4°27'44
	6826 Oct 07 21:19	0°♄		minimum elong	6827 Aug 21 11:01	4°♄02'24	4°25'39
asc. node	6826 Oct 09 22:11	2°♄56'14		min. Earth dist.	6827 Aug 21 08:36	4°♄05'48	0.54843 AU
morning set	6826 Oct 21 04:51	23°♄40'11		morning rise	6827 Aug 30 08:46	0°♄00'09	
	6826 Oct 24 06:44	0°♄			6827 Aug 30 09:00	30°♄	
				direct	6827 Sep 02 17:36	29°♄35'08	
superior conj	6826 Oct 28 19:38	9°♄16'40	1°38'07		6827 Sep 06 00:04	0°♄	
minimum elong	6826 Oct 28 21:12	9°♄24'33	1°38'05	morning max el	6827 Sep 14 19:16	5°♄15'25	21°45'12
max. Earth dist.	6826 Nov 03 05:56	19°♄57'18	1.36583 AU	asc. node	6827 Sep 26 19:12	21°♄23'28	
evening rise	6826 Nov 07 02:06	27°♄07'36			6827 Oct 01 10:37	0°♄	
	6826 Nov 08 16:16	0°♄		morning set	6827 Oct 05 14:19	8°♄27'03	
desc. node	6826 Nov 14 08:36	9°♄48'36					
	6826 Nov 27 12:09	0°♄		superior conj	6827 Oct 12 19:14	23°♄39'54	1°42'19
evening max el	6826 Dec 12 17:36	18°♄32'20	25°53'13	minimum elong	6827 Oct 12 19:23	23°♄40'40	1°42'21
retrograde	6826 Dec 25 05:18	25°♄39'55			6827 Oct 15 20:43	0°♄	
evening set	6826 Dec 31 07:26	23°♄09'46		max. Earth dist.	6827 Oct 16 18:18	1°♄49'32	1.34790 AU
min. Earth dist.	6827 Jan 04 14:20	18°♄33'31	0.67009 AU	evening rise	6827 Oct 21 02:29	10°♄22'23	
asc. node	6827 Jan 05 21:27	16°♄55'44		desc. node	6827 Nov 01 05:39	0°♄07'34	
inferior conj	6827 Jan 06 00:43	16°♄45'28	0°02'45		6827 Nov 01 03:48	0°♄	
minimum elong	6827 Jan 06 00:38	16°♄45'42	0°02'46		6827 Nov 23 01:47	0°♄	
transit middle	6827 Jan 06 00:38	16°♄45'42	0°02'46	evening max el	6827 Nov 25 06:41	2°♄13'08	26°48'51
transit begin	6827 Jan 05 21:51	16°♄54'30		retrograde	6827 Dec 08 09:52	9°♄30'44	
transit end	6827 Jan 06 03:26	16°♄36'55		evening set	6827 Dec 14 23:54	6°♄53'51	
morning rise	6827 Jan 11 18:22	10°♄54'48		min. Earth dist.	6827 Dec 19 00:34	2°♄52'20	0.65862 AU
direct	6827 Jan 14 23:48	9°♄55'14		inferior conj	6827 Dec 20 22:28	0°♄38'24	-0°57'31
morning max el	6827 Jan 21 19:43	13°♄40'14	18°55'49	minimum elong	6827 Dec 21 00:06	0°♄33'37	0°56'47
	6827 Feb 03 00:24	0°♄			6827 Dec 21 11:39	30°♄	
desc. node	6827 Feb 10 07:52	11°♄16'47		asc. node	6827 Dec 23 18:29	27°♄30'54	
morning set	6827 Feb 13 03:26	15°♄40'05		morning rise	6827 Dec 27 01:16	24°♄58'48	
	6827 Feb 22 07:46	0°♄		direct	6827 Dec 29 21:08	24°♄14'40	
max. Earth dist.	6827 Feb 27 19:04	8°♄34'02	1.45203 AU	morning max el	6828 Jan 05 09:13	27°♄44'20	18°16'21
					6828 Jan 07 10:43	0°♄	
superior conj	6827 Mar 01 16:49	11°♄33'51	-1°52'08	morning set	6828 Jan 24 13:25	25°♄55'53	
minimum elong	6827 Mar 01 08:17	11°♄00'16	1°51'29		6828 Jan 27 02:01	0°♄	
	6827 Mar 13 06:33	0°♄		desc. node	6828 Jan 28 04:53	1°♄47'54	
evening rise	6827 Mar 16 17:53	5°♄37'22					
	6827 Apr 01 04:50	0°♄		superior conj	6828 Feb 08 20:54	20°♄18'45	-1°16'28

minimum elong	6828 Feb 08 12:10	19°  44'24	1°15'25	max. Earth dist.	6829 Jan 23 09:38	7°  28'10	1.44893 AU
max. Earth dist.	6828 Feb 10 14:12	23°  00'40	1.45417 AU	evening rise	6829 Feb 03 13:20	24°  49'59	
	6828 Feb 15 01:25	0°  ✠			6829 Feb 06 22:20	0°  ✠	
evening rise	6828 Feb 24 23:34	15°  ✠30'01		greatest brilliancy	6829 Feb 18 08:08	17°  ✠07'16	-0.6m
	6828 Mar 05 06:48	0°  ♿			6829 Feb 27 18:40	0°  ♿	
greatest brilliancy	6828 Mar 07 07:14	3°  ♿06'00	-0.7m	evening max el	6829 Mar 02 16:10	3°  ♿14'43	20°11'37
evening max el	6828 Mar 19 12:20	19°  ♿38'35	19°15'25	asc. node	6829 Mar 07 14:44	7°  ♿04'41	
asc. node	6828 Mar 20 17:41	20°  ♿48'42		retrograde	6829 Mar 10 11:06	7°  ♿46'52	
retrograde	6828 Mar 26 12:52	23°  ♿37'23		evening set	6829 Mar 14 07:17	6°  ♿21'15	
evening set	6828 Mar 30 00:31	22°  ♿26'31		inferior conj	6829 Mar 19 15:48	0°  ♿17'21	3°08'30
inferior conj	6828 Apr 04 12:04	16°  ♿36'31	3°24'05	minimum elong	6829 Mar 19 14:00	0°  ♿23'30	3°08'12
minimum elong	6828 Apr 04 11:08	16°  ♿39'31	3°23'59		6829 Mar 19 20:55	30°  ♿✠	
min. Earth dist.	6828 Apr 05 21:56	14°  ♿47'08	0.66451 AU	min. Earth dist.	6829 Mar 20 11:18	29°  ♿✠11'16	0.67490 AU
morning rise	6828 Apr 09 21:24	10°  ♿20'08		morning rise	6829 Mar 24 20:30	24°  ♿✠01'58	
direct	6828 Apr 16 04:08	7°  ♿33'48		direct	6829 Mar 30 14:46	21°  ♿✠27'34	
desc. node	6828 Apr 25 04:16	11°  ♿44'33		morning max el	6829 Apr 11 04:38	28°  ♿✠23'14	24°45'26
morning max el	6828 Apr 28 19:39	15°  ♿06'22	26°07'17	desc. node	6829 Apr 12 01:15	29°  ♿✠16'27	
	6828 May 11 00:32	0°  ♿♿			6829 Apr 12 17:36	0°  ♿♿	
	6828 May 30 02:49	0°  ♿♿			6829 May 04 18:21	0°  ♿♿	
morning set	6828 Jun 03 22:20	8°  ♿♿41'37		morning set	6829 May 17 04:33	20°  ♿♿39'02	
max. Earth dist.	6828 Jun 07 19:59	16°  ♿♿05'58	1.35215 AU	max. Earth dist.	6829 May 20 19:20	27°  ♿♿09'28	1.37190 AU
					6829 May 22 08:16	0°  ♿♿	
superior conj	6828 Jun 13 01:50	26°  ♿♿31'48	-0°36'12	superior conj	6829 May 27 11:11	9°  ♿♿45'36	-1°07'04
minimum elong	6828 Jun 13 03:53	26°  ♿♿42'17	0°35'51	minimum elong	6829 May 27 15:07	10°  ♿♿04'47	1°06'28
	6828 Jun 14 18:30	0°  ♿♿		asc. node	6829 Jun 03 13:55	23°  ♿♿54'24	
asc. node	6828 Jun 16 16:53	3°  ♿♿59'40		evening rise	6829 Jun 04 23:08	26°  ♿♿40'49	
evening rise	6828 Jun 20 20:25	12°  ♿♿35'36			6829 Jun 06 15:11	0°  ♿♿	
	6828 Jun 29 22:11	0°  ♿♿		evening max el	6829 Jun 21 20:20	24°  ♿♿11'15	19°23'11
evening max el	6828 Jul 09 05:57	12°  ♿♿40'35	20°29'32	retrograde	6829 Jul 01 05:09	28°  ♿♿47'37	
retrograde	6828 Jul 20 07:58	18°  ♿♿07'57		evening set	6829 Jul 03 02:47	28°  ♿♿37'02	
evening set	6828 Jul 22 08:07	17°  ♿♿58'00		desc. node	6829 Jul 09 00:32	26°  ♿♿11'32	
desc. node	6828 Jul 22 03:32	17°  ♿♿59'47		inferior conj	6829 Jul 11 17:36	24°  ♿♿29'36	-0°49'14
inferior conj	6828 Jul 31 13:12	14°  ♿♿00'56	-2°47'16	minimum elong	6829 Jul 11 15:24	24°  ♿♿33'10	0°48'27
minimum elong	6828 Jul 31 05:37	14°  ♿♿11'54	2°44'40	min. Earth dist.	6829 Jul 14 08:08	22°  ♿♿48'14	0.55821 AU
min. Earth dist.	6828 Aug 01 19:03	13°  ♿♿17'45	0.54862 AU	morning rise	6829 Jul 20 01:19	19°  ♿♿51'03	
morning rise	6828 Aug 09 02:24	9°  ♿♿55'04		direct	6829 Jul 24 22:00	18°  ♿♿57'32	
direct	6828 Aug 13 03:11	9°  ♿♿20'05		morning max el	6829 Aug 07 23:59	26°  ♿♿03'54	25°11'37
morning max el	6828 Aug 26 11:05	15°  ♿♿47'14	23°28'14		6829 Aug 11 17:45	0°  ♿♿	
	6828 Sep 06 16:23	0°  ♿♿♿		asc. node	6829 Aug 30 13:15	29°  ♿♿51'50	
asc. node	6828 Sep 12 16:13	10°  ♿♿10'24'56			6829 Aug 30 14:53	0°  ♿♿♿	
morning set	6828 Sep 19 01:44	23°  ♿♿18'01		morning set	6829 Sep 03 13:23	8°  ♿♿10'08'15	
	6828 Sep 22 04:43	0°  ♿♿♿					
superior conj	6828 Sep 26 01:07	8°  ♿♿20'08	1°39'49	superior conj	6829 Sep 10 10:54	23°  ♿♿10'03	1°31'27
minimum elong	6828 Sep 26 00:05	8°  ♿♿14'33	1°39'47	minimum elong	6829 Sep 10 09:02	22°  ♿♿59'52	1°31'16
max. Earth dist.	6828 Sep 28 15:27	13°  ♿♿53'08	1.33386 AU	max. Earth dist.	6829 Sep 11 20:17	26°  ♿♿12'51	1.32411 AU
evening rise	6828 Oct 03 15:41	24°  ♿♿12'11			6829 Sep 13 14:09	0°  ♿♿♿	
	6828 Oct 06 14:51	0°  ♿♿♿		evening rise	6829 Sep 17 14:15	8°  ♿♿27'27	
desc. node	6828 Oct 18 02:40	20°  ♿♿06'03			6829 Sep 29 00:30	0°  ♿♿♿	
	6828 Oct 24 17:19	0°  ♿♿♿		desc. node	6829 Oct 04 23:42	9°  ♿♿35'33	
evening max el	6828 Nov 06 19:16	15°  ♿♿38'51	27°21'56	evening max el	6829 Oct 20 05:15	28°  ♿♿36'18	27°26'07
retrograde	6828 Nov 20 08:06	22°  ♿♿57'18			6829 Oct 21 18:07	0°  ♿♿♿	
evening set	6828 Nov 27 07:26	20°  ♿♿20'34		retrograde	6829 Nov 02 23:33	5°  ♿♿51'11	
min. Earth dist.	6828 Dec 01 02:44	16°  ♿♿52'44	0.64378 AU	evening set	6829 Nov 10 03:03	3°  ♿♿23'50	
inferior conj	6828 Dec 03 12:18	14°  ♿♿19'46	-2°02'28	min. Earth dist.	6829 Nov 13 18:52	0°  ♿♿25'27	0.62584 AU
minimum elong	6828 Dec 03 16:00	14°  ♿♿09'55	2°00'56		6829 Nov 14 05:52	30°  ♿♿♿♿	
asc. node	6828 Dec 09 15:31	9°  ♿♿06'18		inferior conj	6829 Nov 16 15:26	27°  ♿♿42'48	-3°09'18
morning rise	6828 Dec 10 02:00	8°  ♿♿54'16		minimum elong	6829 Nov 16 21:09	27°  ♿♿29'13	3°07'14
direct	6828 Dec 12 14:33	8°  ♿♿21'45		morning rise	6829 Nov 23 17:08	22°  ♿♿34'59	
morning max el	6828 Dec 19 01:53	11°  ♿♿45'36	17°53'51	direct	6829 Nov 26 00:58	22°  ♿♿10'24	
	6828 Dec 31 15:51	0°  ♿♿♿		asc. node	6829 Nov 26 12:34	22°  ♿♿11'29	
morning set	6829 Jan 05 04:17	7°  ♿♿36'53		morning max el	6829 Dec 02 18:45	25°  ♿♿37'17	17°49'03
desc. node	6829 Jan 14 01:52	22°  ♿♿27'37			6829 Dec 06 11:03	0°  ♿♿♿	
				morning set	6829 Dec 18 18:23	20°  ♿♿24'51	
superior conj	6829 Jan 18 12:45	29°  ♿♿41'54	-0°31'20		6829 Dec 24 04:56	0°  ♿♿♿	
minimum elong	6829 Jan 18 09:06	29°  ♿♿27'12	0°30'45	superior conj	6829 Dec 30 05:00	10°  ♿♿31'26	0°12'35
	6829 Jan 18 17:15	0°  ♿♿♿					

minimum elong	6829 Dec 30 06:13	10°  22'33	0°12'28	superior conj	6830 Dec 11 22:49	22°  06'26	0°48'48
behind sun begin	6829 Dec 30 00:29	9°  58'26		minimum elong	6830 Dec 12 02:15	22°  21'40	0°48'22
behind sun end	6829 Dec 30 11:57	10°  46'38			6830 Dec 16 11:29	0° 	
desc. node	6829 Dec 31 22:53	13°  12'44		desc. node	6830 Dec 18 19:55	3°  59'10	
max. Earth dist.	6830 Jan 06 02:27	21°  39'03	1.43691 AU	max. Earth dist.	6830 Dec 19 14:12	5°  15'40	1.41950 AU
	6830 Jan 11 08:20	0° 		evening rise	6830 Dec 25 02:06	14°  14'31	
evening rise	6830 Jan 14 01:18	4°  13'21			6831 Jan 04 06:47	0° 	
	6830 Jan 31 08:39	0° 			6831 Jan 26 19:48	0° 	
evening max el	6830 Feb 13 14:28	16°  51'49	21°20'23	evening max el	6831 Jan 27 07:50	0°  30'43	22°37'38
retrograde	6830 Feb 22 09:14	22°  03'43		retrograde	6831 Feb 06 05:33	6°  23'40	
asc. node	6830 Feb 22 11:46	22°  03'39		asc. node	6831 Feb 09 08:49	5°  33'14	
evening set	6830 Feb 26 15:13	20°  22'57		evening set	6831 Feb 10 22:41	4°  27'45	
inferior conj	6830 Mar 03 22:54	14°  07'40	2°42'37		6831 Feb 14 21:42	30° 	
minimum elong	6830 Mar 03 20:38	14°  15'32	2°42'05	inferior conj	6831 Feb 16 07:19	28°  04'26	2°07'50
min. Earth dist.	6830 Mar 04 05:24	13°  45'08	0.68093 AU	minimum elong	6831 Feb 16 05:03	28°  12'18	2°07'08
morning rise	6830 Mar 09 01:53	7°  54'47		min. Earth dist.	6831 Feb 16 01:55	28°  23'11	0.68280 AU
direct	6830 Mar 14 06:03	5°  39'09		morning rise	6831 Feb 21 11:17	21°  55'25	
morning max el	6830 Mar 24 13:58	11°  47'16	23°16'07	direct	6831 Feb 26 01:08	20°  01'48	
desc. node	6830 Mar 29 22:16	17°  47'56		morning max el	6831 Mar 07 02:44	25°  19'29	21°48'46
	6830 Apr 08 02:44	0° 			6831 Mar 11 07:42	0° 	
	6830 Apr 27 14:16	0° 		desc. node	6831 Mar 16 19:17	7°  02'20	
morning set	6830 Apr 28 11:22	1°  28'12			6831 Apr 01 14:05	0° 	
max. Earth dist.	6830 May 02 15:15	8°  34'28	1.39390 AU	morning set	6831 Apr 08 14:21	10°  59'07	
				max. Earth dist.	6831 Apr 14 14:15	20°  45'51	1.41559 AU
					6831 Apr 20 01:01	0° 	
superior conj	6830 May 10 06:13	22°  15'51	-1°35'54				
minimum elong	6830 May 10 11:31	22°  40'26	1°35'18				
	6830 May 14 08:56	0° 		superior conj	6831 Apr 22 06:16	3°  51'50	-1°58'46
evening rise	6830 May 19 17:42	10°  18'51		minimum elong	6831 Apr 22 11:12	4°  13'28	1°58'27
asc. node	6830 May 21 10:57	13°  36'52		evening rise	6831 May 03 00:28	23°  20'25	
	6830 May 30 18:56	0° 			6831 May 06 15:35	0° 	
evening max el	6830 Jun 04 21:40	6°  23'26	18°37'32	asc. node	6831 May 08 08:00	3°  11'56	
retrograde	6830 Jun 12 20:11	10°  19'17		evening max el	6831 May 19 06:28	19°  09'01	18°12'12
evening set	6830 Jun 14 23:12	10°  03'20		retrograde	6831 May 26 05:48	22°  39'39	
inferior conj	6830 Jun 22 18:14	5°  37'37	0°54'54	evening set	6831 May 28 16:09	22°  14'43	
minimum elong	6830 Jun 22 20:12	5°  33'52	0°54'09	inferior conj	6831 Jun 04 16:24	17°  28'46	2°10'47
desc. node	6830 Jun 25 21:35	3°  14'55		minimum elong	6831 Jun 04 19:39	17°  21'32	2°09'49
min. Earth dist.	6830 Jun 26 01:41	3°  07'27	0.57529 AU	min. Earth dist.	6831 Jun 08 01:31	14°  29'54	0.59666 AU
morning rise	6830 Jun 30 13:46	0° 		morning rise	6831 Jun 11 20:16	11°  44'25	
	6830 Jul 01 10:06	30° 		desc. node	6831 Jun 12 18:37	11°  13'34	
direct	6830 Jul 06 07:12	29°  00'10		direct	6831 Jun 18 06:11	9°  49'04	
	6830 Jul 11 06:22	0° 		morning max el	6831 Jul 02 15:00	17°  41'54	27°35'03
morning max el	6830 Jul 20 16:21	6°  35'11	26°38'30		6831 Jul 12 20:47	0° 	
	6830 Aug 07 00:56	0° 			6831 Jul 30 15:19	0° 	
asc. node	6830 Aug 17 10:16	19°  03'36		morning set	6831 Aug 03 06:44	7°  02'41	
morning set	6830 Aug 18 23:37	22°  02'09		asc. node	6831 Aug 04 07:18	9°  33'42	
	6830 Aug 22 07:01	0° 		max. Earth dist.	6831 Aug 09 16:25	21°  01'40	1.31794 AU
superior conj	6830 Aug 25 22:30	8°  02'34	1°17'51	superior conj	6831 Aug 10 10:09	22°  02'08	0°59'31
minimum elong	6830 Aug 25 20:15	7°  00'08	1°17'30	minimum elong	6831 Aug 10 07:59	22°  04'10	0°59'05
max. Earth dist.	6830 Aug 26 05:48	8°  04'59	1.31880 AU		6831 Aug 13 15:36	0° 	
evening rise	6830 Sep 01 19:20	22°  05'25		evening rise	6831 Aug 17 04:38	7°  41'25	
	6830 Sep 05 05:07	0° 			6831 Aug 28 17:19	0° 	
desc. node	6830 Sep 21 20:45	28°  02'34		desc. node	6831 Sep 08 17:48	16°  13'28	
	6830 Sep 23 00:48	0° 		evening max el	6831 Sep 14 07:13	22°  17'33	25°55'22
evening max el	6830 Oct 02 09:55	10°  15'36	26°57'11	retrograde	6831 Sep 28 06:02	29°  02'53	
retrograde	6830 Oct 16 07:22	18°  01'56		evening set	6831 Oct 04 13:16	27°  48'26	
evening set	6830 Oct 23 06:37	15°  15'55'24		min. Earth dist.	6831 Oct 08 19:54	25°  12'59	0.58487 AU
min. Earth dist.	6830 Oct 27 00:13	13°  16'35	0.60563 AU	inferior conj	6831 Oct 11 23:48	22°  05'19	-5°03'50
inferior conj	6830 Oct 30 04:26	10°  13'744	-4°12'53	minimum elong	6831 Oct 12 05:21	22°  04'51'2	5°02'57
minimum elong	6830 Oct 30 11:16	10°  23'26	4°11'00	morning rise	6831 Oct 19 23:46	18°  31'04	
morning rise	6830 Nov 06 18:07	5°  15'048		direct	6831 Oct 22 08:17	18°  13'02	
direct	6830 Nov 09 00:17	5°  13'058		morning max el	6831 Oct 30 15:26	22°  13'00	18°37'20
asc. node	6830 Nov 13 09:36	6°  14'39		asc. node	6831 Oct 31 06:38	22°  05'049	
morning max el	6830 Nov 16 08:28	9°  10'940	18°03'03		6831 Nov 05 18:37	0° 	
	6830 Nov 29 21:33	0° 		morning set	6831 Nov 15 19:43	18°  06'10	
morning set	6830 Dec 02 01:13	3°  59'28			6831 Nov 21 23:18	0° 	

superior conj	6831 Nov 24 13:54	4° ♊ 56'09	1°15'16	minimum elong	6832 Nov 06 23:24	18° ♋ 43'51	1°32'07
minimum elong	6831 Nov 24 17:21	5° ♊ 12'22	1°14'55		6832 Nov 12 20:54	0° ♊	
max. Earth dist.	6831 Dec 01 21:00	18° ♊ 09'02	1.39887 AU	max. Earth dist.	6832 Nov 13 02:24	0° ♊ 25'26	1.37750 AU
desc. node	6831 Dec 05 16:58	24° ♊ 43'23		evening rise	6832 Nov 16 20:12	7° ♊ 11'36	
evening rise	6831 Dec 06 00:05	25° ♊ 13'18		desc. node	6832 Nov 21 14:00	15° ♊ 21'43	
	6831 Dec 08 21:21	0° ♋			6832 Nov 30 18:38	0° ♋	
	6831 Dec 29 00:46	0° ♋		evening max el	6832 Dec 22 11:10	27° ♋ 59'25	25°14'03
evening max el	6832 Jan 09 22:04	14° ♋ 13'11	23°57'46		6832 Dec 24 15:06	0° ♋	
retrograde	6832 Jan 20 22:35	20° ♋ 42'20		retrograde	6833 Jan 03 11:16	4° ♋ 55'24	
evening set	6832 Jan 26 04:06	18° ♋ 31'46		evening set	6833 Jan 09 05:55	2° ♋ 31'43	
asc. node	6832 Jan 27 05:52	17° ♋ 31'42			6833 Jan 11 17:58	30° ♋	
min. Earth dist.	6832 Jan 30 22:30	13° ♋ 01'00	0.68078 AU	asc. node	6833 Jan 13 02:54	28° ♋ 19'55	
inferior conj	6832 Jan 31 15:09	12° ♋ 04'29	1°24'59	min. Earth dist.	6833 Jan 13 16:49	27° ♋ 35'27	0.67504 AU
minimum elong	6832 Jan 31 13:21	12° ♋ 10'37	1°24'21	inferior conj	6833 Jan 14 20:38	26° ♋ 05'05	0°34'47
morning rise	6832 Feb 05 22:37	6° ♋ 00'57		minimum elong	6833 Jan 14 19:47	26° ♋ 07'51	0°34'29
direct	6832 Feb 09 22:51	4° ♋ 29'47		morning rise	6833 Jan 20 09:55	20° ♋ 09'04	
morning max el	6832 Feb 17 22:03	9° ♋ 02'27	20°30'33	direct	6833 Jan 23 21:51	18° ♋ 58'40	
desc. node	6832 Mar 02 16:17	26° ♋ 47'37		morning max el	6833 Jan 31 01:24	22° ♋ 57'18	19°25'59
	6832 Mar 04 21:03	0° ♌			6833 Feb 05 23:07	0° ♌	
morning set	6832 Mar 17 17:09	19° ♌ 25'29		greatest brilliancy	6833 Feb 13 01:44	10° ♌ 10'07	-0.7m
	6832 Mar 24 10:38	0° ♌		desc. node	6833 Feb 17 13:18	16° ♌ 55'38	
max. Earth dist.	6832 Mar 26 20:22	3° ♌ 51'22	1.43425 AU	morning set	6833 Feb 24 15:15	27° ♌ 47'31	
					6833 Feb 26 01:32	0° ♌	
superior conj	6832 Apr 02 06:44	14° ♌ 23'22	-2°10'18	max. Earth dist.	6833 Mar 09 10:01	17° ♌ 43'59	1.44752 AU
minimum elong	6832 Apr 02 07:59	14° ♌ 28'33	2°10'18				
	6832 Apr 11 10:28	0° ♍		superior conj	6833 Mar 13 06:24	23° ♌ 50'54	-2°04'36
evening rise	6832 Apr 14 14:58	5° ♍ 34'43		minimum elong	6833 Mar 13 01:01	23° ♌ 29'25	2°04'22
asc. node	6832 Apr 24 05:03	22° ♍ 02'43			6833 Mar 17 02:14	0° ♌	
	6832 Apr 29 17:27	0° ♍		evening rise	6833 Mar 27 08:50	16° ♌ 54'26	
evening max el	6832 May 01 18:58	2° ♍ 17'14	18°06'18		6833 Apr 04 05:43	0° ♍	
retrograde	6832 May 08 06:27	5° ♍ 38'25		asc. node	6833 Apr 11 02:05	10° ♍ 31'52	
evening set	6832 May 10 23:56	5° ♍ 02'01		evening max el	6833 Apr 15 08:00	15° ♍ 40'22	18°19'06
inferior conj	6832 May 17 09:00	29° ♍ 56'09	2°58'12	retrograde	6833 Apr 21 17:47	19° ♍ 06'28	
minimum elong	6832 May 17 11:36	29° ♍ 49'32	2°57'40	evening set	6833 Apr 24 18:05	18° ♍ 17'14	
	6832 May 17 07:30	30° ♍		inferior conj	6833 Apr 30 16:01	12° ♍ 52'44	3°22'02
min. Earth dist.	6832 May 20 09:12	26° ♍ 53'23	0.61898 AU	minimum elong	6833 Apr 30 17:12	12° ♍ 49'20	3°21'53
morning rise	6832 May 23 21:24	23° ♍ 53'43		min. Earth dist.	6833 May 03 02:01	10° ♍ 07'52	0.63951 AU
desc. node	6832 May 29 15:38	21° ♍ 32'28		morning rise	6833 May 06 15:19	6° ♍ 40'42	
direct	6832 May 30 15:48	21° ♍ 29'23		direct	6833 May 13 09:57	3° ♍ 58'07	
morning max el	6832 Jun 13 19:37	29° ♍ 30'10	27°54'27	desc. node	6833 May 16 12:39	4° ♍ 28'21	
	6832 Jun 14 07:26	0° ♎		morning max el	6833 May 27 04:26	11° ♍ 57'33	27°36'41
	6832 Jul 05 20:08	0° ♎			6833 Jun 10 12:25	0° ♎	
morning set	6832 Jul 17 08:45	21° ♎ 39'07			6833 Jun 28 07:40	0° ♎	
asc. node	6832 Jul 21 04:19	29° ♎ 37'37		morning set	6833 Jul 01 03:16	5° ♎ 28'36	
	6832 Jul 21 08:30	0° ♏		max. Earth dist.	6833 Jul 06 01:46	15° ♎ 32'57	1.32972 AU
max. Earth dist.	6832 Jul 23 00:20	3° ♏ 34'20	1.32152 AU	asc. node	6833 Jul 08 01:20	19° ♎ 44'09	
superior conj	6832 Jul 24 20:01	7° ♏ 32'12	0°36'56	superior conj	6833 Jul 09 02:12	21° ♎ 57'02	0°10'39
minimum elong	6832 Jul 24 18:25	7° ♏ 23'29	0°36'33	minimum elong	6833 Jul 09 01:41	21° ♎ 54'13	0°10'29
evening rise	6832 Jul 31 16:01	22° ♏ 26'22		behind sun begin	6833 Jul 08 21:35	21° ♎ 32'16	
	6832 Aug 04 06:58	0° ♐		behind sun end	6833 Jul 09 05:47	22° ♎ 16'11	
	6832 Aug 23 01:07	0° ♐			6833 Jul 12 19:46	0° ♏	
desc. node	6832 Aug 25 14:50	2° ♐ 42'07		evening rise	6833 Jul 16 03:37	7° ♏ 08'22	
evening max el	6832 Aug 25 21:27	2° ♐ 58'07	24°28'03		6833 Jul 28 04:24	0° ♐	
retrograde	6832 Sep 08 17:04	9° ♐ 54'52		evening max el	6833 Aug 07 09:35	13° ♐ 15'05	22°49'39
evening set	6832 Sep 13 19:16	8° ♐ 57'14		desc. node	6833 Aug 12 11:52	17° ♐ 19'25	
min. Earth dist.	6832 Sep 19 08:31	6° ♐ 06'47	0.56616 AU	retrograde	6833 Aug 20 15:25	19° ♐ 51'42	
inferior conj	6832 Sep 21 23:08	4° ♐ 27'42	-5°27'12	evening set	6833 Aug 24 05:14	19° ♐ 23'43	
minimum elong	6832 Sep 21 23:37	4° ♐ 26'56	5°27'12	min. Earth dist.	6833 Aug 31 17:39	16° ♐ 02'19	0.55268 AU
morning rise	6832 Sep 30 06:11	0° ♐ 24'48		inferior conj	6833 Sep 02 03:28	15° ♐ 13'54	-5°05'07
direct	6832 Oct 02 21:39	0° ♐ 05'52		minimum elong	6833 Sep 01 20:58	15° ♐ 23'14	5°04'10
morning max el	6832 Oct 12 12:12	4° ♐ 37'13	19°33'30	morning rise	6833 Sep 10 14:47	11° ♐ 24'30	
asc. node	6832 Oct 17 03:39	10° ♐ 00'06		direct	6833 Sep 13 16:43	11° ♐ 02'28	
	6832 Oct 28 15:13	0° ♑		morning max el	6833 Sep 24 20:31	16° ♐ 14'53	20°51'40
morning set	6832 Oct 29 22:10	2° ♑ 34'46		asc. node	6833 Oct 04 00:41	28° ♐ 02'35	
					6833 Oct 05 05:02	0° ♑	
superior conj	6832 Nov 06 21:01	18° ♑ 32'10	1°32'14	morning set	6833 Oct 14 05:43	17° ♑ 16'55	

	6833 Oct 20 08:22	0°♄		morning set	6834 Sep 28 16:16	2°♄06'44	
superior conj	6833 Oct 21 15:40	2°♄41'14	1°40'47	superior conj	6834 Oct 05 18:19	17°♄13'16	1°42'02
minimum elong	6833 Oct 21 16:36	2°♄46'05	1°40'48	minimum elong	6834 Oct 05 17:56	17°♄11'11	1°42'03
max. Earth dist.	6833 Oct 26 11:10	12°♄21'05	1.35776 AU	max. Earth dist.	6834 Oct 09 03:13	24°♄17'01	1.34136 AU
evening rise	6833 Oct 30 11:24	20°♄01'03			6834 Oct 11 22:46	0°♄	
	6833 Nov 05 00:36	0°♄		evening rise	6834 Oct 13 17:43	3°♄32'06	
desc. node	6833 Nov 08 11:00	5°♄49'10		desc. node	6834 Oct 26 08:02	26°♄00'25	
	6833 Nov 24 19:02	0°♄			6834 Oct 28 20:23	0°♄	
evening max el	6833 Dec 05 00:06	11°♄43'52	26°19'15	evening max el	6834 Nov 17 12:56	25°♄18'53	27°05'59
retrograde	6833 Dec 17 18:47	18°♄56'18			6834 Nov 23 07:36	0°♄	
evening set	6833 Dec 24 02:21	16°♄22'33		retrograde	6834 Nov 30 20:44	2°♄38'03	
min. Earth dist.	6833 Dec 28 06:32	12°♄01'19	0.66566 AU	evening set	6834 Dec 07 15:20	29°♄59'52	
inferior conj	6833 Dec 29 21:46	10°♄01'38	-0°22'08		6834 Dec 07 15:17	30°♄♄	
minimum elong	6833 Dec 29 22:22	9°♄59'48	0°21'49	min. Earth dist.	6834 Dec 11 13:27	26°♄13'16	0.65274 AU
asc. node	6833 Dec 30 23:56	8°♄42'43		inferior conj	6834 Dec 13 16:27	23°♄49'59	-1°24'39
morning rise	6834 Jan 04 19:05	4°♄15'28		minimum elong	6834 Dec 13 18:56	23°♄42'59	1°23'33
direct	6834 Jan 07 20:18	3°♄22'50		asc. node	6834 Dec 17 20:59	19°♄37'50	
morning max el	6834 Jan 14 11:51	6°♄59'38	18°37'05	morning rise	6834 Dec 19 23:45	18°♄16'20	
	6834 Jan 30 18:53	0°♄		direct	6834 Dec 22 16:12	17°♄37'41	
morning set	6834 Feb 04 08:25	7°♄12'03		morning max el	6834 Dec 29 03:06	21°♄03'35	18°04'42
desc. node	6834 Feb 04 10:17	7°♄19'25			6835 Jan 05 01:20	0°♄	
	6834 Feb 18 20:36	0°♄		morning set	6835 Jan 16 07:01	18°♄05'00	
max. Earth dist.	6834 Feb 20 04:15	2°♄03'59	1.45389 AU	desc. node	6835 Jan 22 07:16	27°♄54'23	
					6835 Jan 23 14:19	0°♄	
superior conj	6834 Feb 20 12:32	2°♄36'26	-1°38'52				
minimum elong	6834 Feb 20 02:59	1°♄59'01	1°37'57	superior conj	6835 Jan 30 19:20	11°♄31'14	-0°57'49
evening rise	6834 Mar 08 03:18	27°♄16'19		minimum elong	6835 Jan 30 12:26	11°♄03'58	0°56'51
	6834 Mar 09 20:20	0°♄		max. Earth dist.	6835 Feb 02 23:41	16°♄32'07	1.45279 AU
greatest brilliancy	6834 Mar 16 09:49	10°♄27'07	-0.8m		6835 Feb 11 14:48	0°♄	
asc. node	6834 Mar 28 23:07	28°♄19'13		evening rise	6835 Feb 16 00:50	6°♄50'51	
evening max el	6834 Mar 29 18:52	29°♄11'14	18°49'57	greatest brilliancy	6835 Mar 01 05:55	27°♄04'09	-0.7m
	6834 Mar 30 15:02	0°♄			6835 Mar 03 05:31	0°♄	
retrograde	6834 Apr 05 11:51	2°♄55'10		evening max el	6835 Mar 13 01:34	12°♄45'46	19°37'33
evening set	6834 Apr 08 19:07	1°♄52'21		asc. node	6835 Mar 15 20:09	15°♄12'33	
	6834 Apr 11 01:57	30°♄♄		retrograde	6835 Mar 20 09:20	16°♄58'14	
inferior conj	6834 Apr 14 09:32	26°♄10'53	3°27'33	evening set	6835 Mar 24 00:24	15°♄41'14	
minimum elong	6834 Apr 14 09:18	26°♄11'37	3°27'31	inferior conj	6835 Mar 29 10:20	9°♄44'53	3°18'51
min. Earth dist.	6834 Apr 16 04:01	23°♄58'50	0.65654 AU	minimum elong	6835 Mar 29 08:59	9°♄49'21	3°18'41
morning rise	6834 Apr 19 22:59	19°♄54'55		min. Earth dist.	6835 Mar 30 13:56	8°♄13'33	0.66940 AU
direct	6834 Apr 26 11:17	17°♄06'41		morning rise	6835 Apr 03 17:18	3°♄28'24	
desc. node	6834 May 03 09:39	19°♄36'17		direct	6835 Apr 09 18:54	0°♄46'09	
morning max el	6834 May 09 14:50	24°♄53'29	26°47'05	desc. node	6835 Apr 20 06:40	6°♄23'42	
	6834 May 14 05:57	0°♄		morning max el	6835 Apr 22 00:34	8°♄05'31	25°34'04
	6834 Jun 03 23:27	0°♄			6835 May 09 03:39	0°♄	
morning set	6834 Jun 14 11:11	18°♄44'32			6835 May 27 11:46	0°♄	
max. Earth dist.	6834 Jun 18 17:21	27°♄03'19	1.34261 AU	morning set	6835 May 28 04:19	1°♄14'57	
	6834 Jun 20 04:26	0°♄		max. Earth dist.	6835 May 31 21:41	8°♄09'35	1.36007 AU
superior conj	6834 Jun 23 02:32	6°♄00'22	-0°18'33	superior conj	6835 Jun 06 18:19	19°♄34'35	-0°49'20
minimum elong	6834 Jun 23 03:33	6°♄05'39	0°18'24	minimum elong	6835 Jun 06 21:11	19°♄48'56	0°48'52
asc. node	6834 Jun 24 22:21	9°♄49'27		asc. node	6835 Jun 11 19:22	29°♄49'05	
evening rise	6834 Jun 30 13:33	21°♄41'30			6835 Jun 11 21:30	0°♄	
	6834 Jul 04 15:20	0°♄		evening rise	6835 Jun 14 19:38	5°♄58'47	
evening max el	6834 Jul 20 04:15	23°♄43'38	21°16'23		6835 Jun 28 08:17	0°♄	
desc. node	6834 Jul 30 08:54	29°♄32'56		evening max el	6835 Jul 02 11:17	4°♄49'19	19°58'51
retrograde	6834 Aug 01 05:08	29°♄41'09		retrograde	6835 Jul 12 19:53	9°♄54'44	
evening set	6834 Aug 03 13:45	29°♄28'14		evening set	6835 Jul 14 17:08	9°♄45'21	
inferior conj	6834 Aug 12 20:55	25°♄29'57	-3°49'31	desc. node	6835 Jul 17 05:56	9°♄05'25	
minimum elong	6834 Aug 12 11:43	25°♄42'52	3°46'53	inferior conj	6835 Jul 23 17:26	5°♄45'28	-1°57'15
min. Earth dist.	6834 Aug 13 03:06	25°♄21'16	0.54729 AU	minimum elong	6835 Jul 23 12:00	5°♄53'40	1°55'18
morning rise	6834 Aug 21 10:26	21°♄36'13		min. Earth dist.	6835 Jul 25 14:53	4°♄36'53	0.55156 AU
direct	6834 Aug 25 01:21	21°♄07'59		morning rise	6835 Aug 01 05:07	1°♄26'40	
morning max el	6834 Sep 06 17:22	27°♄08'11	22°28'07	direct	6835 Aug 05 13:41	0°♄45'07	
	6834 Sep 09 12:26	0°♄		morning max el	6835 Aug 19 07:19	7°♄30'59	24°13'06
asc. node	6834 Sep 20 21:42	16°♄45'48			6835 Sep 04 13:53	0°♄	
	6834 Sep 27 16:02	0°♄		asc. node	6835 Sep 07 18:43	5°♄58'49	

morning set	6835 Sep 13 03:59	16° \mathbb{M} 57'52	direct	6836 Jul 16 15:05	10° \mathfrak{D} 29'53	
	6835 Sep 19 04:23	0° \mathfrak{L}	morning max el	6836 Jul 30 20:58	17° \mathfrak{D} 50'06	25°51'19
				6836 Aug 09 23:16	0° \mathfrak{L}	
superior conj	6835 Sep 20 02:10	1° \mathfrak{L} 58'39	1°36'57	asc. node	6836 Aug 24 15:45	25° \mathfrak{L} 33'45
minimum elong	6835 Sep 20 00:44	1° \mathfrak{L} 50'52	1°36'51		6836 Aug 26 19:15	0° \mathbb{M}
max. Earth dist.	6835 Sep 22 03:40	6° \mathfrak{L} 26'14	1.32914 AU	morning set	6836 Aug 27 15:14	1° \mathbb{M} 45'34
evening rise	6835 Sep 27 11:19	17° \mathfrak{L} 33'44				
	6835 Oct 03 21:49	0° \mathbb{M}		superior conj	6836 Sep 03 12:59	16° \mathbb{M} 50'15
desc. node	6835 Oct 13 05:05	15° \mathbb{M} 47'33		minimum elong	6836 Sep 03 10:54	16° \mathbb{M} 38'48
	6835 Oct 23 07:03	0° \mathfrak{X}		max. Earth dist.	6836 Sep 04 10:48	18° \mathbb{M} 50'28
evening max el	6835 Oct 31 00:33	8° \mathfrak{X} 33'27	27°27'31		6836 Sep 09 14:40	0° \mathfrak{L}
retrograde	6835 Nov 13 16:29	15° \mathfrak{X} 51'36		evening rise	6836 Sep 10 13:01	1° \mathfrak{L} 57'03
evening set	6835 Nov 20 18:15	13° \mathfrak{X} 17'25			6836 Sep 25 19:19	0° \mathbb{M}
min. Earth dist.	6835 Nov 24 11:36	10° \mathfrak{X} 02'52	0.63645 AU	desc. node	6836 Sep 29 02:08	5° \mathbb{M} 00'41
inferior conj	6835 Nov 27 02:07	7° \mathfrak{X} 24'08	-2°30'52	evening max el	6836 Oct 12 08:46	21° \mathbb{M} 14'40
minimum elong	6835 Nov 27 06:42	7° \mathfrak{X} 12'27	2°29'02	retrograde	6836 Oct 26 04:54	28° \mathbb{M} 27'27
morning rise	6835 Dec 03 20:52	2° \mathfrak{X} 05'51		evening set	6836 Nov 02 07:35	26° \mathbb{M} 07'53
asc. node	6835 Dec 04 18:01	1° \mathfrak{X} 48'55		min. Earth dist.	6836 Nov 05 23:25	23° \mathbb{M} 19'00
direct	6835 Dec 06 06:55	1° \mathfrak{X} 37'17		inferior conj	6836 Nov 08 23:40	20° \mathbb{M} 36'16
morning max el	6835 Dec 12 20:17	5° \mathfrak{X} 01'42	17°49'34	minimum elong	6836 Nov 09 06:03	20° \mathbb{M} 21'52
morning set	6835 Dec 29 08:36	0° \mathfrak{Z} 16'34		morning rise	6836 Nov 16 06:33	15° \mathbb{M} 36'39
	6835 Dec 29 04:45	0° \mathfrak{Z}		direct	6836 Nov 18 13:10	15° \mathbb{M} 14'30
desc. node	6836 Jan 09 04:18	18° \mathfrak{Z} 36'38		asc. node	6836 Nov 20 15:05	15° \mathbb{M} 33'39
				morning max el	6836 Nov 25 12:11	18° \mathbb{M} 45'40
superior conj	6836 Jan 10 20:48	21° \mathfrak{Z} 23'14	-0°12'04		6836 Dec 03 15:51	0° \mathfrak{X}
minimum elong	6836 Jan 10 19:29	21° \mathfrak{Z} 17'50	0°11'49	morning set	6836 Dec 11 06:33	13° \mathfrak{X} 26'18
behind sun begin	6836 Jan 10 12:50	20° \mathfrak{Z} 50'33			6836 Dec 20 13:26	0° \mathfrak{Z}
behind sun end	6836 Jan 11 02:08	21° \mathfrak{Z} 45'04				
	6836 Jan 16 04:38	0° \approx		superior conj	6836 Dec 22 00:10	2° \mathfrak{Z} 30'11
max. Earth dist.	6836 Jan 16 17:45	0° \approx 52'19	1.44451 AU	minimum elong	6836 Dec 22 02:40	2° \mathfrak{Z} 40'54
evening rise	6836 Jan 26 11:48	16° \approx 06'51		desc. node	6836 Dec 26 01:19	9° \mathfrak{Z} 22'19
	6836 Feb 04 15:38	0° \mathfrak{H}		max. Earth dist.	6836 Dec 29 08:27	14° \mathfrak{Z} 49'29
evening max el	6836 Feb 24 03:03	26° \mathfrak{H} 22'15	20°39'38	evening rise	6837 Jan 05 03:42	25° \mathfrak{Z} 42'35
	6836 Feb 28 12:37	0° \mathfrak{Y}			6837 Jan 07 21:55	0° \approx
asc. node	6836 Mar 01 17:13	0° \mathfrak{Y} 57'35			6837 Jan 28 14:16	0° \mathfrak{H}
retrograde	6836 Mar 03 07:47	1° \mathfrak{Y} 11'05		evening max el	6837 Feb 05 23:13	10° \mathfrak{H} 00'03
	6836 Mar 06 20:26	30° \mathfrak{R} \mathfrak{H}		retrograde	6837 Feb 15 05:10	15° \mathfrak{H} 29'10
evening set	6836 Mar 07 07:52	29° \mathfrak{H} 39'17		asc. node	6837 Feb 16 14:17	15° \mathfrak{H} 19'15
inferior conj	6836 Mar 12 15:48	23° \mathfrak{H} 30'19	2°58'42	evening set	6837 Feb 19 15:45	13° \mathfrak{H} 42'03
minimum elong	6836 Mar 12 13:44	23° \mathfrak{H} 37'23	2°58'18	inferior conj	6837 Feb 24 23:40	7° \mathfrak{H} 23'13
min. Earth dist.	6836 Mar 13 05:42	22° \mathfrak{H} 42'34	0.67792 AU	minimum elong	6837 Feb 24 21:20	7° \mathfrak{H} 31'17
morning rise	6836 Mar 17 19:23	17° \mathfrak{H} 15'38		min. Earth dist.	6837 Feb 25 01:03	7° \mathfrak{H} 18'22
direct	6836 Mar 23 07:48	14° \mathfrak{H} 48'18		morning rise	6837 Mar 02 02:45	1° \mathfrak{H} 11'51
morning max el	6836 Apr 03 09:20	21° \mathfrak{H} 25'18	24°07'46		6837 Mar 03 18:30	30° \mathfrak{R} \approx
desc. node	6836 Apr 06 03:40	24° \mathfrak{H} 23'16		direct	6837 Mar 07 00:55	29° \approx 05'07
	6836 Apr 10 19:27	0° \mathfrak{Y}			6837 Mar 10 13:53	0° \mathfrak{H}
	6836 May 01 09:52	0° \mathfrak{B}		morning max el	6837 Mar 16 19:27	4° \mathfrak{H} 51'11
morning set	6836 May 09 01:22	12° \mathfrak{B} 45'33		desc. node	6837 Mar 24 00:40	13° \mathfrak{H} 14'12
max. Earth dist.	6836 May 12 18:12	19° \mathfrak{B} 16'13	1.38106 AU		6837 Apr 05 01:55	0° \mathfrak{Y}
	6836 May 18 14:14	0° \mathbb{I}		morning set	6837 Apr 19 20:30	23° \mathfrak{Y} 00'48
superior conj	6836 May 19 22:09	2° \mathbb{I} 31'27	-1°19'44		6837 Apr 24 00:58	0° \mathfrak{B}
minimum elong	6836 May 20 02:47	2° \mathbb{I} 53'34	1°19'06	max. Earth dist.	6837 Apr 24 14:38	0° \mathfrak{B} 58'01
evening rise	6836 May 28 19:19	19° \mathbb{I} 53'26				1.40336 AU
asc. node	6836 May 28 16:25	19° \mathbb{I} 39'12		superior conj	6837 May 02 09:41	14° \mathfrak{B} 39'42
	6836 Jun 03 01:18	0° \mathfrak{D}		minimum elong	6837 May 02 15:08	15° \mathfrak{B} 04'23
evening max el	6836 Jun 14 06:52	16° \mathfrak{D} 39'07	19°01'18		6837 May 10 15:46	0° \mathbb{I}
retrograde	6836 Jun 22 23:45	20° \mathfrak{D} 56'02		evening rise	6837 May 12 09:17	3° \mathbb{I} 16'26
evening set	6836 Jun 24 23:12	20° \mathfrak{D} 43'41		asc. node	6837 May 15 13:27	9° \mathbb{I} 14'31
inferior conj	6836 Jul 03 05:52	16° \mathfrak{D} 29'25	-0°02'11	evening max el	6837 May 28 11:51	29° \mathbb{I} 06'22
minimum elong	6836 Jul 03 05:46	16° \mathfrak{D} 29'35	0°02'12		6837 May 29 11:07	0° \mathfrak{D}
transit middle	6836 Jul 03 05:46	16° \mathfrak{D} 29'35	0°02'12	retrograde	6837 Jun 04 22:49	2° \mathfrak{D} 49'13
transit begin	6836 Jul 03 02:02	16° \mathfrak{D} 36'04		evening set	6837 Jun 07 05:05	2° \mathfrak{D} 29'40
transit end	6836 Jul 03 09:31	16° \mathfrak{D} 23'06			6837 Jun 11 23:25	30° \mathfrak{R} \mathbb{I}
desc. node	6836 Jul 03 02:57	16° \mathfrak{D} 34'29		inferior conj	6837 Jun 14 15:46	27° \mathbb{I} 55'14
min. Earth dist.	6836 Jul 06 05:51	14° \mathfrak{D} 25'17	0.56478 AU	minimum elong	6837 Jun 14 18:36	27° \mathbb{I} 49'28
morning rise	6836 Jul 11 09:06	11° \mathfrak{D} 34'51		min. Earth dist.	6837 Jun 18 01:32	25° \mathbb{I} 10'13
				desc. node	6837 Jun 19 23:59	23° \mathbb{I} 45'59

morning rise	6837 Jun 22 04:53	22° Π 26'39		desc. node	6838 Jun 06 21:01	2° Π 37'01	
direct	6837 Jun 28 06:19	20° Π 50'33		direct	6838 Jun 10 09:39	2° Π 00'32	
morning max el	6837 Jul 12 15:36	28° Π 33'24	27°06'50	morning max el	6838 Jun 24 17:03	9° Π 57'31	27°48'10
	6837 Jul 14 01:49	0° \mathfrak{E}			6838 Jul 10 05:18	0° \mathfrak{E}	
	6837 Aug 03 16:46	0° Ω			6838 Jul 26 19:47	0° Ω	
asc. node	6837 Aug 11 12:47	15° Ω 24'18		morning set	6838 Jul 27 05:35	0° Ω 50'38	
morning set	6837 Aug 12 00:23	16° Ω 25'11		asc. node	6838 Jul 29 09:47	5° Ω 24'34	
	6837 Aug 18 06:23	0° \mathfrak{M}		max. Earth dist.	6838 Aug 02 07:32	13° Ω 51'53	1.31890 AU
superior conj	6837 Aug 19 00:50	1° \mathfrak{M} 42'08	1°10'37	superior conj	6838 Aug 03 11:54	16° Ω 27'54	0°50'25
minimum elong	6837 Aug 18 22:33	1° \mathfrak{M} 29'33	1°10'14	minimum elong	6838 Aug 03 09:54	16° Ω 16'58	0°50'01
max. Earth dist.	6837 Aug 18 21:24	1° \mathfrak{M} 23'10	1.31795 AU		6838 Aug 09 16:00	0° \mathfrak{M}	
evening rise	6837 Aug 25 20:11	16° \mathfrak{M} 34'22		evening rise	6838 Aug 10 06:34	1° \mathfrak{M} 18'08	
	6837 Sep 01 12:03	0° \mathfrak{A}			6838 Aug 25 18:16	0° \mathfrak{A}	
desc. node	6837 Sep 15 23:10	23° \mathfrak{A} 26'25		desc. node	6838 Sep 02 20:12	10° \mathfrak{A} 45'02	
	6837 Sep 21 08:18	0° \mathfrak{M}		evening max el	6838 Sep 06 04:40	14° \mathfrak{A} 15'12	25°20'36
evening max el	6837 Sep 24 10:47	3° \mathfrak{M} 10'35	26°34'41	retrograde	6838 Sep 20 02:35	21° \mathfrak{A} 17'47	
retrograde	6837 Oct 08 08:47	10° \mathfrak{M} 17'53		evening set	6838 Sep 25 23:18	19° \mathfrak{A} 58'38	
evening set	6837 Oct 15 02:54	8° \mathfrak{M} 24'04		min. Earth dist.	6838 Sep 30 16:20	17° \mathfrak{A} 19'23	0.57651 AU
min. Earth dist.	6837 Oct 19 00:25	5° \mathfrak{M} 48'55	0.59678 AU	inferior conj	6838 Oct 03 16:41	15° \mathfrak{A} 16'01	-5°18'10
inferior conj	6837 Oct 22 05:40	3° \mathfrak{M} 17'10	-4°36'46	minimum elong	6838 Oct 03 20:33	15° \mathfrak{A} 09'22	5°17'47
minimum elong	6837 Oct 22 12:22	3° \mathfrak{M} 03'58	4°35'14	morning rise	6838 Oct 11 20:08	11° \mathfrak{A} 01'38	
	6837 Oct 26 21:03	30° \mathfrak{R} \mathfrak{A}		direct	6838 Oct 14 07:10	10° \mathfrak{A} 43'30	
morning rise	6837 Oct 29 24:00	28° \mathfrak{A} 39'30		morning max el	6838 Oct 23 02:29	14° \mathfrak{A} 54'59	18°58'31
direct	6837 Nov 01 06:47	28° \mathfrak{A} 20'38		asc. node	6838 Oct 25 09:09	17° \mathfrak{A} 21'04	
	6837 Nov 06 08:57	0° \mathfrak{M}			6838 Nov 02 15:47	0° \mathfrak{M}	
asc. node	6837 Nov 07 12:07	0° \mathfrak{M} 49'07		morning set	6838 Nov 08 17:14	11° \mathfrak{M} 33'59	
morning max el	6837 Nov 08 23:26	2° \mathfrak{M} 07'03	18°15'01				
morning set	6837 Nov 24 18:58	27° \mathfrak{M} 16'53		superior conj	6838 Nov 17 02:17	27° \mathfrak{M} 58'45	1°23'33
	6837 Nov 26 05:23	0° \mathfrak{A}		minimum elong	6838 Nov 17 05:22	28° \mathfrak{M} 13'30	1°23'18
					6838 Nov 18 03:45	0° \mathfrak{A}	
superior conj	6837 Dec 04 03:45	14° \mathfrak{A} 47'20	1°01'13	max. Earth dist.	6838 Nov 24 00:26	10° \mathfrak{A} 48'01	1.38973 AU
minimum elong	6837 Dec 04 07:24	15° \mathfrak{A} 03'54	1°00'48	evening rise	6838 Nov 27 20:40	17° \mathfrak{A} 31'59	
max. Earth dist.	6837 Dec 11 18:37	28° \mathfrak{A} 11'04	1.41103 AU	desc. node	6838 Nov 29 19:23	20° \mathfrak{A} 50'25	
desc. node	6837 Dec 12 22:21	0° \mathfrak{Z} 08'23			6838 Dec 05 09:51	0° \mathfrak{Z}	
	6837 Dec 12 20:22	0° \mathfrak{Z}			6838 Dec 26 13:10	0° \mathfrak{A}	
evening rise	6837 Dec 16 13:07	6° \mathfrak{Z} 07'44		evening max el	6839 Jan 02 04:27	7° \mathfrak{A} 24'11	24°30'57
	6838 Jan 01 02:23	0° \mathfrak{A}		retrograde	6839 Jan 13 15:28	14° \mathfrak{A} 06'18	
evening max el	6838 Jan 19 15:06	23° \mathfrak{A} 40'42	23°11'41	evening set	6839 Jan 19 02:37	11° \mathfrak{A} 49'35	
retrograde	6838 Jan 30 00:07	29° \mathfrak{A} 49'15		asc. node	6839 Jan 21 08:21	9° \mathfrak{A} 33'49	
asc. node	6838 Feb 03 11:19	28° \mathfrak{A} 09'18		min. Earth dist.	6839 Jan 23 17:36	6° \mathfrak{A} 33'36	0.67883 AU
evening set	6838 Feb 03 22:31	27° \mathfrak{A} 46'49		inferior conj	6839 Jan 24 15:05	5° \mathfrak{A} 21'50	1°04'34
inferior conj	6838 Feb 09 08:02	21° \mathfrak{A} 21'26	1°50'36	minimum elong	6839 Jan 24 13:37	5° \mathfrak{A} 26'43	1°04'02
minimum elong	6838 Feb 09 05:54	21° \mathfrak{A} 28'46	1°49'54		6839 Jan 29 05:25	30° \mathfrak{R} \mathfrak{Z}	
min. Earth dist.	6838 Feb 08 21:45	21° \mathfrak{A} 56'50	0.68249 AU	morning rise	6839 Jan 30 00:46	29° \mathfrak{Z} 21'27	
morning rise	6838 Feb 14 13:13	15° \mathfrak{A} 14'48		direct	6839 Feb 02 19:30	27° \mathfrak{Z} 59'37	
direct	6838 Feb 18 21:13	13° \mathfrak{A} 30'51			6839 Feb 07 19:18	0° \mathfrak{A}	
morning max el	6838 Feb 27 10:43	18° \mathfrak{A} 27'40	21°14'03	morning max el	6839 Feb 10 09:34	2° \mathfrak{A} 16'22	20°01'15
	6838 Mar 08 22:29	0° \mathfrak{H}		desc. node	6839 Feb 25 18:43	22° \mathfrak{A} 38'20	
desc. node	6838 Mar 10 21:42	2° \mathfrak{H} 42'41			6839 Mar 02 16:35	0° \mathfrak{H}	
	6838 Mar 29 05:24	0° \mathfrak{Y}		morning set	6839 Mar 09 09:31	10° \mathfrak{H} 14'54	
morning set	6838 Mar 30 11:49	1° \mathfrak{Y} 59'20		max. Earth dist.	6839 Mar 20 02:28	27° \mathfrak{H} 01'38	1.44064 AU
max. Earth dist.	6838 Apr 06 17:00	13° \mathfrak{Y} 34'33	1.42411 AU		6839 Mar 21 23:01	0° \mathfrak{Y}	
superior conj	6838 Apr 14 00:06	25° \mathfrak{Y} 48'25	-2°05'24	superior conj	6839 Mar 25 13:44	5° \mathfrak{Y} 51'13	-2°10'16
minimum elong	6838 Apr 14 03:57	26° \mathfrak{Y} 04'54	2°05'15	minimum elong	6839 Mar 25 12:20	5° \mathfrak{Y} 45'30	2°10'16
	6838 Apr 16 10:19	0° \mathfrak{B}		evening rise	6839 Apr 07 15:53	27° \mathfrak{Y} 50'43	
evening rise	6838 Apr 25 09:39	15° \mathfrak{B} 58'38			6839 Apr 08 21:58	0° \mathfrak{B}	
asc. node	6838 May 02 10:29	28° \mathfrak{B} 29'40		asc. node	6839 Apr 19 07:30	17° \mathfrak{B} 18'03	
	6838 May 03 07:45	0° \mathfrak{H}		evening max el	6839 Apr 25 11:31	25° \mathfrak{B} 16'47	18°09'29
evening max el	6838 May 11 22:31	12° \mathfrak{H} 01'44	18°07'19	retrograde	6839 May 01 21:20	28° \mathfrak{B} 38'47	
retrograde	6838 May 18 15:30	15° \mathfrak{H} 26'44		evening set	6839 May 04 17:36	27° \mathfrak{B} 57'13	
evening set	6838 May 21 04:57	14° \mathfrak{H} 57'07		inferior conj	6839 May 10 21:27	22° \mathfrak{B} 43'13	3°10'52
inferior conj	6838 May 27 22:12	10° \mathfrak{H} 02'12	2°34'10	minimum elong	6839 May 10 23:29	22° \mathfrak{B} 37'45	3°10'31
minimum elong	6838 May 28 01:20	9° \mathfrak{H} 54'47	2°33'21	min. Earth dist.	6839 May 13 15:59	19° \mathfrak{B} 45'33	0.62796 AU
min. Earth dist.	6838 May 31 04:18	6° \mathfrak{H} 58'55	0.60619 AU	morning rise	6839 May 17 03:51	16° \mathfrak{B} 35'29	
morning rise	6838 Jun 03 19:17	4° \mathfrak{H} 08'49		direct	6839 May 23 23:09	14° \mathfrak{B} 01'50	

desc. node	6839 May 24 18:02	14°♄03'45		minimum elong	6840 Apr 23 09:55	5°♄47'57	3°26'15
morning max el	6839 Jun 06 23:59	22°♄04'14	27°51'20	min. Earth dist.	6840 Apr 25 12:55	3°♄16'57	0.64723 AU
	6839 Jun 13 22:42	0°♄			6840 Apr 28 16:37	30°♄	
	6839 Jul 03 09:20	0°♄		morning rise	6840 Apr 29 04:02	29°♄35'18	
morning set	6839 Jul 11 04:45	14°♄55'41		direct	6840 May 05 20:45	26°♄48'22	
asc. node	6839 Jul 16 06:47	25°♄30'08		desc. node	6840 May 10 15:04	27°♄59'25	
max. Earth dist.	6839 Jul 16 13:08	26°♄04'07	1.32436 AU		6840 May 13 23:21	0°♄	
	6839 Jul 18 08:57	0°♄		morning max el	6840 May 19 09:40	4°♄44'42	27°18'57
					6840 Jun 07 13:01	0°♄	
superior conj	6839 Jul 18 20:25	1°♄02'11	0°26'12	morning set	6840 Jun 23 19:08	28°♄31'43	
minimum elong	6839 Jul 18 19:13	0°♄55'40	0°25'54		6840 Jun 24 13:10	0°♄	
evening rise	6839 Jul 25 18:15	16°♄02'21		max. Earth dist.	6840 Jun 28 10:23	7°♄49'10	1.33457 AU
	6839 Aug 01 15:40	0°♄					
evening max el	6839 Aug 18 16:51	24°♄41'15	23°46'36	superior conj	6840 Jul 02 00:23	15°♄18'22	-0°01'28
desc. node	6839 Aug 20 17:13	26°♄30'28		minimum elong	6840 Jul 02 00:28	15°♄18'46	0°01'31
	6839 Aug 25 23:40	0°♄		behind sun begin	6840 Jul 01 18:58	14°♄49'39	
retrograde	6839 Sep 01 08:40	1°♄32'26		behind sun end	6840 Jul 02 05:58	15°♄47'55	
evening set	6839 Sep 05 19:29	0°♄48'55		asc. node	6840 Jul 02 03:48	15°♄36'29	
	6839 Sep 07 22:39	30°♄			6840 Jul 08 21:39	0°♄	
min. Earth dist.	6839 Sep 12 03:05	27°♄46'51	0.55957 AU	evening rise	6840 Jul 09 05:21	0°♄40'37	
inferior conj	6839 Sep 14 07:25	26°♄27'54	-5°24'21		6840 Jul 25 21:09	0°♄	
minimum elong	6839 Sep 14 04:52	26°♄31'45	5°24'12	evening max el	6840 Jul 30 06:48	4°♄58'48	22°08'39
morning rise	6839 Sep 22 16:37	22°♄32'27		desc. node	6840 Aug 06 14:14	10°♄09'53	
direct	6839 Sep 25 11:56	22°♄12'39		retrograde	6840 Aug 12 02:29	11°♄20'52	
morning max el	6839 Oct 05 18:13	27°♄00'28	20°04'08	evening set	6840 Aug 15 01:46	11°♄01'18	
	6839 Oct 08 13:53	0°♄		min. Earth dist.	6840 Aug 23 12:19	7°♄22'23	0.54923 AU
asc. node	6839 Oct 12 06:10	4°♄54'35		inferior conj	6840 Aug 24 05:39	6°♄58'01	-4°39'16
morning set	6839 Oct 23 22:06	26°♄08'48		minimum elong	6840 Aug 23 21:08	7°♄09'59	4°37'28
	6839 Oct 25 19:21	0°♄		morning rise	6840 Sep 01 18:05	3°♄08'56	
				direct	6840 Sep 05 01:08	2°♄44'44	
superior conj	6839 Oct 31 14:49	11°♄50'16	1°36'49	morning max el	6840 Sep 16 21:16	8°♄17'52	21°30'52
minimum elong	6839 Oct 31 16:35	11°♄59'11	1°36'45	asc. node	6840 Sep 28 03:11	23°♄15'30	
max. Earth dist.	6839 Nov 06 06:06	22°♄50'29	1.36879 AU		6840 Oct 01 20:41	0°♄	
evening rise	6839 Nov 10 01:22	29°♄53'04		morning set	6840 Oct 07 07:10	10°♄54'34	
	6839 Nov 10 02:54	0°♄					
desc. node	6839 Nov 16 16:23	11°♄24'25		superior conj	6840 Oct 14 13:14	26°♄10'00	1°42'08
	6839 Nov 28 15:39	0°♄		minimum elong	6840 Oct 14 13:35	26°♄11'51	1°42'10
evening max el	6839 Dec 15 17:14	21°♄09'36	25°43'31		6840 Oct 16 09:41	0°♄	
retrograde	6839 Dec 28 02:14	28°♄14'43		max. Earth dist.	6840 Oct 18 17:30	4°♄43'16	1.35032 AU
evening set	6840 Jan 03 02:23	25°♄46'11		evening rise	6840 Oct 22 23:31	13°♄01'45	
min. Earth dist.	6840 Jan 07 10:18	21°♄04'39	0.67147 AU		6840 Nov 01 11:51	0°♄	
asc. node	6840 Jan 08 05:24	20°♄04'09		desc. node	6840 Nov 02 13:24	1°♄45'45	
inferior conj	6840 Jan 08 18:57	19°♄21'01	0°11'24		6840 Nov 22 15:33	0°♄	
minimum elong	6840 Jan 08 18:39	19°♄21'58	0°11'19	evening max el	6840 Nov 27 06:24	4°♄52'11	26°41'53
transit middle	6840 Jan 08 18:39	19°♄21'58	0°11'19	retrograde	6840 Dec 10 07:34	12°♄08'32	
transit begin	6840 Jan 08 16:39	19°♄28'21		evening set	6840 Dec 16 19:57	9°♄32'25	
transit end	6840 Jan 08 20:40	19°♄15'35		min. Earth dist.	6840 Dec 20 21:34	5°♄25'43	0.66056 AU
morning rise	6840 Jan 14 11:24	13°♄28'49		inferior conj	6840 Dec 22 17:41	3°♄15'23	-0°48'03
direct	6840 Jan 17 18:26	12°♄26'33		minimum elong	6840 Dec 22 19:02	3°♄11'23	0°47'24
morning max el	6840 Jan 24 16:08	16°♄14'52	19°03'06	asc. node	6840 Dec 25 02:28	0°♄34'30	
	6840 Feb 04 04:53	0°♄			6840 Dec 25 15:57	30°♄	
greatest brilliancy	6840 Feb 07 17:19	5°♄18'01	-0.8m	morning rise	6840 Dec 28 19:00	27°♄33'53	
desc. node	6840 Feb 12 15:43	12°♄53'29		direct	6840 Dec 31 16:13	26°♄47'38	
morning set	6840 Feb 16 13:14	18°♄56'21			6841 Jan 06 21:13	0°♄	
	6840 Feb 23 15:42	0°♄		morning max el	6841 Jan 07 04:56	0°♄18'46	18°21'10
max. Earth dist.	6840 Mar 01 17:49	11°♄05'46	1.45109 AU	morning set	6841 Jan 26 18:46	28°♄58'50	
					6841 Jan 27 10:02	0°♄	
superior conj	6840 Mar 04 04:20	14°♄56'16	-1°56'04	desc. node	6841 Jan 29 12:42	3°♄22'47	
minimum elong	6840 Mar 03 20:28	14°♄25'11	1°55'32				
	6840 Mar 13 14:45	0°♄		superior conj	6841 Feb 11 08:19	23°♄39'34	-1°22'46
evening rise	6840 Mar 18 23:53	8°♄45'04		minimum elong	6841 Feb 10 23:08	23°♄03'34	1°21'42
	6840 Apr 01 05:29	0°♄		max. Earth dist.	6841 Feb 12 12:56	25°♄31'42	1.45437 AU
asc. node	6840 Apr 05 04:32	5°♄30'48			6841 Feb 15 09:29	0°♄	
evening max el	6840 Apr 07 23:55	8°♄43'46	18°30'08	evening rise	6841 Feb 27 08:44	18°♄44'47	
retrograde	6840 Apr 14 11:52	12°♄16'02			6841 Mar 06 12:49	0°♄	
evening set	6840 Apr 17 15:00	11°♄21'15		greatest brilliancy	6841 Mar 09 22:39	5°♄17'42	-0.8m
inferior conj	6840 Apr 23 09:22	5°♄49'37	3°26'18	evening max el	6841 Mar 22 09:21	22°♄17'27	19°08'18

asc. node	6841 Mar 23 01:36	22°♈57'19		retrograde	6842 Mar 13 05:47	10°♈19'57	
retrograde	6841 Mar 29 07:38	26°♈11'53		evening set	6842 Mar 17 00:38	8°♈56'29	
evening set	6841 Apr 01 18:10	25°♈03'03		inferior conj	6842 Mar 22 09:27	2°♈54'23	3°11'32
inferior conj	6841 Apr 07 06:22	19°♈15'13	3°25'22	minimum elong	6842 Mar 22 07:45	3°♈00'08	3°11'17
minimum elong	6841 Apr 07 05:37	19°♈17'38	3°25'18	min. Earth dist.	6842 Mar 23 06:59	1°♈41'49	0.67364 AU
min. Earth dist.	6841 Apr 08 18:25	17°♈19'52	0.66264 AU		6842 Mar 24 14:01	30°♈	
morning rise	6841 Apr 12 16:41	12°♈58'56		morning rise	6842 Mar 27 14:38	26°♈38'41	
direct	6841 Apr 19 01:01	10°♈11'49		direct	6842 Apr 02 10:50	24°♈02'08	
desc. node	6841 Apr 27 12:05	13°♈53'40			6842 Apr 13 02:56	0°♈	
morning max el	6841 May 01 19:44	17°♈48'12	26°18'10	morning max el	6842 Apr 14 04:58	1°♈04'13	24°58'20
	6841 May 12 01:02	0°♈		desc. node	6842 Apr 14 09:06	1°♈14'42	
	6841 May 31 12:12	0°♈			6842 May 06 00:43	0°♈	
morning set	6841 Jun 06 21:17	11°♈29'21		morning set	6842 May 20 06:34	23°♈36'08	
max. Earth dist.	6841 Jun 10 20:54	19°♈06'29	1.34959 AU		6842 May 23 19:15	0°♈	
				max. Earth dist.	6842 May 23 21:37	0°♈10'56	1.36874 AU
superior conj	6841 Jun 15 21:27	29°♈10'14	-0°31'30	superior conj	6842 May 30 08:38	12°♈29'55	-1°02'26
minimum elong	6841 Jun 15 23:14	29°♈19'20	0°31'14	minimum elong	6842 May 30 12:17	12°♈47'55	1°01'52
	6841 Jun 16 07:10	0°♈		asc. node	6842 Jun 05 21:51	25°♈36'04	
asc. node	6841 Jun 19 00:48	5°♈39'35		evening rise	6842 Jun 07 17:39	29°♈16'42	
evening rise	6841 Jun 23 13:55	15°♈07'36			6842 Jun 08 02:16	0°♈	
	6841 Jul 01 04:16	0°♈		evening max el	6842 Jun 24 19:00	27°♈05'34	19°31'45
evening max el	6841 Jul 12 06:26	15°♈40'59	20°41'02		6842 Jun 28 10:05	0°♈	
retrograde	6841 Jul 23 14:28	21°♈16'15		retrograde	6842 Jul 04 09:51	1°♈49'24	
desc. node	6841 Jul 24 11:17	21°♈14'24		evening set	6842 Jul 06 07:04	1°♈39'18	
evening set	6841 Jul 25 16:18	21°♈05'47			6842 Jul 10 21:52	30°♈	
inferior conj	6841 Aug 03 22:26	17°♈08'52	-3°04'24	desc. node	6842 Jul 11 08:20	29°♈46'17	
minimum elong	6841 Aug 03 14:14	17°♈20'35	3°01'42	inferior conj	6842 Jul 15 00:33	27°♈34'00	-1°06'52
min. Earth dist.	6841 Aug 04 22:21	16°♈34'39	0.54797 AU	minimum elong	6842 Jul 14 21:32	27°♈38'50	1°05'45
morning rise	6841 Aug 12 11:52	13°♈06'53		min. Earth dist.	6842 Jul 17 11:05	26°♈00'58	0.55622 AU
direct	6841 Aug 16 10:01	12°♈33'53		morning rise	6842 Jul 23 09:31	23°♈00'47	
morning max el	6841 Aug 29 14:07	18°♈54'01	23°12'39	direct	6842 Jul 28 02:54	22°♈10'47	
	6841 Sep 07 17:42	0°♈		morning max el	6842 Aug 11 03:13	29°♈12'08	24°56'54
asc. node	6841 Sep 15 00:11	12°♈12'15			6842 Aug 11 22:55	0°♈	
morning set	6841 Sep 21 18:25	25°♈45'16			6842 Sep 01 01:43	0°♈	
	6841 Sep 23 18:12	0°♈		asc. node	6842 Sep 01 21:13	1°♈35'50	
superior conj	6841 Sep 28 18:22	10°♈48'06	1°40'36	morning set	6842 Sep 06 06:10	10°♈36'10	
minimum elong	6841 Sep 28 17:29	10°♈43'23	1°40'34	superior conj	6842 Sep 13 03:44	25°♈37'16	1°33'04
max. Earth dist.	6841 Oct 01 13:26	16°♈44'48	1.33562 AU	minimum elong	6842 Sep 13 01:59	25°♈27'39	1°32'55
evening rise	6841 Oct 06 11:02	26°♈46'43		max. Earth dist.	6842 Sep 14 17:16	29°♈02'07	1.32525 AU
	6841 Oct 08 02:25	0°♈			6842 Sep 15 03:55	0°♈	
desc. node	6841 Oct 20 10:25	21°♈47'46		evening rise	6842 Sep 20 08:27	10°♈58'49	
	6841 Oct 25 19:30	0°♈			6842 Sep 30 08:34	0°♈	
evening max el	6841 Nov 09 19:08	18°♈20'48	27°18'44	desc. node	6842 Oct 07 07:29	11°♈22'18	
retrograde	6841 Nov 23 06:43	25°♈39'26			6842 Oct 21 19:47	0°♈	
evening set	6841 Nov 30 05:01	23°♈02'03		evening max el	6842 Oct 23 05:34	1°♈22'40	27°27'29
min. Earth dist.	6841 Dec 04 01:00	19°♈29'32	0.64620 AU	retrograde	6842 Nov 05 23:17	8°♈38'35	
inferior conj	6841 Dec 06 08:54	16°♈58'50	-1°52'26	evening set	6842 Nov 13 02:37	6°♈08'59	
minimum elong	6841 Dec 06 12:16	16°♈49'43	1°50'59	min. Earth dist.	6842 Nov 16 18:39	3°♈06'48	0.62867 AU
asc. node	6841 Dec 11 23:32	11°♈58'15		inferior conj	6842 Nov 19 13:47	0°♈24'40	-2°59'14
morning rise	6841 Dec 12 20:54	11°♈31'08		minimum elong	6842 Nov 19 19:14	0°♈11'29	2°57'14
direct	6841 Dec 15 10:25	10°♈57'06			6842 Nov 19 24:00	30°♈	
morning max el	6841 Dec 21 21:21	14°♈21'04	17°56'08	morning rise	6842 Nov 26 13:42	25°♈14'09	
	6842 Jan 01 23:03	0°♈		direct	6842 Nov 28 22:00	24°♈48'39	
morning set	6842 Jan 08 05:38	10°♈28'10		asc. node	6842 Nov 28 20:33	24°♈48'40	
desc. node	6842 Jan 16 09:41	24°♈01'23		morning max el	6842 Dec 05 14:25	28°♈14'33	17°48'38
	6842 Jan 20 02:01	0°♈			6842 Dec 07 05:22	0°♈	
superior conj	6842 Jan 21 21:21	2°♈54'07	-0°38'19	morning set	6842 Dec 21 16:40	23°♈07'01	
minimum elong	6842 Jan 21 16:49	2°♈35'59	0°37'38		6842 Dec 25 14:51	0°♈	
max. Earth dist.	6842 Jan 26 08:41	10°♈00'41	1.45019 AU	superior conj	6843 Jan 02 09:40	13°♈18'02	0°06'20
evening rise	6842 Feb 07 00:08	28°♈07'38		minimum elong	6843 Jan 02 10:18	13°♈20'43	0°06'18
	6842 Feb 08 05:24	0°♈		behind sun begin	6843 Jan 02 01:48	12°♈45'08	
greatest brilliancy	6842 Feb 21 15:11	20°♈14'24	-0.6m	behind sun end	6843 Jan 02 18:49	13°♈56'14	
	6842 Feb 28 14:25	0°♈		desc. node	6843 Jan 03 06:43	14°♈45'43	
evening max el	6842 Mar 05 13:59	5°♈53'08	20°02'19	max. Earth dist.	6843 Jan 09 01:51	24°♈14'14	1.43906 AU
asc. node	6842 Mar 09 22:41	9°♈23'41					

	6843 Jan 12 16:40	0°♊			6844 Jan 27 09:20	0°♋	
evening rise	6843 Jan 17 11:19	7°♊27'35		evening max el	6844 Jan 30 07:04	3°♋08'36	22°25'51
	6843 Feb 01 12:30	0°♋		retrograde	6844 Feb 09 00:45	8°♋55'38	
evening max el	6843 Feb 16 13:02	19°♋29'47	21°09'30	asc. node	6844 Feb 11 16:47	8°♋18'57	
asc. node	6843 Feb 24 19:45	24°♋35'10		evening set	6844 Feb 13 16:07	7°♋02'04	
retrograde	6843 Feb 25 04:07	24°♋35'48		inferior conj	6844 Feb 19 00:30	0°♋39'48	2°13'41
evening set	6843 Mar 01 08:31	22°♋57'23		minimum elong	6844 Feb 18 22:12	0°♋47'47	2°13'00
inferior conj	6843 Mar 06 16:11	16°♋43'32	2°47'10	min. Earth dist.	6844 Feb 18 20:52	0°♋52'26	0.68276 AU
minimum elong	6843 Mar 06 13:58	16°♋51'14	2°46'39		6844 Feb 19 11:58	30°♋	
min. Earth dist.	6843 Mar 07 00:33	16°♋14'33	0.68028 AU	morning rise	6844 Feb 24 04:09	24°♋30'01	
morning rise	6843 Mar 11 19:14	10°♋30'04		direct	6844 Feb 28 20:08	22°♋32'54	
direct	6843 Mar 17 01:31	8°♋11'19		morning max el	6844 Mar 09 02:04	27°♋57'58	22°01'19
morning max el	6843 Mar 27 14:09	14°♋27'20	23°29'28		6844 Mar 11 00:16	0°♋	
desc. node	6843 Apr 01 06:07	19°♋38'22		desc. node	6844 Mar 18 03:07	8°♋47'19	
	6843 Apr 09 05:27	0°♌			6844 Apr 01 20:49	0°♌	
	6843 Apr 28 23:02	0°♍		morning set	6844 Apr 11 00:26	14°♌19'06	
morning set	6843 May 01 17:16	4°♍36'32		max. Earth dist.	6844 Apr 16 15:23	23°♌32'39	1.41251 AU
max. Earth dist.	6843 May 05 17:24	11°♍29'58	1.39054 AU		6844 Apr 20 10:44	0°♍	
superior conj	6843 May 13 06:04	25°♍07'15	-1°31'49	superior conj	6844 Apr 24 09:16	6°♍52'09	-1°55'54
minimum elong	6843 May 13 11:14	25°♍31'25	1°31'11	minimum elong	6844 Apr 24 14:25	7°♍15'01	1°55'32
	6843 May 15 20:10	0°♎		evening rise	6844 May 04 22:25	26°♍06'43	
evening rise	6843 May 22 13:39	12°♎59'17			6844 May 07 00:46	0°♎	
asc. node	6843 May 23 18:54	15°♎20'41		asc. node	6844 May 09 15:57	4°♎48'43	
	6843 May 31 20:40	0°♏		evening max el	6844 May 21 02:52	21°♎53'22	18°14'42
evening max el	6843 Jun 07 18:57	9°♏12'12	18°43'03	retrograde	6844 May 28 04:48	25°♎26'32	
retrograde	6843 Jun 15 21:58	13°♏13'05		evening set	6844 May 30 14:07	25°♎03'05	
evening set	6843 Jun 17 23:54	12°♏58'15		inferior conj	6844 Jun 06 16:59	20°♎20'12	2°01'11
inferior conj	6843 Jun 25 21:58	8°♏35'41	0°40'45	minimum elong	6844 Jun 06 20:12	20°♎13'13	2°00'11
minimum elong	6843 Jun 25 23:29	8°♏32'52	0°40'08	min. Earth dist.	6844 Jun 10 02:42	17°♎24'05	0.59339 AU
desc. node	6843 Jun 28 05:23	6°♏52'28		morning rise	6844 Jun 13 23:16	14°♎39'39	
min. Earth dist.	6843 Jun 29 04:01	6°♏11'38	0.57238 AU	desc. node	6844 Jun 14 02:25	14°♎35'11	
morning rise	6843 Jul 03 19:36	3°♏25'24		direct	6844 Jun 20 07:18	12°♎49'06	
direct	6843 Jul 09 10:10	2°♏07'55		morning max el	6844 Jul 04 16:18	20°♎39'38	27°28'51
morning max el	6843 Jul 23 18:48	9°♏39'47	26°27'09		6844 Jul 12 17:40	0°♏	
	6843 Aug 08 06:12	0°♐			6844 Jul 31 02:28	0°♐	
asc. node	6843 Aug 19 18:13	21°♐18'12		morning set	6844 Aug 05 00:22	9°♐55'28	
morning set	6843 Aug 21 16:42	25°♐21'14		asc. node	6844 Aug 05 15:14	11°♐13'34	
	6843 Aug 23 20:40	0°♑		max. Earth dist.	6844 Aug 11 12:49	24°♐02'00	1.31781 AU
superior conj	6843 Aug 28 15:11	10°♑29'50	1°20'13	superior conj	6844 Aug 12 02:55	25°♐20'00	1°02'35
minimum elong	6843 Aug 28 12:59	10°♑17'35	1°19'54	minimum elong	6844 Aug 12 00:42	25°♐07'46	1°02'10
max. Earth dist.	6843 Aug 29 02:11	11°♑30'40	1.31932 AU		6844 Aug 14 05:31	0°♑	
evening rise	6843 Sep 04 12:43	25°♑28'43		evening rise	6844 Aug 18 21:29	10°♑09'31	
	6843 Sep 06 17:08	0°♒			6844 Aug 29 00:20	0°♒	
	6843 Sep 23 23:39	0°♓		desc. node	6844 Sep 10 01:33	18°♒17'13	
desc. node	6843 Sep 24 04:32	0°♓17'19		evening max el	6844 Sep 16 09:43	25°♒18'28	26°06'29
evening max el	6843 Oct 05 11:09	13°♓44'38	27°03'37		6844 Sep 22 11:09	0°♓	
retrograde	6843 Oct 19 08:26	20°♓55'52		retrograde	6844 Sep 30 08:30	2°♓24'13	
evening set	6843 Oct 26 08:52	18°♓45'34		evening set	6844 Oct 06 18:54	0°♓44'39	
min. Earth dist.	6843 Oct 30 01:42	16°♓04'32	0.60869 AU		6844 Oct 08 03:38	30°♓	
inferior conj	6843 Nov 02 05:04	13°♓24'06	-4°03'49	min. Earth dist.	6844 Oct 10 22:44	28°♓09'46	0.58790 AU
minimum elong	6843 Nov 02 11:51	13°♓09'37	4°01'53	inferior conj	6844 Oct 14 03:17	25°♓47'59	-4°57'33
morning rise	6843 Nov 09 17:03	8°♓33'51		minimum elong	6844 Oct 14 09:15	25°♓36'52	4°56'29
direct	6843 Nov 11 23:09	8°♓13'34		morning rise	6844 Oct 22 01:52	21°♓20'08	
asc. node	6843 Nov 15 17:34	9°♓12'50		direct	6844 Oct 24 09:47	21°♓01'59	
morning max el	6843 Nov 19 04:47	11°♓50'09	17°59'44	morning max el	6844 Nov 01 12:56	24°♓58'17	18°30'51
	6843 Dec 01 07:06	0°♈		asc. node	6844 Nov 01 14:36	25°♓02'19	
morning set	6843 Dec 04 21:21	6°♈35'30			6844 Nov 05 18:40	0°♈	
				morning set	6844 Nov 17 14:22	20°♈38'17	
					6844 Nov 22 10:59	0°♈	
superior conj	6843 Dec 14 23:51	24°♈56'31	0°43'54				
minimum elong	6843 Dec 15 03:07	25°♈10'53	0°43'30				
	6843 Dec 17 21:34	0°♉		superior conj	6844 Nov 26 12:02	7°♈37'55	1°11'53
desc. node	6843 Dec 21 03:45	5°♉32'09		minimum elong	6844 Nov 26 15:35	7°♈54'25	1°11'30
max. Earth dist.	6843 Dec 22 14:08	7°♉55'39	1.42231 AU	max. Earth dist.	6844 Dec 03 21:42	20°♈56'13	1.40203 AU
evening rise	6843 Dec 28 09:27	17°♉21'27		desc. node	6844 Dec 07 00:44	26°♈16'50	
	6844 Jan 05 13:19	0°♊		evening rise	6844 Dec 08 04:03	28°♈11'15	

	6844 Dec 09 06:18	0°♄			6845 Dec 02 00:57	0°♄	
	6844 Dec 29 02:42	0°♋			6845 Dec 24 20:10	0°♋	
evening max el	6845 Jan 11 21:42	16°♋50'48	23°45'57	evening max el	6845 Dec 25 10:50	0°♋36'33	25°03'10
retrograde	6845 Jan 22 18:16	23°♋14'43		retrograde	6846 Jan 06 07:34	7°♋29'04	
evening set	6845 Jan 27 21:54	21°♋06'20		evening set	6846 Jan 12 00:20	5°♋07'02	
asc. node	6845 Jan 28 13:49	20°♋30'30		asc. node	6846 Jan 15 10:51	1°♋26'49	
min. Earth dist.	6845 Feb 01 17:32	15°♋30'34	0.68133 AU	min. Earth dist.	6846 Jan 16 12:16	0°♋05'44	0.67617 AU
inferior conj	6845 Feb 02 08:31	14°♋39'28	1°32'00		6846 Jan 16 14:02	30°♋♄	
minimum elong	6845 Feb 02 06:36	14°♋45'59	1°31'21	inferior conj	6846 Jan 17 14:26	28°♄40'04	0°42'51
morning rise	6845 Feb 07 15:17	8°♋35'05		minimum elong	6846 Jan 17 13:25	28°♄43'26	0°42'29
direct	6845 Feb 11 17:34	7°♋00'32		morning rise	6846 Jan 23 02:43	22°♄42'54	
morning max el	6845 Feb 19 20:12	11°♋39'02	20°41'27	direct	6846 Jan 26 16:23	21°♄29'36	
desc. node	6845 Mar 05 00:06	28°♋28'32		morning max el	6846 Feb 02 22:23	25°♄32'22	19°34'38
	6845 Mar 06 01:30	0°♋			6846 Feb 06 20:43	0°♋	
morning set	6845 Mar 21 05:59	22°♋52'24		greatest brilliancy	6846 Feb 15 19:30	12°♋27'59	-0.7m
	6845 Mar 25 18:51	0°♋		desc. node	6846 Feb 19 21:06	18°♋33'28	
max. Earth dist.	6845 Mar 29 20:36	6°♋31'32	1.43181 AU		6846 Feb 27 08:51	0°♋	
				morning set	6846 Feb 28 03:04	1°♋10'09	
superior conj	6845 Apr 05 13:27	17°♋33'51	-2°09'32	max. Earth dist.	6846 Mar 12 09:23	20°♋18'36	1.44597 AU
minimum elong	6845 Apr 05 15:30	17°♋42'28	2°09'31				
	6845 Apr 12 19:52	0°♋		superior conj	6846 Mar 16 16:31	27°♋09'45	-2°06'45
evening rise	6845 Apr 17 15:35	8°♋28'43		minimum elong	6846 Mar 16 12:10	26°♋52'15	2°06'36
asc. node	6845 Apr 26 12:58	23°♋53'40			6846 Mar 18 10:48	0°♋	
	6845 Apr 30 12:26	0°♋		evening rise	6846 Mar 30 12:45	19°♋56'55	
evening max el	6845 May 04 15:00	4°♋58'48	18°05'55		6846 Apr 05 12:19	0°♋	
retrograde	6845 May 11 03:30	8°♋20'21		asc. node	6846 Apr 13 10:00	12°♋28'14	
evening set	6845 May 13 20:00	7°♋45'43		evening max el	6846 Apr 18 04:06	18°♋20'00	18°16'01
inferior conj	6845 May 20 07:04	2°♋42'36	2°52'37	retrograde	6846 Apr 24 13:36	21°♋44'41	
minimum elong	6845 May 20 09:50	2°♋35'40	2°52'01	evening set	6846 Apr 27 12:51	20°♋57'26	
	6845 May 23 00:14	30°♋♄		inferior conj	6846 May 03 12:11	15°♋35'29	3°19'39
min. Earth dist.	6845 May 23 08:58	29°♋39'02	0.61575 AU	minimum elong	6846 May 03 13:36	15°♋31'30	3°19'29
morning rise	6845 May 26 21:40	26°♋42'18		min. Earth dist.	6846 May 06 00:25	12°♋46'52	0.63661 AU
desc. node	6845 May 31 23:27	24°♋30'14		morning rise	6846 May 09 13:14	9°♋24'20	
direct	6845 Jun 02 15:20	24°♋21'53		direct	6846 May 16 08:12	6°♋43'47	
	6845 Jun 14 07:34	0°♋		desc. node	6846 May 18 20:28	7°♋03'27	
morning max el	6845 Jun 16 20:06	2°♋21'39	27°54'01	morning max el	6846 May 30 04:33	14°♋44'14	27°41'34
	6845 Jul 07 03:10	0°♋			6846 Jun 11 14:07	0°♋	
morning set	6845 Jul 20 03:17	24°♋13'06			6846 Jun 29 18:28	0°♋	
	6845 Jul 22 21:47	0°♋		morning set	6846 Jul 03 23:05	8°♋07'02	
asc. node	6845 Jul 23 12:15	1°♋16'51		max. Earth dist.	6846 Jul 09 00:12	18°♋28'11	1.32818 AU
max. Earth dist.	6845 Jul 25 21:29	6°♋25'15	1.32070 AU	asc. node	6846 Jul 10 09:15	21°♋23'20	
superior conj	6845 Jul 27 13:09	10°♋01'57	0°40'37	superior conj	6846 Jul 11 20:01	24°♋29'31	0°14'51
minimum elong	6845 Jul 27 11:26	9°♋52'33	0°40'14	minimum elong	6846 Jul 11 19:18	24°♋25'39	0°14'38
evening rise	6845 Aug 03 08:40	24°♋54'43		behind sun begin	6846 Jul 11 17:08	24°♋14'03	
	6845 Aug 05 18:40	0°♋		behind sun end	6846 Jul 11 21:27	24°♋37'15	
	6845 Aug 23 13:23	0°♋			6846 Jul 14 09:10	0°♋	
desc. node	6845 Aug 27 22:35	5°♋00'18		evening rise	6846 Jul 18 20:23	9°♋37'41	
evening max el	6845 Aug 29 00:53	6°♋05'27	24°42'13		6846 Jul 29 08:19	0°♋	
retrograde	6845 Sep 11 21:15	13°♋03'44		evening max el	6846 Aug 10 12:42	16°♋23'30	23°04'21
evening set	6845 Sep 17 04:40	12°♋00'39		desc. node	6846 Aug 14 19:38	19°♋56'49	
min. Earth dist.	6845 Sep 22 12:04	9°♋13'44	0.56871 AU	retrograde	6846 Aug 23 21:33	23°♋04'43	
inferior conj	6845 Sep 25 05:42	7°♋27'58	-5°26'16	evening set	6846 Aug 27 16:48	22°♋33'05	
minimum elong	6845 Sep 25 07:11	7°♋25'34	5°26'11	min. Earth dist.	6846 Sep 03 21:25	19°♋17'11	0.55421 AU
morning rise	6845 Oct 03 11:56	3°♋22'15		inferior conj	6846 Sep 05 12:32	18°♋20'33	-5°11'58
direct	6845 Oct 06 02:11	3°♋03'33		minimum elong	6846 Sep 05 06:59	18°♋28'36	5°11'18
morning max el	6845 Oct 15 11:25	7°♋29'20	19°23'41	morning rise	6846 Sep 13 23:23	14°♋30'13	
asc. node	6845 Oct 19 11:37	12°♋02'42		direct	6846 Sep 16 23:30	14°♋08'53	
	6845 Oct 30 02:16	0°♋		morning max el	6846 Sep 27 21:42	19°♋14'30	20°38'43
morning set	6845 Nov 01 15:50	5°♋04'42		asc. node	6846 Oct 06 08:38	29°♋58'05	
					6846 Oct 06 09:07	0°♋	
superior conj	6845 Nov 09 17:06	21°♋08'24	1°30'14	morning set	6846 Oct 16 22:48	19°♋45'27	
minimum elong	6845 Nov 09 19:41	21°♋20'59	1°30'04		6846 Oct 21 21:21	0°♋	
	6845 Nov 14 08:19	0°♋					
max. Earth dist.	6845 Nov 16 03:16	3°♋18'41	1.38065 AU	superior conj	6846 Oct 24 10:19	5°♋13'36	1°39'59
evening rise	6845 Nov 19 21:03	10°♋01'19		minimum elong	6846 Oct 24 11:29	5°♋19'32	1°39'58
desc. node	6845 Nov 23 21:44	16°♋56'26		max. Earth dist.	6846 Oct 29 11:06	15°♋15'36	1.36053 AU

evening rise	6846 Nov 02 09:40	22° \mathbb{M} 43'54		asc. node	6847 Sep 23 05:40	18° \mathbb{M} 35'46	
	6846 Nov 06 10:23	0° \mathbb{A}			6847 Sep 29 04:05	0° \mathbb{A}	
desc. node	6846 Nov 10 18:45	7° \mathbb{A} 25'51		morning set	6847 Oct 01 09:02	4° \mathbb{A} 34'18	
	6846 Nov 25 19:03	0° \mathbb{B}					
evening max el	6846 Dec 07 23:40	14° \mathbb{B} 21'18	26°10'27	superior conj	6847 Oct 08 12:00	19° \mathbb{A} 42'48	1°42'15
retrograde	6846 Dec 20 16:00	21° \mathbb{B} 32'17		minimum elong	6847 Oct 08 11:48	19° \mathbb{A} 41'43	1°42'17
evening set	6846 Dec 26 21:42	18° \mathbb{B} 59'38		max. Earth dist.	6847 Oct 12 01:46	27° \mathbb{A} 09'30	1.34356 AU
min. Earth dist.	6846 Dec 31 02:48	14° \mathbb{B} 33'12	0.66730 AU		6847 Oct 13 11:19	0° \mathbb{M}	
inferior conj	6847 Jan 01 16:22	12° \mathbb{B} 37'23	-0°13'08	evening rise	6847 Oct 16 14:01	6° \mathbb{M} 09'26	
minimum elong	6847 Jan 01 16:43	12° \mathbb{B} 36'19	0°12'55	desc. node	6847 Oct 28 15:47	27° \mathbb{M} 39'49	
transit middle	6847 Jan 01 16:43	12° \mathbb{B} 36'19	0°12'55		6847 Oct 30 02:38	0° \mathbb{A}	
transit begin	6847 Jan 01 15:01	12° \mathbb{B} 41'36		evening max el	6847 Nov 20 12:34	27° \mathbb{A} 58'27	27°00'29
transit end	6847 Jan 01 18:26	12° \mathbb{B} 31'02			6847 Nov 22 18:14	0° \mathbb{B}	
asc. node	6847 Jan 02 07:55	11° \mathbb{B} 49'41		retrograde	6847 Dec 03 18:56	5° \mathbb{B} 17'26	
morning rise	6847 Jan 07 12:22	6° \mathbb{B} 49'43		evening set	6847 Dec 10 11:59	2° \mathbb{B} 39'32	
direct	6847 Jan 10 15:01	5° \mathbb{B} 54'44			6847 Dec 13 08:23	30° \mathbb{R} \mathbb{A}	
morning max el	6847 Jan 17 07:56	9° \mathbb{B} 34'07	18°43'17	min. Earth dist.	6847 Dec 14 10:57	28° \mathbb{A} 47'46	0.65485 AU
	6847 Feb 01 01:30	0° \mathbb{A}		inferior conj	6847 Dec 16 12:12	26° \mathbb{A} 27'30	-1°14'54
desc. node	6847 Feb 06 18:06	8° \mathbb{A} 55'10		minimum elong	6847 Dec 16 14:22	26° \mathbb{A} 21'17	1°13'55
morning set	6847 Feb 07 16:18	10° \mathbb{A} 22'23		asc. node	6847 Dec 20 04:59	22° \mathbb{A} 36'38	
	6847 Feb 20 04:43	0° \mathbb{H}		morning rise	6847 Dec 22 17:53	20° \mathbb{A} 51'43	
max. Earth dist.	6847 Feb 23 02:54	4° \mathbb{H} 34'55	1.45335 AU	direct	6847 Dec 25 11:27	20° \mathbb{A} 11'18	
				morning max el	6847 Dec 31 22:41	23° \mathbb{A} 38'24	18°08'24
superior conj	6847 Feb 24 00:20	5° \mathbb{H} 58'56	-1°43'58		6848 Jan 06 02:56	0° \mathbb{B}	
minimum elong	6847 Feb 23 15:00	5° \mathbb{H} 22'18	1°43'07	morning set	6848 Jan 19 10:30	21° \mathbb{B} 02'19	
evening rise	6847 Mar 11 10:44	0° \mathbb{Y} 27'20		desc. node	6848 Jan 24 15:05	29° \mathbb{B} 28'39	
	6847 Mar 11 03:55	0° \mathbb{Y}			6848 Jan 24 22:50	0° \mathbb{A}	
greatest brilliancy	6847 Mar 18 18:51	12° \mathbb{Y} 13'59	-0.9m				
	6847 Mar 30 23:05	0° \mathbb{B}		superior conj	6848 Feb 03 05:45	14° \mathbb{A} 49'04	-1°04'35
asc. node	6847 Mar 31 07:03	0° \mathbb{B} 23'02		minimum elong	6848 Feb 02 22:07	14° \mathbb{A} 18'57	1°03'35
evening max el	6847 Apr 01 15:26	1° \mathbb{B} 50'21	18°44'17	max. Earth dist.	6848 Feb 05 22:10	19° \mathbb{A} 02'24	1.45340 AU
retrograde	6847 Apr 08 06:56	5° \mathbb{B} 31'04			6848 Feb 12 22:35	0° \mathbb{H}	
evening set	6847 Apr 11 13:04	4° \mathbb{B} 30'24		evening rise	6848 Feb 19 10:53	10° \mathbb{H} 07'19	
	6847 Apr 16 05:54	30° \mathbb{R} \mathbb{Y}		greatest brilliancy	6848 Mar 03 01:11	29° \mathbb{H} 30'08	-0.7m
inferior conj	6847 Apr 17 04:24	28° \mathbb{Y} 51'25	3°27'41		6848 Mar 03 09:08	0° \mathbb{Y}	
minimum elong	6847 Apr 17 04:22	28° \mathbb{Y} 51'30	3°27'39	evening max el	6848 Mar 14 22:54	15° \mathbb{Y} 24'43	19°29'33
min. Earth dist.	6847 Apr 19 01:14	26° \mathbb{Y} 33'38	0.65421 AU	asc. node	6848 Mar 17 04:08	17° \mathbb{Y} 25'37	
morning rise	6847 Apr 22 19:06	22° \mathbb{Y} 35'37		retrograde	6848 Mar 22 04:03	19° \mathbb{Y} 32'18	
direct	6847 Apr 29 08:38	19° \mathbb{Y} 47'21		evening set	6848 Mar 25 17:53	18° \mathbb{Y} 17'30	
desc. node	6847 May 05 17:30	21° \mathbb{Y} 53'58		inferior conj	6848 Mar 31 04:20	12° \mathbb{Y} 23'23	3°20'57
morning max el	6847 May 12 14:57	27° \mathbb{Y} 37'24	26°56'13	minimum elong	6848 Mar 31 03:07	12° \mathbb{Y} 27'21	3°20'49
	6847 May 14 20:52	0° \mathbb{B}		min. Earth dist.	6848 Apr 01 10:06	10° \mathbb{Y} 45'35	0.66775 AU
	6847 Jun 05 06:57	0° \mathbb{II}		morning rise	6848 Apr 05 12:02	6° \mathbb{Y} 06'51	
morning set	6847 Jun 17 08:52	21° \mathbb{II} 29'12		direct	6848 Apr 11 15:29	3° \mathbb{Y} 22'54	
max. Earth dist.	6847 Jun 21 17:25	0° \mathbb{B} 03'08	1.34038 AU	desc. node	6848 Apr 21 14:31	8° \mathbb{Y} 28'17	
	6847 Jun 21 16:47	0° \mathbb{B}		morning max el	6848 Apr 24 00:47	10° \mathbb{Y} 47'28	25°46'02
					6848 May 09 07:13	0° \mathbb{B}	
superior conj	6847 Jun 25 21:25	8° \mathbb{B} 36'53	-0°13'58		6848 May 27 21:49	0° \mathbb{II}	
minimum elong	6847 Jun 25 22:10	8° \mathbb{B} 40'50	0°13'53	morning set	6848 May 30 04:30	4° \mathbb{II} 07'18	
behind sun begin	6847 Jun 25 19:18	8° \mathbb{B} 25'49		max. Earth dist.	6848 Jun 02 23:09	11° \mathbb{II} 11'08	1.35721 AU
behind sun end	6847 Jun 26 01:03	8° \mathbb{B} 55'51					
asc. node	6847 Jun 27 06:17	11° \mathbb{B} 29'20		superior conj	6848 Jun 08 14:40	22° \mathbb{II} 16'08	-0°44'38
evening rise	6847 Jul 03 06:44	24° \mathbb{B} 12'49		minimum elong	6848 Jun 08 17:15	22° \mathbb{II} 29'06	0°44'12
	6847 Jul 06 02:02	0° \mathbb{Q}			6848 Jun 12 09:46	0° \mathbb{B}	
evening max el	6847 Jul 23 05:53	26° \mathbb{Q} 48'21	21°29'25	asc. node	6848 Jun 13 03:18	1° \mathbb{B} 30'15	
	6847 Jul 27 01:46	0° \mathbb{M}		evening rise	6848 Jun 16 13:31	8° \mathbb{B} 32'52	
desc. node	6847 Aug 01 16:41	2° \mathbb{M} 33'56			6848 Jun 28 05:33	0° \mathbb{Q}	
retrograde	6847 Aug 04 12:12	2° \mathbb{M} 52'54		evening max el	6848 Jul 04 11:01	7° \mathbb{Q} 48'03	20°09'10
evening set	6847 Aug 06 23:58	2° \mathbb{M} 38'43		retrograde	6848 Jul 15 01:46	13° \mathbb{Q} 01'00	
	6847 Aug 13 20:20	30° \mathbb{R} \mathbb{Q}		evening set	6848 Jul 16 23:41	12° \mathbb{Q} 51'35	
inferior conj	6847 Aug 16 06:48	28° \mathbb{Q} 39'29	-4°04'03	desc. node	6848 Jul 18 13:45	12° \mathbb{Q} 30'16	
minimum elong	6847 Aug 15 21:33	28° \mathbb{Q} 52'27	4°01'33	inferior conj	6848 Jul 26 01:55	8° \mathbb{Q} 53'01	-2°15'17
min. Earth dist.	6847 Aug 16 06:49	28° \mathbb{Q} 39'28	0.54751 AU	minimum elong	6848 Jul 25 19:40	9° \mathbb{Q} 02'18	2°13'02
morning rise	6847 Aug 24 20:07	24° \mathbb{Q} 47'33		min. Earth dist.	6848 Jul 27 18:12	7° \mathbb{Q} 53'13	0.55037 AU
direct	6847 Aug 28 08:48	24° \mathbb{Q} 20'35		morning rise	6848 Aug 03 14:14	4° \mathbb{Q} 38'58	
	6847 Sep 09 14:02	0° \mathbb{M}		direct	6848 Aug 07 20:04	3° \mathbb{Q} 59'50	
morning max el	6847 Sep 09 20:05	0° \mathbb{M} 13'56	22°12'54	morning max el	6848 Aug 21 10:33	10° \mathbb{Q} 39'28	23°57'29




























































































































































































































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morning set	6848 Sep 14 20:42	19°♍25'37		morning set	6849 Aug 30 08:06	4°♍14'23	
	6848 Sep 19 18:11	0°♎					
superior conj	6848 Sep 21 19:14	4°♎26'44	1°38'05	superior conj	6849 Sep 06 05:42	19°♍17'57	1°28'14
minimum elong	6848 Sep 21 17:56	4°♎19'41	1°38'01	minimum elong	6849 Sep 06 03:42	19°♍06'54	1°28'01
max. Earth dist.	6848 Sep 24 01:04	9°♎16'38	1.33068 AU	max. Earth dist.	6849 Sep 07 07:30	21°♍39'48	1.32224 AU
evening rise	6848 Sep 29 06:10	20°♎07'25		evening rise	6849 Sep 11 03:49	0°♎	
	6848 Oct 04 08:10	0°♎			6849 Sep 13 06:49	4°♎28'14	
desc. node	6848 Oct 14 12:50	17°♎31'26		desc. node	6849 Sep 27 00:32	0°♎	
	6848 Oct 23 03:50	0°♏		evening max el	6849 Oct 01 09:54	6°♎50'51	
evening max el	6848 Nov 02 00:38	11°♏17'43	27°26'14		6849 Oct 15 09:36	24°♎05'10	27°21'34
retrograde	6848 Nov 15 15:40	18°♏36'10		retrograde	6849 Oct 23 15:57	0°♏	
evening set	6848 Nov 22 16:38	16°♏01'00			6849 Oct 29 05:05	1°♏18'30	
min. Earth dist.	6848 Nov 26 10:38	12°♏41'49	0.63905 AU	evening set	6849 Nov 03 11:58	30°♏♎	
inferior conj	6848 Nov 28 23:26	10°♏04'54	-2°20'42	min. Earth dist.	6849 Nov 05 08:14	28°♎56'03	
minimum elong	6848 Nov 29 03:42	9°♏53'50	2°18'58	inferior conj	6849 Nov 08 23:58	26°♎04'04	0.62040 AU
morning rise	6848 Dec 05 16:23	4°♏43'59		minimum elong	6849 Nov 11 23:00	23°♎21'08	-3°27'19
asc. node	6848 Dec 06 02:02	4°♏35'05		morning rise	6849 Nov 12 05:10	23°♎06'57	3°25'14
direct	6848 Dec 08 03:15	4°♏14'07		direct	6849 Nov 19 04:04	18°♎18'31	
morning max el	6848 Dec 14 15:46	7°♏38'15	17°50'40	asc. node	6849 Nov 21 11:02	17°♎55'34	
	6848 Dec 29 13:29	0°♐		morning max el	6849 Nov 22 23:03	18°♎05'43	
morning set	6848 Dec 31 08:32	3°♐04'11			6849 Nov 28 08:02	21°♎25'03	17°50'56
desc. node	6849 Jan 10 12:04	20°♐10'14		morning set	6849 Dec 04 20:30	0°♏	
					6849 Dec 14 03:52	16°♏06'52	
superior conj	6849 Jan 13 03:44	24°♐30'58	-0°18'52		6849 Dec 21 23:24	0°♐	
minimum elong	6849 Jan 13 01:36	24°♐22'20	0°18'30	superior conj	6849 Dec 25 03:14	5°♐27'07	0°23'21
	6849 Jan 16 13:12	0°♑		minimum elong	6849 Dec 25 05:19	5°♐36'03	0°23'07
max. Earth dist.	6849 Jan 18 16:45	3°♑25'38	1.44622 AU	desc. node	6849 Dec 28 09:05	10°♐55'49	
evening rise	6849 Jan 28 22:33	19°♑24'17		max. Earth dist.	6850 Jan 01 08:24	17°♐28'42	1.43259 AU
	6849 Feb 04 21:39	0°♒		evening rise	6850 Jan 08 12:49	28°♐55'21	
evening max el	6849 Feb 26 01:15	29°♒01'13	20°29'36		6850 Jan 09 05:26	0°♑	
	6849 Feb 27 01:12	0°♑			6850 Jan 29 14:47	0°♒	
asc. node	6849 Mar 04 01:13	3°♑22'04		evening max el	6850 Feb 08 22:09	12°♒38'57	21°41'10
retrograde	6849 Mar 06 02:25	3°♑44'01		retrograde	6850 Feb 18 00:04	18°♒01'51	
evening set	6849 Mar 10 01:08	2°♑14'24		asc. node	6850 Feb 18 22:16	17°♒57'22	
	6849 Mar 12 08:56	30°♒♒		evening set	6850 Feb 22 09:03	16°♒16'54	
inferior conj	6849 Mar 15 09:14	26°♒07'13	3°02'24	inferior conj	6850 Feb 27 16:50	9°♒59'16	2°33'59
minimum elong	6849 Mar 15 07:15	26°♒13'59	3°02'02	minimum elong	6850 Feb 27 14:32	10°♒07'18	2°33'23
min. Earth dist.	6849 Mar 16 01:05	25°♒12'59	0.67699 AU	min. Earth dist.	6850 Feb 27 19:59	9°♒48'19	0.68191 AU
morning rise	6849 Mar 20 13:09	19°♒52'17		morning rise	6850 Mar 04 19:51	3°♒47'24	
direct	6849 Mar 26 03:40	17°♒22'17		direct	6850 Mar 09 20:07	1°♒37'31	
morning max el	6849 Apr 06 09:30	24°♒05'54	24°21'00	morning max el	6850 Mar 19 19:16	7°♒31'06	22°51'21
desc. node	6849 Apr 08 11:31	26°♒18'16		desc. node	6850 Mar 26 08:30	15°♒02'31	
	6849 Apr 11 16:00	0°♑			6850 Apr 06 06:37	0°♑	
	6849 May 02 17:23	0°♒		morning set	6850 Apr 23 04:07	26°♑14'30	
morning set	6849 May 12 04:50	15°♒47'16			6850 Apr 25 10:10	0°♒	
max. Earth dist.	6849 May 15 20:23	22°♒15'22	1.37781 AU	max. Earth dist.	6850 Apr 27 16:35	3°♒51'14	1.40006 AU
	6849 May 20 01:21	0°♓					
superior conj	6849 May 22 20:29	5°♓18'57	-1°15'17	superior conj	6850 May 05 10:44	17°♒35'10	-1°42'57
minimum elong	6849 May 23 00:53	5°♓40'06	1°14'38	minimum elong	6850 May 05 16:11	18°♒00'02	1°42'24
asc. node	6849 May 31 00:21	21°♓22'05			6850 May 12 02:22	0°♓	
evening rise	6849 May 31 14:17	22°♓31'10		evening rise	6850 May 15 05:56	5°♓59'42	
	6849 Jun 04 10:15	0°♑		asc. node	6850 May 17 21:24	11°♓00'17	
evening max el	6849 Jun 17 04:51	19°♑31'20	19°08'34		6850 May 29 14:36	0°♑	
retrograde	6849 Jun 26 03:04	23°♑54'44		evening max el	6850 May 31 08:37	1°♑53'35	18°28'34
evening set	6849 Jun 28 01:49	23°♑43'04		retrograde	6850 Jun 07 23:23	5°♑40'44	
desc. node	6849 Jul 05 10:48	20°♑12'38		evening set	6850 Jun 10 04:30	5°♑22'31	
inferior conj	6849 Jul 06 11:24	19°♑31'19	-0°18'32	inferior conj	6850 Jun 17 18:03	0°♑51'05	1°18'33
minimum elong	6849 Jul 06 10:37	19°♑32'40	0°18'18	minimum elong	6850 Jun 17 20:38	0°♑45'57	1°17'37
min. Earth dist.	6849 Jul 09 08:27	17°♑34'56	0.56234 AU		6850 Jun 18 19:35	30°♒♓	
morning rise	6849 Jul 14 16:19	14°♑42'27		min. Earth dist.	6850 Jun 21 03:15	28°♓10'54	0.58090 AU
direct	6849 Jul 19 19:08	13°♑41'38		desc. node	6850 Jun 22 07:49	27°♓18'53	
morning max el	6849 Aug 02 23:45	20°♑57'04	25°37'52	morning rise	6850 Jun 25 09:28	25°♓26'58	
	6849 Aug 10 19:57	0°♒		direct	6850 Jul 01 08:11	23°♓55'57	
					6850 Jul 14 00:14	0°♑	

morning max el	6850 Jul 15 17:34	1°☿36'10	26°57'41		6851 Jul 11 07:45	0°☿	
	6850 Aug 05 00:55	0°♊			6851 Jul 28 07:51	0°♊	
asc. node	6850 Aug 13 20:40	17°♊05'57		morning set	6851 Jul 29 23:33	3°♊23'52	
morning set	6850 Aug 14 17:40	18°♊56'03		asc. node	6851 Jul 31 17:41	7°♊05'02	
	6850 Aug 19 20:13	0°♋		max. Earth dist.	6851 Aug 05 04:11	16°♊42'01	1.31843 AU
superior conj	6850 Aug 21 17:29	4°♋10'31	1°13'19	superior conj	6851 Aug 06 04:46	18°♊57'25	0°53'47
minimum elong	6850 Aug 21 15:13	3°♋57'56	1°12'57	minimum elong	6851 Aug 06 02:42	18°♊46'03	0°53'21
max. Earth dist.	6850 Aug 21 17:53	4°♋12'42	1.31816 AU		6851 Aug 11 05:10	0°♋	
evening rise	6850 Aug 28 13:18	19°♋04'12		evening rise	6851 Aug 12 23:17	3°♋47'04	
	6850 Sep 02 22:16	0°♌			6851 Aug 26 20:30	0°♌	
desc. node	6850 Sep 18 06:57	25°♌25'13		desc. node	6851 Sep 05 03:59	12°♌55'29	
	6850 Sep 21 20:27	0°♍		evening max el	6851 Sep 09 07:30	17°♌19'46	25°33'16
evening max el	6850 Sep 27 12:33	6°♍08'08	26°43'11	retrograde	6851 Sep 23 05:52	24°♌23'35	
retrograde	6850 Oct 11 10:15	13°♍16'19		evening set	6851 Sep 29 06:34	22°♌58'56	
evening set	6850 Oct 18 06:31	11°♍17'46		min. Earth dist.	6851 Oct 03 19:31	20°♌21'25	0.57939 AU
min. Earth dist.	6850 Oct 22 02:24	8°♍41'42	0.59993 AU	inferior conj	6851 Oct 06 21:26	18°♌12'37	-5°13'48
inferior conj	6850 Oct 25 07:29	6°♍07'08	-4°28'36	minimum elong	6851 Oct 07 02:00	18°♌04'37	5°13'14
minimum elong	6850 Oct 25 14:17	5°♍53'25	4°26'56	morning rise	6851 Oct 14 23:46	13°♌54'54	
morning rise	6850 Nov 02 00:15	1°♍26'12		direct	6851 Oct 17 09:48	13°♌36'53	
direct	6850 Nov 04 06:46	1°♍07'02		morning max el	6851 Oct 26 00:42	17°♌44'05	18°50'38
asc. node	6850 Nov 09 20:03	3°♍08'03		asc. node	6851 Oct 27 17:03	19°♌29'18	
morning max el	6850 Nov 11 20:12	4°♍50'25	18°10'23		6851 Nov 03 22:50	0°♎	
morning set	6850 Nov 27 14:23	29°♍51'58		morning set	6851 Nov 11 11:23	14°♎05'37	
	6850 Nov 27 16:05	0°♏					
superior conj	6850 Dec 07 03:28	17°♏34'36	0°56'58	superior conj	6851 Nov 19 23:29	0°♏38'48	1°20'47
minimum elong	6850 Dec 07 07:04	17°♏50'50	0°56'33	minimum elong	6851 Nov 20 02:43	0°♏54'10	1°20'29
	6850 Dec 14 05:57	0°♐			6851 Nov 19 15:19	0°♐	
max. Earth dist.	6850 Dec 14 19:06	0°♐55'37	1.41407 AU	max. Earth dist.	6851 Nov 27 01:03	13°♏37'43	1.39293 AU
desc. node	6850 Dec 15 06:06	1°♐41'59		evening rise	6851 Nov 30 23:15	20°♏26'57	
evening rise	6850 Dec 19 19:03	9°♐11'35		desc. node	6851 Dec 02 03:07	22°♏24'56	
	6851 Jan 02 07:18	0°♑			6851 Dec 06 17:47	0°♑	
evening max el	6851 Jan 22 14:27	26°♑18'44	22°59'42	evening max el	6851 Dec 27 10:32	0°♑	
	6851 Jan 26 19:46	0°♒		retrograde	6852 Jan 05 04:02	10°♑01'56	24°19'28
retrograde	6851 Feb 01 19:30	2°♒22'01		evening set	6852 Jan 16 11:31	16°♑39'57	
asc. node	6851 Feb 05 19:17	1°♒01'28		asc. node	6852 Jan 21 20:40	14°♑25'21	
evening set	6851 Feb 06 16:04	0°♒21'46		min. Earth dist.	6852 Jan 23 16:19	12°♑37'52	
	6851 Feb 07 02:01	30°♒		inferior conj	6852 Jan 26 12:48	9°♑04'10	0.67957 AU
min. Earth dist.	6851 Feb 11 16:38	24°♑26'42	0.68270 AU	minimum elong	6852 Jan 27 08:36	7°♑57'35	1°12'01
inferior conj	6851 Feb 12 01:14	23°♑56'58	1°56'55	morning rise	6852 Jan 27 07:01	8°♑02'56	1°11'27
minimum elong	6851 Feb 11 23:03	24°♑04'32	1°56'13	direct	6852 Feb 01 17:27	1°♑56'02	
morning rise	6851 Feb 17 05:57	17°♑49'31		morning max el	6852 Feb 05 14:04	0°♑31'01	
direct	6851 Feb 21 15:57	16°♑02'14		desc. node	6852 Feb 13 07:14	4°♑53'13	20°11'12
morning max el	6851 Mar 02 09:37	21°♑06'12	21°25'57		6852 Feb 28 02:29	24°♑18'22	
	6851 Mar 09 22:30	0°♓		morning set	6852 Mar 02 22:27	0°♓	
desc. node	6851 Mar 13 05:29	4°♓26'08		max. Earth dist.	6852 Mar 11 22:26	13°♓42'17	
	6851 Mar 30 12:44	0°♔			6852 Mar 22 02:02	29°♓39'02	1.43852 AU
morning set	6851 Apr 02 23:23	5°♔23'55			6852 Mar 22 07:17	0°♔	
max. Earth dist.	6851 Apr 09 17:46	16°♔19'06	1.42121 AU	superior conj	6852 Mar 27 22:03	9°♔06'36	-2°10'41
				minimum elong	6852 Mar 27 21:39	9°♔04'56	2°10'42
superior conj	6851 Apr 17 04:34	28°♔53'23	-2°03'19		6852 Apr 09 06:31	0°♕	
minimum elong	6851 Apr 17 08:53	29°♔12'01	2°03'07	evening rise	6852 Apr 09 17:53	0°♕49'12	
	6851 Apr 17 19:57	0°♖		asc. node	6852 Apr 20 15:29	19°♕12'21	
evening rise	6851 Apr 28 08:37	18°♕48'49		evening max el	6852 Apr 27 07:33	27°♕58'17	18°07'57
asc. node	6851 May 04 18:26	0°♗			6852 Apr 29 18:20	0°♗	
	6851 May 04 14:03	0°♘		retrograde	6852 May 03 17:46	1°♗19'41	
evening max el	6851 May 14 18:39	14°♗45'12	18°08'36	evening set	6852 May 06 13:03	0°♗39'59	
retrograde	6851 May 21 13:41	18°♗11'58			6852 May 07 17:56	30°♗	
evening set	6851 May 24 01:59	17°♗44'05		inferior conj	6852 May 12 18:39	25°♗28'53	3°06'42
inferior conj	6851 May 30 21:37	12°♗52'16	2°26'21	minimum elong	6852 May 12 20:54	25°♗22'58	3°06'19
minimum elong	6851 May 31 00:49	12°♗44'50	2°25'29	min. Earth dist.	6852 May 15 15:17	22°♗28'54	0.62489 AU
min. Earth dist.	6851 Jun 03 04:57	9°♗49'58	0.60282 AU	morning rise	6852 May 19 03:06	19°♗22'47	
morning rise	6851 Jun 06 21:02	7°♗01'45		direct	6852 May 25 22:15	16°♗52'04	
desc. node	6851 Jun 09 04:50	5°♗49'19		desc. node	6852 May 26 01:52	16°♗52'08	
direct	6851 Jun 13 09:57	4°♗57'53		morning max el	6852 Jun 09 00:15	24°♗54'17	27°53'08
morning max el	6851 Jun 27 18:04	12°♗53'48	27°44'28		6852 Jun 13 15:37	0°♘	

	6852 Jul 03 18:12	0°☿		direct	6853 May 08 18:46	29°♄32'44	
morning set	6852 Jul 12 23:45	17°☿32'02			6853 May 11 16:41	0°♄	
asc. node	6852 Jul 17 14:43	27°☿10'00		desc. node	6853 May 12 22:52	0°♄27'13	
max. Earth dist.	6852 Jul 18 10:36	28°☿56'32	1.32324 AU	morning max el	6853 May 22 09:39	7°♄30'19	27°25'43
	6852 Jul 18 22:24	0°♄			6853 Jun 08 17:41	0°♄	
					6853 Jun 26 00:44	0°☿	
superior conj	6852 Jul 20 13:48	3°♄33'36	0°30'07	morning set	6853 Jun 26 15:40	1°☿13'00	
minimum elong	6852 Jul 20 12:27	3°♄26'14	0°29'47	max. Earth dist.	6853 Jul 01 09:21	10°☿46'14	1.33277 AU
evening rise	6852 Jul 27 10:54	18°♄31'19		asc. node	6853 Jul 04 11:46	17°☿16'36	
	6852 Aug 02 01:10	0°♄					
evening max el	6852 Aug 20 20:17	27°♄50'08	24°01'18	superior conj	6853 Jul 04 18:38	17°☿53'06	0°02'57
desc. node	6852 Aug 22 01:02	28°♄56'47		minimum elong	6853 Jul 04 18:29	17°☿52'19	0°02'52
	6852 Aug 23 06:43	0°♄		behind sun begin	6853 Jul 04 13:05	17°☿23'38	
retrograde	6852 Sep 03 13:48	4°♄43'38		behind sun end	6853 Jul 04 23:53	18°☿21'03	
evening set	6852 Sep 08 06:03	3°♄55'26			6853 Jul 10 10:17	0°♄	
min. Earth dist.	6852 Sep 14 06:54	0°♄57'43	0.56171 AU	evening rise	6853 Jul 11 22:15	3°♄11'12	
	6852 Sep 15 20:40	30°♄			6853 Jul 26 15:37	0°♄	
inferior conj	6852 Sep 16 15:08	29°♄31'31	-5°26'28	evening max el	6853 Aug 02 09:30	8°♄07'03	22°22'51
minimum elong	6852 Sep 16 13:41	29°♄33'45	5°26'26	desc. node	6853 Aug 08 22:04	12°♄57'41	
morning rise	6852 Sep 24 23:37	25°♄33'37		retrograde	6853 Aug 15 09:03	14°♄34'29	
direct	6852 Sep 27 17:28	25°♄14'12		evening set	6853 Aug 18 13:11	14°♄12'19	
	6852 Oct 07 19:51	0°♄		min. Earth dist.	6853 Aug 26 16:06	10°♄39'52	0.55022 AU
morning max el	6852 Oct 07 18:15	29°♄56'14	19°52'58	inferior conj	6853 Aug 27 15:20	10°♄07'04	-4°49'40
asc. node	6852 Oct 13 14:04	6°♄54'24		minimum elong	6853 Aug 27 07:25	10°♄18'16	4°48'10
morning set	6852 Oct 25 15:28	28°♄38'27		morning rise	6853 Sep 05 03:24	6°♄18'16	
	6852 Oct 26 07:33	0°♄		direct	6853 Sep 08 08:39	5°♄54'51	
				morning max el	6853 Sep 19 23:06	11°♄20'43	21°16'49
superior conj	6852 Nov 02 10:13	14°♄25'11	1°35'20	asc. node	6853 Sep 30 11:07	25°♄09'09	
minimum elong	6852 Nov 02 12:12	14°♄35'08	1°35'15		6853 Oct 03 05:23	0°♄	
max. Earth dist.	6852 Nov 08 06:31	25°♄44'44	1.37179 AU	morning set	6853 Oct 10 00:07	13°♄23'28	
	6852 Nov 10 13:37	0°♄					
evening rise	6852 Nov 12 01:02	2°♄40'25		superior conj	6853 Oct 17 07:26	28°♄41'42	1°41'47
desc. node	6852 Nov 18 00:08	13°♄00'40		minimum elong	6853 Oct 17 08:00	28°♄44'37	1°41'49
	6852 Nov 28 19:53	0°♄			6853 Oct 17 22:35	0°♄	
evening max el	6852 Dec 17 16:57	23°♄47'53	25°33'30	max. Earth dist.	6853 Oct 21 17:03	7°♄38'44	1.35285 AU
	6852 Dec 26 04:01	0°♄		evening rise	6853 Oct 25 20:55	15°♄43'04	
retrograde	6852 Dec 29 23:00	0°♄50'04			6853 Nov 02 20:14	0°♄	
	6853 Jan 02 11:08	30°♄		desc. node	6853 Nov 04 21:11	3°♄24'35	
evening set	6853 Jan 04 21:12	28°♄23'13			6853 Nov 23 09:05	0°♄	
min. Earth dist.	6853 Jan 09 06:10	23°♄36'27	0.67279 AU	evening max el	6853 Nov 30 06:08	7°♄31'47	26°34'21
asc. node	6853 Jan 09 13:23	23°♄13'31		retrograde	6853 Dec 13 05:05	14°♄46'45	
inferior conj	6853 Jan 10 13:07	21°♄57'24	0°19'54	evening set	6853 Dec 19 15:51	12°♄11'25	
minimum elong	6853 Jan 10 12:36	21°♄59'01	0°19'45	min. Earth dist.	6853 Dec 23 18:23	7°♄59'36	0.66246 AU
morning rise	6853 Jan 16 04:24	16°♄03'44		inferior conj	6853 Dec 25 12:46	5°♄52'55	-0°38'37
direct	6853 Jan 19 13:07	14°♄58'39		minimum elong	6853 Dec 25 13:51	5°♄49'43	0°38'06
morning max el	6853 Jan 26 12:42	18°♄50'23	19°10'44	asc. node	6853 Dec 27 10:25	3°♄40'21	
	6853 Feb 04 07:58	0°♄		morning rise	6853 Dec 31 12:38	0°♄09'41	
greatest brilliancy	6853 Feb 09 00:39	6°♄57'16	-0.7m		6853 Dec 31 20:08	30°♄	
desc. node	6853 Feb 13 23:27	14°♄30'53		direct	6854 Jan 03 11:15	29°♄21'13	
morning set	6853 Feb 18 23:39	22°♄15'16			6854 Jan 06 03:43	0°♄	
	6853 Feb 23 23:20	0°♄		morning max el	6854 Jan 10 00:44	2°♄53'59	18°26'20
max. Earth dist.	6853 Mar 04 16:46	13°♄39'07	1.45000 AU		6854 Jan 28 17:35	0°♄	
				morning set	6854 Jan 30 00:46	2°♄04'21	
superior conj	6853 Mar 07 15:35	18°♄18'47	-1°59'33	desc. node	6854 Jan 31 20:28	4°♄58'23	
minimum elong	6853 Mar 07 08:30	17°♄50'44	1°59'06				
	6853 Mar 14 22:53	0°♄		superior conj	6854 Feb 14 19:54	27°♄01'34	-1°28'46
evening rise	6853 Mar 22 05:21	11°♄52'13		minimum elong	6854 Feb 14 10:27	26°♄24'30	1°27'45
	6853 Apr 02 08:22	0°♄		max. Earth dist.	6854 Feb 15 11:43	28°♄03'29	1.45441 AU
asc. node	6853 Apr 07 12:33	7°♄31'17			6854 Feb 16 17:28	0°♄	
evening max el	6853 Apr 10 20:17	11°♄24'15	18°25'56	evening rise	6854 Mar 02 17:29	21°♄59'13	
retrograde	6853 Apr 17 07:16	14°♄53'59			6854 Mar 07 19:16	0°♄	
evening set	6853 Apr 20 09:26	14°♄01'09		greatest brilliancy	6854 Mar 12 12:58	7°♄25'49	-0.8m
inferior conj	6853 Apr 26 04:58	8°♄32'01	3°25'03	asc. node	6854 Mar 25 09:37	25°♄05'18	
minimum elong	6853 Apr 26 05:45	8°♄29'43	3°24'58	evening max el	6854 Mar 25 06:16	24°♄56'53	19°01'33
min. Earth dist.	6853 Apr 28 10:48	5°♄54'49	0.64464 AU	retrograde	6854 Apr 01 02:30	28°♄47'20	
morning rise	6853 May 02 01:12	2°♄18'26		evening set	6854 Apr 04 11:54	27°♄40'33	
	6853 May 06 00:10	30°♄		inferior conj	6854 Apr 10 00:49	21°♄54'54	3°26'23

minimum elong	6854 Apr 10 00:14	21° Υ 56'43	3°26'20	min. Earth dist.	6855 Mar 26 02:45	4° Υ 13'23	0.67224 AU
min. Earth dist.	6854 Apr 11 15:05	19° Υ 53'38	0.66061 AU		6855 Mar 29 14:49	30° \Re \mathfrak{H}	
morning rise	6854 Apr 15 12:10	15° Υ 38'42		morning rise	6855 Mar 30 08:54	29° \mathfrak{H} 16'28	
direct	6854 Apr 21 21:57	12° Υ 51'02		direct	6855 Apr 05 07:00	26° \mathfrak{H} 37'50	
desc. node	6854 Apr 29 19:53	16° Υ 05'28			6855 Apr 13 01:07	0° Υ	
morning max el	6854 May 04 19:51	20° Υ 31'09	26°28'42	desc. node	6855 Apr 16 16:54	3° Υ 15'11	
	6854 May 12 23:33	0° \mathfrak{B}		morning max el	6855 Apr 17 05:21	3° Υ 46'19	25°11'05
	6854 Jun 01 20:57	0° Π			6855 May 07 06:17	0° \mathfrak{B}	
morning set	6854 Jun 09 19:56	14° Π 17'12		morning set	6855 May 23 08:06	26° \mathfrak{B} 32'43	
max. Earth dist.	6854 Jun 13 21:46	22° Π 08'23	1.34707 AU		6855 May 25 05:52	0° Π	
	6854 Jun 17 19:39	0° \mathfrak{E}		max. Earth dist.	6855 May 26 23:45	3° Π 13'27	1.36564 AU
superior conj	6854 Jun 18 16:55	1° \mathfrak{E} 49'08	-0°26'51	superior conj	6855 Jun 02 05:46	15° Π 14'07	-0°57'47
minimum elong	6854 Jun 18 18:25	1° \mathfrak{E} 56'52	0°26'36	minimum elong	6855 Jun 02 09:09	15° Π 30'51	0°57'14
asc. node	6854 Jun 21 08:49	7° \mathfrak{E} 20'43		asc. node	6855 Jun 08 05:51	27° Π 18'28	
evening rise	6854 Jun 26 07:22	17° \mathfrak{E} 40'32			6855 Jun 09 13:41	0° \mathfrak{E}	
	6854 Jul 02 11:52	0° Ω		evening rise	6855 Jun 10 11:59	1° \mathfrak{E} 52'45	
evening max el	6854 Jul 15 07:17	18° Ω 43'45	20°53'00	evening max el	6855 Jun 27 17:54	0° Ω 01'35	19°40'47
retrograde	6854 Jul 26 21:19	24° Ω 27'01			6855 Jun 27 17:16	0° Ω	
desc. node	6854 Jul 26 19:08	24° Ω 26'59		retrograde	6855 Jul 07 14:57	4° Ω 52'56	
evening set	6854 Jul 29 01:12	24° Ω 15'51		evening set	6855 Jul 09 11:54	4° Ω 43'13	
inferior conj	6854 Aug 07 08:01	20° Ω 18'45	-3°21'08	desc. node	6855 Jul 13 16:10	3° Ω 19'30	
minimum elong	6854 Aug 06 23:20	20° Ω 31'03	3°18'22	inferior conj	6855 Jul 18 07:57	0° Ω 39'57	-1°24'42
min. Earth dist.	6854 Aug 08 01:48	19° Ω 53'32	0.54753 AU	minimum elong	6855 Jul 18 04:04	0° Ω 46'02	1°23'16
morning rise	6854 Aug 15 21:34	16° Ω 20'10			6855 Jul 19 09:25	30° \Re \mathfrak{E}	
direct	6854 Aug 19 17:08	15° Ω 49'00		min. Earth dist.	6855 Jul 20 14:09	29° \mathfrak{E} 15'24	0.55442 AU
morning max el	6854 Sep 01 17:13	22° Ω 02'07	22°57'02	morning rise	6855 Jul 26 17:59	26° \mathfrak{E} 11'55	
	6854 Sep 08 15:16	0° \mathfrak{M}		direct	6855 Jul 31 08:12	25° \mathfrak{E} 25'08	
asc. node	6854 Sep 17 08:08	14° \mathfrak{M} 01'02			6855 Aug 11 13:22	0° Ω	
morning set	6854 Sep 24 11:10	28° \mathfrak{M} 13'47		morning max el	6855 Aug 14 06:31	2° Ω 21'18	24°41'49
	6854 Sep 25 07:14	0° \mathfrak{L}			6855 Sep 02 11:35	0° \mathfrak{M}	
superior conj	6854 Oct 01 11:46	13° \mathfrak{L} 17'36	1°41'13	asc. node	6855 Sep 04 05:10	3° \mathfrak{M} 20'52	
minimum elong	6854 Oct 01 11:03	13° \mathfrak{L} 13'48	1°41'14	morning set	6855 Sep 08 22:54	13° \mathfrak{M} 04'30	
max. Earth dist.	6854 Oct 04 11:39	19° \mathfrak{L} 38'02	1.33752 AU	superior conj	6855 Sep 15 20:36	28° \mathfrak{M} 05'11	1°34'34
evening rise	6854 Oct 09 06:41	29° \mathfrak{L} 23'02		minimum elong	6855 Sep 15 18:57	27° \mathfrak{M} 56'11	1°34'26
	6854 Oct 09 14:11	0° \mathfrak{M}			6855 Sep 16 17:40	0° \mathfrak{L}	
desc. node	6854 Oct 22 18:14	23° \mathfrak{M} 29'57		max. Earth dist.	6855 Sep 17 14:17	1° \mathfrak{L} 51'55	1.32651 AU
	6854 Oct 26 22:49	0° \mathfrak{J}		evening rise	6855 Sep 23 02:46	13° \mathfrak{L} 31'07	
evening max el	6854 Nov 12 18:56	21° \mathfrak{J} 02'44	27°14'48		6855 Oct 01 17:18	0° \mathfrak{M}	
retrograde	6854 Nov 26 05:13	28° \mathfrak{J} 21'34		desc. node	6855 Oct 09 15:17	13° \mathfrak{M} 08'50	
evening set	6854 Dec 03 02:20	25° \mathfrak{J} 43'42			6855 Oct 22 05:38	0° \mathfrak{J}	
min. Earth dist.	6854 Dec 06 23:01	22° \mathfrak{J} 06'23	0.64858 AU	evening max el	6855 Oct 26 05:43	4° \mathfrak{J} 08'36	27°28'09
inferior conj	6854 Dec 09 05:15	19° \mathfrak{J} 38'05	-1°42'23	retrograde	6855 Nov 08 22:53	11° \mathfrak{J} 25'34	
minimum elong	6854 Dec 09 08:18	19° \mathfrak{J} 29'43	1°41'05	evening set	6855 Nov 16 01:50	8° \mathfrak{J} 54'03	
asc. node	6854 Dec 14 07:27	14° \mathfrak{J} 52'57		min. Earth dist.	6855 Nov 19 18:14	5° \mathfrak{J} 47'45	0.63143 AU
morning rise	6854 Dec 15 15:34	14° \mathfrak{J} 08'17		inferior conj	6855 Nov 22 11:49	3° \mathfrak{J} 06'29	-2°49'09
direct	6854 Dec 18 06:06	13° \mathfrak{J} 32'41		minimum elong	6855 Nov 22 16:59	2° \mathfrak{J} 53'47	2°47'12
morning max el	6854 Dec 24 16:50	16° \mathfrak{J} 57'03	17°58'46		6855 Nov 25 21:20	30° \Re \mathfrak{M}	
	6855 Jan 03 05:07	0° \mathfrak{Z}		morning rise	6855 Nov 29 09:56	27° \mathfrak{M} 53'17	
morning set	6855 Jan 11 07:30	13° \mathfrak{Z} 21'29		asc. node	6855 Dec 01 04:29	27° \mathfrak{M} 28'31	
desc. node	6855 Jan 18 17:29	25° \mathfrak{Z} 35'49		direct	6855 Dec 01 18:45	27° \mathfrak{M} 26'50	
	6855 Jan 21 10:35	0° \approx			6855 Dec 07 11:34	0° \mathfrak{J}	
superior conj	6855 Jan 25 06:28	6° \approx 08'33	-0°45'18	morning max el	6855 Dec 08 09:59	0° \mathfrak{J} 52'01	17°48'36
minimum elong	6855 Jan 25 01:04	5° \approx 47'02	0°44'31	morning set	6855 Dec 24 15:18	25° \mathfrak{J} 50'48	
max. Earth dist.	6855 Jan 29 07:34	12° \approx 33'10	1.45126 AU		6855 Dec 27 00:26	0° \mathfrak{Z}	
	6855 Feb 09 12:33	0° \mathfrak{H}		superior conj	6856 Jan 05 14:53	16° \mathfrak{Z} 20'59	-0°00'08
evening rise	6855 Feb 10 10:49	1° \mathfrak{H} 25'45		minimum elong	6856 Jan 05 14:52	16° \mathfrak{Z} 20'55	0°00'03
greatest brilliancy	6855 Feb 24 15:59	23° \mathfrak{H} 00'05	-0.6m	behind sun begin	6856 Jan 05 05:50	15° \mathfrak{Z} 43'26	
	6855 Mar 01 13:15	0° Υ		behind sun end	6856 Jan 05 23:54	16° \mathfrak{Z} 58'19	
evening max el	6855 Mar 08 11:38	8° Υ 32'16	19°53'21	desc. node	6856 Jan 05 14:29	16° \mathfrak{Z} 19'18	
asc. node	6855 Mar 12 06:39	11° Υ 41'40		max. Earth dist.	6856 Jan 12 00:59	26° \mathfrak{Z} 48'50	1.44107 AU
retrograde	6855 Mar 16 00:30	12° Υ 53'56			6856 Jan 14 00:56	0° \approx	
evening set	6855 Mar 19 18:00	11° Υ 32'43		evening rise	6856 Jan 20 21:32	10° \approx 43'14	
inferior conj	6855 Mar 25 03:09	5° Υ 32'30	3°14'23		6856 Feb 02 16:56	0° \mathfrak{H}	
minimum elong	6855 Mar 25 01:34	5° Υ 37'49	3°14'09	evening max el	6856 Feb 19 11:28	22° \mathfrak{H} 08'33	20°58'50

asc. node	6856 Feb 27 03:41	27° K 05'17	evening set	6857 Feb 15 09:28	9° K 36'45
retrograde	6856 Feb 27 22:54	27° K 08'39	inferior conj	6857 Feb 20 17:39	3° K 15'37 2°19'18
evening set	6856 Mar 03 01:44	25° K 32'33	minimum elong	6857 Feb 20 15:20	3° K 23'41 2°18'38
inferior conj	6856 Mar 08 09:28	19° K 20'19 2°51'29	min. Earth dist.	6857 Feb 20 15:47	3° K 22'08 0.68269 AU
minimum elong	6856 Mar 08 07:17	19° K 27'50 2°51'00		6857 Feb 23 03:49	30° R \approx
min. Earth dist.	6856 Mar 08 19:45	18° K 44'46 0.67954 AU	morning rise	6857 Feb 25 21:03	27° \approx 05'12
morning rise	6856 Mar 13 12:38	13° K 06'18	direct	6857 Mar 02 15:13	25° \approx 04'37
direct	6856 Mar 18 21:03	10° K 44'27		6857 Mar 11 10:28	0° K
morning max el	6856 Mar 29 14:18	17° K 08'07 23°42'52	morning max el	6857 Mar 12 01:28	0° K 36'57 22°14'02
desc. node	6856 Apr 02 13:53	21° K 30'26	desc. node	6857 Mar 20 10:52	10° K 33'11
	6856 Apr 09 06:43	0° Y		6857 Apr 03 02:59	0° Y
	6856 Apr 29 07:21	0° B	morning set	6857 Apr 14 09:50	17° Y 37'34
morning set	6856 May 03 22:29	7° B 43'40	max. Earth dist.	6857 Apr 19 16:41	26° Y 21'18 1.40939 AU
max. Earth dist.	6856 May 07 19:27	14° B 26'32 1.38721 AU		6857 Apr 21 20:16	0° B
superior conj	6856 May 15 05:28	27° B 58'02 -1°27'36	superior conj	6857 Apr 27 11:40	9° B 51'16 -1°52'47
minimum elong	6856 May 15 10:29	28° B 21'37 1°26'58	minimum elong	6857 Apr 27 17:00	10° B 15'03 1°52'22
	6856 May 16 07:17	0° II	evening rise	6857 May 07 19:56	28° B 52'10
evening rise	6856 May 24 09:17	15° II 39'18		6857 May 08 10:27	0° II
asc. node	6856 May 25 02:52	17° II 04'51	asc. node	6857 May 11 23:53	6° II 35'23
	6856 Jun 01 01:15	0° E	evening max el	6857 May 23 23:19	24° II 38'31 18°17'39
evening max el	6856 Jun 09 16:22	12° E 02'11 18°49'02	retrograde	6857 May 31 04:08	28° II 14'38
retrograde	6856 Jun 18 00:03	16° E 08'23	evening set	6857 Jun 02 12:24	27° II 52'35
evening set	6856 Jun 20 01:01	15° E 54'31	inferior conj	6857 Jun 09 17:56	23° II 12'41 1°50'55
inferior conj	6856 Jun 28 02:07	11° E 35'01 0°26'00	minimum elong	6857 Jun 09 21:04	23° II 06'02 1°49'54
minimum elong	6856 Jun 28 03:07	11° E 33'11 0°25'33	min. Earth dist.	6857 Jun 13 03:59	20° II 19'56 0.59012 AU
desc. node	6856 Jun 29 13:12	10° E 31'03	desc. node	6857 Jun 16 10:13	18° II 00'02
min. Earth dist.	6856 Jul 01 06:25	9° E 17'30 0.56960 AU	morning rise	6857 Jun 17 02:39	17° II 36'09
morning rise	6856 Jul 06 01:47	6° E 30'04	direct	6857 Jun 23 08:34	15° II 50'34
direct	6856 Jul 11 13:26	5° E 17'02	morning max el	6857 Jul 07 17:41	23° II 38'31 27°21'55
morning max el	6856 Jul 25 21:18	12° E 45'13 26°15'09		6857 Jul 13 11:01	0° E
	6856 Aug 08 09:40	0° O		6857 Aug 01 12:53	0° O
asc. node	6856 Aug 21 02:10	23° O 00'34	morning set	6857 Aug 07 17:53	12° O 26'21
morning set	6856 Aug 23 09:41	27° O 50'21	asc. node	6857 Aug 07 23:10	12° O 54'08
	6856 Aug 24 09:59	0° P	superior conj	6857 Aug 14 19:38	27° O 48'09 1°05'34
superior conj	6856 Aug 30 07:51	12° P 57'26 1°22'30	minimum elong	6857 Aug 14 17:24	27° O 35'45 1°05'09
minimum elong	6856 Aug 30 05:40	12° P 45'25 1°22'12	max. Earth dist.	6857 Aug 14 09:14	26° O 50'33 1.31775 AU
max. Earth dist.	6856 Aug 30 22:33	14° P 18'38 1.31992 AU		6857 Aug 15 19:26	0° P
evening rise	6856 Sep 06 06:09	27° P 58'42	evening rise	6857 Aug 21 14:23	12° P 38'20
	6856 Sep 07 05:28	0° A		6857 Aug 30 08:23	0° A
	6856 Sep 24 00:41	0° M	desc. node	6857 Sep 12 09:23	20° A 20'04
desc. node	6856 Sep 25 12:20	2° M 10'37	evening max el	6857 Sep 19 12:08	28° A 19'14 26°17'02
evening max el	6856 Oct 07 12:16	16° M 37'32 27°09'25		6857 Sep 21 09:07	0° M
retrograde	6856 Oct 21 09:20	23° M 49'30	retrograde	6857 Oct 03 10:41	5° M 25'22
evening set	6856 Oct 28 10:41	21° M 35'46	evening set	6857 Oct 10 00:03	3° M 40'43
min. Earth dist.	6856 Nov 01 02:59	18° M 52'13 0.61173 AU	min. Earth dist.	6857 Oct 14 01:24	1° M 06'05 0.59097 AU
inferior conj	6856 Nov 04 05:23	16° M 10'36 -3°54'34		6857 Oct 15 12:48	30° R $\underline{\text{A}}$
minimum elong	6856 Nov 04 12:03	15° M 56'03 3°52'32	inferior conj	6857 Oct 17 06:22	28° A 40'32 -4°50'42
morning rise	6856 Nov 11 15:36	11° M 17'02	minimum elong	6857 Oct 17 12:41	28° A 28'33 4°49'27
direct	6856 Nov 13 21:45	10° M 56'12	morning rise	6857 Oct 25 03:31	24° A 09'07
asc. node	6856 Nov 17 01:30	11° M 38'40	direct	6857 Oct 27 10:56	23° A 50'47
morning max el	6856 Nov 21 00:57	14° M 30'50 17°56'48	asc. node	6857 Nov 03 22:31	27° A 16'01
	6856 Dec 01 15:37	0° X	morning max el	6857 Nov 04 10:14	27° A 43'29 18°24'52
morning set	6856 Dec 06 17:45	9° X 13'09	morning set	6857 Nov 06 12:43	0° M
				6857 Nov 20 09:14	23° M 11'42
superior conj	6856 Dec 17 01:21	27° X 48'42 0°38'48		6857 Nov 23 22:25	0° X
minimum elong	6856 Dec 17 04:23	28° X 01'58 0°38'25	superior conj	6857 Nov 29 10:37	10° X 21'33 1°08'16
	6856 Dec 18 07:33	0° Z	minimum elong	6857 Nov 29 14:14	10° X 38'13 1°07'52
desc. node	6856 Dec 22 11:29	7° Z 05'31	max. Earth dist.	6857 Dec 06 22:32	23° X 43'44 1.40523 AU
max. Earth dist.	6856 Dec 24 14:02	10° Z 35'45 1.42509 AU	desc. node	6857 Dec 09 08:30	27° X 50'34
evening rise	6856 Dec 30 17:18	20° Z 30'29		6857 Dec 10 15:26	0° Z
	6857 Jan 05 20:05	0° \approx	evening rise	6857 Dec 11 08:37	1° Z 11'19
	6857 Jan 27 03:23	0° K		6857 Dec 30 05:39	0° \approx
evening max el	6857 Feb 01 06:14	5° K 47'13 22°14'06	evening max el	6858 Jan 14 21:19	19° \approx 28'49 23°33'59
retrograde	6857 Feb 10 19:50	11° K 28'00	retrograde	6858 Jan 25 13:50	25° \approx 47'21
asc. node	6857 Feb 13 00:42	11° K 02'52			

evening set	6858 Jan 30 15:38	23°  41'02		evening set	6859 Jan 14 18:41	7°  42'12	
asc. node	6858 Jan 30 21:45	23°  27'45		asc. node	6859 Jan 17 18:49	4°  32'57	
min. Earth dist.	6858 Feb 04 12:30	18°  00'19	0.68184 AU	min. Earth dist.	6859 Jan 19 07:39	2°  35'49	0.67719 AU
inferior conj	6858 Feb 05 01:50	17°  14'41	1°38'49	inferior conj	6859 Jan 20 08:12	1°  14'52	0°50'45
minimum elong	6858 Feb 04 23:50	17°  21'31	1°38'09	minimum elong	6859 Jan 20 07:01	1°  18'48	0°50'20
morning rise	6858 Feb 10 08:00	11°  09'29			6859 Jan 21 07:06	30°  R 	
direct	6858 Feb 14 12:17	9°  31'37		morning rise	6859 Jan 25 19:32	25°  Z  16'37	
morning max el	6858 Feb 22 18:32	14°  16'12	20°52'35	direct	6859 Jan 29 10:57	24°  Z  00'24	
desc. node	6858 Mar 07 07:51	0°  X  09'51		morning max el	6859 Feb 05 19:35	28°  Z  07'42	19°43'38
	6858 Mar 07 05:05	0°  X			6859 Feb 07 13:55	0° 	
morning set	6858 Mar 24 18:35	26°  X  18'57		greatest brilliancy	6859 Feb 18 16:12	14°  Z  56'20	-0.6m
	6858 Mar 27 02:54	0°  Y		desc. node	6859 Feb 22 04:51	20°  Z  11'14	
max. Earth dist.	6858 Apr 01 21:02	9°  Y  12'58	1.42923 AU		6859 Feb 28 15:57	0°  X	
				morning set	6859 Mar 03 15:20	4°  X  34'08	
superior conj	6858 Apr 08 19:34	20°  Y  42'52	-2°08'23	max. Earth dist.	6859 Mar 15 08:49	22°  X  53'35	1.44422 AU
minimum elong	6858 Apr 08 22:21	20°  Y  54'35	2°08'20		6859 Mar 19 19:25	0°  Y	
	6858 Apr 14 05:23	0°  X					
evening rise	6858 Apr 20 15:46	11°  X  21'41		superior conj	6859 Mar 20 02:15	0°  Y  27'35	-2°08'27
asc. node	6858 Apr 28 20:56	25°  X  44'17		minimum elong	6859 Mar 19 22:57	0°  Y  14'15	2°08'21
	6858 May 01 12:35	0°  II		evening rise	6859 Apr 02 16:11	22°  Y  58'19	
evening max el	6858 May 07 11:04	7°  II  40'55	18°06'00		6859 Apr 06 19:42	0°  X	
retrograde	6858 May 14 00:52	11°  II  03'19		asc. node	6859 Apr 15 17:59	14°  X  23'59	
evening set	6858 May 16 16:20	10°  II  30'27		evening max el	6859 Apr 21 00:12	21°  X  00'01	18°13'20
inferior conj	6858 May 23 05:28	5°  II  30'06	2°46'30	retrograde	6859 Apr 27 09:39	24°  X  23'35	
minimum elong	6858 May 23 08:23	5°  II  22'56	2°45'49	evening set	6859 Apr 30 07:50	23°  X  38'21	
min. Earth dist.	6858 May 26 08:57	2°  II  26'14	0.61242 AU	inferior conj	6859 May 06 08:40	18°  X  19'05	3°16'53
	6858 May 29 06:26	30°  R  X 		minimum elong	6859 May 06 10:18	18°  X  14'32	3°16'39
morning rise	6858 May 29 22:18	29°  X  32'04		min. Earth dist.	6859 May 08 23:07	15°  X  26'57	0.63363 AU
desc. node	6858 Jun 03 07:14	27°  X  31'58		morning rise	6859 May 12 11:31	12°  X  08'56	
direct	6858 Jun 05 15:00	27°  X  15'49		direct	6859 May 19 06:41	9°  X  30'36	
	6858 Jun 13 13:18	0°  II		desc. node	6859 May 21 04:15	9°  X  41'50	
morning max el	6858 Jun 19 20:44	5°  II  14'34	27°52'49	morning max el	6859 Jun 02 04:47	17°  X  32'01	27°45'44
	6858 Jul 08 09:07	0°  X			6859 Jun 12 14:07	0°  II	
morning set	6858 Jul 22 21:41	26°  X  47'08			6859 Jul 01 04:49	0°  X	
	6858 Jul 24 10:48	0°  O		morning set	6859 Jul 06 18:45	10°  X  45'05	
asc. node	6858 Jul 25 20:12	2°  O  56'36		max. Earth dist.	6859 Jul 11 22:27	21°  X  23'01	1.32675 AU
max. Earth dist.	6858 Jul 28 18:34	9°  O  16'26	1.31998 AU	asc. node	6859 Jul 12 17:14	23°  X  20'47	
superior conj	6858 Jul 30 06:14	12°  O  31'51	0°44'14	superior conj	6859 Jul 14 13:45	27°  X  20'42	0°18'59
minimum elong	6858 Jul 30 04:25	12°  O  21'50	0°43'49	minimum elong	6859 Jul 14 12:50	26°  X  26'50	0°18'44
evening rise	6858 Aug 06 01:23	27°  O  23'28			6859 Jul 15 22:41	0°  O	
	6858 Aug 07 06:53	0°  O  O		evening rise	6859 Jul 21 13:08	12°  O  06'53	
	6858 Aug 24 07:20	0°  X			6859 Jul 30 14:19	0°  O  O	
desc. node	6858 Aug 30 06:26	7°  X  16'31		evening max el	6859 Aug 13 15:55	19°  O  31'58	23°19'06
evening max el	6858 Sep 01 04:13	9°  X  12'13	24°56'00	desc. node	6859 Aug 17 03:29	22°  O  30'57	
retrograde	6858 Sep 15 01:08	16°  X  12'00		retrograde	6859 Aug 27 03:33	26°  O  17'12	
evening set	6858 Sep 20 13:34	15°  X  03'18		evening set	6859 Aug 31 04:14	25°  O  41'39	
min. Earth dist.	6858 Sep 25 15:31	12°  X  19'29	0.57138 AU	min. Earth dist.	6859 Sep 07 01:14	22°  O  30'51	0.55593 AU
inferior conj	6858 Sep 28 11:50	10°  X  27'17	-5°24'15	inferior conj	6859 Sep 08 21:19	21°  O  26'11	-5°17'34
minimum elong	6858 Sep 28 14:15	10°  X  23'18	5°24'06	minimum elong	6859 Sep 08 16:48	21°  O  32'51	5°17'07
morning rise	6858 Oct 06 17:11	6°  X  18'39		morning rise	6859 Sep 17 07:39	17°  O  34'28	
direct	6858 Oct 09 06:17	6°  X  00'10		direct	6859 Sep 20 06:01	17°  O  13'44	
morning max el	6858 Oct 18 10:24	10°  X  20'36	19°14'24	morning max el	6859 Sep 30 22:38	22°  O  12'54	20°26'13
asc. node	6858 Oct 21 19:34	14°  X  06'32			6859 Oct 07 10:12	0°  X	
	6858 Oct 31 12:36	0°  O  O		asc. node	6859 Oct 08 16:36	1°  X  54'13	
morning set	6858 Nov 04 09:40	7°  O  35'03		morning set	6859 Oct 19 15:59	22°  X  13'50	
					6859 Oct 23 10:18	0°  O  O	
superior conj	6858 Nov 12 13:31	23°  O  45'33	1°28'00	superior conj	6859 Oct 27 05:12	7°  O  46'16	1°38'59
minimum elong	6858 Nov 12 16:17	23°  O  58'58	1°27'49	minimum elong	6859 Oct 27 06:35	7°  O  53'17	1°38'58
	6858 Nov 15 19:53	0°  X  7		max. Earth dist.	6859 Nov 01 11:08	18°  O  09'22	1.36335 AU
max. Earth dist.	6858 Nov 19 04:10	6°  X  11'04	1.38384 AU	evening rise	6859 Nov 05 08:18	25°  O  12'27	
evening rise	6858 Nov 22 22:22	12°  X  52'13			6859 Nov 07 20:37	0°  X	
desc. node	6858 Nov 26 05:32	18°  X  30'58		desc. node	6859 Nov 13 02:36	9°  X  02'13	
	6858 Dec 03 07:52	0°  Z			6859 Nov 26 20:38	0°  Z	
	6858 Dec 25 08:43	0° 		evening max el	6859 Dec 10 23:16	16°  Z  58'33	26°01'22
evening max el	6858 Dec 28 10:29	3°  Z					

evening set	6859 Dec 29 16:59	21° ♄ 36'31		6860 Oct 14 00:07	0° ♄	
min. Earth dist.	6860 Jan 02 23:01	17° ♄ 04'52	0.66882 AU	evening rise	6860 Oct 18 10:33	8° ♄ 47'15
inferior conj	6860 Jan 04 10:54	15° ♄ 13'05	-0°04'12	desc. node	6860 Oct 29 23:39	29° ♄ 18'59
minimum elong	6860 Jan 04 11:00	15° ♄ 12'44	0°04'06		6860 Oct 30 09:43	0° ♄
transit middle	6860 Jan 04 11:00	15° ♄ 12'44	0°04'06		6860 Nov 21 20:45	0° ♄
transit begin	6860 Jan 04 08:15	15° ♄ 21'20		evening max el	6860 Nov 22 12:15	0° ♄ 37'44 26°54'30
transit end	6860 Jan 04 13:45	15° ♄ 04'09		retrograde	6860 Dec 05 17:01	7° ♄ 56'12
asc. node	6860 Jan 04 15:52	14° ♄ 57'33		evening set	6860 Dec 12 08:27	5° ♄ 18'47
morning rise	6860 Jan 10 05:37	9° ♄ 23'50		min. Earth dist.	6860 Dec 16 08:20	1° ♄ 21'47 0.65690 AU
direct	6860 Jan 13 09:44	8° ♄ 26'25			6860 Dec 17 12:46	30° ♄
morning max el	6860 Jan 20 04:12	12° ♄ 08'44	18°49'52	inferior conj	6860 Dec 18 07:47	29° ♄ 04'48 -1°05'11
	6860 Feb 02 07:32	0° ♄		minimum elong	6860 Dec 18 09:39	28° ♄ 59'23 1°04'19
desc. node	6860 Feb 09 01:51	10° ♄ 30'45		asc. node	6860 Dec 21 12:55	25° ♄ 37'26
morning set	6860 Feb 11 00:53	13° ♄ 34'43		morning rise	6860 Dec 24 11:54	23° ♄ 26'56
	6860 Feb 21 12:49	0° ♄		direct	6860 Dec 27 06:40	22° ♄ 44'35
max. Earth dist.	6860 Feb 26 01:37	7° ♄ 06'00	1.45269 AU	morning max el	6861 Jan 02 18:18	26° ♄ 12'59 18°12'29
					6861 Jan 06 01:08	0° ♄
superior conj	6860 Feb 27 12:08	9° ♄ 21'28	-1°48'40	morning set	6861 Jan 21 14:39	24° ♄ 01'27
minimum elong	6860 Feb 27 03:10	8° ♄ 46'15	1°47'56		6861 Jan 25 07:17	0° ♄
	6860 Mar 11 11:51	0° ♄		desc. node	6861 Jan 25 22:52	1° ♄ 02'48
evening rise	6860 Mar 13 17:42	3° ♄ 37'02				
	6860 Mar 30 16:56	0° ♄		superior conj	6861 Feb 05 16:37	18° ♄ 07'59 -1°11'14
asc. node	6860 Apr 01 15:03	2° ♄ 25'30		minimum elong	6861 Feb 05 08:19	17° ♄ 35'21 1°10'11
evening max el	6860 Apr 03 11:58	4° ♄ 29'20	18°39'00	max. Earth dist.	6861 Feb 07 20:42	21° ♄ 32'28 1.45390 AU
retrograde	6860 Apr 10 02:06	8° ♄ 06'54			6861 Feb 13 06:33	0° ♄
evening set	6860 Apr 13 07:10	7° ♄ 08'21		evening rise	6861 Feb 21 20:41	13° ♄ 23'06
inferior conj	6860 Apr 18 23:29	1° ♄ 31'57	3°27'28		6861 Mar 04 13:57	0° ♄
minimum elong	6860 Apr 18 23:39	1° ♄ 31'25	3°27'25	greatest brilliancy	6861 Mar 05 18:58	1° ♄ 50'22 -0.7m
	6860 Apr 20 05:36	30° ♄		evening max el	6861 Mar 17 20:08	18° ♄ 03'12 19°21'49
min. Earth dist.	6860 Apr 20 22:40	29° ♄ 08'40	0.65183 AU	asc. node	6861 Mar 19 12:07	19° ♄ 36'38
morning rise	6860 Apr 24 15:30	25° ♄ 16'29		retrograde	6861 Mar 24 22:45	22° ♄ 05'59
direct	6860 May 01 06:13	22° ♄ 28'25		evening set	6861 Mar 28 11:23	20° ♄ 53'18
desc. node	6860 May 07 01:15	24° ♄ 13'23		inferior conj	6861 Apr 02 22:24	15° ♄ 01'25 3°22'44
	6860 May 14 06:36	0° ♄		minimum elong	6861 Apr 02 21:21	15° ♄ 04'51 3°22'37
morning max el	6860 May 14 15:03	0° ♄ 21'13	27°04'42	min. Earth dist.	6861 Apr 04 06:23	13° ♄ 17'18 0.66607 AU
	6860 Jun 05 13:58	0° ♄		morning rise	6861 Apr 08 06:58	8° ♄ 44'55
morning set	6860 Jun 19 06:13	24° ♄ 12'17		direct	6861 Apr 14 12:12	5° ♄ 59'34
	6860 Jun 22 05:05	0° ♄		desc. node	6861 Apr 23 22:15	10° ♄ 33'35
max. Earth dist.	6860 Jun 23 17:05	3° ♄ 01'15	1.33826 AU	morning max el	6861 Apr 27 00:54	13° ♄ 28'38 25°57'35
					6861 May 10 09:54	0° ♄
superior conj	6860 Jun 27 16:06	11° ♄ 12'14	-0°09'27		6861 May 29 07:45	0° ♄
minimum elong	6860 Jun 27 16:36	11° ♄ 14'53	0°09'24	morning set	6861 Jun 02 04:12	6° ♄ 57'21
behind sun begin	6860 Jun 27 12:01	10° ♄ 50'47		max. Earth dist.	6861 Jun 06 00:19	14° ♄ 11'25 1.35444 AU
behind sun end	6860 Jun 27 21:12	11° ♄ 39'00				
asc. node	6860 Jun 28 14:16	13° ♄ 08'59		superior conj	6861 Jun 11 10:44	24° ♄ 56'00 -0°39'56
evening rise	6860 Jul 04 23:48	26° ♄ 43'06		minimum elong	6861 Jun 11 13:01	25° ♄ 07'36 0°39'33
	6860 Jul 06 13:35	0° ♄			6861 Jun 13 22:17	0° ♄
	6860 Jul 25 10:30	0° ♄		asc. node	6861 Jun 15 11:19	3° ♄ 10'53
evening max el	6860 Jul 25 07:49	29° ♄ 53'28	21°42'50	evening rise	6861 Jun 19 07:14	11° ♄ 05'37
desc. node	6860 Aug 03 00:31	5° ♄ 30'36			6861 Jun 29 07:17	0° ♄
retrograde	6860 Aug 06 19:12	6° ♄ 04'31		evening max el	6861 Jul 07 11:02	10° ♄ 47'06 20°19'57
evening set	6860 Aug 09 10:34	5° ♄ 48'46		retrograde	6861 Jul 18 07:51	16° ♄ 07'47
inferior conj	6860 Aug 18 16:41	1° ♄ 48'21	-4°17'36	evening set	6861 Jul 20 06:49	15° ♄ 58'09
minimum elong	6860 Aug 18 07:32	2° ♄ 01'10	4°15'18	desc. node	6861 Jul 20 21:31	15° ♄ 51'19
min. Earth dist.	6860 Aug 18 10:35	1° ♄ 56'53	0.54792 AU	inferior conj	6861 Jul 29 10:43	12° ♄ 00'35 -2°33'06
	6860 Aug 22 00:36	30° ♄		minimum elong	6861 Jul 29 03:42	12° ♄ 10'51 2°30'38
morning rise	6860 Aug 27 05:44	27° ♄ 57'45		min. Earth dist.	6861 Jul 30 21:32	11° ♄ 09'41 0.54932 AU
direct	6860 Aug 30 16:19	27° ♄ 31'52		morning rise	6861 Aug 06 23:31	7° ♄ 51'07
	6860 Sep 07 16:12	0° ♄		direct	6861 Aug 11 02:39	7° ♄ 14'15
morning max el	6860 Sep 11 22:34	3° ♄ 18'17	21°57'57	morning max el	6861 Aug 24 13:42	13° ♄ 47'17 23°41'48
asc. node	6860 Sep 24 13:37	20° ♄ 25'57			6861 Sep 06 01:47	0° ♄
	6860 Sep 29 15:35	0° ♄		asc. node	6861 Sep 11 10:38	9° ♄ 31'09
morning set	6860 Oct 03 01:50	7° ♄ 01'31		morning set	6861 Sep 17 13:22	21° ♄ 52'59
					6861 Sep 21 07:55	0° ♄
superior conj	6860 Oct 10 05:48	22° ♄ 12'15	1°42'20			
minimum elong	6860 Oct 10 05:47	22° ♄ 12'11	1°42'22	superior conj	6861 Sep 24 12:20	6° ♄ 54'34 1°39'06
max. Earth dist.	6860 Oct 14 00:32	0° ♄ 02'03	1.34582 AU	minimum elong	6861 Sep 24 11:11	6° ♄ 48'19 1°39'03

max. Earth dist.	6861 Sep 26 22:41	12°♄07'31	1.33233 AU		6862 Sep 12 17:17	0°♄	
evening rise	6861 Oct 02 01:10	22°♄41'16		evening rise	6862 Sep 16 00:42	6°♄59'05	
	6861 Oct 05 19:03	0°♄			6862 Sep 28 07:00	0°♄	
desc. node	6861 Oct 16 20:41	19°♄14'39		desc. node	6862 Oct 03 17:42	8°♄39'36	
	6861 Oct 24 03:09	0°♄		evening max el	6862 Oct 18 10:11	26°♄53'41	27°24'18
evening max el	6861 Nov 05 00:40	14°♄00'58	27°24'13		6862 Oct 22 01:39	0°♄	
retrograde	6861 Nov 18 14:35	21°♄19'26		retrograde	6862 Nov 01 05:00	4°♄07'41	
evening set	6861 Nov 25 14:41	18°♄43'25		evening set	6862 Nov 08 08:25	1°♄42'31	
min. Earth dist.	6861 Nov 29 09:22	15°♄19'35	0.64162 AU		6862 Nov 10 14:43	30°♄♄	
inferior conj	6861 Dec 01 20:27	12°♄44'41	-2°10'33	min. Earth dist.	6862 Nov 12 00:12	28°♄47'09	0.62337 AU
minimum elong	6861 Dec 02 00:24	12°♄34'17	2°08'55	inferior conj	6862 Nov 14 21:55	26°♄04'19	-3°17'24
morning rise	6861 Dec 08 11:38	7°♄21'14		minimum elong	6862 Nov 15 03:50	25°♄50'25	3°15'19
asc. node	6861 Dec 08 09:55	7°♄23'02		morning rise	6862 Nov 22 01:11	20°♄58'49	
direct	6861 Dec 10 23:23	6°♄49'58		direct	6862 Nov 24 08:35	20°♄35'01	
morning max el	6861 Dec 17 11:11	10°♄13'52	17°52'12	asc. node	6862 Nov 25 06:57	20°♄39'00	
	6861 Dec 30 21:50	0°♄		morning max el	6862 Dec 01 03:46	24°♄02'59	17°49'44
morning set	6862 Jan 03 08:55	5°♄52'37			6862 Dec 05 22:42	0°♄	
desc. node	6862 Jan 12 19:54	21°♄43'38		morning set	6862 Dec 17 01:27	18°♄47'15	
					6862 Dec 23 09:29	0°♄	
superior conj	6862 Jan 16 11:14	27°♄39'50	-0°25'45	superior conj	6862 Dec 28 06:48	8°♄24'38	0°17'28
minimum elong	6862 Jan 16 08:17	27°♄27'52	0°25'16	minimum elong	6862 Dec 28 08:26	8°♄31'33	0°17'16
	6862 Jan 17 21:59	0°♄		desc. node	6862 Dec 30 16:55	12°♄28'53	
max. Earth dist.	6862 Jan 21 15:47	5°♄58'20	1.44779 AU	max. Earth dist.	6863 Jan 04 08:07	20°♄05'51	1.43498 AU
evening rise	6862 Feb 01 09:22	22°♄41'31			6863 Jan 10 13:24	0°♄	
	6862 Feb 06 04:14	0°♄		evening rise	6863 Jan 11 22:14	2°♄08'01	
	6862 Feb 27 10:18	0°♄			6863 Jan 30 16:56	0°♄	
evening max el	6862 Feb 28 23:16	1°♄39'27	20°19'46	evening max el	6863 Feb 11 20:54	15°♄17'00	21°29'54
asc. node	6862 Mar 06 09:07	5°♄43'55		retrograde	6863 Feb 20 18:56	20°♄33'57	
retrograde	6862 Mar 08 21:00	6°♄16'20		asc. node	6863 Feb 21 06:08	20°♄32'48	
evening set	6862 Mar 12 18:22	4°♄48'51		evening set	6863 Feb 25 02:19	18°♄51'12	
	6862 Mar 17 04:00	30°♄♄		inferior conj	6863 Mar 02 10:01	12°♄34'48	2°38'52
inferior conj	6862 Mar 18 02:40	28°♄43'27	3°05'50	minimum elong	6863 Mar 02 07:44	12°♄42'45	2°38'18
minimum elong	6862 Mar 18 00:47	28°♄49'52	3°05'31	min. Earth dist.	6863 Mar 02 14:57	12°♄17'41	0.68143 AU
min. Earth dist.	6862 Mar 18 20:30	27°♄42'47	0.67595 AU	morning rise	6863 Mar 07 12:59	6°♄22'25	
morning rise	6862 Mar 23 06:59	22°♄28'14		direct	6863 Mar 12 15:22	4°♄09'25	
direct	6862 Mar 28 23:33	19°♄55'49		morning max el	6863 Mar 22 19:14	10°♄10'49	23°04'40
morning max el	6862 Apr 09 09:42	26°♄45'56	24°34'09	desc. node	6863 Mar 28 16:17	16°♄51'05	
desc. node	6862 Apr 10 19:16	28°♄13'32			6863 Apr 07 10:46	0°♄	
	6862 Apr 12 09:46	0°♄		morning set	6863 Apr 26 11:08	29°♄26'00	
	6862 May 04 00:38	0°♄			6863 Apr 26 19:17	0°♄	
morning set	6862 May 15 07:44	18°♄46'37		max. Earth dist.	6863 Apr 30 18:42	6°♄45'15	1.39676 AU
max. Earth dist.	6862 May 18 22:38	25°♄14'54	1.37458 AU				
	6862 May 21 12:32	0°♄		superior conj	6863 May 08 11:20	20°♄28'43	-1°39'06
superior conj	6862 May 25 18:28	8°♄04'41	-1°10'45	minimum elong	6863 May 08 16:44	20°♄53'32	1°38'32
minimum elong	6862 May 25 22:37	8°♄24'48	1°10'08		6863 May 13 13:20	0°♄	
asc. node	6862 Jun 02 08:19	23°♄04'16		evening rise	6863 May 18 02:20	8°♄41'31	
evening rise	6862 Jun 03 09:03	25°♄07'35		asc. node	6863 May 20 05:20	12°♄44'54	
	6862 Jun 05 20:17	0°♄			6863 May 30 07:31	0°♄	
evening max el	6862 Jun 20 03:02	22°♄23'38	19°16'16	evening max el	6863 Jun 03 05:31	4°♄40'30	18°33'12
retrograde	6862 Jun 29 06:52	26°♄53'57		retrograde	6863 Jun 11 00:22	8°♄32'16	
evening set	6862 Jul 01 04:58	26°♄42'55		evening set	6863 Jun 13 04:18	8°♄15'18	
desc. node	6862 Jul 07 18:32	23°♄49'28		inferior conj	6863 Jun 20 20:48	3°♄46'56	1°05'38
inferior conj	6862 Jul 09 17:24	22°♄33'33	-0°35'25	minimum elong	6863 Jun 20 23:04	3°♄42'32	1°04'48
minimum elong	6862 Jul 09 15:51	22°♄36'07	0°34'52	min. Earth dist.	6863 Jun 24 05:10	1°♄12'01	0.57783 AU
min. Earth dist.	6862 Jul 12 11:05	20°♄45'13	0.56002 AU	desc. node	6863 Jun 24 15:34	0°♄53'03	
morning rise	6862 Jul 17 23:52	17°♄50'21			6863 Jun 25 22:14	30°♄♄	
direct	6862 Jul 22 23:24	16°♄53'33		morning rise	6863 Jun 28 14:27	28°♄27'28	
morning max el	6862 Aug 06 02:41	24°♄04'09	25°23'56	direct	6863 Jul 04 10:22	27°♄01'20	
	6862 Aug 11 12:38	0°♄			6863 Jul 13 03:23	0°♄	
asc. node	6862 Aug 29 07:38	29°♄00'33		morning max el	6863 Jul 18 19:42	4°♄38'49	26°47'41
	6862 Aug 29 19:26	0°♄			6863 Aug 06 08:18	0°♄	
morning set	6862 Sep 02 00:54	6°♄42'32		asc. node	6863 Aug 16 04:40	18°♄47'16	
				morning set	6863 Aug 17 10:50	21°♄25'23	
superior conj	6862 Sep 08 22:25	21°♄45'03	1°30'05		6863 Aug 21 10:09	0°♄	
minimum elong	6862 Sep 08 20:30	21°♄34'28	1°29'52	superior conj	6863 Aug 24 10:07	6°♄37'31	1°15'53
max. Earth dist.	6862 Sep 10 04:19	24°♄29'06	1.32321 AU				


































































































































































































































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max. Earth dist.	6863 Aug 24 14:15	7° \mathbb{M} 00'25	1.31846 AU		6864 Aug 11 18:50	0° \mathbb{M}	
evening rise	6863 Aug 31 06:27	21° \mathbb{M} 32'48		evening rise	6864 Aug 14 16:04	6° \mathbb{M} 15'01	
	6863 Sep 04 09:24	0° \mathbb{A}			6864 Aug 27 01:04	0° \mathbb{A}	
desc. node	6863 Sep 20 14:44	27° \mathbb{A} 21'28		desc. node	6864 Sep 06 11:46	15° \mathbb{A} 02'52	
	6863 Sep 22 13:58	0° \mathbb{M}		evening max el	6864 Sep 11 10:17	20° \mathbb{A} 22'35	25°45'27
evening max el	6863 Sep 30 14:02	9° \mathbb{M} 03'06	26°50'59	retrograde	6864 Sep 25 09:00	27° \mathbb{A} 27'22	
retrograde	6863 Oct 14 11:34	16° \mathbb{M} 12'25		evening set	6864 Oct 01 13:19	25° \mathbb{A} 57'23	
evening set	6863 Oct 21 09:36	14° \mathbb{M} 09'26		min. Earth dist.	6864 Oct 05 22:38	23° \mathbb{A} 21'12	0.58228 AU
min. Earth dist.	6863 Oct 25 04:08	11° \mathbb{M} 32'03	0.60302 AU	inferior conj	6864 Oct 09 01:47	21° \mathbb{A} 07'27	-5°08'42
inferior conj	6863 Oct 28 08:50	8° \mathbb{M} 55'00	-4°20'07	minimum elong	6864 Oct 09 06:56	20° \mathbb{A} 58'13	5°07'57
minimum elong	6863 Oct 28 15:41	8° \mathbb{M} 40'55	4°18'19	morning rise	6864 Oct 17 02:53	16° \mathbb{A} 46'15	
morning rise	6863 Nov 04 23:59	4° \mathbb{M} 10'51		direct	6864 Oct 19 12:01	16° \mathbb{A} 28'17	
direct	6863 Nov 07 06:17	3° \mathbb{M} 51'22		morning max el	6864 Oct 27 22:42	20° \mathbb{A} 31'36	18°43'16
asc. node	6863 Nov 12 03:59	5° \mathbb{M} 27'52		asc. node	6864 Oct 29 01:03	21° \mathbb{A} 38'33	
morning max el	6863 Nov 14 16:46	7° \mathbb{M} 32'04	18°06'12		6864 Nov 04 04:02	0° \mathbb{M}	
	6863 Nov 29 02:35	0° \mathbb{A}		morning set	6864 Nov 13 05:45	16° \mathbb{M} 37'13	
morning set	6863 Nov 30 09:59	2° \mathbb{A} 26'35			6864 Nov 20 03:04	0° \mathbb{A}	
superior conj	6863 Dec 10 03:34	20° \mathbb{A} 22'03	0°52'31	superior conj	6864 Nov 21 21:03	3° \mathbb{A} 19'17	1°17'45
minimum elong	6863 Dec 10 07:06	20° \mathbb{A} 37'48	0°52'05	minimum elong	6864 Nov 22 00:25	3° \mathbb{A} 35'10	1°17'27
	6863 Dec 15 15:52	0° \mathbb{B}		max. Earth dist.	6864 Nov 29 01:46	16° \mathbb{A} 26'33	1.39613 AU
desc. node	6863 Dec 17 13:55	3° \mathbb{B} 15'04		evening rise	6864 Dec 03 02:22	23° \mathbb{A} 22'54	
max. Earth dist.	6863 Dec 17 19:18	3° \mathbb{B} 37'38	1.41701 AU	desc. node	6864 Dec 03 10:56	23° \mathbb{A} 59'04	
evening rise	6863 Dec 23 01:25	12° \mathbb{B} 15'40			6864 Dec 07 02:13	0° \mathbb{B}	
	6864 Jan 03 13:02	0° \mathbb{A}			6864 Dec 27 10:04	0° \mathbb{A}	
evening max el	6864 Jan 25 13:44	28° \mathbb{A} 56'08	22°47'50	evening max el	6865 Jan 07 03:41	12° \mathbb{A} 39'25	24°07'49
	6864 Jan 26 15:53	0° \mathbb{H}		retrograde	6865 Jan 18 07:29	19° \mathbb{A} 12'48	
retrograde	6864 Feb 04 14:52	4° \mathbb{H} 54'02		evening set	6865 Jan 23 14:40	17° \mathbb{A} 00'23	
asc. node	6864 Feb 08 03:12	3° \mathbb{H} 51'06		asc. node	6865 Jan 25 00:16	15° \mathbb{A} 40'02	
evening set	6864 Feb 09 09:35	2° \mathbb{H} 56'04		min. Earth dist.	6865 Jan 28 08:00	11° \mathbb{A} 34'01	0.68028 AU
	6864 Feb 12 04:19	30° \mathbb{R}		inferior conj	6865 Jan 29 02:06	10° \mathbb{A} 32'47	1°19'21
inferior conj	6864 Feb 14 18:26	26° \mathbb{A} 31'59	2°03'05	minimum elong	6865 Jan 29 00:24	10° \mathbb{A} 38'35	1°18'44
minimum elong	6864 Feb 14 16:12	26° \mathbb{A} 39'45	2°02'23	morning rise	6865 Feb 03 10:11	4° \mathbb{A} 30'07	
min. Earth dist.	6864 Feb 14 11:32	26° \mathbb{A} 55'54	0.68278 AU	direct	6865 Feb 07 08:44	3° \mathbb{A} 01'47	
morning rise	6864 Feb 19 22:43	20° \mathbb{A} 23'41		morning max el	6865 Feb 15 05:06	7° \mathbb{A} 29'34	20°21'27
direct	6864 Feb 24 10:46	18° \mathbb{A} 33'02		desc. node	6865 Mar 01 10:17	25° \mathbb{A} 58'20	
morning max el	6864 Mar 04 08:41	23° \mathbb{A} 44'20	21°38'08		6865 Mar 04 04:01	0° \mathbb{H}	
	6864 Mar 09 20:32	0° \mathbb{H}		morning set	6865 Mar 15 11:23	17° \mathbb{H} 09'10	
desc. node	6864 Mar 14 13:17	6° \mathbb{H} 09'41			6865 Mar 23 15:39	0° \mathbb{Y}	
	6864 Mar 30 19:57	0° \mathbb{Y}		max. Earth dist.	6865 Mar 25 01:48	2° \mathbb{Y} 16'41	1.43630 AU
morning set	6864 Apr 05 10:30	8° \mathbb{Y} 46'49		superior conj	6865 Mar 31 05:49	12° \mathbb{Y} 19'49	-2°10'40
max. Earth dist.	6864 Apr 11 18:41	19° \mathbb{Y} 04'12	1.41824 AU	minimum elong	6865 Mar 31 06:21	12° \mathbb{Y} 22'03	2°10'40
	6864 Apr 18 05:43	0° \mathbb{B}			6865 Apr 10 15:34	0° \mathbb{B}	
superior conj	6864 Apr 19 08:32	1° \mathbb{B} 56'26	-2°00'56	evening rise	6865 Apr 12 19:24	3° \mathbb{B} 45'35	
minimum elong	6864 Apr 19 13:14	2° \mathbb{B} 16'53	2°00'40	asc. node	6865 Apr 22 23:26	21° \mathbb{B} 04'54	
evening rise	6864 Apr 30 07:15	21° \mathbb{B} 37'22			6865 Apr 29 12:16	0° \mathbb{I}	
	6864 May 04 21:46	0° \mathbb{I}		evening max el	6865 Apr 30 03:38	0° \mathbb{I} 39'31	18°06'51
asc. node	6864 May 06 02:23	2° \mathbb{I} 07'09		retrograde	6865 May 06 14:25	4° \mathbb{I} 00'36	
evening max el	6864 May 16 14:53	17° \mathbb{I} 28'40	18°10'19	evening set	6865 May 09 08:45	3° \mathbb{I} 22'42	
retrograde	6864 May 23 12:09	20° \mathbb{I} 57'24			6865 May 13 22:15	30° \mathbb{R}	
evening set	6864 May 25 23:22	20° \mathbb{I} 31'10		inferior conj	6865 May 15 16:11	28° \mathbb{B} 14'26	3°02'07
inferior conj	6864 Jun 01 21:28	15° \mathbb{I} 42'29	2°17'55	minimum elong	6865 May 15 18:37	28° \mathbb{B} 08'07	3°01'37
minimum elong	6864 Jun 02 00:42	15° \mathbb{I} 35'08	2°16'59	min. Earth dist.	6865 May 18 14:47	25° \mathbb{B} 12'43	0.62175 AU
min. Earth dist.	6864 Jun 05 05:51	12° \mathbb{I} 41'45	0.59951 AU	morning rise	6865 May 22 02:44	22° \mathbb{B} 10'11	
morning rise	6864 Jun 08 23:16	9° \mathbb{I} 55'08		desc. node	6865 May 28 09:38	19° \mathbb{B} 43'31	
desc. node	6864 Jun 10 12:36	9° \mathbb{I} 04'49		direct	6865 May 28 21:34	19° \mathbb{B} 42'46	
direct	6864 Jun 15 10:37	7° \mathbb{I} 55'46		morning max el	6865 Jun 12 00:35	27° \mathbb{B} 44'22	27°54'11
morning max el	6864 Jun 29 19:12	15° \mathbb{I} 50'13	27°39'48		6865 Jun 14 04:23	0° \mathbb{I}	
	6864 Jul 11 08:37	0° \mathbb{B}			6865 Jul 05 02:33	0° \mathbb{B}	
	6864 Jul 28 19:45	0° \mathbb{Q}		morning set	6865 Jul 15 18:38	20° \mathbb{B} 07'16	
morning set	6864 Jul 31 17:25	5° \mathbb{Q} 55'33		asc. node	6865 Jul 19 22:43	28° \mathbb{B} 49'32	
asc. node	6864 Aug 02 01:42	8° \mathbb{Q} 45'05			6865 Jul 20 11:54	0° \mathbb{Q}	
max. Earth dist.	6864 Aug 07 00:44	19° \mathbb{Q} 30'24	1.31808 AU	max. Earth dist.	6865 Jul 21 07:57	1° \mathbb{Q} 47'56	1.32224 AU
superior conj	6864 Aug 07 21:37	21° \mathbb{Q} 25'43	0°57'01	superior conj	6865 Jul 23 07:09	6° \mathbb{Q} 04'13	0°33'57

minimum elong	6865 Jul 23 05:39	5°Ω56'04	0°33'36	superior conj	6866 Jul 07 12:46	20°Ω27'10	0°07'17
evening rise	6865 Jul 30 03:36	20°Ω59'50		minimum elong	6866 Jul 07 12:24	20°Ω25'14	0°07'09
	6865 Aug 03 11:45	0°Π		behind sun begin	6866 Jul 07 07:31	19°Ω59'10	
	6865 Aug 23 00:16	0°Ω		behind sun end	6866 Jul 07 17:17	20°Ω51'20	
evening max el	6865 Aug 23 23:49	0°Ω58'21	24°15'50		6866 Jul 11 23:16	0°Ω	
desc. node	6865 Aug 24 08:49	1°Ω19'47		evening rise	6866 Jul 14 15:08	5°Ω41'28	
retrograde	6865 Sep 06 18:36	7°Ω53'44			6866 Jul 27 14:44	0°Π	
evening set	6865 Sep 11 16:16	7°Ω00'33		evening max el	6866 Aug 05 12:24	11°Π15'24	22°37'14
min. Earth dist.	6865 Sep 17 10:43	4°Ω06'54	0.56401 AU	desc. node	6866 Aug 11 05:52	15°Π41'39	
inferior conj	6865 Sep 19 22:30	2°Ω33'44	-5°27'30	retrograde	6866 Aug 18 15:25	17°Π47'56	
minimum elong	6865 Sep 19 22:08	2°Ω34'18	5°27'29	evening set	6866 Aug 22 00:45	17°Π22'45	
	6865 Sep 24 08:59	30°RΠ		min. Earth dist.	6866 Aug 29 19:51	13°Π56'26	0.55146 AU
morning rise	6865 Sep 28 06:15	28°Π33'13		inferior conj	6866 Aug 31 00:52	13°Π15'12	-4°58'50
direct	6865 Sep 30 22:44	28°Π14'06		minimum elong	6866 Aug 30 17:40	13°Π25'27	4°57'38
	6865 Oct 07 00:54	0°Ω		morning rise	6866 Sep 08 12:32	9°Π26'17	
morning max el	6865 Oct 10 18:01	2°Ω50'24	19°42'18	direct	6866 Sep 11 16:01	9°Π03'37	
asc. node	6865 Oct 15 22:06	8°Ω55'10		morning max el	6866 Sep 23 00:44	14°Π22'12	21°03'06
	6865 Oct 27 19:29	0°Π		asc. node	6866 Oct 02 19:07	27°Π03'21	
morning set	6865 Oct 28 09:01	1°Π08'06			6866 Oct 04 12:44	0°Ω	
				morning set	6866 Oct 12 17:06	15°Ω51'50	
superior conj	6865 Nov 05 05:54	17°Π00'24	1°33'39		6866 Oct 19 11:37	0°Π	
minimum elong	6865 Nov 05 08:07	17°Π11'20	1°33'33	superior conj	6866 Oct 20 01:47	1°Π13'09	1°41'16
max. Earth dist.	6865 Nov 11 07:11	28°Π38'42	1.37485 AU	minimum elong	6866 Oct 20 02:34	1°Π17'09	1°41'17
	6865 Nov 12 00:43	0°♄		max. Earth dist.	6866 Oct 24 16:44	10°Π33'30	1.35548 AU
evening rise	6865 Nov 15 01:10	5°♄28'35		evening rise	6866 Oct 28 18:35	18°Π24'21	
desc. node	6865 Nov 20 07:58	14°♄36'22			6866 Nov 04 05:19	0°♄	
	6865 Nov 30 01:06	0°♄		desc. node	6866 Nov 07 05:00	5°♄02'26	
evening max el	6865 Dec 20 16:42	26°♄25'42	25°23'07		6866 Nov 24 05:47	0°♄	
	6865 Dec 24 18:34	0°♄		evening max el	6866 Dec 03 05:48	10°♄10'10	26°26'21
retrograde	6866 Jan 01 19:37	3°♄24'38		retrograde	6866 Dec 16 02:28	17°♄23'44	
evening set	6866 Jan 07 15:54	0°♄59'30		evening set	6866 Dec 22 11:31	14°♄49'14	
	6866 Jan 08 17:50	30°R♄		min. Earth dist.	6866 Dec 26 14:57	10°♄32'23	0.66426 AU
asc. node	6866 Jan 11 21:20	26°♄22'15		inferior conj	6866 Dec 28 07:39	8°♄29'23	-0°29'22
min. Earth dist.	6866 Jan 12 01:56	26°♄07'34	0.67409 AU	minimum elong	6866 Dec 28 08:28	8°♄26'57	0°28'58
inferior conj	6866 Jan 13 07:10	24°♄33'10	0°28'17	asc. node	6866 Dec 29 18:22	6°♄46'21	
minimum elong	6866 Jan 13 06:28	24°♄35'26	0°28'03	morning rise	6867 Jan 03 06:08	2°♄44'34	
morning rise	6866 Jan 18 21:21	18°♄38'11		direct	6867 Jan 06 06:08	1°♄53'52	
direct	6866 Jan 22 07:48	17°♄30'15		morning max el	6867 Jan 12 20:37	5°♄28'36	18°31'53
morning max el	6866 Jan 29 09:25	21°♄25'31	19°18'42		6867 Jan 30 00:54	0°♄	
	6866 Feb 05 09:35	0°♄		morning set	6867 Feb 02 07:24	5°♄11'15	
greatest brilliancy	6866 Feb 11 14:16	8°♄59'52	-0.7m	desc. node	6867 Feb 03 04:17	6°♄33'58	
desc. node	6866 Feb 16 07:17	16°♄08'22					
morning set	6866 Feb 22 10:38	25°♄35'21		superior conj	6867 Feb 18 07:36	0°♄23'38	-1°34'29
	6866 Feb 25 06:59	0°♄		minimum elong	6867 Feb 17 22:01	29°♄46'06	1°33'30
max. Earth dist.	6866 Mar 07 15:50	16°♄12'21	1.44877 AU		6867 Feb 18 01:34	0°♄	
				max. Earth dist.	6867 Feb 18 10:31	0°♄35'04	1.45422 AU
superior conj	6866 Mar 11 02:30	21°♄39'47	-2°02'32	evening rise	6867 Mar 06 01:45	25°♄12'20	
minimum elong	6866 Mar 10 20:19	21°♄15'12	2°02'13		6867 Mar 09 02:12	0°♄	
	6866 Mar 16 07:17	0°♄		greatest brilliancy	6867 Mar 15 02:01	9°♄28'48	-0.8m
evening rise	6866 Mar 25 10:16	14°♄57'20		asc. node	6867 Mar 27 17:31	27°♄11'23	
	6866 Apr 03 13:08	0°♄		evening max el	6867 Mar 28 03:01	27°♄35'56	18°55'11
asc. node	6866 Apr 09 20:29	9°♄29'44			6867 Mar 30 22:46	0°♄	
evening max el	6866 Apr 13 16:34	14°♄04'08	18°22'07	retrograde	6867 Apr 03 21:25	1°♄22'46	
retrograde	6866 Apr 20 02:49	17°♄31'46		evening set	6867 Apr 07 05:41	0°♄18'05	
evening set	6866 Apr 23 03:58	16°♄40'52			6867 Apr 07 16:19	30°R♄	
inferior conj	6866 Apr 29 00:45	11°♄14'13	3°23'27	inferior conj	6867 Apr 12 19:22	24°♄34'40	3°27'05
minimum elong	6866 Apr 29 01:46	11°♄11'17	3°23'20	minimum elong	6867 Apr 12 18:59	24°♄35'52	3°27'03
min. Earth dist.	6866 May 01 08:51	8°♄32'46	0.64189 AU	min. Earth dist.	6867 Apr 14 11:53	22°♄27'31	0.65845 AU
morning rise	6866 May 04 22:37	5°♄01'27		morning rise	6867 Apr 18 07:50	18°♄18'32	
direct	6866 May 11 16:49	2°♄17'20		direct	6867 Apr 24 18:58	15°♄30'32	
desc. node	6866 May 15 06:39	2°♄57'20		desc. node	6867 May 02 03:39	18°♄19'08	
morning max el	6866 May 25 09:40	10°♄15'59	27°31'58	morning max el	6867 May 07 19:59	23°♄14'23	26°38'50
	6866 Jun 09 21:23	0°♄			6867 May 13 19:53	0°♄	
	6866 Jun 27 12:03	3°♄53'22			6867 Jun 03 05:15	0°♄	
morning set	6866 Jun 29 12:00	13°♄43'09	1.33106 AU	morning set	6867 Jun 12 18:12	17°♄03'50	
max. Earth dist.	6866 Jul 04 08:14	18°♄56'31		max. Earth dist.	6867 Jun 16 22:23	25°♄09'54	1.34462 AU
asc. node	6866 Jul 06 19:45						

	6867 Jun 19 08:06	0°☿		morning set	6868 May 25 09:03	29°☿27'27	
					6868 May 25 16:15	0°♊	
superior conj	6867 Jun 21 12:08	4°☿27'05 -0°22'12		max. Earth dist.	6868 May 29 01:32	6°♊15'06	1.36263 AU
minimum elong	6867 Jun 21 13:21	4°☿33'26 0°22'01					
asc. node	6867 Jun 23 16:45	9°☿01'16		superior conj	6868 Jun 04 02:32	17°♊56'58 -0°53'06	
evening rise	6867 Jun 29 00:41	20°☿12'49		minimum elong	6868 Jun 04 05:38	18°♊12'23 0°52'36	
	6867 Jul 03 20:51	0°♊		asc. node	6868 Jun 09 13:45	29°♊00'07	
evening max el	6867 Jul 18 08:23	21°♊47'13 21°05'24			6868 Jun 10 01:29	0°☿	
desc. node	6867 Jul 29 02:54	27°♊35'33		evening rise	6868 Jun 12 06:04	4°☿27'45	
retrograde	6867 Jul 30 04:20	27°♊38'17			6868 Jun 27 00:41	0°♊	
evening set	6867 Aug 01 10:37	27°♊26'16		evening max el	6868 Jun 29 17:01	2°♊58'16 19°50'18	
inferior conj	6867 Aug 10 17:45	23°♊28'37 -3°37'08		retrograde	6868 Jul 09 20:18	7°♊57'12	
minimum elong	6867 Aug 10 08:44	23°♊41'20 3°34'25		evening set	6868 Jul 11 17:16	7°♊47'43	
min. Earth dist.	6867 Aug 11 05:17	23°♊12'21 0.54732 AU		desc. node	6868 Jul 14 23:54	6°♊49'47	
morning rise	6867 Aug 19 07:18	19°♊32'54		inferior conj	6868 Jul 20 15:42	3°♊46'21 -1°42'41	
direct	6867 Aug 23 00:22	19°♊03'21		minimum elong	6868 Jul 20 10:57	3°♊53'37 1°40'57	
morning max el	6867 Sep 04 20:12	25°♊09'29 22°41'26		min. Earth dist.	6868 Jul 22 17:19	2°♊30'20 0.55281 AU	
	6867 Sep 09 07:58	0°♎			6868 Jul 27 11:12	30°♎☿	
asc. node	6867 Sep 19 16:07	15°♎50'17		morning rise	6868 Jul 29 02:38	29°☿23'20	
	6867 Sep 26 19:57	0°♏		direct	6868 Aug 02 13:47	28°☿39'26	
morning set	6867 Sep 27 03:52	0°♏41'41			6868 Aug 08 13:36	0°♊	
				morning max el	6868 Aug 16 09:44	5°♊30'11 24°26'31	
superior conj	6867 Oct 04 05:12	15°♏46'47 1°41'44			6868 Sep 02 20:26	0°♎	
minimum elong	6867 Oct 04 04:40	15°♏43'56 1°41'43		asc. node	6868 Sep 05 13:07	5°♎06'20	
max. Earth dist.	6867 Oct 07 09:56	22°♏30'40 1.33954 AU		morning set	6868 Sep 10 15:35	15°♎32'35	
	6867 Oct 11 02:19	0°♌			6868 Sep 17 07:25	0°♏	
evening rise	6867 Oct 12 02:29	1°♌59'18					
desc. node	6867 Oct 25 02:03	25°♌11'04		superior conj	6868 Sep 17 13:30	0°♏33'12 1°35'57	
	6867 Oct 28 03:26	0°♐		minimum elong	6868 Sep 17 11:58	0°♏24'52 1°35'50	
evening max el	6867 Nov 15 18:36	23°♐43'24 27°10'20		max. Earth dist.	6868 Sep 19 11:20	4°♏41'44 1.32785 AU	
	6867 Nov 24 12:21	0°♑		evening rise	6868 Sep 24 21:13	16°♏03'54	
retrograde	6867 Nov 29 03:35	1°♑02'32			6868 Oct 02 02:41	0°♌	
	6867 Dec 03 11:18	30°♎♐		desc. node	6868 Oct 10 23:05	14°♌54'38	
evening set	6867 Dec 05 23:23	28°♐24'25			6868 Oct 21 20:46	0°♐	
min. Earth dist.	6867 Dec 09 20:49	24°♐42'11 0.65083 AU		evening max el	6868 Oct 28 05:48	6°♐54'01 27°28'10	
inferior conj	6867 Dec 12 01:20	22°♐16'28 -1°32'30		retrograde	6868 Nov 10 22:23	14°♐11'50	
minimum elong	6867 Dec 12 04:04	22°♐08'51 1°31'17		evening set	6868 Nov 18 00:45	11°♐38'47	
asc. node	6867 Dec 16 15:23	17°♐48'57		min. Earth dist.	6868 Nov 21 17:36	8°♐28'08 0.63411 AU	
morning rise	6867 Dec 18 10:00	16°♐44'37		inferior conj	6868 Nov 24 09:35	5°♐48'04 -2°39'03	
direct	6867 Dec 21 01:33	16°♐07'25		minimum elong	6868 Nov 24 14:25	5°♐35'54 2°37'09	
morning max el	6867 Dec 27 12:18	19°♐32'30 18°01'48		morning rise	6868 Dec 01 05:52	0°♐32'09	
	6868 Jan 04 09:54	0°♑		asc. node	6868 Dec 02 12:26	0°♐10'43	
morning set	6868 Jan 14 09:52	16°♑16'04		direct	6868 Dec 03 15:19	0°♐04'37	
desc. node	6868 Jan 21 01:18	27°♑10'27		morning max el	6868 Dec 10 05:29	3°♐29'20 17°48'59	
	6868 Jan 22 19:07	0°♒		morning set	6868 Dec 26 14:23	28°♐36'07	
					6868 Dec 27 09:43	0°♑	
superior conj	6868 Jan 28 16:04	9°♒24'22 -0°52'15		desc. node	6869 Jan 06 22:18	17°♑53'21	
minimum elong	6868 Jan 28 09:50	8°♒59'36 0°51'22					
max. Earth dist.	6868 Feb 01 06:18	15°♒04'56 1.45216 AU		superior conj	6869 Jan 07 20:42	19°♑25'50 -0°06'42	
	6868 Feb 10 19:57	0°♒		minimum elong	6869 Jan 07 19:59	19°♑22'54 0°06'33	
evening rise	6868 Feb 13 21:19	4°♒43'34		behind sun begin	6869 Jan 07 11:12	18°♑46'40	
greatest brilliancy	6868 Feb 27 14:08	25°♒36'32 -0.7m		behind sun end	6869 Jan 08 04:47	19°♑59'05	
	6868 Mar 01 14:19	0°♓		max. Earth dist.	6869 Jan 13 23:59	29°♑22'56 1.44298 AU	
evening max el	6868 Mar 10 09:07	11°♓11'15 19°44'40			6869 Jan 14 09:17	0°♒	
asc. node	6868 Mar 13 14:33	13°♓57'44		evening rise	6869 Jan 23 08:01	14°♒00'00	
retrograde	6868 Mar 17 19:12	15°♓27'54			6869 Feb 02 22:00	0°♒	
evening set	6868 Mar 21 11:21	14°♓08'58		evening max el	6869 Feb 21 09:50	24°♒47'44 20°48'20	
inferior conj	6868 Mar 26 20:54	8°♓10'45 3°16'54		asc. node	6869 Feb 28 11:36	29°♒33'33	
minimum elong	6868 Mar 26 19:27	8°♓15'37 3°16'43		retrograde	6869 Mar 01 17:37	29°♒41'45	
min. Earth dist.	6868 Mar 27 22:38	6°♓45'04 0.67078 AU		evening set	6869 Mar 05 18:58	28°♒07'59	
morning rise	6868 Apr 01 03:17	1°♓54'26		inferior conj	6869 Mar 11 02:46	21°♒57'29 2°55'34	
	6868 Apr 03 20:52	30°♒♒		minimum elong	6869 Mar 11 00:40	22°♒04'46 2°55'08	
direct	6868 Apr 07 03:16	29°♒13'48		min. Earth dist.	6869 Mar 11 15:01	21°♒15'19 0.67876 AU	
	6868 Apr 10 15:51	0°♓		morning rise	6869 Mar 16 06:09	15°♒43'02	
desc. node	6868 Apr 18 00:39	5°♓17'00		direct	6869 Mar 21 16:43	13°♒18'11	
morning max el	6868 Apr 19 05:38	6°♓28'21 25°23'31		morning max el	6869 Apr 01 14:27	19°♒49'06 23°56'12	
	6868 May 07 11:10	0°♒		desc. node	6869 Apr 04 21:40	23°♒23'48	

	6869 Apr 10 06:24	0°♿			6870 Mar 11 07:49	0°♿	
	6869 Apr 30 15:21	0°♿		morning max el	6870 Mar 15 01:02	3°♿16'31	22°26'56
morning set	6869 May 07 03:04	10°♿49'06		desc. node	6870 Mar 22 18:42	12°♿20'19	
max. Earth dist.	6869 May 10 21:30	17°♿24'00	1.38392 AU		6870 Apr 04 08:35	0°♿	
	6869 May 17 18:22	0°♿		morning set	6870 Apr 17 18:40	20°♿54'50	
				max. Earth dist.	6870 Apr 22 18:19	29°♿12'07	1.40620 AU
superior conj	6869 May 18 04:29	0°♿47'52	-1°23'18		6870 Apr 23 05:36	0°♿	
minimum elong	6869 May 18 09:18	1°♿10'42	1°22'39				
evening rise	6869 May 27 04:40	18°♿18'37		superior conj	6870 Apr 30 13:39	12°♿49'39	-1°49'29
asc. node	6869 May 27 10:47	18°♿48'35		minimum elong	6870 Apr 30 19:04	13°♿14'03	1°49'00
	6869 Jun 02 07:53	0°♿			6870 May 09 20:30	0°♿	
evening max el	6869 Jun 12 13:57	14°♿53'06	18°55'27	evening rise	6870 May 10 17:11	1°♿37'21	
retrograde	6869 Jun 21 02:30	19°♿04'57		asc. node	6870 May 14 07:49	8°♿22'01	
evening set	6869 Jun 23 02:36	18°♿51'57		evening max el	6870 May 26 19:56	27°♿24'57	18°21'02
inferior conj	6869 Jul 01 06:43	14°♿35'23	0°10'36		6870 May 30 04:51	0°♿	
minimum elong	6869 Jul 01 07:09	14°♿34'38	0°10'23	retrograde	6870 Jun 03 03:55	1°♿04'29	
transit middle	6869 Jul 01 07:09	14°♿34'38	0°10'23	evening set	6870 Jun 05 11:06	0°♿43'48	
transit begin	6869 Jul 01 04:17	14°♿39'41			6870 Jun 07 07:01	30°♿	
transit end	6869 Jul 01 10:00	14°♿29'34		inferior conj	6870 Jun 12 19:23	26°♿06'51	1°39'58
desc. node	6869 Jul 01 20:55	14°♿10'08		minimum elong	6870 Jun 12 22:22	26°♿00'39	1°38'58
min. Earth dist.	6869 Jul 04 08:54	12°♿24'52	0.56691 AU	min. Earth dist.	6870 Jun 16 05:24	23°♿18'03	0.58686 AU
morning rise	6869 Jul 09 08:19	9°♿36'00		desc. node	6870 Jun 18 17:59	21°♿28'40	
direct	6869 Jul 14 16:58	8°♿27'21		morning rise	6870 Jun 20 06:29	20°♿34'33	
morning max el	6869 Jul 28 23:52	15°♿51'29	26°02'41	direct	6870 Jun 26 10:05	18°♿54'04	
	6869 Aug 09 10:55	0°♿		morning max el	6870 Jul 10 19:18	26°♿39'19	27°14'13
asc. node	6869 Aug 23 10:08	24°♿43'48			6870 Jul 13 23:26	0°♿	
	6869 Aug 25 22:53	0°♿			6870 Aug 02 22:26	0°♿	
morning set	6869 Aug 26 02:39	0°♿19'55		morning set	6870 Aug 10 11:22	14°♿57'51	
				asc. node	6870 Aug 10 07:09	14°♿35'43	
superior conj	6869 Sep 02 00:32	15°♿25'39	1°24'40	max. Earth dist.	6870 Aug 17 05:43	29°♿40'09	1.31778 AU
minimum elong	6869 Sep 01 22:25	15°♿13'56	1°24'24		6870 Aug 17 09:18	0°♿	
max. Earth dist.	6869 Sep 02 19:03	17°♿07'48	1.32060 AU				
evening rise	6869 Sep 08 23:44	0°♿29'46		superior conj	6870 Aug 17 12:22	0°♿17'00	1°08'26
	6869 Sep 08 18:02	0°♿		minimum elong	6870 Aug 17 10:07	0°♿04'28	1°08'02
	6869 Sep 25 03:26	0°♿		evening rise	6870 Aug 24 07:24	15°♿08'11	
desc. node	6869 Sep 27 20:06	4°♿03'10			6870 Aug 31 17:16	0°♿	
evening max el	6869 Oct 10 13:21	19°♿30'19	27°14'26	desc. node	6870 Sep 14 17:08	22°♿21'45	
retrograde	6869 Oct 24 09:59	26°♿42'44			6870 Sep 21 05:55	0°♿	
evening set	6869 Oct 31 12:05	24°♿25'47		evening max el	6870 Sep 22 14:23	1°♿19'38	26°26'53
min. Earth dist.	6869 Nov 04 04:04	21°♿39'27	0.61479 AU	retrograde	6870 Oct 06 12:37	8°♿26'17	
inferior conj	6869 Nov 07 05:21	18°♿57'05	-3°45'01	evening set	6870 Oct 13 04:42	6°♿36'37	
minimum elong	6869 Nov 07 11:53	18°♿42'34	3°42'57	min. Earth dist.	6870 Oct 17 03:53	4°♿01'52	0.59410 AU
morning rise	6869 Nov 14 13:47	14°♿00'11		inferior conj	6870 Oct 20 09:04	1°♿32'52	-4°43'15
direct	6869 Nov 16 20:08	13°♿38'41		minimum elong	6870 Oct 20 15:37	1°♿20'09	4°41'51
asc. node	6869 Nov 19 09:29	14°♿07'08			6870 Oct 22 10:17	30°♿	
morning max el	6869 Nov 23 21:01	17°♿11'27	17°54'20	morning rise	6870 Oct 28 04:45	26°♿58'02	
	6869 Dec 02 22:55	0°♿		direct	6870 Oct 30 11:46	26°♿39'26	
morning set	6869 Dec 09 14:29	11°♿52'10		asc. node	6870 Nov 06 06:32	29°♿32'15	
	6869 Dec 19 17:33	0°♿			6870 Nov 06 19:11	0°♿	
superior conj	6869 Dec 20 03:24	0°♿42'46	0°33'28	morning max el	6870 Nov 07 07:23	0°♿28'38	18°19'19
minimum elong	6869 Dec 20 06:09	0°♿54'42	0°33'07	morning set	6870 Nov 23 04:20	25°♿46'18	
desc. node	6869 Dec 24 19:20	8°♿39'31			6870 Nov 25 09:34	0°♿	
max. Earth dist.	6869 Dec 27 13:58	13°♿15'46	1.42783 AU	superior conj	6870 Dec 02 09:36	13°♿06'56	1°04'24
evening rise	6870 Jan 03 01:38	23°♿41'08		minimum elong	6870 Dec 02 13:15	13°♿23'35	1°04'00
	6870 Jan 07 03:06	0°♿		max. Earth dist.	6870 Dec 09 23:18	26°♿30'47	1.40839 AU
	6870 Jan 28 00:33	0°♿		desc. node	6870 Dec 11 16:20	29°♿24'53	
evening max el	6870 Feb 04 05:23	8°♿26'14	22°02'27		6870 Dec 12 00:42	0°♿	
retrograde	6870 Feb 13 14:50	14°♿00'40		evening rise	6870 Dec 14 13:41	4°♿13'07	
asc. node	6870 Feb 15 08:39	13°♿44'54			6870 Dec 31 09:22	0°♿	
evening set	6870 Feb 18 02:49	12°♿11'40		evening max el	6871 Jan 17 20:53	22°♿07'17	23°22'02
inferior conj	6870 Feb 23 10:50	5°♿51'45	2°24'45	retrograde	6871 Jan 28 09:21	28°♿20'30	
minimum elong	6870 Feb 23 08:31	5°♿59'49	2°24'05	evening set	6871 Feb 02 09:21	26°♿16'14	
min. Earth dist.	6870 Feb 23 10:43	5°♿52'09	0.68253 AU	asc. node	6871 Feb 02 05:44	26°♿23'44	
	6870 Feb 28 05:28	30°♿		inferior conj	6871 Feb 07 19:10	19°♿50'24	1°45'30
morning rise	6870 Feb 28 14:02	29°♿40'48		minimum elong	6871 Feb 07 17:05	19°♿57'32	1°44'48
direct	6870 Mar 05 10:23	27°♿36'51		min. Earth dist.	6871 Feb 07 07:28	20°♿30'34	0.68222 AU

morning rise	6871 Feb 13 00:46	13° \approx 44'27	direct	6872 Feb 01 05:32	26° \approx 32'00	
direct	6871 Feb 17 07:02	12° \approx 03'18		6872 Feb 07 22:34	0° \approx	
morning max el	6871 Feb 25 17:08	16° \approx 54'19 21°04'02	morning max el	6872 Feb 08 16:59	0° \approx 44'14	19°52'58
	6871 Mar 08 07:27	0° \approx	greatest brilliancy	6872 Feb 21 19:20	17° \approx 48'53	-0.6m
desc. node	6871 Mar 09 15:43	1° \approx 52'37	desc. node	6872 Feb 24 12:42	21° \approx 50'39	
morning set	6871 Mar 28 06:56	29° \approx 45'43		6872 Feb 29 22:31	0° \approx	
	6871 Mar 28 10:35	0° \approx	morning set	6872 Mar 06 03:54	8° \approx 00'04	
max. Earth dist.	6871 Apr 04 21:44	11° \approx 56'33 1.42652 AU	max. Earth dist.	6872 Mar 17 08:18	25° \approx 29'59	1.44233 AU
				6872 Mar 20 03:48	0° \approx	
superior conj	6871 Apr 12 01:10	23° \approx 51'09 -2°06'54				
minimum elong	6871 Apr 12 04:34	24° \approx 05'40 2°06'47	superior conj	6872 Mar 22 11:31	3° \approx 45'10 -2°09'39	
	6871 Apr 15 14:50	0° \approx	minimum elong	6872 Mar 22 09:16	3° \approx 36'03	2°09'38
evening rise	6871 Apr 23 15:34	14° \approx 14'28	evening rise	6872 Apr 04 19:09	25° \approx 59'17	
asc. node	6871 May 01 04:53	27° \approx 34'54		6872 Apr 07 03:30	0° \approx	
	6871 May 02 15:44	0° \approx	asc. node	6872 Apr 17 01:56	16° \approx 19'31	
evening max el	6871 May 10 07:11	10° \approx 12'13 18°06'29	evening max el	6872 Apr 22 20:17	23° \approx 41'03	18°11'04
retrograde	6871 May 16 22:36	13° \approx 14'53	retrograde	6872 Apr 29 05:50	27° \approx 03'41	
evening set	6871 May 19 12:58	13° \approx 16'47	evening set	6872 May 02 02:59	26° \approx 20'27	
inferior conj	6871 May 26 04:17	8° \approx 19'18 2°39'48	inferior conj	6872 May 08 05:24	21° \approx 03'59	3°13'36
minimum elong	6871 May 26 07:19	8° \approx 11'58 2°39'02	minimum elong	6872 May 08 07:15	20° \approx 58'55	3°13'19
min. Earth dist.	6871 May 29 09:13	5° \approx 15'34 0.60909 AU	min. Earth dist.	6872 May 10 22:04	18° \approx 08'42	0.63061 AU
morning rise	6871 Jun 01 23:24	2° \approx 12'34	morning rise	6872 May 14 10:09	14° \approx 55'00	
desc. node	6871 Jun 05 15:01	0° \approx 13'81	direct	6872 May 21 05:24	12° \approx 19'08	
direct	6871 Jun 08 14:54	0° \approx 11'41	desc. node	6872 May 22 12:03	12° \approx 24'12	
morning max el	6871 Jun 22 21:33	8° \approx 09'24 27°50'40	morning max el	6872 Jun 04 05:05	20° \approx 21'14	27°49'02
	6871 Jul 09 13:49	0° \approx		6872 Jun 12 11:48	0° \approx	
morning set	6871 Jul 25 15:57	29° \approx 21'14		6872 Jul 01 14:32	0° \approx	
	6871 Jul 25 23:27	0° \approx	morning set	6872 Jul 08 14:10	13° \approx 22'58	
asc. node	6871 Jul 28 04:10	4° \approx 13'03	max. Earth dist.	6872 Jul 13 20:24	24° \approx 17'18	1.32544 AU
max. Earth dist.	6871 Jul 31 15:33	12° \approx 07'42 1.31937 AU	asc. node	6872 Jul 14 01:11	24° \approx 42'45	
superior conj	6871 Aug 01 23:16	15° \approx 01'52 0°47'44	superior conj	6872 Jul 16 07:21	29° \approx 34'02	0°23'03
minimum elong	6871 Aug 01 21:21	14° \approx 05'19 0°47'19	minimum elong	6872 Jul 16 06:16	29° \approx 28'13	0°22'46
evening rise	6871 Aug 08 18:07	29° \approx 05'23		6872 Jul 16 12:08	0° \approx	
	6871 Aug 08 19:30	0° \approx	evening rise	6872 Jul 23 05:52	14° \approx 03'62	
	6871 Aug 25 05:10	0° \approx		6872 Jul 30 21:49	0° \approx	
desc. node	6871 Sep 01 14:10	9° \approx 30'29	evening max el	6872 Aug 15 19:14	22° \approx 40'57	23°33'50
evening max el	6871 Sep 04 07:22	12° \approx 18'24 25°09'23	desc. node	6872 Aug 18 11:13	25° \approx 02'14	
retrograde	6871 Sep 18 04:50	19° \approx 19'42	retrograde	6872 Aug 29 09:17	29° \approx 29'35	
evening set	6871 Sep 23 21:54	18° \approx 05'21	evening set	6872 Sep 02 15:24	28° \approx 49'52	
min. Earth dist.	6871 Sep 28 18:50	15° \approx 24'12 0.57411 AU	min. Earth dist.	6872 Sep 09 05:04	25° \approx 43'52	0.55780 AU
inferior conj	6871 Oct 01 17:29	13° \approx 25'52 -5°21'23	inferior conj	6872 Sep 11 05:43	24° \approx 31'29	-5°21'56
minimum elong	6871 Oct 01 20:44	13° \approx 20'22 5°21'06	minimum elong	6872 Sep 11 02:15	24° \approx 36'38	5°21'40
morning rise	6871 Oct 09 21:52	9° \approx 14'13	morning rise	6872 Sep 19 15:27	20° \approx 37'55	
direct	6871 Oct 12 09:50	8° \approx 55'56	direct	6872 Sep 22 12:07	20° \approx 17'44	
morning max el	6871 Oct 21 09:07	13° \approx 11'25 19°05'38	morning max el	6872 Oct 02 23:14	25° \approx 10'48	20°14'12
asc. node	6871 Oct 24 03:34	16° \approx 12'24		6872 Oct 07 06:33	0° \approx	
	6871 Nov 01 21:53	0° \approx	asc. node	6872 Oct 10 00:34	3° \approx 52'15	
morning set	6871 Nov 07 03:37	10° \approx 06'15	morning set	6872 Oct 21 09:12	24° \approx 43'09	
				6872 Oct 23 22:54	0° \approx	
superior conj	6871 Nov 15 10:12	26° \approx 12'41 1°25'35				
minimum elong	6871 Nov 15 13:09	26° \approx 13'81 1°25'22	superior conj	6872 Oct 29 00:14	10° \approx 12'01	1°37'50
	6871 Nov 17 07:24	0° \approx	minimum elong	6872 Oct 29 01:51	10° \approx 12'28	1°37'47
max. Earth dist.	6871 Nov 22 05:01	9° \approx 03'11 1.38700 AU	max. Earth dist.	6872 Nov 03 11:17	21° \approx 03'55	1.36621 AU
evening rise	6871 Nov 26 00:06	15° \approx 04'44	evening rise	6872 Nov 07 07:17	28° \approx 12'58	
desc. node	6871 Nov 28 13:21	20° \approx 06'00		6872 Nov 08 06:55	0° \approx	
	6871 Dec 04 15:08	0° \approx	desc. node	6872 Nov 14 10:21	10° \approx 03'38	
	6871 Dec 26 01:32	0° \approx		6872 Nov 26 23:13	0° \approx	
evening max el	6871 Dec 31 10:07	5° \approx 51'11 24°40'50	evening max el	6872 Dec 12 22:53	19° \approx 36'44	25°51'55
retrograde	6872 Jan 12 00:06	12° \approx 36'38	retrograde	6872 Dec 25 10:13	26° \approx 34'40	
evening set	6872 Jan 17 12:58	10° \approx 18'12	evening set	6872 Dec 31 12:04	24° \approx 31'40	
asc. node	6872 Jan 20 02:49	7° \approx 39'08	min. Earth dist.	6873 Jan 04 19:06	19° \approx 37'10	0.67028 AU
min. Earth dist.	6872 Jan 22 02:59	5° \approx 06'42 0.67810 AU	asc. node	6873 Jan 05 23:50	18° \approx 06'45	
inferior conj	6872 Jan 23 01:54	3° \approx 50'34 0°58'32	inferior conj	6873 Jan 06 05:15	17° \approx 49'39	0°04'34
minimum elong	6872 Jan 23 00:34	3° \approx 55'02 0°58'03	minimum elong	6873 Jan 06 05:08	17° \approx 50'03	0°04'35
	6872 Jan 26 04:00	30° \approx 03'03	transit middle	6873 Jan 06 05:08	17° \approx 50'03	0°04'35
morning rise	6872 Jan 28 12:19	27° \approx 51'13	transit begin	6873 Jan 06 02:25	17° \approx 58'37	

transit end	6873 Jan 06 07:51	17°  41'29	inferior conj	6873 Dec 21 03:08	1°  42'40 -0°55'36
morning rise	6873 Jan 11 22:44	11°  58'47	minimum elong	6873 Dec 21 04:43	1°  38'03 0°54'51
direct	6873 Jan 15 04:23	10°  58'49		6873 Dec 22 14:55	30°  R 
morning max el	6873 Jan 22 00:33	14°  44'16 18°56'49	asc. node	6873 Dec 23 20:52	28°  A  40'33
	6873 Feb 02 12:29	0° 	morning rise	6873 Dec 27 05:43	26°  A  02'48
desc. node	6873 Feb 10 09:42	12°  07'48	direct	6873 Dec 30 01:47	25°  A  18'23
morning set	6873 Feb 13 10:08	16°  09'55	morning max el	6874 Jan 05 13:55	28°  A  48'09 18°16'58
	6873 Feb 21 20:40	0° 		6874 Jan 06 17:15	0° 
max. Earth dist.	6873 Feb 28 00:15	9°  A  37'43 1.45191 AU	morning set	6874 Jan 24 19:26	27°  A  03'22
				6874 Jan 26 15:18	0° 
superior conj	6873 Mar 01 23:47	12°  A  44'37 -1°52'57	desc. node	6874 Jan 28 06:41	2°  A  38'09
minimum elong	6873 Mar 01 15:22	12°  A  11'26 1°52'19			
	6873 Mar 12 19:49	0° 	superior conj	6874 Feb 09 03:47	21°  A  28'40 -1°17'42
evening rise	6873 Mar 17 00:07	6°  Y  46'09	minimum elong	6874 Feb 08 18:57	20°  A  53'59 1°16'38
	6873 Mar 31 15:30	0° 	max. Earth dist.	6874 Feb 10 19:16	24°  A  03'31 1.45426 AU
asc. node	6873 Apr 03 22:59	4°  B  27'15		6874 Feb 14 14:24	0° 
evening max el	6873 Apr 06 08:23	7°  B  08'55 18°34'04	evening rise	6874 Feb 25 06:08	16°  A  A  38'57
retrograde	6873 Apr 12 21:17	10°  B  43'31		6874 Mar 05 19:24	0° 
evening set	6873 Apr 16 01:17	9°  B  47'02	greatest brilliancy	6874 Mar 08 11:24	4°  Y  06'24 -0.8m
inferior conj	6873 Apr 21 18:40	4°  B  13'11 3°26'52	evening max el	6874 Mar 20 17:13	20°  Y  42'25 19°14'25
minimum elong	6873 Apr 21 19:04	4°  B  12'01 3°26'49	asc. node	6874 Mar 21 20:01	21°  Y  46'47
min. Earth dist.	6873 Apr 23 20:13	1°  B  44'43 0.64940 AU	retrograde	6874 Mar 27 17:25	24°  Y  40'33
	6873 Apr 25 09:29	30°  R  Y 	evening set	6874 Mar 31 04:56	23°  Y  29'56
morning rise	6873 Apr 27 12:06	27°  Y  58'16	inferior conj	6874 Apr 05 16:33	17°  Y  40'16 3°24'15
direct	6873 May 04 03:56	25°  Y  10'40	minimum elong	6874 Apr 05 15:40	17°  Y  43'08 3°24'11
desc. node	6873 May 09 09:05	26°  Y  35'52	min. Earth dist.	6874 Apr 07 02:45	15°  Y  49'58 0.66426 AU
	6873 May 14 07:20	0° 	morning rise	6874 Apr 11 02:02	11°  Y  23'51
morning max el	6873 May 17 15:02	3°  B  05'37 27°12'37	direct	6874 Apr 17 08:59	8°  Y  37'26
	6873 Jun 06 20:06	0° 	desc. node	6874 Apr 26 06:05	12°  Y  41'37
morning set	6873 Jun 22 03:14	26°  B  55'00	morning max el	6874 Apr 30 00:57	16°  Y  10'35 26°08'51
	6873 Jun 23 17:01	0° 		6874 May 11 11:07	0° 
max. Earth dist.	6873 Jun 26 16:25	5°  B  58'58 1.33621 AU		6874 May 30 17:11	0° 
			morning set	6874 Jun 05 03:30	9°  B  46'59
superior conj	6873 Jun 30 10:35	13°  B  47'39 -0°04'58	max. Earth dist.	6874 Jun 09 01:25	17°  B  12'59 1.35173 AU
minimum elong	6873 Jun 30 10:51	13°  B  49'03 0°04'59			
behind sun begin	6873 Jun 30 05:32	13°  B  20'59	superior conj	6874 Jun 14 06:33	27°  B  35'59 -0°35'14
behind sun end	6873 Jun 30 16:10	14°  B  17'08	minimum elong	6874 Jun 14 08:33	27°  B  46'11 0°34'54
asc. node	6873 Jun 30 22:11	14°  B  48'59		6874 Jun 15 10:43	0° 
evening rise	6873 Jul 07 16:45	29°  B  13'45	asc. node	6874 Jun 17 19:12	4°  B  51'44
	6873 Jul 08 01:34	0° 	evening rise	6874 Jun 22 00:49	13°  B  38'49
	6873 Jul 25 15:12	0° 		6874 Jun 30 11:46	0° 
evening max el	6873 Jul 28 10:01	3°  B  00'14 21°56'36	evening max el	6874 Jul 10 11:20	13°  B  48'03 20°31'12
desc. node	6873 Aug 05 08:15	8°  B  24'26	retrograde	6874 Jul 21 14:13	19°  B  16'38
retrograde	6873 Aug 10 02:01	9°  B  17'22	desc. node	6874 Jul 23 05:18	19°  B  10'04
evening set	6873 Aug 12 21:30	8°  B  59'42	evening set	6874 Jul 23 14:38	19°  B  06'36
min. Earth dist.	6873 Aug 21 14:24	5°  B  14'56 0.54853 AU	inferior conj	6874 Aug 01 19:51	15°  B  09'36 -2°50'40
inferior conj	6873 Aug 22 02:32	4°  B  57'54 -4°30'05	minimum elong	6874 Aug 01 12:09	15°  B  20'43 2°48'03
minimum elong	6873 Aug 21 17:40	5°  B  10'20 4°28'03	min. Earth dist.	6874 Aug 03 00:51	14°  B  27'44 0.54849 AU
morning rise	6873 Aug 30 15:15	1°  B  08'16	morning rise	6874 Aug 10 09:01	11°  B  04'22
direct	6873 Sep 02 23:53	0°  B  43'20	direct	6874 Aug 14 09:30	10°  B  29'38
morning max el	6873 Sep 15 00:49	6°  B  22'39 21°43'15	morning max el	6874 Aug 27 16:51	16°  B  55'44 23°26'02
asc. node	6873 Sep 26 21:34	22°  B  18'02		6874 Sep 07 04:29	0° 
	6873 Oct 01 02:03	0° 	asc. node	6874 Sep 13 18:34	11°  B  18'46
morning set	6873 Oct 05 18:38	9°  B  29'44	morning set	6874 Sep 20 06:02	24°  B  21'00
				6874 Sep 22 21:23	0° 
superior conj	6873 Oct 12 23:41	24°  B  42'52 1°42'17			
minimum elong	6873 Oct 12 23:52	24°  B  43'53 1°42'18	superior conj	6874 Sep 27 05:30	9°  B  23'08 1°39'59
	6873 Oct 15 12:53	0° 	minimum elong	6874 Sep 27 04:29	9°  B  17'44 1°39'57
max. Earth dist.	6873 Oct 16 23:29	2°  B  56'00 1.34819 AU	max. Earth dist.	6874 Sep 29 20:32	14°  B  59'42 1.33410 AU
evening rise	6873 Oct 21 07:21	11°  B  26'46	evening rise	6874 Oct 04 20:22	25°  B  16'09
	6873 Oct 31 17:15	0° 		6874 Oct 07 06:15	0° 
desc. node	6873 Nov 01 07:22	0°  A  58'09	desc. node	6874 Oct 19 04:25	20°  B  57'20
	6873 Nov 22 06:57	0° 		6874 Oct 25 04:15	0° 
evening max el	6873 Nov 25 11:56	3°  B  17'38 26°47'56	evening max el	6874 Nov 08 00:36	16°  A  43'47 27°21'29
retrograde	6873 Dec 08 14:52	10°  B  35'08	retrograde	6874 Nov 21 13:15	24°  A  02'12
evening set	6873 Dec 15 04:40	7°  B  58'25	evening set	6874 Nov 28 12:25	21°  A  25'26
min. Earth dist.	6873 Dec 19 05:28	3°  B  56'10 0.65891 AU	min. Earth dist.	6874 Dec 02 07:49	17°  A  56'55 0.64415 AU

inferior conj	6874 Dec 04 17:10	15° ♊ 24'14	-2°00'28	min. Earth dist.	6875 Nov 15 00:10	1° ♊ 29'38	0.62626 AU
minimum elong	6874 Dec 04 20:48	15° ♊ 14'32	1°58'56		6875 Nov 16 14:10	30° ♋	
asc. node	6874 Dec 10 17:54	10° ♊ 13'19		inferior conj	6875 Nov 17 20:32	28° ♋ 47'05	-3°07'23
morning rise	6874 Dec 11 06:38	9° ♊ 58'25		minimum elong	6875 Nov 18 02:12	28° ♋ 33'33	3°05'20
direct	6874 Dec 13 19:19	9° ♊ 25'41		morning rise	6875 Nov 24 22:00	23° ♋ 38'52	
morning max el	6874 Dec 20 06:33	12° ♊ 49'31	17°54'06	direct	6875 Nov 27 05:52	23° ♋ 14'11	
	6875 Jan 01 05:25	0° ♋		asc. node	6875 Nov 27 14:56	23° ♋ 14'51	
morning set	6875 Jan 06 09:45	8° ♋ 42'41		morning max el	6875 Dec 03 23:27	26° ♋ 40'54	17°48'57
desc. node	6875 Jan 15 03:41	23° ♋ 17'31			6875 Dec 06 20:41	0° ♋	
	6875 Jan 19 06:41	0° ♋		morning set	6875 Dec 19 23:24	21° ♋ 28'54	
					6875 Dec 24 19:23	0° ♋	
superior conj	6875 Jan 19 19:15	0° ♋ 50'39	-0°32'41	superior conj	6875 Dec 31 10:56	11° ♋ 24'10	0°11'21
minimum elong	6875 Jan 19 15:26	0° ♋ 35'18	0°32'06	minimum elong	6875 Dec 31 12:02	11° ♋ 28'50	0°11'15
max. Earth dist.	6875 Jan 24 14:49	8° ♋ 31'21	1.44917 AU	behind sun begin	6875 Dec 31 05:32	11° ♋ 01'28	
evening rise	6875 Feb 04 20:08	25° ♋ 59'18		behind sun end	6875 Dec 31 18:32	11° ♋ 56'08	
	6875 Feb 07 10:58	0° ♌		desc. node	6876 Jan 02 00:42	14° ♋ 02'09	
greatest brilliancy	6875 Feb 19 14:59	18° ♌ 17'05	-0.6m	max. Earth dist.	6876 Jan 07 07:39	22° ♋ 42'15	1.43722 AU
	6875 Feb 28 02:58	0° ♌			6876 Jan 11 21:31	0° ♋	
evening max el	6875 Mar 03 21:10	4° ♌ 18'22	20°10'16	evening rise	6876 Jan 15 07:58	5° ♋ 21'58	
asc. node	6875 Mar 08 17:04	8° ♌ 04'50			6876 Jan 31 20:03	0° ♌	
retrograde	6875 Mar 11 15:37	8° ♌ 49'41		evening max el	6876 Feb 14 19:34	17° ♌ 55'31	21°18'49
evening set	6875 Mar 15 11:39	7° ♌ 24'20		retrograde	6876 Feb 23 13:49	23° ♌ 06'37	
inferior conj	6875 Mar 20 20:12	1° ♌ 20'41	3°09'06	asc. node	6876 Feb 23 14:08	23° ♌ 06'37	
minimum elong	6875 Mar 20 18:25	1° ♌ 26'44	3°08'48	evening set	6876 Feb 27 19:35	21° ♌ 26'08	
min. Earth dist.	6875 Mar 21 16:00	0° ♌ 13'38	0.67476 AU	inferior conj	6876 Mar 04 03:15	15° ♌ 11'04	2°43'35
	6875 Mar 21 20:03	30° ♌		minimum elong	6876 Mar 04 01:00	15° ♌ 18'54	2°43'02
morning rise	6875 Mar 26 00:58	25° ♌ 05'13		min. Earth dist.	6876 Mar 04 10:01	14° ♌ 47'36	0.68086 AU
direct	6875 Mar 31 19:30	22° ♌ 30'31		morning rise	6876 Mar 09 06:15	8° ♌ 58'05	
morning max el	6875 Apr 12 09:58	29° ♌ 27'07	24°47'13	direct	6876 Mar 14 10:43	6° ♌ 41'59	
	6875 Apr 12 22:48	0° ♌		morning max el	6876 Mar 24 19:19	12° ♌ 51'17	23°18'00
desc. node	6875 Apr 13 03:06	0° ♌ 11'11		desc. node	6876 Mar 30 00:07	18° ♌ 41'15	
	6875 May 05 07:11	0° ♍			6876 Apr 07 13:56	0° ♌	
morning set	6875 May 18 10:09	21° ♍ 45'17			6876 Apr 27 04:06	0° ♍	
max. Earth dist.	6875 May 22 00:56	28° ♍ 16'15	1.37142 AU	morning set	6876 Apr 28 17:33	2° ♍ 36'12	
	6875 May 22 23:27	0° ♍		max. Earth dist.	6876 May 02 20:52	9° ♍ 40'30	1.39345 AU
superior conj	6875 May 28 16:09	10° ♍ 50'11	-1°06'10	superior conj	6876 May 10 11:32	23° ♍ 21'25	-1°35'08
minimum elong	6875 May 28 20:02	11° ♍ 09'10	1°05'34	minimum elong	6876 May 10 16:50	23° ♍ 45'58	1°34'31
asc. node	6875 Jun 04 16:14	24° ♍ 46'30			6876 May 14 00:23	0° ♍	
evening rise	6875 Jun 06 03:41	27° ♍ 44'15		evening rise	6876 May 19 22:30	11° ♍ 22'55	
	6875 Jun 07 06:54	0° ♎		asc. node	6876 May 21 13:18	14° ♍ 29'22	
evening max el	6875 Jun 23 01:27	25° ♎ 17'27	19°24'26		6876 May 30 06:42	0° ♎	
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evening set	6875 Jul 04 08:42	29° ♎ 44'29		retrograde	6876 Jun 13 01:45	11° ♎ 25'01	
desc. node	6875 Jul 10 02:21	27° ♎ 25'35		evening set	6876 Jun 15 04:33	11° ♎ 09'15	
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minimum elong	6875 Jul 12 21:34	25° ♎ 41'10	0°51'51	minimum elong	6876 Jun 23 01:55	6° ♎ 40'24	0°51'22
min. Earth dist.	6875 Jul 15 13:51	23° ♎ 57'15	0.55788 AU	desc. node	6876 Jun 25 23:24	4° ♎ 29'02	
morning rise	6875 Jul 21 07:46	20° ♎ 59'39		min. Earth dist.	6876 Jun 26 07:18	4° ♎ 14'40	0.57486 AU
direct	6875 Jul 26 04:01	20° ♎ 06'36		morning rise	6876 Jun 30 19:51	1° ♎ 29'19	
morning max el	6875 Aug 09 05:46	27° ♎ 12'13	25°09'35	direct	6876 Jul 06 12:54	0° ♎ 07'52	
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	6875 Aug 31 06:36	0° ♏			6876 Aug 06 14:28	0° ♏	
asc. node	6875 Aug 31 15:35	0° ♏ 44'36		asc. node	6876 Aug 17 12:37	20° ♏ 28'35	
morning set	6875 Sep 04 17:42	9° ♏ 10'57		morning set	6876 Aug 19 04:00	23° ♏ 54'40	
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superior conj	6875 Sep 11 15:12	24° ♏ 12'32	1°31'47	superior conj	6876 Aug 26 02:48	9° ♏ 04'46	1°18'21
minimum elong	6875 Sep 11 13:22	24° ♏ 02'28	1°31'37	minimum elong	6876 Aug 26 00:34	8° ♏ 52'23	1°18'01
max. Earth dist.	6875 Sep 13 01:14	27° ♏ 18'42	1.32428 AU	max. Earth dist.	6876 Aug 26 10:37	9° ♏ 48'02	1.31884 AU
	6875 Sep 14 06:55	0° ♐		evening rise	6876 Sep 01 23:43	24° ♏ 01'51	
evening rise	6875 Sep 18 18:46	9° ♐ 30'32			6876 Sep 04 21:07	0° ♐	
	6875 Sep 29 14:25	0° ♐		desc. node	6876 Sep 21 22:31	29° ♐ 16'36	
desc. node	6875 Oct 06 01:28	10° ♐ 27'25			6876 Sep 22 10:58	0° ♐	
evening max el	6875 Oct 21 10:37	29° ♐ 41'16	27°26'18	evening max el	6876 Oct 02 15:25	11° ♐ 57'26	26°58'09
	6875 Oct 21 18:36	0° ♑		retrograde	6876 Oct 16 12:52	19° ♐ 07'52	
retrograde	6875 Nov 04 04:49	6° ♑ 56'14					
evening set	6875 Nov 11 08:17	4° ♑ 28'36					

























































































































evening set	6876 Oct 23 12:17	17° \mathbb{M} 00'49		evening set	6877 Oct 02 00:47	30° \mathbb{R} $\underline{\Omega}$	
min. Earth dist.	6876 Oct 27 05:46	14° \mathbb{M} 21'40	0.60605 AU	min. Earth dist.	6877 Oct 04 19:32	28° $\underline{\Omega}$ 55'08	
inferior conj	6876 Oct 30 09:52	11° \mathbb{M} 42'35	-4°11'17	inferior conj	6877 Oct 09 01:42	26° $\underline{\Omega}$ 19'51	0.58524 AU
minimum elong	6876 Oct 30 16:42	11° \mathbb{M} 28'13	4°09'24	minimum elong	6877 Oct 12 05:43	24° $\underline{\Omega}$ 01'36	-5°02'55
morning rise	6876 Nov 06 23:21	6° \mathbb{M} 55'11		morning rise	6877 Oct 12 11:22	23° $\underline{\Omega}$ 51'16	5°01'59
direct	6876 Nov 09 05:28	6° \mathbb{M} 35'19		direct	6877 Oct 20 05:31	19° $\underline{\Omega}$ 36'49	
asc. node	6876 Nov 13 12:00	7° \mathbb{M} 50'07		morning max el	6877 Oct 22 13:53	19° $\underline{\Omega}$ 18'49	
morning max el	6876 Nov 16 13:17	10° \mathbb{M} 13'44	18°02'31	asc. node	6877 Oct 30 20:29	23° $\underline{\Omega}$ 18'20	18°36'22
	6876 Nov 29 12:29	0° \mathbb{A}		morning set	6877 Oct 31 09:02	23° $\underline{\Omega}$ 49'22	
morning set	6876 Dec 02 05:56	5° \mathbb{A} 02'35			6877 Nov 05 06:20	0° \mathbb{M}	
					6877 Nov 16 00:18	19° \mathbb{M} 09'26	
					6877 Nov 21 14:47	0° \mathbb{A}	
superior conj	6876 Dec 12 04:14	23° \mathbb{A} 11'34	0°47'47	superior conj	6877 Nov 24 18:58	6° \mathbb{A} 00'47	1°14'32
minimum elong	6876 Dec 12 07:37	23° \mathbb{A} 26'37	0°47'23	minimum elong	6877 Nov 24 22:27	6° \mathbb{A} 17'03	1°14'11
	6876 Dec 16 01:49	0° \mathbb{B}		max. Earth dist.	6877 Dec 02 02:32	19° \mathbb{A} 14'48	1.39934 AU
desc. node	6876 Dec 18 21:41	4° \mathbb{B} 48'15		desc. node	6877 Dec 05 18:42	25° \mathbb{A} 32'48	
max. Earth dist.	6876 Dec 19 19:27	6° \mathbb{B} 19'21	1.41990 AU	evening rise	6877 Dec 06 06:00	26° \mathbb{A} 20'14	
evening rise	6876 Dec 25 08:23	15° \mathbb{B} 21'56			6877 Dec 08 10:59	0° \mathbb{B}	
	6877 Jan 03 19:12	0° \approx			6877 Dec 28 11:12	0° \approx	
	6877 Jan 26 01:02	0° \mathbb{H}		evening max el	6878 Jan 10 03:20	15° \approx 16'56	23°56'02
evening max el	6877 Jan 27 13:01	1° \mathbb{H} 34'11	22°35'58	retrograde	6878 Jan 21 03:18	21° \approx 45'18	
retrograde	6877 Feb 06 10:11	7° \mathbb{H} 26'19		evening set	6878 Jan 26 08:33	19° \approx 35'02	
asc. node	6877 Feb 09 11:13	6° \mathbb{H} 38'50		asc. node	6878 Jan 27 08:16	18° \approx 40'10	
evening set	6877 Feb 11 03:04	5° \mathbb{H} 30'44		min. Earth dist.	6878 Jan 31 03:08	14° \approx 03'34	0.68094 AU
	6877 Feb 15 20:31	30° \mathbb{R} \approx		inferior conj	6878 Jan 31 19:33	13° \approx 07'46	1°26'29
inferior conj	6877 Feb 16 11:39	29° \approx 07'33	2°09'04	minimum elong	6878 Jan 31 17:43	13° \approx 13'59	1°25'51
minimum elong	6877 Feb 16 09:23	29° \approx 15'26	2°08'22	morning rise	6878 Feb 06 02:54	7° \approx 04'07	
min. Earth dist.	6877 Feb 16 06:30	29° \approx 25'27	0.68283 AU	direct	6878 Feb 10 03:27	5° \approx 32'26	
morning rise	6877 Feb 21 15:34	22° \approx 58'25		morning max el	6878 Feb 18 03:05	10° \approx 05'50	20°31'57
direct	6877 Feb 26 05:43	21° \approx 04'17		desc. node	6878 Mar 03 18:05	27° \approx 38'37	
morning max el	6877 Mar 07 07:56	26° \approx 22'59	21°50'28		6878 Mar 05 09:00	0° \mathbb{H}	
	6877 Mar 10 15:29	0° \mathbb{H}		morning set	6878 Mar 19 00:13	20° \mathbb{H} 35'37	
desc. node	6877 Mar 16 21:06	7° \mathbb{H} 54'13			6878 Mar 24 24:00	0° \mathbb{Y}	
	6877 Apr 01 02:50	0° \mathbb{Y}		max. Earth dist.	6878 Mar 28 01:40	4° \mathbb{Y} 54'51	1.43396 AU
morning set	6877 Apr 08 21:04	12° \mathbb{Y} 08'22					
max. Earth dist.	6877 Apr 14 19:42	21° \mathbb{Y} 50'21	1.41521 AU	superior conj	6878 Apr 03 12:57	15° \mathbb{Y} 31'07	-2°10'13
	6877 Apr 19 15:24	0° \mathbb{B}		minimum elong	6878 Apr 03 14:22	15° \mathbb{Y} 36'58	2°10'13
superior conj	6877 Apr 22 11:59	4° \mathbb{B} 58'11	-1°58'16		6878 Apr 12 00:53	0° \mathbb{B}	
minimum elong	6877 Apr 22 16:58	5° \mathbb{B} 20'08	1°57'57	evening rise	6878 Apr 15 20:23	6° \mathbb{B} 40'15	
evening rise	6877 May 03 05:31	24° \mathbb{B} 24'51		asc. node	6878 Apr 25 07:23	22° \mathbb{B} 56'28	
	6877 May 06 06:24	0° \mathbb{I}			6878 Apr 30 02:02	0° \mathbb{I}	
asc. node	6877 May 08 10:21	3° \mathbb{I} 54'47		evening max el	6878 May 02 23:41	3° \mathbb{I} 20'45	18°06'12
evening max el	6877 May 19 11:13	20° \mathbb{I} 12'48	18°12'28	retrograde	6878 May 09 11:17	6° \mathbb{I} 41'55	
retrograde	6877 May 26 10:53	23° \mathbb{I} 43'46		evening set	6878 May 12 04:37	6° \mathbb{I} 05'47	
evening set	6877 May 28 21:04	23° \mathbb{I} 19'03		inferior conj	6878 May 18 13:58	1° \mathbb{I} 00'17	2°56'57
inferior conj	6877 Jun 04 21:42	18° \mathbb{I} 33'32	2°08'50	minimum elong	6878 May 18 16:36	0° \mathbb{I} 53'36	2°56'25
minimum elong	6877 Jun 05 00:57	18° \mathbb{I} 26'21	2°07'51		6878 May 19 13:32	30° \mathbb{R} \mathbb{B}	
min. Earth dist.	6877 Jun 08 06:56	15° \mathbb{I} 34'58	0.59621 AU	min. Earth dist.	6878 May 21 14:24	27° \mathbb{B} 57'22	0.61853 AU
morning rise	6877 Jun 12 01:55	12° \mathbb{I} 49'41		morning rise	6878 May 25 02:41	24° \mathbb{B} 58'06	
desc. node	6877 Jun 12 20:26	12° \mathbb{I} 23'54		desc. node	6878 May 30 17:27	22° \mathbb{B} 38'21	
direct	6877 Jun 18 11:34	10° \mathbb{I} 54'59		direct	6878 May 31 21:00	22° \mathbb{B} 34'20	
morning max el	6877 Jul 02 20:27	18° \mathbb{I} 47'33	27°34'21		6878 Jun 14 10:43	0° \mathbb{I}	
	6877 Jul 12 07:12	0° \mathbb{E}		morning max el	6878 Jun 15 00:56	0° \mathbb{I} 35'00	27°54'29
	6877 Jul 30 07:09	0° \mathbb{Q}			6878 Jul 06 10:06	0° \mathbb{E}	
morning set	6877 Aug 03 11:12	8° \mathbb{Q} 27'08		morning set	6878 Jul 18 13:18	22° \mathbb{E} 41'51	
asc. node	6877 Aug 04 09:39	10° \mathbb{Q} 25'06		asc. node	6878 Jul 22 06:38	0° \mathbb{Q} 28'46	
max. Earth dist.	6877 Aug 09 21:13	22° \mathbb{Q} 18'51	1.31782 AU		6878 Jul 22 01:14	0° \mathbb{Q}	
				max. Earth dist.	6878 Jul 24 05:12	4° \mathbb{Q} 39'13	1.32135 AU
superior conj	6877 Aug 10 14:28	23° \mathbb{Q} 54'12	1°00'11	superior conj	6878 Jul 26 00:22	8° \mathbb{Q} 34'25	0°37'44
minimum elong	6877 Aug 10 12:17	23° \mathbb{Q} 42'09	0°59'46	minimum elong	6878 Jul 25 22:45	8° \mathbb{Q} 25'32	0°37'20
	6877 Aug 13 08:38	0° \mathbb{P}		evening rise	6878 Aug 01 20:16	23° \mathbb{Q} 28'20	
evening rise	6877 Aug 17 08:55	8° \mathbb{P} 43'26			6878 Aug 04 23:03	0° \mathbb{P}	
	6877 Aug 28 07:11	0° $\underline{\Omega}$			6878 Aug 23 07:18	0° $\underline{\Omega}$	
desc. node	6877 Sep 08 19:33	17° $\underline{\Omega}$ 08'38		desc. node	6878 Aug 26 16:37	3° $\underline{\Omega}$ 40'06	
evening max el	6877 Sep 14 12:59	23° $\underline{\Omega}$ 24'56	25°57'08	evening max el	6878 Aug 27 03:18	4° $\underline{\Omega}$ 06'07	24°30'11
	6877 Sep 24 22:11	0° \mathbb{M}					
retrograde	6877 Sep 28 11:49	0° \mathbb{M} 30'21					

retrograde	6878 Sep 09 23:01	11°♄03'06		evening max el	6879 Aug 08 15:21	14°♄23'06	22°51'44
evening set	6878 Sep 15 02:04	10°♄04'39		desc. node	6879 Aug 13 13:38	18°♄21'17	
min. Earth dist.	6878 Sep 20 14:23	7°♄14'47	0.56647 AU	retrograde	6879 Aug 21 21:35	21°♄00'22	
inferior conj	6878 Sep 23 05:26	5°♄34'47	-5°27'22	evening set	6879 Aug 25 12:15	20°♄31'50	
minimum elong	6878 Sep 23 06:07	5°♄33'42	5°27'21	min. Earth dist.	6879 Sep 01 23:30	17°♄11'15	0.55289 AU
morning rise	6878 Oct 01 12:24	1°♄31'30		inferior conj	6879 Sep 03 10:04	16°♄21'40	-5°06'40
direct	6878 Oct 04 03:40	1°♄12'38		minimum elong	6879 Sep 03 03:44	16°♄30'47	5°05'46
morning max el	6878 Oct 13 17:29	5°♄43'14	19°32'04	morning rise	6879 Sep 11 21:18	12°♄32'11	
asc. node	6878 Oct 18 06:02	10°♄56'34		direct	6879 Sep 14 23:01	12°♄10'13	
	6878 Oct 29 06:58	0°♄		morning max el	6879 Sep 26 02:02	17°♄21'43	20°49'50
morning set	6878 Oct 31 02:37	3°♄37'36		asc. node	6879 Oct 05 03:01	28°♄57'22	
					6879 Oct 05 18:23	0°♄	
superior conj	6878 Nov 08 01:48	19°♄35'48	1°31'48	morning set	6879 Oct 15 10:05	18°♄19'25	
minimum elong	6878 Nov 08 04:13	19°♄47'41	1°31'39		6879 Oct 21 00:46	0°♄	
	6878 Nov 13 12:07	0°♄					
max. Earth dist.	6878 Nov 14 07:55	1°♄31'46	1.37797 AU	superior conj	6879 Oct 22 20:14	3°♄44'12	1°40'36
evening rise	6878 Nov 18 01:40	8°♄17'12		minimum elong	6879 Oct 22 21:14	3°♄49'18	1°40'36
desc. node	6878 Nov 22 15:44	16°♄11'09		max. Earth dist.	6879 Oct 27 16:30	13°♄27'18	1.35816 AU
	6878 Dec 01 07:07	0°♄		evening rise	6879 Oct 31 16:30	21°♄05'34	
evening max el	6878 Dec 23 16:26	29°♄02'50	25°12'28		6879 Nov 05 15:00	0°♄	
	6878 Dec 24 16:18	0°♄		desc. node	6879 Nov 09 12:45	6°♄38'54	
retrograde	6879 Jan 04 16:03	5°♄58'19			6879 Nov 25 04:52	0°♄	
evening set	6879 Jan 10 10:27	3°♄34'53		evening max el	6879 Dec 06 05:22	12°♄47'27	26°18'00
	6879 Jan 13 19:33	30°♄		retrograde	6879 Dec 18 23:44	19°♄59'41	
asc. node	6879 Jan 14 05:17	29°♄29'39		evening set	6879 Dec 25 07:00	17°♄26'06	
min. Earth dist.	6879 Jan 14 21:30	28°♄37'54	0.67527 AU	min. Earth dist.	6879 Dec 29 11:19	13°♄04'10	0.66592 AU
inferior conj	6879 Jan 16 01:05	27°♄08'09	0°36'29	inferior conj	6879 Dec 31 02:21	11°♄04'56	-0°20'15
minimum elong	6879 Jan 16 00:12	27°♄11'02	0°36'10	minimum elong	6879 Dec 31 02:54	11°♄03'16	0°19'57
morning rise	6879 Jan 21 14:13	21°♄11'58		asc. node	6880 Jan 01 02:19	9°♄52'27	
direct	6879 Jan 25 02:24	20°♄01'09		morning rise	6880 Jan 05 23:28	5°♄18'35	
morning max el	6879 Feb 01 06:15	24°♄00'14	19°27'04	direct	6880 Jan 09 00:54	4°♄25'36	
	6879 Feb 06 09:04	0°♄		morning max el	6880 Jan 15 16:36	8°♄02'42	18°37'52
greatest brilliancy	6879 Feb 14 05:58	11°♄09'57	-0.7m		6880 Jan 31 07:54	0°♄	
desc. node	6879 Feb 18 15:05	17°♄45'46		morning set	6880 Feb 05 14:45	8°♄19'49	
morning set	6879 Feb 25 22:07	28°♄56'44		desc. node	6880 Feb 05 12:04	8°♄09'12	
	6879 Feb 26 14:30	0°♄			6880 Feb 19 09:46	0°♄	
max. Earth dist.	6879 Mar 10 15:08	18°♄46'25	1.44733 AU				
				superior conj	6880 Feb 21 19:26	3°♄45'53	-1°39'52
superior conj	6879 Mar 14 13:02	24°♄59'35	-2°05'05	minimum elong	6880 Feb 21 09:55	3°♄08'34	1°38'58
minimum elong	6879 Mar 14 07:50	24°♄38'47	2°04'51	max. Earth dist.	6880 Feb 21 09:22	3°♄06'23	1.45384 AU
	6879 Mar 17 15:49	0°♄		evening rise	6880 Mar 08 09:38	28°♄24'13	
evening rise	6879 Mar 28 14:39	18°♄01'00			6880 Mar 09 09:37	0°♄	
	6879 Apr 04 19:08	0°♄		greatest brilliancy	6880 Mar 16 13:22	11°♄24'44	-0.8m
asc. node	6879 Apr 12 04:25	11°♄26'54		asc. node	6880 Mar 29 01:28	29°♄15'52	
evening max el	6879 Apr 16 12:44	16°♄43'45	18°18'40		6880 Mar 29 17:57	0°♄	
retrograde	6879 Apr 22 22:28	20°♄09'39		evening max el	6880 Mar 29 23:40	0°♄14'38	18°49'08
evening set	6879 Apr 25 22:37	19°♄20'42		retrograde	6880 Apr 05 16:25	3°♄58'03	
inferior conj	6879 May 01 20:44	13°♄56'33	3°21'25	evening set	6880 Apr 08 23:32	2°♄55'32	
minimum elong	6879 May 01 21:58	13°♄53'02	3°21'16		6880 Apr 12 06:32	30°♄	
min. Earth dist.	6879 May 04 07:03	11°♄11'07	0.63907 AU	inferior conj	6880 Apr 14 14:04	27°♄14'26	3°27'29
morning rise	6879 May 07 20:17	7°♄44'37		minimum elong	6880 Apr 14 13:53	27°♄15'01	3°27'27
direct	6879 May 14 14:56	5°♄02'22		min. Earth dist.	6880 Apr 16 08:54	25°♄01'31	0.65622 AU
desc. node	6879 May 17 14:28	5°♄30'07		morning rise	6880 Apr 20 03:43	20°♄58'25	
morning max el	6879 May 28 09:42	13°♄02'01	27°37'27	direct	6880 Apr 26 16:10	18°♄10'13	
	6879 Jun 10 23:56	0°♄		desc. node	6880 May 03 11:29	20°♄34'37	
	6879 Jun 28 23:04	0°♄		morning max el	6880 May 09 20:07	25°♄57'35	26°48'23
morning set	6879 Jul 02 07:59	6°♄32'13			6880 May 13 13:21	0°♄	
max. Earth dist.	6879 Jul 07 06:52	16°♄38'58	1.32948 AU		6880 Jun 03 13:11	0°♄	
asc. node	6879 Jul 09 03:39	20°♄35'33		morning set	6880 Jun 14 16:07	19°♄48'40	
				max. Earth dist.	6880 Jun 18 22:38	28°♄09'35	1.34231 AU
					6880 Jun 19 20:35	0°♄	
superior conj	6879 Jul 10 06:39	22°♄59'53	0°11'33				
minimum elong	6879 Jul 10 06:05	22°♄56'51	0°11'22	superior conj	6880 Jun 23 07:06	7°♄03'27	-0°17'36
behind sun begin	6879 Jul 10 02:17	22°♄36'25		minimum elong	6880 Jun 23 08:04	7°♄08'27	0°17'28
behind sun end	6879 Jul 10 09:54	23°♄17'18		asc. node	6880 Jun 25 00:39	10°♄40'48	
	6879 Jul 13 12:33	0°♄		evening rise	6880 Jun 30 17:52	22°♄43'48	
evening rise	6879 Jul 17 07:55	8°♄10'44			6880 Jul 04 07:04	0°♄	
	6879 Jul 28 17:12	0°♄					

evening max el	6880 Jul 20 09:43	24° Ω 50'29	21°18'08			6881 Jun 11 13:44	0° \mathfrak{G}	
	6880 Jul 27 23:57	0° \mathfrak{M}		evening rise		6881 Jun 15 00:03	7° \mathfrak{G} 01'25	
desc. node	6880 Jul 30 10:41	0° \mathfrak{M} 39'03				6881 Jun 27 18:18	0° Ω	
retrograde	6880 Aug 01 11:22	0° \mathfrak{M} 48'59		evening max el		6881 Jul 02 16:28	5° Ω 55'20	20°00'15
evening set	6880 Aug 03 20:25	0° \mathfrak{M} 35'54		retrograde		6881 Jul 13 01:57	11° Ω 01'51	
	6880 Aug 06 03:47	30° \mathfrak{K} Ω		evening set		6881 Jul 14 23:16	10° Ω 52'28	
inferior conj	6880 Aug 13 03:32	26° Ω 37'30	-3°52'24	desc. node		6881 Jul 17 07:45	10° Ω 16'23	
minimum elong	6880 Aug 12 18:18	26° Ω 50'27	3°49'46	inferior conj		6881 Jul 23 23:51	6° Ω 52'47	-2°00'44
min. Earth dist.	6880 Aug 13 08:52	26° Ω 30'00	0.54733 AU	minimum elong		6881 Jul 23 18:16	7° Ω 01'13	1°58'42
morning rise	6880 Aug 21 16:57	22° Ω 44'02		min. Earth dist.		6881 Jul 25 20:36	5° Ω 45'25	0.55137 AU
direct	6880 Aug 25 07:38	22° Ω 15'57		morning rise		6881 Aug 01 11:33	2° Ω 34'43	
morning max el	6880 Sep 06 23:00	28° Ω 15'13	22°26'04	direct		6881 Aug 05 19:48	1° Ω 53'27	
	6880 Sep 08 17:19	0° \mathfrak{M}		morning max el		6881 Aug 19 13:00	8° Ω 38'27	24°11'01
asc. node	6880 Sep 21 00:02	17° \mathfrak{M} 39'07				6881 Sep 04 04:11	0° \mathfrak{M}	
	6880 Sep 27 08:22	0° Ω		asc. node		6881 Sep 07 21:03	6° \mathfrak{M} 51'31	
morning set	6880 Sep 28 20:35	3° Ω 08'47		morning set		6881 Sep 13 08:16	18° \mathfrak{M} 00'02	
						6881 Sep 18 21:17	0° Ω	
superior conj	6880 Oct 05 22:44	18° Ω 15'33	1°42'04	superior conj		6881 Sep 20 06:29	3° Ω 00'50	1°37'11
minimum elong	6880 Oct 05 22:23	18° Ω 13'41	1°42'05	minimum elong		6881 Sep 20 05:05	2° Ω 53'13	1°37'06
max. Earth dist.	6880 Oct 09 08:19	25° Ω 22'35	1.34162 AU	max. Earth dist.		6881 Sep 22 08:35	7° Ω 31'32	1.32930 AU
	6880 Oct 11 14:50	0° \mathfrak{M}		evening rise		6881 Sep 27 15:52	18° Ω 36'45	
evening rise	6880 Oct 13 22:30	4° \mathfrak{M} 35'33				6881 Oct 03 12:48	0° \mathfrak{M}	
desc. node	6880 Oct 26 09:47	26° \mathfrak{M} 50'40		desc. node		6881 Oct 13 06:50	16° \mathfrak{M} 38'49	
	6880 Oct 28 09:12	0° \mathfrak{J}				6881 Oct 22 15:51	0° \mathfrak{J}	
evening max el	6880 Nov 17 18:13	26° \mathfrak{J} 23'00	27°05'19	evening max el		6881 Oct 31 05:54	9° \mathfrak{J} 38'22	27°27'27
	6880 Nov 21 23:51	0° \mathfrak{Z}		retrograde		6881 Nov 13 21:46	16° \mathfrak{J} 56'40	
retrograde	6880 Dec 01 01:52	3° \mathfrak{Z} 42'18		evening set		6881 Nov 20 23:23	14° \mathfrak{J} 22'24	
evening set	6880 Dec 07 20:13	1° \mathfrak{Z} 04'13		min. Earth dist.		6881 Nov 24 16:49	11° \mathfrak{J} 07'13	0.63678 AU
	6880 Dec 09 02:25	30° \mathfrak{K} \mathfrak{J}		inferior conj		6881 Nov 27 07:06	8° \mathfrak{J} 28'41	-2°28'52
min. Earth dist.	6880 Dec 11 18:26	27° \mathfrak{J} 16'54	0.65300 AU	minimum elong		6881 Nov 27 11:39	8° \mathfrak{J} 17'07	2°27'04
inferior conj	6880 Dec 13 21:13	24° \mathfrak{J} 53'58	-1°22'39	morning rise		6881 Dec 04 01:36	3° \mathfrak{J} 10'03	
minimum elong	6880 Dec 13 23:39	24° \mathfrak{J} 47'08	1°21'34	asc. node		6881 Dec 04 20:25	2° \mathfrak{J} 54'34	
asc. node	6880 Dec 17 23:21	20° \mathfrak{J} 46'11		direct		6881 Dec 06 11:45	2° \mathfrak{J} 41'18	
morning rise	6880 Dec 20 04:17	19° \mathfrak{J} 20'03		morning max el		6881 Dec 13 01:00	6° \mathfrak{J} 05'42	17°49'43
direct	6880 Dec 22 20:53	18° \mathfrak{J} 41'10				6881 Dec 28 18:52	0° \mathfrak{Z}	
morning max el	6880 Dec 29 07:50	22° \mathfrak{J} 07'13	18°05'14	morning set		6881 Dec 29 13:54	1° \mathfrak{Z} 21'59	
	6881 Jan 04 13:01	0° \mathfrak{Z}		desc. node		6882 Jan 09 06:03	19° \mathfrak{Z} 26'17	
morning set	6881 Jan 16 12:51	19° \mathfrak{Z} 11'46						
desc. node	6881 Jan 22 09:04	28° \mathfrak{Z} 44'15		superior conj		6882 Jan 11 03:08	22° \mathfrak{Z} 31'36	-0°13'25
	6881 Jan 23 03:47	0° \approx		minimum elong		6882 Jan 11 01:39	22° \mathfrak{Z} 25'34	0°13'08
superior conj	6881 Jan 31 02:10	12° \approx 41'00	-0°59'08	behind sun begin		6882 Jan 10 19:59	22° \mathfrak{Z} 02'18	
minimum elong	6881 Jan 30 19:08	12° \approx 13'10	0°58'11	behind sun end		6882 Jan 11 07:20	22° \mathfrak{Z} 48'48	
max. Earth dist.	6881 Feb 03 04:51	17° \approx 35'12	1.45291 AU			6882 Jan 15 17:57	0° \approx	
	6881 Feb 11 03:44	0° \mathfrak{H}		max. Earth dist.		6882 Jan 16 22:59	1° \approx 55'52	1.44479 AU
evening rise	6881 Feb 16 07:37	8° \mathfrak{H} 00'18		evening rise		6882 Jan 26 18:39	17° \approx 16'28	
greatest brilliancy	6881 Mar 01 10:35	28° \mathfrak{H} 06'20	-0.7m			6882 Feb 04 03:53	0° \mathfrak{H}	
	6881 Mar 02 17:13	0° \mathfrak{Y}		evening max el		6882 Feb 24 08:08	27° \mathfrak{H} 26'14	20°38'08
evening max el	6881 Mar 13 06:31	13° \mathfrak{Y} 49'35	19°36'20			6882 Feb 27 04:16	0° \mathfrak{Y}	
asc. node	6881 Mar 15 22:32	16° \mathfrak{Y} 11'32		asc. node		6882 Mar 02 19:37	1° \mathfrak{Y} 59'05	
retrograde	6881 Mar 20 13:53	18° \mathfrak{Y} 01'18		retrograde		6882 Mar 04 12:20	2° \mathfrak{Y} 14'08	
evening set	6881 Mar 24 04:47	16° \mathfrak{Y} 44'35		evening set		6882 Mar 08 12:14	0° \mathfrak{Y} 42'37	
inferior conj	6881 Mar 29 14:47	10° \mathfrak{Y} 48'33	3°19'14			6882 Mar 09 08:24	30° \mathfrak{K} \mathfrak{H}	
minimum elong	6881 Mar 29 13:28	10° \mathfrak{Y} 52'55	3°19'04	inferior conj		6882 Mar 13 20:11	24° \mathfrak{H} 33'54	2°59'27
min. Earth dist.	6881 Mar 30 18:42	9° \mathfrak{Y} 16'16	0.66924 AU	minimum elong		6882 Mar 13 18:09	24° \mathfrak{H} 40'55	2°59'03
morning rise	6881 Apr 03 21:52	4° \mathfrak{Y} 32'01		min. Earth dist.		6882 Mar 14 10:23	23° \mathfrak{H} 45'12	0.67786 AU
direct	6881 Apr 09 23:43	1° \mathfrak{Y} 49'31		morning rise		6882 Mar 18 23:49	18° \mathfrak{H} 19'09	
desc. node	6881 Apr 20 08:30	7° \mathfrak{Y} 19'43		direct		6882 Mar 24 12:33	15° \mathfrak{H} 51'26	
morning max el	6881 Apr 22 05:54	9° \mathfrak{Y} 09'37	25°35'41	morning max el		6882 Apr 04 14:40	22° \mathfrak{H} 29'20	24°09'33
	6881 May 08 15:29	0° \mathfrak{B}		desc. node		6882 Apr 07 05:30	25° \mathfrak{H} 17'26	
	6881 May 27 02:35	0° \mathfrak{I}				6882 Apr 11 04:29	0° \mathfrak{Y}	
morning set	6881 May 28 09:36	2° \mathfrak{I} 20'06		morning set		6882 May 01 23:11	0° \mathfrak{B}	
max. Earth dist.	6881 Jun 01 03:06	9° \mathfrak{I} 15'45	1.35969 AU	max. Earth dist.		6882 May 10 07:08	13° \mathfrak{B} 52'22	
						6882 May 13 23:44	20° \mathfrak{B} 22'21	1.38061 AU
superior conj	6881 Jun 06 23:05	20° \mathfrak{I} 38'18	-0°48'25			6882 May 19 05:34	0° \mathfrak{I}	
minimum elong	6881 Jun 07 01:53	20° \mathfrak{I} 52'23	0°47'57	superior conj		6882 May 21 03:13	3° \mathfrak{I} 36'19	-1°18'53
asc. node	6881 Jun 11 21:42	0° \mathfrak{G} 40'46						

minimum elong	6882 May 21 07:49	3°♊58'17	1°18'14	minimum elong	6883 May 03 20:39	16°♊10'57	1°45'25
evening rise	6882 May 29 23:54	20°♊56'55		evening rise	6883 May 11 07:00	0°♊	
asc. node	6882 May 29 18:46	20°♊31'35		asc. node	6883 May 13 14:10	4°♊21'13	
	6882 Jun 03 16:11	0°♊		evening max el	6883 May 16 15:50	10°♊07'53	
evening max el	6882 Jun 15 11:51	17°♊44'41	19°02'19	evening max el	6883 May 29 16:40	0°♊11'27	18°24'52
retrograde	6882 Jun 24 05:29	22°♊02'36		retrograde	6883 May 29 12:03	0°♊	
evening set	6882 Jun 26 04:49	21°♊50'21		retrograde	6883 Jun 06 04:10	3°♊54'55	
inferior conj	6882 Jul 04 11:55	17°♊36'30	-0°05'21	evening set	6883 Jun 08 10:14	3°♊35'35	
minimum elong	6882 Jul 04 11:41	17°♊36'53	0°05'20		6883 Jun 14 16:05	30°♋♊	
transit middle	6882 Jul 04 11:41	17°♊36'53	0°05'20	inferior conj	6883 Jun 15 21:20	29°♊01'33	1°28'18
transit begin	6882 Jul 04 08:08	17°♊43'03		minimum elong	6883 Jun 16 00:07	28°♊55'54	1°27'20
transit end	6882 Jul 04 15:15	17°♊30'43		min. Earth dist.	6883 Jun 19 07:01	26°♊17'14	0.58365 AU
desc. node	6882 Jul 04 04:48	17°♊48'47		desc. node	6883 Jun 21 01:50	24°♊59'23	
min. Earth dist.	6882 Jul 07 11:30	15°♊33'28	0.56437 AU	morning rise	6883 Jun 23 10:46	23°♊33'37	
morning rise	6882 Jul 12 15:20	12°♊42'49		direct	6883 Jun 29 11:50	21°♊58'14	
direct	6882 Jul 17 20:55	11°♊38'26		morning max el	6883 Jul 13 21:08	29°♊40'42	27°05'40
morning max el	6882 Aug 01 02:38	18°♊58'01	25°49'34		6883 Jul 14 04:58	0°♊	
	6882 Aug 10 09:42	0°♊			6883 Aug 04 07:19	0°♊	
asc. node	6882 Aug 25 18:04	26°♊26'27		asc. node	6883 Aug 12 15:05	16°♊16'33	
	6882 Aug 27 11:33	0°♊		morning set	6883 Aug 13 04:46	17°♊28'19	
morning set	6882 Aug 28 19:34	2°♊48'37			6883 Aug 18 23:19	0°♊	
superior conj	6882 Sep 04 17:16	17°♊53'05	1°26'42	superior conj	6883 Aug 20 05:06	2°♊44'53	1°11'13
minimum elong	6882 Sep 04 15:13	17°♊41'44	1°26'28	minimum elong	6883 Aug 20 02:49	2°♊32'18	1°10'49
max. Earth dist.	6882 Sep 05 15:42	19°♊56'38	1.32144 AU	max. Earth dist.	6883 Aug 20 02:13	2°♊28'55	1.31795 AU
	6882 Sep 10 07:07	0°♊		evening rise	6883 Aug 27 00:30	17°♊37'16	
evening rise	6882 Sep 11 17:27	3°♊00'25			6883 Sep 02 03:13	0°♊	
	6882 Sep 26 07:59	0°♊		desc. node	6883 Sep 17 00:58	24°♊21'01	
desc. node	6882 Sep 30 03:54	5°♊53'43			6883 Sep 21 13:59	0°♊	
evening max el	6882 Oct 13 14:17	22°♊21'00	27°18'34	evening max el	6883 Sep 25 16:21	4°♊17'29	26°35'56
retrograde	6882 Oct 27 10:17	29°♊33'48		retrograde	6883 Oct 09 14:17	11°♊24'52	
evening set	6882 Nov 03 13:03	27°♊13'50		evening set	6883 Oct 16 08:44	9°♊30'22	
min. Earth dist.	6882 Nov 07 04:53	24°♊24'29	0.61786 AU	min. Earth dist.	6883 Oct 20 06:01	6°♊55'05	0.59723 AU
inferior conj	6882 Nov 10 04:58	21°♊41'44	-3°35'19	inferior conj	6883 Oct 23 11:15	4°♊22'58	-4°35'25
minimum elong	6882 Nov 10 11:18	21°♊27'21	3°33'13	minimum elong	6883 Oct 23 17:58	4°♊09'39	4°33'51
morning rise	6882 Nov 17 11:36	16°♊41'40			6883 Oct 30 10:09	30°♋♊	
direct	6882 Nov 19 18:14	16°♊19'26		morning rise	6883 Oct 31 05:24	29°♊44'50	
asc. node	6882 Nov 21 17:26	16°♊36'36		direct	6883 Nov 02 12:07	29°♊25'58	
morning max el	6882 Nov 26 16:57	19°♊50'19	17°52'15		6883 Nov 05 11:42	0°♊	
	6882 Dec 04 04:57	0°♊		asc. node	6883 Nov 08 14:27	1°♊49'01	
morning set	6882 Dec 12 11:28	14°♊30'49		morning max el	6883 Nov 10 04:18	3°♊11'56	18°14'18
	6882 Dec 21 03:47	0°♊		morning set	6883 Nov 25 23:35	28°♊20'21	
superior conj	6882 Dec 23 05:55	3°♊37'04	0°27'56		6883 Nov 26 20:37	0°♊	
minimum elong	6882 Dec 23 08:20	3°♊47'26	0°27'39	superior conj	6883 Dec 05 08:57	15°♊52'31	1°00'21
desc. node	6882 Dec 27 03:04	10°♊12'00		minimum elong	6883 Dec 05 12:36	16°♊09'00	0°59'55
max. Earth dist.	6882 Dec 30 13:48	15°♊53'58	1.43046 AU	max. Earth dist.	6883 Dec 12 23:55	29°♊15'50	1.41147 AU
evening rise	6883 Jan 06 10:19	26°♊51'39			6883 Dec 13 10:21	0°♊	
	6883 Jan 08 10:42	0°♊		desc. node	6883 Dec 14 00:05	0°♊57'59	
	6883 Jan 29 00:15	0°♊		evening rise	6883 Dec 17 19:11	7°♊15'12	
evening max el	6883 Feb 07 04:24	11°♊04'18	21°50'59		6884 Jan 01 14:02	0°♊	
retrograde	6883 Feb 16 09:47	16°♊32'31		evening max el	6884 Jan 20 20:19	24°♊44'50	23°10'03
asc. node	6883 Feb 17 16:41	16°♊23'52			6884 Jan 27 15:47	0°♊	
evening set	6883 Feb 20 20:09	14°♊45'40		retrograde	6884 Jan 31 04:47	0°♊52'46	
inferior conj	6883 Feb 26 04:02	8°♊26'59	2°29'57		6884 Feb 03 11:11	30°♋♊	
minimum elong	6883 Feb 26 01:43	8°♊35'04	2°29'20	asc. node	6884 Feb 04 13:43	29°♊16'55	
min. Earth dist.	6883 Feb 26 05:40	8°♊21'18	0.68223 AU	evening set	6884 Feb 05 02:57	28°♊50'37	
morning rise	6883 Mar 03 07:06	2°♊15'34		min. Earth dist.	6884 Feb 10 02:21	22°♊59'57	0.68251 AU
direct	6883 Mar 08 05:34	0°♊08'22		inferior conj	6884 Feb 10 12:24	22°♊25'19	1°51'55
morning max el	6883 Mar 18 00:45	5°♊55'29	22°40'02	minimum elong	6884 Feb 10 10:15	22°♊32'42	1°51'15
desc. node	6883 Mar 25 02:29	14°♊07'13		morning rise	6884 Feb 15 17:30	16°♊18'35	
	6883 Apr 05 13:49	0°♊		direct	6884 Feb 20 01:47	14°♊34'09	
morning set	6883 Apr 21 02:55	24°♊09'51		morning max el	6884 Feb 28 15:53	19°♊32'00	21°15'44
	6883 Apr 24 14:59	0°♊			6884 Mar 08 08:41	0°♊	
max. Earth dist.	6883 Apr 25 20:12	2°♊03'58	1.40292 AU	desc. node	6884 Mar 10 23:27	3°♊34'49	
					6884 Mar 28 18:12	0°♊	
superior conj	6883 May 03 15:11	15°♊46'10	-1°45'56	morning set	6884 Mar 30 18:52	3°♊10'39	

max. Earth dist.	6884 Apr 06 22:30	14°♈40'06	1.42370 AU		6885 Mar 21 12:15	0°♈	
superior conj	6884 Apr 14 06:08	26°♈56'54	-2°05'04	superior conj	6885 Mar 25 20:11	7°♈00'40	-2°10'26
minimum elong	6884 Apr 14 10:05	27°♈13'51	2°04'54	minimum elong	6885 Mar 25 18:58	6°♈55'42	2°10'25
	6884 Apr 16 00:33	0°♈		evening rise	6885 Apr 07 21:30	28°♈57'57	
evening rise	6884 Apr 25 14:55	17°♈05'08			6885 Apr 08 11:55	0°♈	
asc. node	6884 May 02 12:53	29°♈24'23		asc. node	6885 Apr 19 09:54	18°♈13'44	
	6884 May 02 21:12	0°♈		evening max el	6885 Apr 25 16:17	26°♈21'30	18°09'15
evening max el	6884 May 12 03:18	13°♈06'53	18°07'24	retrograde	6885 May 02 02:08	29°♈43'22	
retrograde	6884 May 18 20:33	16°♈32'08		evening set	6885 May 04 22:15	29°♈02'05	
evening set	6884 May 21 09:49	16°♈02'47		inferior conj	6885 May 11 02:21	23°♈48'31	3°09'52
inferior conj	6884 May 28 03:25	11°♈08'17	2°32'27	minimum elong	6885 May 11 04:25	23°♈42'57	3°09'32
minimum elong	6884 May 28 06:33	11°♈00'52	2°31'38	min. Earth dist.	6885 May 13 21:11	20°♈50'28	0.62753 AU
min. Earth dist.	6884 May 31 09:42	8°♈05'07	0.60573 AU	morning rise	6885 May 17 09:04	17°♈40'57	
morning rise	6884 Jun 04 00:51	5°♈15'15		direct	6885 May 24 04:19	15°♈07'44	
desc. node	6884 Jun 06 22:50	3°♈47'08		desc. node	6885 May 24 19:50	15°♈09'02	
direct	6884 Jun 10 14:58	3°♈07'37		morning max el	6885 Jun 07 05:19	23°♈10'11	27°51'38
morning max el	6884 Jun 24 22:30	11°♈04'25	27°47'41		6885 Jun 13 06:59	0°♈	
	6884 Jul 09 17:22	0°♈			6885 Jul 02 23:48	0°♈	
	6884 Jul 26 11:52	0°♈		morning set	6885 Jul 11 09:22	15°♈59'48	
morning set	6884 Jul 27 10:04	1°♈54'13		asc. node	6885 Jul 16 09:08	26°♈22'33	
asc. node	6884 Jul 29 12:07	6°♈16'49		max. Earth dist.	6885 Jul 16 18:04	27°♈10'18	1.32417 AU
max. Earth dist.	6884 Aug 02 12:22	14°♈57'41	1.31883 AU		6885 Jul 18 01:37	0°♈	
superior conj	6884 Aug 03 16:12	17°♈30'55	0°51'10	superior conj	6885 Jul 19 00:49	2°♈05'40	0°27'03
minimum elong	6884 Aug 03 14:12	17°♈19'53	0°50'44	minimum elong	6885 Jul 18 23:35	1°♈58'57	0°26'44
	6884 Aug 09 08:37	0°♈		evening rise	6885 Jul 25 22:31	17°♈05'23	
evening rise	6884 Aug 10 10:50	2°♈20'58			6885 Aug 01 06:39	0°♈	
	6884 Aug 25 06:07	0°♈		evening max el	6885 Aug 18 22:40	25°♈50'13	23°48'44
desc. node	6884 Sep 02 22:00	11°♈41'58		desc. node	6885 Aug 20 19:02	27°♈30'58	
evening max el	6884 Sep 06 10:22	15°♈23'06	25°22'24		6885 Aug 24 03:38	0°♈	
retrograde	6884 Sep 20 08:21	22°♈25'49		retrograde	6885 Sep 01 14:46	2°♈41'44	
evening set	6884 Sep 26 05:40	21°♈05'52		evening set	6885 Sep 06 02:23	1°♈57'31	
min. Earth dist.	6884 Sep 30 22:04	18°♈26'54	0.57689 AU		6885 Sep 10 12:20	30°♈	
inferior conj	6884 Oct 03 22:38	16°♈22'48	-5°17'38	min. Earth dist.	6885 Sep 12 08:59	28°♈56'07	0.55982 AU
minimum elong	6884 Oct 04 02:39	16°♈15'53	5°17'13	inferior conj	6885 Sep 14 13:51	27°♈36'12	-5°25'03
morning rise	6884 Oct 12 01:58	12°♈07'58		minimum elong	6885 Sep 14 11:30	27°♈39'46	5°24'56
direct	6884 Oct 14 12:49	11°♈49'53		morning rise	6885 Sep 22 22:56	23°♈40'25	
morning max el	6884 Oct 23 07:33	16°♈00'50	18°57'23	direct	6885 Sep 25 18:01	23°♈20'42	
asc. node	6884 Oct 25 11:27	18°♈18'54		morning max el	6885 Oct 05 23:35	28°♈07'47	20°02'33
	6884 Nov 02 06:00	0°♈			6885 Oct 07 19:37	0°♈	
morning set	6884 Nov 08 21:41	12°♈37'17		asc. node	6885 Oct 12 08:28	5°♈51'07	
				morning set	6885 Oct 24 02:30	27°♈12'33	
superior conj	6884 Nov 17 07:09	29°♈03'13	1°22'58		6885 Oct 25 11:19	0°♈	
minimum elong	6884 Nov 17 10:16	29°♈18'05	1°22'42	superior conj	6885 Oct 31 19:29	12°♈54'45	1°36'29
	6884 Nov 17 19:04	0°♈		minimum elong	6885 Oct 31 21:19	13°♈03'53	1°36'25
max. Earth dist.	6884 Nov 24 05:49	11°♈54'00	1.39017 AU	max. Earth dist.	6885 Nov 06 11:33	23°♈58'04	1.36920 AU
evening rise	6884 Nov 28 02:17	18°♈38'32			6885 Nov 09 17:33	0°♈	
desc. node	6884 Nov 29 21:06	21°♈40'22		evening rise	6885 Nov 10 06:40	0°♈59'26	
	6884 Dec 04 22:56	0°♈		desc. node	6885 Nov 16 18:09	12°♈15'21	
	6884 Dec 25 21:34	0°♈			6885 Nov 28 02:58	0°♈	
evening max el	6885 Jan 02 09:40	8°♈28'23	24°29'23	evening max el	6885 Dec 15 22:31	22°♈14'33	25°42'03
retrograde	6885 Jan 13 20:13	15°♈10'00		retrograde	6885 Dec 28 07:06	29°♈19'17	
evening set	6885 Jan 19 07:05	12°♈53'35		evening set	6886 Jan 03 06:58	26°♈51'01	
asc. node	6885 Jan 21 10:44	10°♈43'45		min. Earth dist.	6886 Jan 07 15:02	22°♈08'45	0.67172 AU
min. Earth dist.	6885 Jan 23 22:12	7°♈36'53	0.67895 AU	asc. node	6886 Jan 08 07:44	21°♈15'51	
inferior conj	6885 Jan 24 19:29	6°♈25'46	1°06'07	inferior conj	6886 Jan 08 23:28	20°♈25'42	0°13'13
minimum elong	6885 Jan 24 17:59	6°♈30'46	1°05'36	minimum elong	6886 Jan 08 23:08	20°♈26'47	0°13'08
morning rise	6885 Jan 30 05:02	0°♈25'15		transit middle	6886 Jan 08 23:08	20°♈26'47	0°13'08
	6885 Jan 30 20:11	30°♈		transit begin	6886 Jan 08 21:29	20°♈32'00	
direct	6885 Feb 03 00:03	29°♈02'58		transit end	6886 Jan 09 00:46	20°♈21'34	
	6885 Feb 06 08:39	0°♈		morning rise	6886 Jan 14 15:45	14°♈33'17	
morning max el	6885 Feb 10 14:31	3°♈20'26	20°02'35	direct	6886 Jan 17 23:01	13°♈30'36	
desc. node	6885 Feb 25 20:26	23°♈29'35		morning max el	6886 Jan 24 20:57	17°♈19'18	19°04'04
	6885 Mar 02 04:51	0°♈			6886 Feb 03 16:27	0°♈	
morning set	6885 Mar 09 16:37	11°♈26'03		greatest brilliancy	6886 Feb 07 19:51	6°♈12'42	-0.8m
max. Earth dist.	6885 Mar 20 07:44	28°♈05'55	1.44035 AU				

desc. node	6886 Feb 12 17:26	13°  44'31	direct	6887 Jan 01 20:51	27°  51'47	
morning set	6886 Feb 16 19:57	20°  06'26		6887 Jan 06 20:49	0° 	
	6886 Feb 23 04:30	0° 	morning max el	6887 Jan 08 09:38	1°  23'04	18°21'49
max. Earth dist.	6886 Mar 02 22:53	12°  09'13 1.45100 AU		6887 Jan 27 23:06	0° 	
			morning set	6887 Jan 28 00:52	0°  07'05	
superior conj	6886 Mar 05 11:10	16°  06'45 -1°56'46	desc. node	6887 Jan 30 14:28	4°  13'31	
minimum elong	6886 Mar 05 03:26	15°  36'11 1°56'15				
	6886 Mar 14 04:00	0° 	superior conj	6887 Feb 12 15:13	24°  50'08 -1°23'55	
evening rise	6886 Mar 20 05:56	9°  53'23	minimum elong	6887 Feb 12 05:59	24°  13'53 1°22'53	
	6886 Apr 01 17:11	0° 	max. Earth dist.	6887 Feb 13 18:02	26°  35'10 1.45442 AU	
asc. node	6886 Apr 06 06:56	6°  27'40		6887 Feb 15 22:22	0° 	
evening max el	6886 Apr 09 04:42	9°  48'16 18°29'33	evening rise	6887 Feb 28 15:15	19°  35'14	
retrograde	6886 Apr 15 16:30	13°  20'08		6887 Mar 07 01:28	0° 	
evening set	6886 Apr 18 19:31	12°  25'36	greatest brilliancy	6887 Mar 11 02:41	6°  18'13 -0.8m	
inferior conj	6886 Apr 24 14:01	6°  54'20 3°25'57	evening max el	6887 Mar 23 14:13	23°  21'56 19°07'19	
minimum elong	6886 Apr 24 14:38	6°  52'31 3°25'53	asc. node	6887 Mar 24 03:58	23°  55'50	
min. Earth dist.	6886 Apr 26 17:54	4°  20'58 0.64686 AU	retrograde	6887 Mar 30 12:11	27°  15'44	
morning rise	6886 Apr 30 08:56	0° 	evening set	6887 Apr 02 22:34	26°  07'11	
	6886 May 01 05:22	30°  00'05	inferior conj	6887 Apr 08 10:51	20°  19'41 3°25'31	
direct	6886 May 07 01:44	27°  53'21	minimum elong	6887 Apr 08 10:08	20°  21'58 3°25'27	
desc. node	6886 May 11 16:51	29°  00'33	min. Earth dist.	6887 Apr 09 23:14	18°  23'24 0.66235 AU	
	6886 May 13 13:18	0° 	morning rise	6887 Apr 13 21:19	14°  03'21	
morning max el	6886 May 20 14:56	5°  49'56 27°19'58	direct	6887 Apr 20 05:50	11°  16'12	
	6886 Jun 08 01:27	0° 	desc. node	6887 Apr 28 13:53	14°  51'46	
morning set	6886 Jun 24 23:59	29°  36'42	morning max el	6887 May 03 01:03	18°  53'12 26°19'44	
	6886 Jun 25 04:45	0° 		6887 May 12 10:46	0° 	
max. Earth dist.	6886 Jun 29 15:33	8°  56'14 1.33426 AU		6887 Jun 01 02:13	0° 	
			morning set	6887 Jun 08 02:26	12°  35'27	
superior conj	6886 Jul 03 04:55	16°  22'33 -0°00'32	max. Earth dist.	6887 Jun 12 02:22	20°  14'35 1.34918 AU	
minimum elong	6886 Jul 03 04:57	16°  22'42 0°00'35		6887 Jun 16 23:12	0° 	
behind sun begin	6886 Jul 02 23:27	15°  53'33				
behind sun end	6886 Jul 03 10:27	16°  51'53	superior conj	6887 Jun 17 02:10	0°  15'13 -0°30'34	
asc. node	6886 Jul 03 06:09	16°  29'07	minimum elong	6887 Jun 17 03:54	0°  24'02 0°30'16	
	6886 Jul 09 13:59	0° 	asc. node	6887 Jun 20 03:12	6°  32'48	
evening rise	6886 Jul 10 09:40	1°  04'41'11	evening rise	6887 Jun 24 18:19	16°  11'43	
	6886 Jul 26 05:41	0° 		6887 Jul 01 18:25	0° 	
evening max el	6886 Jul 31 12:33	6°  08'05 22°10'44	evening max el	6887 Jul 13 11:55	16°  49'36 20°42'47	
desc. node	6886 Aug 07 16:05	11°  15'10	retrograde	6887 Jul 24 20:50	22°  26'07	
retrograde	6886 Aug 13 08:46	12°  30'56	desc. node	6887 Jul 25 13:07	22°  24'59	
evening set	6886 Aug 16 08:49	12°  10'59	evening set	6887 Jul 26 22:58	22°  15'32	
min. Earth dist.	6886 Aug 24 18:13	8°  33'03 0.54935 AU	inferior conj	6887 Aug 05 05:11	18°  18'37 -3°07'46	
inferior conj	6886 Aug 25 12:24	8°  07'29 -4°41'31	minimum elong	6887 Aug 04 20:53	18°  30'28 3°05'02	
minimum elong	6886 Aug 25 03:59	8°  19'20 4°39'46	min. Earth dist.	6887 Aug 06 04:11	17°  45'47 0.54788 AU	
morning rise	6886 Sep 03 00:45	4°  18'28	morning rise	6887 Aug 13 18:34	14°  17'13	
direct	6886 Sep 06 07:35	3°  54'21	direct	6887 Aug 17 16:26	13°  44'27	
morning max el	6886 Sep 18 02:54	9°  26'28 21°28'50	morning max el	6887 Aug 30 19:56	20°  03'32 23°10'24	
asc. node	6886 Sep 29 05:29	24°  10'57		6887 Sep 08 04:22	0° 	
	6886 Oct 02 11:30	0° 	asc. node	6887 Sep 16 02:33	13°  06'58	
morning set	6886 Oct 08 11:31	11°  58'19	morning set	6887 Sep 22 22:46	26°  49'06	
				6887 Sep 24 10:39	0° 	
superior conj	6886 Oct 15 17:45	27°  14'05 1°42'02				
minimum elong	6886 Oct 15 18:09	27°  16'09 1°42'04	superior conj	6887 Sep 29 22:47	11°  51'58 1°40'43	
	6886 Oct 17 01:46	0° 	minimum elong	6887 Sep 29 21:56	11°  47'28 1°40'42	
max. Earth dist.	6886 Oct 19 22:48	5°  50'53 1.35069 AU	max. Earth dist.	6887 Oct 02 18:35	17°  52'18 1.33592 AU	
evening rise	6886 Oct 24 04:30	14°  07'17	evening rise	6887 Oct 07 15:47	27°  51'36	
	6886 Nov 02 01:24	0° 		6887 Oct 08 17:52	0° 	
desc. node	6886 Nov 03 15:12	2°  37'13	desc. node	6887 Oct 21 12:14	22°  39'50	
	6886 Nov 22 22:18	0° 		6887 Oct 26 06:51	0° 	
evening max el	6886 Nov 28 11:42	5°  57'12 26°40'47	evening max el	6887 Nov 11 00:27	19°  26'08 27°18'09	
retrograde	6886 Dec 11 12:33	13°  31'20	retrograde	6887 Nov 24 11:50	26°  44'44	
evening set	6886 Dec 18 00:41	10°  37'23	evening set	6887 Dec 01 09:57	24°  07'19	
min. Earth dist.	6886 Dec 22 02:26	6°  29'58 0.66087 AU	min. Earth dist.	6887 Dec 05 06:03	20°  34'06 0.64657 AU	
inferior conj	6886 Dec 23 22:20	4°  20'05 -0°46'03	inferior conj	6887 Dec 07 13:43	18°  03'43 -1°50'24	
minimum elong	6886 Dec 23 23:37	4° 16'15 0°45'27	minimum elong	6887 Dec 07 17:02	17° 54'45 1°49'00	
asc. node	6886 Dec 26 04:46	1° 34'57	asc. node	6887 Dec 13 01:50	13° 06'16	
	6886 Dec 28 00:28	30° 00'00	morning rise	6887 Dec 14 01:29	12° 35'43	
morning rise	6886 Dec 29 23:26	28° 38'21	direct	6887 Dec 16 15:09	12° 01'28	

morning max el	6887 Dec 23 02:01	15° ♊ 25'26	17°56'26		6888 Nov 21 08:51	30° ♋	
	6888 Jan 02 12:09	0° ♌		morning rise	6888 Nov 26 18:34	26° ♌ 19'19	
morning set	6888 Jan 09 11:09	11° ♍ 34'40		asc. node	6888 Nov 28 22:54	25° ♌ 53'51	
desc. node	6888 Jan 17 11:28	24° ♍ 51'52		direct	6888 Nov 29 02:55	25° ♌ 53'43	
	6888 Jan 20 15:18	0° ♎		morning max el	6888 Dec 05 19:08	29° ♌ 19'29	17°48'34
					6888 Dec 06 10:55	0° ♏	
superior conj	6888 Jan 23 03:54	4° ♎ 03'39	-0°39'40	morning set	6888 Dec 21 21:46	24° ♏ 12'33	
minimum elong	6888 Jan 22 23:13	3° ♎ 44'53	0°38'57		6888 Dec 25 05:00	0° ♐	
max. Earth dist.	6888 Jan 27 13:50	11° ♎ 04'26	1.45036 AU				
evening rise	6888 Feb 08 06:55	29° ♎ 17'39		superior conj	6889 Jan 02 15:43	14° ♐ 26'23	0°05'03
	6888 Feb 08 17:56	0° ♑		minimum elong	6889 Jan 02 16:13	14° ♐ 28'31	0°05'02
greatest brilliancy	6888 Feb 22 20:52	21° ♑ 20'55	-0.6m	behind sun begin	6889 Jan 02 07:26	13° ♐ 51'46	
	6888 Feb 28 23:54	0° ♒		behind sun end	6889 Jan 03 01:01	15° ♐ 05'11	
evening max el	6888 Mar 05 18:57	6° ♒ 57'43	20°01'01	desc. node	6889 Jan 03 08:28	15° ♐ 36'09	
asc. node	6888 Mar 10 01:02	10° ♒ 24'26		max. Earth dist.	6889 Jan 09 07:04	25° ♐ 18'36	1.43936 AU
retrograde	6888 Mar 13 10:20	11° ♒ 23'46			6889 Jan 12 05:38	0° ♓	
evening set	6888 Mar 17 05:00	10° ♒ 00'35		evening rise	6889 Jan 17 18:03	8° ♓ 37'38	
inferior conj	6888 Mar 22 13:50	3° ♒ 58'46	3°12'06		6889 Jan 31 23:54	0° ♑	
minimum elong	6888 Mar 22 12:10	4° ♒ 04'24	3°11'50	evening max el	6889 Feb 16 18:08	20° ♑ 34'38	21°07'55
min. Earth dist.	6888 Mar 23 11:40	2° ♒ 45'15	0.67347 AU	asc. node	6889 Feb 24 22:06	25° ♑ 38'46	
	6888 Mar 25 15:18	30° ♒		retrograde	6889 Feb 25 08:41	25° ♑ 39'48	
morning rise	6888 Mar 27 19:07	27° ♑ 42'59		evening set	6889 Mar 01 12:53	24° ♑ 01'40	
direct	6888 Apr 02 15:34	25° ♑ 06'08		inferior conj	6889 Mar 06 20:33	17° ♑ 48'03	2°48'02
	6888 Apr 12 04:18	0° ♓		minimum elong	6889 Mar 06 18:20	17° ♑ 55'43	2°47'32
desc. node	6888 Apr 14 10:53	2° ♓ 10'36		min. Earth dist.	6889 Mar 07 05:11	17° ♑ 18'06	0.68023 AU
morning max el	6888 Apr 14 10:19	2° ♓ 09'10	25°00'07	morning rise	6889 Mar 11 23:36	11° ♑ 34'28	
	6888 May 05 13:05	0° ♈		direct	6889 Mar 17 06:11	9° ♑ 15'16	
morning set	6888 May 20 12:04	24° ♈ 42'58		morning max el	6889 Mar 27 19:28	15° ♑ 32'21	23°31'18
	6888 May 23 10:09	0° ♉		desc. node	6889 Apr 01 07:52	20° ♑ 32'41	
max. Earth dist.	6888 May 24 03:11	1° ♉ 18'28	1.36833 AU		6889 Apr 08 15:55	0° ♒	
					6889 Apr 28 12:31	0° ♈	
superior conj	6888 May 30 13:32	13° ♉ 35'04	-1°01'32	morning set	6889 May 01 23:17	5° ♈ 44'57	
minimum elong	6888 May 30 17:09	13° ♉ 52'51	1°00'58	max. Earth dist.	6889 May 05 22:57	12° ♈ 36'44	1.39013 AU
asc. node	6888 Jun 06 00:14	26° ♉ 29'09					
evening rise	6888 Jun 07 22:09	0° ♊ 20'42		superior conj	6889 May 13 11:17	26° ♈ 13'19	-1°31'01
	6888 Jun 07 18:02	0° ♊		minimum elong	6889 May 13 16:26	26° ♈ 37'25	1°30'24
evening max el	6888 Jun 25 00:05	28° ♊ 12'14	19°32'59		6889 May 15 11:25	0° ♋	
	6888 Jun 27 00:55	0° ♋		evening rise	6889 May 22 18:21	14° ♋ 03'49	
retrograde	6888 Jul 04 15:51	2° ♋ 57'11		asc. node	6889 May 23 21:16	16° ♋ 14'05	
evening set	6888 Jul 06 12:58	2° ♋ 47'10			6889 May 31 09:34	0° ♌	
desc. node	6888 Jul 11 10:10	1° ♋ 00'00		evening max el	6889 Jun 07 23:49	10° ♌ 17'46	18°43'48
	6888 Jul 13 04:44	30° ♋		retrograde	6889 Jun 16 03:28	14° ♌ 19'25	
inferior conj	6888 Jul 15 06:51	28° ♌ 42'09	-1°10'15	evening set	6889 Jun 18 05:14	14° ♌ 04'43	
minimum elong	6888 Jul 15 03:40	28° ♌ 47'13	1°09'06	inferior conj	6889 Jun 26 03:45	9° ♌ 42'35	0°37'53
min. Earth dist.	6888 Jul 17 16:47	27° ♌ 10'19	0.55594 AU	minimum elong	6889 Jun 26 05:10	9° ♌ 39'57	0°37'18
morning rise	6888 Jul 23 15:54	24° ♌ 09'43		desc. node	6889 Jun 28 07:12	8° ♌ 07'01	
direct	6888 Jul 28 08:54	23° ♌ 20'08		min. Earth dist.	6889 Jun 29 09:36	7° ♌ 19'23	0.57198 AU
	6888 Aug 11 00:06	0° ♍		morning rise	6889 Jul 04 01:39	4° ♌ 33'02	
morning max el	6888 Aug 11 08:57	0° ♍ 20'46	24°54'54	direct	6889 Jul 09 15:50	3° ♌ 16'09	
	6888 Aug 31 17:00	0° ♎		morning max el	6889 Jul 24 00:23	10° ♌ 47'31	26°25'38
asc. node	6888 Sep 01 23:35	2° ♎ 29'29			6889 Aug 07 18:57	0° ♍	
morning set	6888 Sep 06 10:30	11° ♎ 39'31		asc. node	6889 Aug 19 20:35	22° ♍ 11'09	
				morning set	6889 Aug 21 21:03	26° ♍ 24'26	
superior conj	6888 Sep 13 08:03	26° ♎ 40'29	1°33'23		6889 Aug 23 13:20	0° ♏	
minimum elong	6888 Sep 13 06:19	26° ♎ 30'59	1°33'14				
	6888 Sep 14 20:37	0° ♏		superior conj	6889 Aug 28 19:28	11° ♏ 32'48	1°20'43
max. Earth dist.	6888 Sep 14 22:10	0° ♏ 08'29	1.32538 AU	minimum elong	6889 Aug 28 17:16	11° ♏ 20'36	1°20'24
evening rise	6888 Sep 20 12:57	12° ♏ 02'38		max. Earth dist.	6889 Aug 29 06:59	12° ♏ 36'27	1.31932 AU
	6888 Sep 29 22:38	0° ♐		evening rise	6889 Sep 04 17:05	26° ♏ 32'00	
desc. node	6888 Oct 07 09:17	12° ♐ 15'09			6889 Sep 06 09:08	0° ♑	
	6888 Oct 20 23:36	0° ♑			6889 Sep 23 10:28	0° ♒	
evening max el	6888 Oct 23 10:56	2° ♑ 28'42	27°27'41	desc. node	6889 Sep 24 06:20	1° ♒ 11'30	
retrograde	6888 Nov 06 04:37	9° ♑ 44'51		evening max el	6889 Oct 05 16:41	14° ♒ 51'45	27°04'37
evening set	6888 Nov 13 07:53	7° ♑ 15'00		retrograde	6889 Oct 19 13:59	22° ♒ 03'09	
min. Earth dist.	6888 Nov 16 23:58	4° ♑ 12'15	0.62904 AU	evening set	6889 Oct 26 14:32	19° ♒ 52'21	
inferior conj	6888 Nov 19 18:54	1° ♑ 30'11	-2°57'20	min. Earth dist.	6889 Oct 30 07:16	17° ♒ 11'01	0.60909 AU
minimum elong	6888 Nov 20 00:18	1° ♑ 17'05	2°55'18	inferior conj	6889 Nov 02 10:31	14° ♒ 30'22	-4°02'13

minimum elong	6889 Nov 02 17:18	14°♍15'51	4°00'13	inferior conj	6890 Oct 15 09:08	26°♊55'11	-4°56'28
morning rise	6889 Nov 09 22:17	9°♍39'39		minimum elong	6890 Oct 15 15:11	26°♊43'54	4°55'22
direct	6889 Nov 12 04:20	9°♍19'19		morning rise	6890 Oct 23 07:33	22°♊26'49	
asc. node	6889 Nov 15 19:56	10°♍15'07		direct	6890 Oct 25 15:20	22°♊08'40	
morning max el	6889 Nov 19 09:37	12°♍55'40	17°59'15	morning max el	6890 Nov 02 17:56	26°♊04'29	18°29'57
	6889 Nov 30 21:28	0°♊		asc. node	6890 Nov 02 16:56	26°♊02'04	
morning set	6889 Dec 05 02:09	7°♊40'15			6890 Nov 06 04:06	0°♍	
				morning set	6890 Nov 18 18:59	21°♍42'36	
superior conj	6889 Dec 15 05:22	26°♊03'20	0°42'52		6890 Nov 23 02:16	0°♊	
minimum elong	6889 Dec 15 08:35	26°♊17'28	0°42'27				
	6889 Dec 17 11:40	0°♊		superior conj	6890 Nov 27 17:11	8°♊43'39	1°11'06
desc. node	6889 Dec 21 05:29	6°♊22'23		minimum elong	6890 Nov 27 20:45	9°♊00'11	1°10'44
max. Earth dist.	6889 Dec 22 19:30	9°♊00'58	1.42275 AU	max. Earth dist.	6890 Dec 05 03:12	22°♊02'36	1.40255 AU
evening rise	6889 Dec 28 15:52	18°♊30'32		desc. node	6890 Dec 08 02:31	27°♊07'12	
	6890 Jan 05 01:36	0°♋		evening rise	6890 Dec 09 10:05	29°♊19'18	
	6890 Jan 26 16:22	0°♋			6890 Dec 09 19:53	0°♊	
evening max el	6890 Jan 30 12:16	4°♋13'07	22°24'08		6890 Dec 29 13:23	0°♋	
retrograde	6890 Feb 09 05:22	9°♋59'13		evening max el	6891 Jan 13 02:58	17°♋55'13	23°44'11
asc. node	6890 Feb 11 19:09	9°♋25'03		retrograde	6891 Jan 23 22:56	24°♋18'19	
evening set	6890 Feb 13 20:30	8°♋05'57		evening set	6891 Jan 29 02:20	22°♋10'12	
inferior conj	6890 Feb 19 04:51	1°♋43'49	2°14'49	asc. node	6891 Jan 29 16:10	21°♋39'18	
minimum elong	6890 Feb 19 02:33	1°♋51'49	2°14'10	min. Earth dist.	6891 Feb 02 22:09	16°♋33'43	0.68149 AU
min. Earth dist.	6890 Feb 19 01:27	1°♋55'36	0.68283 AU	inferior conj	6891 Feb 03 12:54	15°♋43'23	1°33'26
	6890 Feb 20 11:00	30°♌		minimum elong	6891 Feb 03 10:58	15°♋49'58	1°32'47
morning rise	6890 Feb 24 08:27	25°♋33'56		morning rise	6891 Feb 08 19:35	9°♋38'52	
direct	6890 Mar 01 00:46	23°♋36'18		direct	6891 Feb 12 22:09	8°♋03'49	
morning max el	6890 Mar 10 07:16	29°♋02'21	22°02'59	morning max el	6891 Feb 21 01:15	12°♋43'03	20°42'53
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desc. node	6890 Mar 19 04:51	9°♋39'55			6891 Mar 06 12:59	0°♋	
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morning set	6890 Apr 12 07:01	15°♌28'49			6891 Mar 26 07:59	0°♌	
max. Earth dist.	6890 Apr 17 20:46	24°♌37'59	1.41210 AU	max. Earth dist.	6891 Mar 31 01:51	7°♌35'35	1.43147 AU
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superior conj	6890 Apr 25 14:52	7°♌59'09	-1°55'21	superior conj	6891 Apr 06 19:34	18°♌42'00	-2°09'24
minimum elong	6890 Apr 25 20:05	8°♌22'14	1°54'59	minimum elong	6891 Apr 06 21:46	18°♌51'14	2°09'21
evening rise	6890 May 06 03:22	27°♌11'54			6891 Apr 13 10:09	0°♌	
	6890 May 07 15:35	0°♍		evening rise	6891 Apr 18 20:55	9°♌34'46	
asc. node	6890 May 10 18:18	5°♍42'37		asc. node	6891 Apr 27 15:20	24°♌48'12	
evening max el	6890 May 22 07:38	22°♍58'22	18°15'05		6891 Apr 30 23:12	0°♍	
retrograde	6890 May 29 09:57	26°♍31'56		evening max el	6891 May 05 19:43	6°♍03'14	18°05'55
evening set	6890 May 31 19:05	26°♍08'42		retrograde	6891 May 12 08:23	9°♍24'54	
inferior conj	6890 Jun 07 22:20	21°♍26'15	1°59'04	evening set	6891 May 15 00:44	8°♍50'32	
minimum elong	6890 Jun 08 01:32	21°♍19'19	1°58'04	inferior conj	6891 May 21 12:04	3°♍47'47	2°51'18
min. Earth dist.	6890 Jun 11 08:07	18°♍30'35	0.59290 AU	minimum elong	6891 May 21 14:52	3°♍40'48	2°50'41
morning rise	6890 Jun 15 04:58	15°♍46'15		min. Earth dist.	6891 May 24 14:12	0°♍44'10	0.61525 AU
desc. node	6890 Jun 15 04:11	15°♍47'21			6891 May 25 09:15	30°♌	
direct	6890 Jun 21 12:43	13°♍56'24		morning rise	6891 May 28 03:00	27°♌47'47	
morning max el	6890 Jul 05 21:44	21°♍46'37	27°28'03	desc. node	6891 Jun 02 01:12	25°♌37'49	
	6890 Jul 13 02:32	0°♎		direct	6891 Jun 03 20:31	25°♌27'59	
	6890 Jul 31 17:46	0°♎			6891 Jun 14 05:19	0°♍	
morning set	6890 Aug 06 04:48	10°♎59'06		morning max el	6891 Jun 18 01:25	3°♍27'36	27°53'58
asc. node	6890 Aug 06 17:35	12°♎06'17			6891 Jul 07 16:30	0°♎	
max. Earth dist.	6890 Aug 12 17:38	25°♎08'05	1.31773 AU	morning set	6891 Jul 21 07:48	25°♎16'44	
					6891 Jul 23 14:14	0°♎	
superior conj	6890 Aug 13 07:13	26°♎23'16	1°03'15	asc. node	6891 Jul 24 14:35	2°♎09'05	
minimum elong	6890 Aug 13 05:00	26°♎11'00	1°02'49	max. Earth dist.	6891 Jul 27 02:21	7°♎31'14	1.32057 AU
	6890 Aug 14 22:22	0°♏					
evening rise	6890 Aug 20 01:47	11°♏12'51		superior conj	6891 Jul 28 17:29	11°♎05'01	0°41'24
	6890 Aug 29 14:26	0°♏		minimum elong	6891 Jul 28 15:44	10°♎55'29	0°41'00
desc. node	6890 Sep 11 03:23	19°♏13'25		evening rise	6891 Aug 04 12:56	25°♎57'33	
evening max el	6890 Sep 17 15:28	26°♏26'50	26°08'07		6891 Aug 06 10:49	0°♏	
	6890 Sep 21 22:31	0°♐			6891 Aug 23 21:45	0°♏	
retrograde	6890 Oct 01 14:11	3°♐32'38		desc. node	6891 Aug 29 00:25	5°♏58'32	
evening set	6890 Oct 08 01:04	1°♐52'18		evening max el	6891 Aug 30 06:40	7°♏13'45	24°44'10
	6890 Oct 11 04:11	30°♑		retrograde	6891 Sep 13 03:05	14°♏12'11	
min. Earth dist.	6890 Oct 12 04:32	29°♏17'30	0.58831 AU	evening set	6891 Sep 18 11:17	13°♏08'15	
				min. Earth dist.	6891 Sep 23 17:51	10°♏21'47	0.56908 AU

inferior conj	6891 Sep 26 11:52	8°♌35'11	-5°26'09	evening set	6892 Aug 27 23:45	23°♏41'10	
minimum elong	6891 Sep 26 13:32	8°♌32'28	5°26'05	min. Earth dist.	6892 Sep 04 03:14	20°♏25'58	0.55445 AU
morning rise	6891 Oct 04 18:00	4°♌29'03		inferior conj	6892 Sep 05 19:03	19°♏28'13	-5°13'19
direct	6891 Oct 07 08:05	4°♌10'23		minimum elong	6892 Sep 05 13:40	19°♏36'03	5°12'40
morning max el	6891 Oct 16 16:36	8°♌35'28	19°22'23	morning rise	6892 Sep 14 05:48	15°♏37'43	
asc. node	6891 Oct 20 13:56	12°♌59'39		direct	6892 Sep 17 05:42	15°♏16'27	
	6891 Oct 30 17:40	0°♌		morning max el	6892 Sep 28 03:08	20°♏21'11	20°36'59
morning set	6891 Nov 02 20:17	6°♌07'56			6892 Oct 05 21:18	0°♌	
				asc. node	6892 Oct 06 10:58	0°♌53'12	
superior conj	6891 Nov 10 21:55	22°♌12'32	1°29'45	morning set	6892 Oct 17 03:08	20°♌48'04	
minimum elong	6891 Nov 11 00:32	22°♌25'18	1°29'34		6892 Oct 21 13:40	0°♌	
	6891 Nov 14 23:31	0°♌					
max. Earth dist.	6891 Nov 17 08:43	4°♌25'02	1.38110 AU	superior conj	6892 Oct 24 14:53	6°♌16'45	1°39'45
evening rise	6891 Nov 21 02:33	11°♌07'26		minimum elong	6892 Oct 24 16:06	6°♌22'56	1°39'45
desc. node	6891 Nov 24 23:34	17°♌46'40		max. Earth dist.	6892 Oct 29 16:25	16°♌21'54	1.36090 AU
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	6891 Dec 25 00:34	0°♌			6892 Nov 06 00:53	0°♌	
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asc. node	6892 Jan 16 13:11	2°♌37'26		retrograde	6892 Dec 20 20:57	22°♌36'16	
min. Earth dist.	6892 Jan 17 16:56	1°♌09'01	0.67633 AU	evening set	6892 Dec 27 02:23	20°♌03'48	
inferior conj	6892 Jan 18 18:54	29°♌43'54	0°44'33	min. Earth dist.	6892 Dec 31 07:36	15°♌36'41	0.66751 AU
minimum elong	6892 Jan 18 17:51	29°♌47'24	0°44'10	inferior conj	6893 Jan 01 20:57	13°♌41'21	-0°11'13
	6892 Jan 18 14:00	30°♌		minimum elong	6893 Jan 01 21:15	13°♌40'26	0°11'02
morning rise	6892 Jan 24 07:03	23°♌46'39		transit middle	6893 Jan 01 21:15	13°♌40'26	0°11'02
direct	6892 Jan 27 20:59	22°♌32'54		transit begin	6893 Jan 01 19:10	13°♌46'53	
morning max el	6892 Feb 04 03:18	26°♌36'14	19°35'51	transit end	6893 Jan 01 23:20	13°♌34'00	
	6892 Feb 07 04:54	0°♌		asc. node	6893 Jan 02 10:15	13°♌00'27	
greatest brilliancy	6892 Feb 17 00:04	13°♌29'46	-0.7m	morning rise	6893 Jan 07 16:46	7°♌53'28	
desc. node	6892 Feb 20 22:51	19°♌24'18		direct	6893 Jan 10 19:37	6°♌58'09	
	6892 Feb 27 21:32	0°♌		morning max el	6893 Jan 17 12:44	10°♌37'55	18°44'11
morning set	6892 Feb 29 10:06	2°♌20'46			6893 Jan 31 14:11	0°♌	
max. Earth dist.	6892 Mar 12 14:39	21°♌22'23	1.44574 AU	desc. node	6893 Feb 06 19:52	9°♌45'28	
				morning set	6893 Feb 07 22:49	11°♌31'18	
superior conj	6892 Mar 16 23:12	28°♌19'26	-2°07'09		6893 Feb 19 17:44	0°♌	
minimum elong	6892 Mar 16 19:02	28°♌02'41	2°07'00	max. Earth dist.	6893 Feb 23 08:06	5°♌38'13	1.45331 AU
	6892 Mar 18 00:11	0°♌					
evening rise	6892 Mar 30 18:34	21°♌04'24		superior conj	6893 Feb 24 07:19	7°♌09'14	-1°44'54
	6892 Apr 05 01:52	0°♌		minimum elong	6893 Feb 23 22:02	6°♌32'48	1°44'05
asc. node	6892 Apr 13 12:22	13°♌23'54			6893 Mar 10 17:11	0°♌	
evening max el	6892 Apr 18 08:52	19°♌24'17	18°15'36	evening rise	6893 Mar 11 17:03	1°♌35'48	
retrograde	6892 Apr 24 18:20	22°♌48'45		greatest brilliancy	6893 Mar 18 21:31	13°♌08'20	-0.9m
evening set	6892 Apr 27 17:26	22°♌01'48			6893 Mar 30 06:46	0°♌	
inferior conj	6892 May 03 16:58	16°♌40'13	3°19'00	asc. node	6893 Mar 31 09:26	1°♌19'47	
minimum elong	6892 May 03 18:26	16°♌36'07	3°18'47	evening max el	6893 Apr 01 20:16	2°♌54'06	18°43'28
min. Earth dist.	6892 May 06 05:31	13°♌51'03	0.63619 AU	retrograde	6893 Apr 08 11:32	6°♌34'17	
morning rise	6892 May 09 18:18	10°♌29'08		evening set	6893 Apr 11 17:32	5°♌33'55	
direct	6892 May 16 13:15	7°♌48'58		inferior conj	6893 Apr 17 09:00	29°♌55'17	3°27'32
desc. node	6892 May 18 22:13	8°♌06'33		minimum elong	6893 Apr 17 09:00	29°♌55'15	3°27'29
morning max el	6892 May 30 09:53	15°♌49'36	27°42'12		6893 Apr 17 07:28	30°♌	
	6892 Jun 11 00:53	0°♌		min. Earth dist.	6893 Apr 19 06:10	27°♌36'41	0.65394 AU
	6892 Jun 29 09:35	0°♌		morning rise	6893 Apr 22 23:54	23°♌39'28	
morning set	6892 Jul 04 03:47	9°♌10'58		direct	6893 Apr 29 13:35	20°♌51'14	
max. Earth dist.	6892 Jul 09 05:15	19°♌34'30	1.32798 AU	desc. node	6893 May 05 19:15	22°♌52'47	
asc. node	6892 Jul 10 11:37	22°♌15'25		morning max el	6893 May 12 20:15	28°♌41'41	26°57'21
					6893 May 14 02:26	0°♌	
superior conj	6892 Jul 12 00:26	25°♌32'39	0°15'43		6893 Jun 04 20:26	0°♌	
minimum elong	6892 Jul 11 23:41	25°♌28'34	0°15'30	morning set	6893 Jun 17 13:45	22°♌33'11	
behind sun begin	6892 Jul 11 22:24	25°♌21'40			6893 Jun 21 08:52	0°♌	
behind sun end	6892 Jul 12 00:58	25°♌35'29		max. Earth dist.	6893 Jun 21 22:34	1°♌08'54	1.34006 AU
	6892 Jul 14 01:55	0°♌					
evening rise	6892 Jul 19 00:39	10°♌40'19		superior conj	6893 Jun 26 01:57	9°♌39'53	-0°13'03
	6892 Jul 28 21:54	0°♌		minimum elong	6893 Jun 26 02:39	9°♌43'34	0°12'57
evening max el	6892 Aug 10 18:26	17°♌31'39	23°06'24	behind sun begin	6893 Jun 25 23:17	9°♌25'56	
desc. node	6892 Aug 14 21:27	20°♌58'15		behind sun end	6893 Jun 26 06:02	10°♌01'13	
retrograde	6892 Aug 24 03:41	24°♌13'22		asc. node	6893 Jun 27 08:40	12°♌21'08	


































































































































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	6893 Jul 05 18:03	0°♄			6894 Jun 13 02:04	0°☾	
evening max el	6893 Jul 23 11:25	27°♄55'43	21°31'21	asc. node	6894 Jun 14 05:42	2°☾22'07	
	6893 Jul 25 19:04	0°♄		evening rise	6894 Jun 17 17:56	9°☾35'24	
desc. node	6893 Aug 01 18:29	3°♄39'43			6894 Jun 28 17:26	0°♄	
retrograde	6893 Aug 04 18:29	4°♄01'17		evening max el	6894 Jul 05 16:17	8°♄54'20	20°10'40
evening set	6893 Aug 07 06:47	3°♄46'52		retrograde	6894 Jul 16 07:53	14°♄08'27	
	6893 Aug 16 04:35	30°♄♄		evening set	6894 Jul 18 05:56	13°♄59'01	
inferior conj	6893 Aug 16 13:29	29°♄47'32	-4°06'48	desc. node	6894 Jul 19 15:31	13°♄40'50	
minimum elong	6893 Aug 16 04:13	0°♄00'31	4°04'20	inferior conj	6894 Jul 27 08:25	10°♄00'40	-2°18'42
min. Earth dist.	6893 Aug 16 12:39	29°♄48'43	0.54750 AU	minimum elong	6894 Jul 27 02:01	10°♄10'10	2°16'26
morning rise	6893 Aug 25 02:41	25°♄55'51		min. Earth dist.	6894 Jul 28 23:57	9°♄02'08	0.55015 AU
direct	6893 Aug 28 15:06	25°♄29'01		morning rise	6894 Aug 04 20:44	5°♄47'22	
	6893 Sep 08 12:31	0°♄		direct	6894 Aug 09 02:15	5°♄08'31	
morning max el	6893 Sep 10 01:44	1°♄21'27	22°10'51	morning max el	6894 Aug 22 16:16	11°♄47'17	23°55'23
asc. node	6893 Sep 23 08:01	19°♄29'49			6894 Sep 05 10:17	0°♄	
	6893 Sep 28 20:04	0°♄		asc. node	6894 Sep 10 05:03	8°♄38'05	
morning set	6893 Oct 01 13:21	5°♄36'55		morning set	6894 Sep 16 01:00	20°♄28'06	
					6894 Sep 20 11:01	0°♄	
superior conj	6893 Oct 08 16:26	20°♄45'41	1°42'16	superior conj	6894 Sep 22 23:34	5°♄29'12	1°38'18
minimum elong	6893 Oct 08 16:16	20°♄44'50	1°42'17	minimum elong	6894 Sep 22 22:18	5°♄22'21	1°38'14
max. Earth dist.	6893 Oct 12 06:56	28°♄15'52	1.34383 AU	max. Earth dist.	6894 Sep 25 06:05	10°♄22'39	1.33088 AU
	6893 Oct 13 03:23	0°♄		evening rise	6894 Sep 30 10:46	21°♄10'47	
evening rise	6893 Oct 16 18:50	7°♄13'36			6894 Oct 04 23:20	0°♄	
desc. node	6893 Oct 28 17:38	28°♄30'53		desc. node	6894 Oct 15 14:40	18°♄22'55	
	6893 Oct 29 15:40	0°♄			6894 Oct 23 13:40	0°♄	
evening max el	6893 Nov 20 17:53	29°♄03'01	26°59'42	evening max el	6894 Nov 03 05:58	12°♄22'27	27°26'00
	6893 Nov 21 18:15	0°♄		retrograde	6894 Nov 16 20:51	19°♄40'52	
retrograde	6893 Dec 04 00:04	6°♄22'03		evening set	6894 Nov 23 21:41	17°♄05'36	
evening set	6893 Dec 10 16:51	3°♄44'15		min. Earth dist.	6894 Nov 27 15:48	13°♄45'44	0.63943 AU
min. Earth dist.	6893 Dec 14 15:56	29°♄51'45	0.65515 AU	inferior conj	6894 Nov 30 04:21	11°♄09'04	-2°18'43
	6893 Dec 14 12:58	30°♄♄		minimum elong	6894 Nov 30 08:34	10°♄58'08	2°17'00
inferior conj	6893 Dec 16 16:57	27°♄31'52	-1°12'52	morning rise	6894 Dec 06 21:04	5°♄47'46	
minimum elong	6893 Dec 16 19:04	27°♄25'49	1°11'55	asc. node	6894 Dec 07 04:21	5°♄40'53	
asc. node	6893 Dec 20 07:18	23°♄45'55		direct	6894 Dec 09 08:02	5°♄17'43	
morning rise	6893 Dec 22 22:25	21°♄55'48		morning max el	6894 Dec 15 20:26	8°♄41'47	17°50'50
direct	6893 Dec 25 16:09	21°♄15'06			6894 Dec 30 03:31	0°♄	
morning max el	6894 Jan 01 03:24	24°♄42'20	18°08'57	morning set	6895 Jan 01 13:51	4°♄09'14	
	6894 Jan 05 13:19	0°♄		desc. node	6895 Jan 11 13:54	20°♄59'53	
morning set	6894 Jan 19 16:25	22°♄09'32					
desc. node	6894 Jan 24 16:54	0°♄18'50		superior conj	6895 Jan 14 10:04	25°♄38'58	-0°20'12
	6894 Jan 24 12:14	0°♄		minimum elong	6895 Jan 14 07:48	25°♄29'43	0°19'49
superior conj	6894 Feb 03 12:40	15°♄59'09	-1°05'54		6895 Jan 17 02:40	0°♄	
minimum elong	6894 Feb 03 04:54	15°♄28'32	1°04'53	max. Earth dist.	6895 Jan 19 21:55	4°♄28'34	1.44646 AU
max. Earth dist.	6894 Feb 06 03:19	20°♄05'27	1.45353 AU	evening rise	6895 Jan 30 05:21	20°♄33'25	
	6894 Feb 12 11:32	0°♄			6895 Feb 05 10:08	0°♄	
evening rise	6894 Feb 19 17:39	11°♄16'49			6895 Feb 27 04:20	0°♄	
	6894 Mar 03 21:16	0°♄		evening max el	6895 Feb 27 06:18	0°♄05'01	20°28'11
greatest brilliancy	6894 Mar 04 05:44	0°♄31'50	-0.7m	asc. node	6895 Mar 05 03:32	4°♄22'58	
evening max el	6894 Mar 16 03:51	16°♄28'30	19°28'21	retrograde	6895 Mar 07 06:59	4°♄46'55	
asc. node	6894 Mar 18 06:29	18°♄24'10		evening set	6895 Mar 11 05:30	3°♄17'34	
retrograde	6894 Mar 23 08:36	20°♄35'17			6895 Mar 14 10:27	30°♄♄	
evening set	6894 Mar 26 22:16	19°♄20'46		inferior conj	6895 Mar 16 13:37	27°♄10'40	3°03'05
inferior conj	6894 Apr 01 08:47	13°♄26'59	3°21'13	minimum elong	6895 Mar 16 11:39	27°♄17'21	3°02'43
minimum elong	6894 Apr 01 07:37	13°♄30'49	3°21'06	min. Earth dist.	6895 Mar 17 05:45	26°♄15'29	0.67686 AU
min. Earth dist.	6894 Apr 02 14:54	11°♄48'12	0.66759 AU	morning rise	6895 Mar 21 17:35	20°♄55'40	
morning rise	6894 Apr 06 16:38	7°♄10'23		direct	6895 Mar 27 08:25	18°♄25'20	
direct	6894 Apr 12 20:20	4°♄26'14		morning max el	6895 Apr 07 14:52	25°♄09'56	24°22'52
desc. node	6894 Apr 22 16:16	9°♄24'17		desc. node	6895 Apr 09 13:17	27°♄12'26	
morning max el	6894 Apr 25 06:06	11°♄51'23	25°47'34		6895 Apr 11 23:59	0°♄	
	6894 May 09 18:42	0°♄			6895 May 03 06:33	0°♄	
	6894 May 28 12:33	0°♄		morning set	6895 May 13 10:36	16°♄54'06	
morning set	6894 May 31 09:45	5°♄12'13		max. Earth dist.	6895 May 17 02:02	23°♄22'04	1.37736 AU
max. Earth dist.	6894 Jun 04 04:31	12°♄17'06	1.35682 AU		6895 May 20 16:39	0°♄	
superior conj	6894 Jun 09 19:25	23°♄19'43	-0°43'42	superior conj	6895 May 24 01:34	6°♄23'53	-1°14'23

minimum elong	6895 May 24 05:56	6° Π 44'53	1°13'45		6896 May 11 17:46	0° Π	
asc. node	6895 Jun 01 02:44	22° Π 14'29		evening rise	6896 May 15 10:47	7° Π 03'54	
evening rise	6895 Jun 01 18:55	23° Π 34'45		asc. node	6896 May 17 23:45	11° Π 52'57	
	6895 Jun 05 01:34	0° \mathfrak{C}			6896 May 28 22:20	0° \mathfrak{C}	
evening max el	6895 Jun 18 09:53	20° \mathfrak{C} 36'56	19°09'35	evening max el	6896 May 31 13:28	2° \mathfrak{C} 58'06	18°29'08
retrograde	6895 Jun 27 08:53	25° \mathfrak{C} 01'19		retrograde	6896 Jun 08 04:48	6° \mathfrak{C} 45'55	
evening set	6895 Jun 29 07:31	24° \mathfrak{C} 49'46		evening set	6896 Jun 10 09:42	6° \mathfrak{C} 27'54	
desc. node	6895 Jul 06 12:32	21° \mathfrak{C} 26'46		inferior conj	6896 Jun 17 23:42	1° \mathfrak{C} 56'51	1°15'57
inferior conj	6895 Jul 07 17:32	20° \mathfrak{C} 38'21	-0°21'51	minimum elong	6896 Jun 18 02:13	1° \mathfrak{C} 51'51	1°15'03
minimum elong	6895 Jul 07 16:36	20° \mathfrak{C} 39'56	0°21'33		6896 Jun 20 10:33	30° \mathfrak{R} Π	
min. Earth dist.	6895 Jul 10 14:06	18° \mathfrak{C} 43'08	0.56200 AU	min. Earth dist.	6896 Jun 21 08:47	29° Π 17'25	0.58051 AU
morning rise	6895 Jul 15 22:38	15° \mathfrak{C} 50'22		desc. node	6896 Jun 22 09:34	28° Π 32'09	
direct	6895 Jul 21 01:02	14° \mathfrak{C} 50'05		morning rise	6896 Jun 25 15:25	26° Π 33'22	
morning max el	6895 Aug 04 05:27	22° \mathfrak{C} 04'46	25°35'59	direct	6896 Jul 01 13:45	25° Π 03'01	
	6895 Aug 11 05:08	0° Ω			6896 Jul 12 22:26	0° \mathfrak{C}	
asc. node	6895 Aug 28 02:05	28° Ω 09'45		morning max el	6896 Jul 15 23:07	2° \mathfrak{C} 42'44	26°56'20
	6895 Aug 28 23:46	0° \mathfrak{M}			6896 Aug 04 15:18	0° Ω	
morning set	6895 Aug 31 12:26	5° \mathfrak{M} 16'50		asc. node	6896 Aug 13 23:05	17° Ω 57'45	
				morning set	6896 Aug 14 22:01	19° Ω 58'04	
superior conj	6895 Sep 07 09:59	20° \mathfrak{M} 20'10	1°28'38		6896 Aug 19 13:18	0° \mathfrak{M}	
minimum elong	6895 Sep 07 08:00	20° \mathfrak{M} 09'13	1°28'24				
max. Earth dist.	6895 Sep 08 12:23	22° \mathfrak{M} 45'17	1.32235 AU	superior conj	6896 Aug 21 21:45	5° \mathfrak{M} 12'09	1°13'52
	6895 Sep 11 20:29	0° \mathfrak{L}		minimum elong	6896 Aug 21 19:29	4° \mathfrak{M} 59'34	1°13'30
evening rise	6895 Sep 14 11:15	5° \mathfrak{L} 30'58		max. Earth dist.	6896 Aug 21 22:38	5° \mathfrak{M} 17'03	1.31817 AU
	6895 Sep 27 13:50	0° \mathfrak{M}		evening rise	6896 Aug 28 17:36	20° \mathfrak{M} 06'00	
desc. node	6895 Oct 02 11:41	7° \mathfrak{M} 43'03			6896 Sep 02 13:56	0° \mathfrak{L}	
evening max el	6895 Oct 16 15:00	25° \mathfrak{M} 10'22	27°22'00	desc. node	6896 Sep 18 08:43	26° \mathfrak{L} 18'31	
	6895 Oct 22 19:45	0° \mathfrak{X}			6896 Sep 21 04:31	0° \mathfrak{M}	
retrograde	6895 Oct 30 10:22	2° \mathfrak{X} 23'44		evening max el	6896 Sep 27 18:05	7° \mathfrak{M} 14'00	26°44'24
evening set	6895 Nov 06 13:34	0° \mathfrak{X} 00'56		retrograde	6896 Oct 11 15:47	14° \mathfrak{M} 22'23	
	6895 Nov 06 14:08	30° \mathfrak{R} \mathfrak{M}		evening set	6896 Oct 18 12:17	12° \mathfrak{M} 23'13	
min. Earth dist.	6895 Nov 10 05:20	27° \mathfrak{M} 08'26	0.62084 AU	min. Earth dist.	6896 Oct 22 07:57	9° \mathfrak{M} 47'02	0.60030 AU
inferior conj	6895 Nov 13 04:10	24° \mathfrak{M} 25'30	-3°25'30	inferior conj	6896 Oct 25 13:00	7° \mathfrak{M} 12'06	-4°27'10
minimum elong	6895 Nov 13 10:18	24° \mathfrak{M} 11'22	3°23'24	minimum elong	6896 Oct 25 19:50	6° \mathfrak{M} 58'18	4°25'28
morning rise	6895 Nov 20 09:01	19° \mathfrak{M} 22'28		morning rise	6896 Nov 02 05:35	2° \mathfrak{M} 30'45	
direct	6895 Nov 22 16:01	18° \mathfrak{M} 59'25		direct	6896 Nov 04 12:01	2° \mathfrak{M} 11'35	
asc. node	6895 Nov 24 01:24	19° \mathfrak{M} 08'09		asc. node	6896 Nov 09 22:25	4° \mathfrak{M} 07'47	
morning max el	6895 Nov 29 12:44	22° \mathfrak{M} 28'37	17°50'41	morning max el	6896 Nov 12 01:03	5° \mathfrak{M} 54'38	18°09'47
	6895 Dec 05 08:51	0° \mathfrak{X}			6896 Nov 27 07:19	0° \mathfrak{X}	
morning set	6895 Dec 15 08:45	17° \mathfrak{X} 10'25		morning set	6896 Nov 27 19:03	0° \mathfrak{X} 55'07	
	6895 Dec 22 13:54	0° \mathfrak{Z}					
superior conj	6895 Dec 26 08:57	6° \mathfrak{Z} 33'03	0°22'12	superior conj	6896 Dec 07 08:45	18° \mathfrak{X} 39'34	0°56'03
minimum elong	6895 Dec 26 10:57	6° \mathfrak{Z} 41'36	0°21'58	minimum elong	6896 Dec 07 12:21	18° \mathfrak{X} 55'42	0°55'37
desc. node	6895 Dec 29 10:53	11° \mathfrak{Z} 45'04			6896 Dec 13 20:08	0° \mathfrak{Z}	
max. Earth dist.	6896 Jan 02 13:35	18° \mathfrak{Z} 31'46	1.43294 AU	max. Earth dist.	6896 Dec 15 00:28	2° \mathfrak{Z} 00'05	1.41448 AU
evening rise	6896 Jan 09 19:21	0° \approx 03'18		desc. node	6896 Dec 15 07:54	2° \mathfrak{Z} 31'23	
	6896 Jan 09 18:30	0° \approx		evening rise	6896 Dec 20 01:13	10° \mathfrak{Z} 18'51	
	6896 Jan 30 01:33	0° \mathfrak{H}			6897 Jan 01 19:20	0° \approx	
evening max el	6896 Feb 10 03:15	13° \mathfrak{H} 42'22	21°39'37	evening max el	6897 Jan 22 19:39	27° \approx 22'21	22°58'01
retrograde	6896 Feb 19 04:37	19° \mathfrak{H} 04'29			6897 Jan 25 16:07	0° \mathfrak{H}	
asc. node	6896 Feb 20 00:34	19° \mathfrak{H} 00'52		retrograde	6897 Feb 02 00:10	3° \mathfrak{H} 24'53	
evening set	6896 Feb 23 13:25	17° \mathfrak{H} 19'48		asc. node	6897 Feb 05 21:36	2° \mathfrak{H} 08'11	
inferior conj	6896 Feb 28 21:11	11° \mathfrak{H} 02'21	2°35'00	evening set	6897 Feb 06 20:29	1° \mathfrak{H} 24'56	
minimum elong	6896 Feb 28 18:52	11° \mathfrak{H} 10'22	2°34'24		6897 Feb 08 07:50	30° \mathfrak{R} \approx	
min. Earth dist.	6896 Feb 29 00:34	10° \mathfrak{H} 50'32	0.68184 AU	inferior conj	6897 Feb 12 05:35	25° \approx 00'12	1°58'15
morning rise	6896 Mar 05 00:10	4° \mathfrak{H} 50'25		minimum elong	6897 Feb 12 03:23	25° \approx 07'48	1°57'32
direct	6896 Mar 10 00:44	2° \mathfrak{H} 40'05		min. Earth dist.	6897 Feb 11 21:13	25° \approx 29'09	0.68274 AU
morning max el	6896 Mar 20 00:33	8° \mathfrak{H} 34'48	22°53'14	morning rise	6897 Feb 17 10:14	18° \approx 52'38	
desc. node	6896 Mar 26 10:16	15° \mathfrak{H} 55'06		direct	6897 Feb 21 20:32	17° \approx 04'52	
	6896 Apr 05 18:23	0° \mathfrak{Y}		morning max el	6897 Mar 02 14:47	22° \approx 09'50	21°27'38
morning set	6896 Apr 23 10:27	27° \mathfrak{Y} 22'52			6897 Mar 09 08:09	0° \mathfrak{H}	
	6896 Apr 25 00:10	0° \mathfrak{B}		desc. node	6897 Mar 13 07:16	5° \mathfrak{H} 17'44	
max. Earth dist.	6896 Apr 27 22:14	4° \mathfrak{B} 57'11	1.39962 AU		6897 Mar 30 01:38	0° \mathfrak{Y}	
				morning set	6897 Apr 03 06:17	6° \mathfrak{Y} 33'56	
superior conj	6896 May 05 16:09	18° \mathfrak{B} 40'58	-1°42'14	max. Earth dist.	6897 Apr 09 23:14	17° \mathfrak{Y} 23'50	1.42081 AU
minimum elong	6896 May 05 21:36	19° \mathfrak{B} 05'52	1°41'41				
				superior conj	6897 Apr 17 10:27	0° \mathfrak{B} 00'30	-2°02'56

minimum elong	6897 Apr 17 14:51	0°♄19'33	2°02'42	evening rise	6898 Apr 10 23:23	1°♄54'57	
	6897 Apr 17 10:20	0°♄		asc. node	6898 Apr 21 17:48	20°♄06'25	
evening rise	6897 Apr 28 13:47	19°♄54'00		evening max el	6898 Apr 28 12:17	29°♄01'55	18°07'49
	6897 May 04 04:13	0°♄			6898 Apr 29 13:26	0°♄	
asc. node	6897 May 04 20:46	1°♄12'26		retrograde	6898 May 04 22:34	2°♄23'17	
evening max el	6897 May 14 23:25	15°♄49'27	18°08'48	evening set	6898 May 07 17:43	1°♄43'51	
retrograde	6897 May 21 18:46	19°♄16'29			6898 May 10 09:37	30°♄	
evening set	6897 May 24 06:54	18°♄48'51		inferior conj	6898 May 13 23:34	26°♄33'11	3°05'42
inferior conj	6897 May 31 02:53	13°♄57'28	2°24'35	minimum elong	6898 May 14 01:51	26°♄27'10	3°05'16
minimum elong	6897 May 31 06:06	13°♄50'03	2°23'41	min. Earth dist.	6898 May 16 20:30	23°♄32'54	0.62440 AU
min. Earth dist.	6897 Jun 03 10:22	10°♄55'23	0.60236 AU	morning rise	6898 May 20 08:20	20°♄27'19	
morning rise	6897 Jun 07 02:39	8°♄07'21		direct	6898 May 27 03:24	17°♄57'05	
desc. node	6897 Jun 09 06:35	6°♄59'14		desc. node	6898 May 27 03:37	17°♄57'05	
direct	6897 Jun 13 15:21	6°♄04'08		morning max el	6898 Jun 10 05:35	25°♄59'21	27°53'26
morning max el	6897 Jun 27 23:31	13°♄59'51	27°43'51		6898 Jun 13 22:43	0°♄	
	6897 Jul 10 19:25	0°♄			6898 Jul 04 08:34	0°♄	
	6897 Jul 27 23:58	0°♄		morning set	6898 Jul 14 04:24	18°♄35'35	
morning set	6897 Jul 30 04:01	4°♄26'25		asc. node	6898 Jul 18 17:05	28°♄01'50	
asc. node	6897 Jul 31 20:04	7°♄56'41		max. Earth dist.	6898 Jul 19 15:35	0°♄02'20	1.32304 AU
max. Earth dist.	6897 Aug 05 09:00	17°♄46'47	1.31837 AU		6898 Jul 19 15:09	0°♄	
superior conj	6897 Aug 06 09:05	19°♄59'30	0°54'29	superior conj	6898 Jul 21 18:14	4°♄36'34	0°30'57
minimum elong	6897 Aug 06 07:01	19°♄48'03	0°54'04	minimum elong	6898 Jul 21 16:50	4°♄29'01	0°30'37
	6897 Aug 10 22:05	0°♄		evening rise	6898 Jul 28 15:12	19°♄33'56	
evening rise	6897 Aug 13 03:35	4°♄49'03			6898 Aug 02 16:41	0°♄	
	6897 Aug 26 09:25	0°♄		evening max el	6898 Aug 22 02:11	28°♄58'44	24°03'27
desc. node	6897 Sep 05 05:46	13°♄51'04		desc. node	6898 Aug 23 02:48	29°♄56'08	
evening max el	6897 Sep 09 13:15	18°♄26'53	25°35'03		6898 Aug 23 04:32	0°♄	
retrograde	6897 Sep 23 11:40	25°♄30'49		retrograde	6898 Sep 04 19:52	5°♄52'28	
evening set	6897 Sep 29 12:55	24°♄05'23		evening set	6898 Sep 09 13:00	5°♄03'30	
min. Earth dist.	6897 Oct 04 01:19	21°♄28'05	0.57975 AU	min. Earth dist.	6898 Sep 15 12:52	2°♄06'24	0.56204 AU
inferior conj	6897 Oct 07 03:23	19°♄18'38	-5°13'07	inferior conj	6898 Sep 17 21:35	0°♄39'14	-5°27'00
minimum elong	6897 Oct 07 08:05	19°♄10'24	5°12'31	minimum elong	6898 Sep 17 20:21	0°♄41'09	5°26'57
morning rise	6897 Oct 15 05:34	15°♄00'26			6898 Sep 18 23:13	30°♄	
direct	6897 Oct 17 15:25	14°♄42'28		morning rise	6898 Sep 26 05:59	26°♄40'57	
morning max el	6897 Oct 26 05:47	18°♄49'13	18°49'36	direct	6898 Sep 28 23:38	26°♄21'35	
asc. node	6897 Oct 27 19:26	20°♄26'58			6898 Oct 07 19:15	0°♄	
	6897 Nov 03 12:29	0°♄		morning max el	6898 Oct 08 23:38	1°♄02'49	19°51'23
morning set	6897 Nov 11 15:55	15°♄08'32		asc. node	6898 Oct 14 16:28	7°♄50'43	
	6897 Nov 19 06:50	0°♄		morning set	6898 Oct 26 19:55	29°♄41'24	
superior conj	6897 Nov 20 04:28	1°♄43'01	1°20'07		6898 Oct 26 23:36	0°♄	
minimum elong	6897 Nov 20 07:44	1°♄58'28	1°19'50	superior conj	6898 Nov 03 14:58	15°♄28'52	1°34'57
max. Earth dist.	6897 Nov 27 06:33	14°♄43'26	1.39338 AU	minimum elong	6898 Nov 03 17:00	15°♄39'01	1°34'52
evening rise	6897 Dec 01 05:01	21°♄33'24		max. Earth dist.	6898 Nov 09 11:58	26°♄51'06	1.37226 AU
desc. node	6897 Dec 02 04:56	23°♄14'33			6898 Nov 11 04:39	0°♄	
	6897 Dec 06 07:13	0°♄		evening rise	6898 Nov 13 06:26	3°♄46'02	
	6897 Dec 26 20:00	0°♄		desc. node	6898 Nov 19 01:58	13°♄50'38	
evening max el	6898 Jan 05 09:17	11°♄05'31	24°17'46		6898 Nov 29 07:54	0°♄	
retrograde	6898 Jan 16 16:15	17°♄42'54		evening max el	6898 Dec 18 22:15	24°♄51'40	25°31'59
evening set	6898 Jan 22 01:08	15°♄28'36			6898 Dec 25 07:25	0°♄	
asc. node	6898 Jan 23 18:39	13°♄46'59		retrograde	6898 Dec 31 03:52	1°♄53'22	
min. Earth dist.	6898 Jan 26 17:26	10°♄06'41	0.67974 AU		6899 Jan 05 09:01	30°♄	
inferior conj	6898 Jan 27 13:01	9°♄00'49	1°13'36	evening set	6899 Jan 06 01:46	29°♄26'49	
minimum elong	6898 Jan 27 11:23	9°♄06'16	1°13'01	min. Earth dist.	6899 Jan 10 10:54	24°♄39'19	0.67303 AU
morning rise	6898 Feb 01 21:44	2°♄59'05		asc. node	6899 Jan 10 15:43	24°♄23'58	
direct	6898 Feb 05 18:38	1°♄33'35		inferior conj	6899 Jan 11 17:37	23°♄00'51	0°21'42
morning max el	6898 Feb 13 12:14	5°♄56'29	20°12'32	minimum elong	6899 Jan 11 17:04	23°♄02'37	0°21'31
desc. node	6898 Feb 28 04:17	25°♄09'04		morning rise	6899 Jan 17 08:44	17°♄07'01	
	6898 Mar 03 10:49	0°♄		direct	6899 Jan 20 17:42	16°♄01'31	
morning set	6898 Mar 13 05:30	14°♄52'17		morning max el	6899 Jan 27 17:32	19°♄53'38	19°11'46
	6898 Mar 22 20:44	0°♄			6899 Feb 04 19:16	0°♄	
max. Earth dist.	6898 Mar 23 07:12	0°♄41'51	1.43825 AU	greatest brilliancy	6899 Feb 10 04:21	7°♄55'17	-0.7m
superior conj	6898 Mar 29 04:23	10°♄14'34	-2°10'45	desc. node	6899 Feb 15 01:17	15°♄21'18	
minimum elong	6898 Mar 29 04:10	10°♄13'39	2°10'46	morning set	6899 Feb 20 06:28	23°♄24'32	
	6898 Apr 09 20:50	0°♄			6899 Feb 24 12:22	0°♄	
				max. Earth dist.	6899 Mar 05 21:53	14°♄41'37	1.44987 AU

superior conj	6899 Mar 08 22:24	19° K 28'06	-2°00'09	max. Earth dist.	6900 Feb 16 16:54	29° \approx 06'32	1.45438 AU
minimum elong	6899 Mar 08 15:28	19° K 00'38	1°59'45		6900 Feb 17 06:33	0° K	
	6899 Mar 15 12:25	0° Y		evening rise	6900 Mar 03 23:59	23° K 08'01	
evening rise	6899 Mar 23 11:20	12° Y 59'19			6900 Mar 08 08:15	0° Y	
	6899 Apr 02 21:03	0° B		greatest brilliancy	6900 Mar 13 16:53	8° Y 25'13	-0.8m
asc. node	6899 Apr 08 14:51	8° B 26'35		asc. node	6900 Mar 26 11:56	26° Y 02'48	
evening max el	6899 Apr 12 01:03	12° B 27'41	18°25'23	evening max el	6900 Mar 26 11:08	26° Y 00'47	19°00'35
retrograde	6899 Apr 18 11:54	15° B 57'04		retrograde	6900 Apr 02 07:04	29° Y 50'40	
evening set	6899 Apr 21 13:55	15° B 04'30		evening set	6900 Apr 05 16:19	28° Y 44'10	
inferior conj	6899 Apr 27 09:37	9° B 35'44	3°24'38	inferior conj	6900 Apr 11 05:19	22° Y 58'49	3°26'25
minimum elong	6899 Apr 27 10:27	9° B 33'18	3°24'33	minimum elong	6900 Apr 11 04:48	23° Y 00'31	3°26'23
min. Earth dist.	6899 Apr 29 15:48	6° B 57'51	0.64423 AU	min. Earth dist.	6900 Apr 12 19:55	20° Y 56'41	0.66033 AU
morning rise	6899 May 03 06:06	3° B 22'14		morning rise	6900 Apr 16 16:51	16° Y 42'34	
direct	6899 May 09 23:44	0° B 36'47		direct	6900 Apr 23 02:49	13° Y 54'54	
desc. node	6899 May 14 00:40	1° B 27'55		desc. node	6900 Apr 30 21:40	17° Y 03'22	
morning max el	6899 May 23 14:55	8° B 34'36	27°26'43	morning max el	6900 May 06 01:10	21° Y 35'36	26°30'09
	6899 Jun 09 05:58	0° II			6900 May 13 08:43	0° B	
	6899 Jun 26 16:21	0° E			6900 Jun 02 10:58	0° II	
morning set	6899 Jun 27 20:29	2° E 17'02		morning set	6900 Jun 11 00:59	15° II 22'01	
max. Earth dist.	6899 Jul 02 14:32	11° E 52'40	1.33247 AU	max. Earth dist.	6900 Jun 15 03:08	23° II 15'11	1.34672 AU
					6900 Jun 18 11:50	0° E	
superior conj	6899 Jul 05 23:08	18° E 56'19	0°03'53				
minimum elong	6899 Jul 05 22:57	18° E 55'18	0°03'46	superior conj	6900 Jun 19 21:33	2° E 52'50	-0°25'53
behind sun begin	6899 Jul 05 17:37	18° E 26'57		minimum elong	6900 Jun 19 23:00	3° E 00'17	0°25'40
behind sun end	6899 Jul 06 04:17	19° E 23'42		asc. node	6900 Jun 22 11:08	8° E 12'34	
asc. node	6899 Jul 05 14:06	18° E 08'16		evening rise	6900 Jun 27 11:43	18° E 43'21	
	6899 Jul 11 02:54	0° O			6900 Jul 03 02:50	0° O	
evening rise	6899 Jul 13 02:33	4° O 13'50		evening max el	6900 Jul 16 12:43	19° O 51'00	20°54'44
	6899 Jul 27 02:21	0° P		desc. node	6900 Jul 27 20:53	25° O 35'14	
evening max el	6899 Aug 03 15:16	9° P 15'24	22°24'57	retrograde	6900 Jul 28 03:37	25° O 35'25	
desc. node	6899 Aug 09 23:52	14° P 01'13		evening set	6900 Jul 30 07:49	25° O 24'09	
retrograde	6899 Aug 16 15:19	15° P 43'35		inferior conj	6900 Aug 08 14:41	21° O 26'58	-3°24'15
evening set	6899 Aug 19 20:16	15° P 20'57		minimum elong	6900 Aug 08 05:55	21° O 39'23	3°21'31
min. Earth dist.	6899 Aug 27 21:58	11° P 49'28	0.55041 AU	min. Earth dist.	6900 Aug 09 07:34	21° O 03'03	0.54748 AU
inferior conj	6899 Aug 28 22:04	11° P 15'25	-4°51'39	morning rise	6900 Aug 17 04:10	17° O 28'52	
minimum elong	6899 Aug 28 14:15	11° P 26'28	4°50'12	direct	6900 Aug 20 23:26	16° O 57'54	
morning rise	6899 Sep 06 10:03	7° P 26'39		morning max el	6900 Sep 02 22:56	23° O 10'01	22°54'51
direct	6899 Sep 09 15:06	7° P 03'18			6900 Sep 09 00:37	0° P	
morning max el	6899 Sep 21 04:43	12° P 28'06	21°14'48	asc. node	6900 Sep 18 10:31	14° P 54'53	
asc. node	6899 Oct 01 13:31	26° P 04'01		morning set	6900 Sep 25 15:28	29° P 16'18	
	6899 Oct 03 19:54	0° A			6900 Sep 25 23:44	0° A	
morning set	6899 Oct 11 04:28	14° A 25'59					
superior conj	6899 Oct 18 11:58	29° A 44'34	1°41'40	superior conj	6900 Oct 02 16:08	14° A 20'12	1°41'20
minimum elong	6899 Oct 18 12:34	29° A 47'43	1°41'40	minimum elong	6900 Oct 02 15:28	14° A 16'37	1°41'19
	6899 Oct 18 14:56	0° M		max. Earth dist.	6900 Oct 05 16:45	20° A 44'07	1.33780 AU
max. Earth dist.	6899 Oct 22 22:20	8° M 45'00	1.35325 AU	evening rise	6900 Oct 10 11:24	0° M 26'41	
evening rise	6899 Oct 27 01:55	16° M 47'21			6900 Oct 10 05:59	0° M	
	6899 Nov 03 10:19	0° J		desc. node	6900 Oct 23 20:02	24° M 20'51	
desc. node	6899 Nov 05 23:00	4° J 14'47			6900 Oct 27 10:55	0° J	
	6899 Nov 23 17:31	0° B		evening max el	6900 Nov 14 00:13	22° J 07'02	27°14'14
evening max el	6899 Dec 01 11:25	8° B 35'34	26°33'15	retrograde	6900 Nov 27 10:20	29° J 25'59	
retrograde	6899 Dec 14 10:04	15° B 50'21		evening set	6900 Dec 04 07:15	26° J 48'07	
evening set	6899 Dec 20 20:34	13° B 15'10		min. Earth dist.	6900 Dec 08 04:03	23° J 10'07	0.64890 AU
min. Earth dist.	6899 Dec 24 23:14	9° B 02'40	0.66272 AU	inferior conj	6900 Dec 10 10:03	20° J 42'07	-1°40'26
inferior conj	6899 Dec 26 17:24	6° B 56'27	-0°36'43	minimum elong	6900 Dec 10 13:03	20° J 33'54	1°39'07
minimum elong	6899 Dec 26 18:25	6° B 53'24	0°36'13	asc. node	6900 Dec 15 09:51	16° J 00'30	
asc. node	6899 Dec 28 12:47	4° B 49'57		morning rise	6900 Dec 16 20:09	15° J 12'04	
morning rise	6900 Jan 01 17:03	1° B 13'01		direct	6900 Dec 19 10:48	14° J 36'15	
direct	6900 Jan 04 15:52	0° B 24'15		morning max el	6900 Dec 25 21:30	18° J 00'39	17°59'08
morning max el	6900 Jan 11 05:28	3° B 57'14	18°27'04		6901 Jan 03 17:57	0° B	
	6900 Jan 29 06:46	0° \approx		morning set	6901 Jan 12 13:04	14° B 27'27	
morning set	6900 Jan 31 06:59	3° \approx 12'03		desc. node	6901 Jan 19 19:17	26° B 25'46	
desc. node	6900 Feb 01 22:18	5° \approx 48'32			6901 Jan 22 00:02	0° \approx	
superior conj	6900 Feb 16 02:52	28° \approx 11'32	-1°29'54	superior conj	6901 Jan 26 13:05	7° \approx 17'35	-0°46'39
minimum elong	6900 Feb 15 17:22	27° \approx 34'20	1°28'52	minimum elong	6901 Jan 26 07:32	6° \approx 55'28	0°45'50
				max. Earth dist.	6901 Jan 30 12:42	13° \approx 36'09	1.45142 AU

	6901 Feb 10 01:21	0° H		superior conj	6902 Jan 06 21:02	17° Z 29'11	-0°01'26
evening rise	6901 Feb 11 17:34	2° H 35'04		minimum elong	6902 Jan 06 20:54	17° Z 28'37	0°01'22
greatest brilliancy	6901 Feb 25 21:21	24° H 04'49	-0.6m	behind sun begin	6902 Jan 06 11:33	16° Z 49'49	
	6901 Mar 01 23:55	0° Y		behind sun end	6902 Jan 07 06:15	18° Z 07'20	
evening max el	6901 Mar 09 16:35	9° Y 36'05	19°52'03	desc. node	6902 Jan 06 16:17	17° Z 09'30	
asc. node	6901 Mar 13 09:00	12° Y 41'18		max. Earth dist.	6902 Jan 13 06:12	27° Z 52'47	1.44142 AU
retrograde	6901 Mar 17 05:02	13° Y 57'02			6902 Jan 14 14:05	0° \approx	
evening set	6901 Mar 20 22:22	12° Y 36'06		evening rise	6902 Jan 22 04:21	11° \approx 53'00	
inferior conj	6901 Mar 26 07:33	6° Y 36'09	3°14'49		6902 Feb 03 04:46	0° H	
minimum elong	6901 Mar 26 06:00	6° Y 41'22	3°14'36	evening max el	6902 Feb 20 16:33	23° H 12'42	20°57'15
min. Earth dist.	6901 Mar 27 07:28	5° Y 16'05	0.67209 AU	asc. node	6902 Feb 28 06:02	28° H 07'41	
morning rise	6901 Mar 31 13:23	0° Y 20'02		retrograde	6902 Mar 01 03:27	28° H 11'52	
	6901 Mar 31 22:30	30° R H		evening set	6902 Mar 05 06:06	26° H 36'05	
direct	6901 Apr 06 11:44	27° H 41'07		inferior conj	6902 Mar 10 13:49	20° H 24'06	2°52'18
	6901 Apr 12 19:07	0° Y		minimum elong	6902 Mar 10 11:40	20° H 31'33	2°51'49
desc. node	6901 Apr 17 18:40	4° Y 10'38		min. Earth dist.	6902 Mar 11 00:23	19° H 47'34	0.67951 AU
morning max el	6901 Apr 18 10:39	4° Y 50'28	25°12'46	morning rise	6902 Mar 15 17:01	14° H 09'59	
	6901 May 07 18:34	0° Z		direct	6902 Mar 21 01:45	11° H 47'42	
morning set	6901 May 24 13:29	27° Z 38'22		morning max el	6902 Mar 31 19:37	18° H 12'23	23°44'38
	6901 May 25 20:49	0° II		desc. node	6902 Apr 04 15:41	22° H 24'23	
max. Earth dist.	6901 May 28 05:12	4° II 19'46	1.36524 AU		6902 Apr 10 16:50	0° Y	
					6902 Apr 30 20:50	0° Z	
superior conj	6901 Jun 03 10:35	16° II 18'11	-0°56'52	morning set	6902 May 06 04:23	8° Z 51'10	
minimum elong	6901 Jun 03 13:55	16° II 34'41	0°56'20	max. Earth dist.	6902 May 10 00:57	15° Z 32'39	1.38676 AU
asc. node	6901 Jun 09 08:10	28° II 10'28					
	6901 Jun 10 05:44	0° Z		superior conj	6902 May 17 10:37	29° Z 03'24	-1°26'48
evening rise	6901 Jun 11 16:25	2° Z 55'43		minimum elong	6902 May 17 15:36	29° Z 26'52	1°26'09
	6901 Jun 27 20:57	0° O			6902 May 17 22:37	0° II	
evening max el	6901 Jun 28 22:59	1° O 07'28	19°42'04	evening rise	6902 May 26 13:56	16° II 43'13	
retrograde	6901 Jul 08 20:56	5° O 59'59		asc. node	6902 May 27 05:11	17° II 57'32	
evening set	6901 Jul 10 17:50	5° O 50'19			6902 Jun 02 15:08	0° Z	
desc. node	6901 Jul 14 17:54	4° O 31'52		evening max el	6902 Jun 11 21:16	13° Z 07'34	18°49'53
inferior conj	6901 Jul 19 14:14	1° O 47'22	-1°28'10	retrograde	6902 Jun 20 05:37	17° Z 14'34	
minimum elong	6901 Jul 19 10:12	1° O 53'41	1°26'40	evening set	6902 Jun 22 06:25	17° Z 00'51	
min. Earth dist.	6901 Jul 21 19:50	0° O 23'58	0.55413 AU	inferior conj	6902 Jun 30 07:58	12° Z 41'47	0°22'59
	6901 Jul 22 11:43	30° R Z		minimum elong	6902 Jun 30 08:52	12° Z 40'10	0°22'36
morning rise	6901 Jul 28 00:20	27° Z 20'06		desc. node	6902 Jul 01 14:56	11° Z 45'31	
direct	6901 Aug 01 14:09	26° Z 33'41		min. Earth dist.	6902 Jul 03 12:00	10° Z 25'14	0.56918 AU
	6901 Aug 11 06:14	0° O		morning rise	6902 Jul 08 07:52	7° Z 37'40	
morning max el	6901 Aug 15 12:12	3° O 29'13	24°39'51	direct	6902 Jul 13 19:09	6° Z 25'12	
	6901 Sep 03 02:33	0° P		morning max el	6902 Jul 28 02:53	13° Z 52'53	26°13'36
asc. node	6901 Sep 05 07:31	4° P 14'07			6902 Aug 09 21:42	0° O	
morning set	6901 Sep 10 03:13	14° P 07'26		asc. node	6902 Aug 23 04:31	23° O 53'27	
				morning set	6902 Aug 25 14:02	28° O 53'34	
superior conj	6901 Sep 17 00:55	29° P 08'04	1°34'52		6902 Aug 26 02:31	0° P	
minimum elong	6901 Sep 16 23:18	28° P 59'13	1°34'44				
	6901 Sep 17 10:26	0° Z		superior conj	6902 Sep 01 12:07	14° P 00'24	1°22'58
max. Earth dist.	6901 Sep 18 19:12	2° Z 58'04	1.32662 AU	minimum elong	6902 Sep 01 09:58	13° P 48'27	1°22'41
evening rise	6901 Sep 24 07:17	14° Z 34'43		max. Earth dist.	6902 Sep 02 03:23	15° P 24'40	1.31994 AU
	6901 Oct 02 07:43	0° M		evening rise	6902 Sep 08 10:32	29° P 02'05	
desc. node	6901 Oct 10 17:03	14° M 01'08			6902 Sep 08 21:38	0° Z	
	6901 Oct 22 11:52	0° Z			6902 Sep 25 12:18	0° M	
evening max el	6901 Oct 27 11:06	5° Z 14'25	27°28'16	desc. node	6902 Sep 27 14:04	3° M 04'14	
retrograde	6901 Nov 10 04:14	12° Z 31'35		evening max el	6902 Oct 09 17:46	17° M 44'22	27°10'14
evening set	6901 Nov 17 07:04	9° Z 59'53		retrograde	6902 Oct 23 14:47	24° M 56'24	
min. Earth dist.	6901 Nov 20 23:31	6° Z 52'59	0.63181 AU	evening set	6902 Oct 30 16:14	22° M 42'13	
inferior conj	6901 Nov 23 16:55	4° Z 11'49	-2°47'10	min. Earth dist.	6902 Nov 03 08:30	19° M 58'16	0.61216 AU
minimum elong	6901 Nov 23 22:00	3° Z 59'13	2°45'13	inferior conj	6902 Nov 06 10:45	17° M 16'33	-3°52'48
	6901 Nov 28 14:15	30° R M		minimum elong	6902 Nov 06 17:24	17° M 02'00	3°50'46
morning rise	6901 Nov 30 14:46	28° M 58'13		morning rise	6902 Nov 13 20:44	12° M 22'29	
asc. node	6901 Dec 02 06:52	28° M 34'00		direct	6902 Nov 16 02:53	12° M 01'35	
direct	6901 Dec 02 23:39	28° M 31'38		asc. node	6902 Nov 19 03:52	12° M 41'09	
	6901 Dec 07 06:48	0° Z		morning max el	6902 Nov 23 05:45	15° M 35'58	17°56'24
morning max el	6901 Dec 09 14:43	1° Z 56'45	17°48'35		6902 Dec 03 05:38	0° Z	
morning set	6901 Dec 25 20:29	26° Z 56'16		morning set	6902 Dec 08 22:36	10° Z 17'44	
	6901 Dec 27 14:37	0° Z					
				superior conj	6902 Dec 19 06:57	28° Z 55'24	0°37'42

minimum elong	6902 Dec 19 09:56	29°  08'24	0°37'20	superior conj	6903 Dec 01 15:46	11°  27'07	1°07'27
	6902 Dec 19 21:48	0° 		minimum elong	6903 Dec 01 19:23	11°  43'46	1°07'03
desc. node	6902 Dec 24 13:18	7°  55'44		max. Earth dist.	6903 Dec 09 03:57	24°  49'34	1.40570 AU
max. Earth dist.	6902 Dec 26 19:20	11°  34'02	1.42554 AU	desc. node	6903 Dec 11 10:18	28°  40'54	
evening rise	6903 Jan 01 23:46	21°  39'23			6903 Dec 12 05:09	0° 	
	6903 Jan 07 08:35	0° 		evening rise	6903 Dec 13 14:38	2°  19'10	
	6903 Jan 28 11:54	0° 			6903 Dec 31 16:43	0° 	
evening max el	6903 Feb 03 11:25	6°  51'27	22°12'26	evening max el	6904 Jan 17 02:34	20°  33'19	23°32'18
retrograde	6903 Feb 13 00:26	12°  31'20		retrograde	6904 Jan 27 18:31	26°  51'06	
asc. node	6903 Feb 15 03:04	12°  08'18		evening set	6904 Feb 01 20:04	24°  45'04	
evening set	6903 Feb 17 13:51	10°  40'22		asc. node	6904 Feb 02 00:07	24°  36'22	
inferior conj	6903 Feb 22 22:01	4°  19'25	2°20'28	min. Earth dist.	6904 Feb 06 17:07	19°  03'41	0.68194 AU
minimum elong	6903 Feb 22 19:42	4°  27'29	2°19'47	inferior conj	6904 Feb 07 06:14	18°  18'45	1°40'16
min. Earth dist.	6903 Feb 22 20:24	4°  25'04	0.68272 AU	minimum elong	6904 Feb 07 04:13	18°  25'40	1°39'34
	6903 Feb 26 05:21	30° 		morning rise	6904 Feb 12 12:18	12° 	
morning rise	6903 Feb 28 01:22	28°  08'57		direct	6904 Feb 16 16:53	10°  35'08	
direct	6903 Mar 04 19:51	26°  07'51		morning max el	6904 Feb 24 23:39	15°  20'32	20°54'07
	6903 Mar 12 12:02	0° 			6904 Mar 07 16:07	0° 	
morning max el	6903 Mar 14 06:43	1°  41'12	22°15'46	desc. node	6904 Mar 08 09:42	1°  02'07	
desc. node	6903 Mar 22 12:42	11°  26'07		morning set	6904 Mar 26 01:36	27°  29'59	
	6903 Apr 04 15:12	0° 			6904 Mar 27 15:52	0° 	
morning set	6903 Apr 16 16:23	18°  07'09		max. Earth dist.	6904 Apr 03 02:26	10°  17'59	1.42889 AU
max. Earth dist.	6903 Apr 21 22:09	27°  26'54	1.40894 AU				
	6903 Apr 23 10:18	0° 		superior conj	6904 Apr 10 01:38	21°  51'13	-2°08'10
				minimum elong	6904 Apr 10 04:33	22°  03'31	2°08'07
superior conj	6903 Apr 29 17:16	10°  58'15	-1°52'13		6904 Apr 14 19:36	0° 	
minimum elong	6903 Apr 29 22:37	11°  22'12	1°51'46	evening rise	6904 Apr 21 21:04	12°  28'00	
evening rise	6903 May 10 00:53	29°  57'23		asc. node	6904 Apr 29 23:16	26°  38'48	
	6903 May 10 01:26	0° 			6904 May 02 00:43	0° 	
asc. node	6903 May 14 02:13	7°  29'04		evening max el	6904 May 08 15:49	8°  45'42	18°06'01
evening max el	6903 May 26 04:09	25°  43'53	18°18'07	retrograde	6904 May 15 05:50	12° 	
retrograde	6903 Jun 02 09:24	29°  20'31		evening set	6904 May 17 21:07	11°  35'40	
evening set	6903 Jun 04 17:29	28°  25'40		inferior conj	6904 May 24 10:34	6°  35'42	2°45'03
inferior conj	6903 Jun 11 23:25	24°  21'11	1°48'41	minimum elong	6904 May 24 13:30	6°  28'30	2°44'21
minimum elong	6903 Jun 12 02:31	24°  12'37	1°47'40	min. Earth dist.	6904 May 27 14:15	3°  31'50	0.61197 AU
min. Earth dist.	6903 Jun 15 09:27	21°  27'01	0.58963 AU	morning rise	6904 May 31 03:45	0° 	
desc. node	6903 Jun 18 11:58	19°  21'16			6904 Jun 01 04:05	30° 	
morning rise	6903 Jun 19 08:27	18°  24'17		desc. node	6904 Jun 04 09:02	28°  40'32	
direct	6903 Jun 25 14:04	16°  25'26		direct	6904 Jun 06 20:15	28°  22'21	
morning max el	6903 Jul 09 23:10	24°  45'57	27°20'56		6904 Jun 12 20:57	0° 	
	6903 Jul 14 18:17	0° 		morning max el	6904 Jun 21 02:06	6°  20'56	27°52'33
	6903 Aug 03 03:54	0° 			6904 Jul 08 22:02	0° 	
morning set	6903 Aug 09 22:18	13°  29'58		morning set	6904 Jul 24 02:10	27°  50'39	
asc. node	6903 Aug 10 01:31	13°  24'54			6904 Jul 25 03:08	0° 	
				asc. node	6904 Jul 26 22:33	3°  24'52	
superior conj	6903 Aug 16 23:56	28°  21'23	1°06'11	max. Earth dist.	6904 Jul 29 23:25	10°  22'17	1.31988 AU
minimum elong	6903 Aug 16 21:41	28°  38'57	1°05'47				
max. Earth dist.	6903 Aug 16 14:03	27°  56'39	1.31772 AU	superior conj	6904 Jul 31 10:33	13°  24'49	0°44'58
	6903 Aug 17 12:19	0° 		minimum elong	6904 Jul 31 08:43	13°  24'40	0°44'34
evening rise	6903 Aug 23 18:43	13°  41'40		evening rise	6904 Aug 07 05:38	28°  26'16	
	6903 Aug 31 22:56	0° 			6904 Aug 07 23:15	0° 	
desc. node	6903 Sep 14 11:06	21°  15'25			6904 Aug 24 17:21	0° 	
evening max el	6903 Sep 21 17:48	29°  27'04	26°18'29	desc. node	6904 Aug 31 08:10	8°  14'03	
	6903 Sep 22 07:57	0° 		evening max el	6904 Sep 02 09:59	10°  20'29	24°57'56
retrograde	6903 Oct 05 16:17	6°  33'12		retrograde	6904 Sep 16 06:58	17°  20'27	
evening set	6903 Oct 12 06:05	4°  47'50		evening set	6904 Sep 21 20:06	16°  10'54	
min. Earth dist.	6903 Oct 16 07:06	2°  13'12	0.59140 AU	min. Earth dist.	6904 Sep 26 21:17	13°  27'30	0.57171 AU
	6903 Oct 19 05:24	30° 		inferior conj	6904 Sep 29 17:56	11°  34'30	-5°24'04
inferior conj	6903 Oct 19 12:06	29°  47'11	-4°49'29	minimum elong	6904 Sep 29 20:30	11°  30'14	5°23'53
minimum elong	6903 Oct 19 18:28	29°  35'03	4°48'12	morning rise	6904 Oct 07 23:09	7°  25'28	
morning rise	6903 Oct 27 09:05	25°  15'16		direct	6904 Oct 10 12:04	7°  07'01	
direct	6903 Oct 29 16:24	24°  56'55		morning max el	6904 Oct 19 15:32	11°  26'52	19°13'12
asc. node	6903 Nov 06 00:54	28°  15'53		asc. node	6904 Oct 22 21:56	15°  04'12	
morning max el	6903 Nov 06 15:10	28°  49'10	18°24'03		6904 Nov 01 03:35	0° 	
	6903 Nov 07 18:40	0° 		morning set	6904 Nov 05 14:08	8°  38'45	
morning set	6903 Nov 22 13:51	24°  15'45					
	6903 Nov 25 13:42	0° 		superior conj	6904 Nov 13 18:22	24°  15'01	1°27'29

minimum elong	6904 Nov 13 21:10	25° \mathbb{M} 03'54	1°27'17	superior conj	6905 Oct 28 09:47	8° \mathbb{M} 50'23	1°38'44
	6904 Nov 16 11:03	0° \mathbb{A}		minimum elong	6905 Oct 28 11:13	8° \mathbb{M} 57'38	1°38'42
max. Earth dist.	6904 Nov 20 09:41	7° \mathbb{A} 18'09	1.38424 AU	max. Earth dist.	6905 Nov 02 16:29	19° \mathbb{M} 16'39	1.36371 AU
evening rise	6904 Nov 24 03:56	13° \mathbb{A} 59'05		evening rise	6905 Nov 06 13:28	26° \mathbb{M} 33'17	
desc. node	6904 Nov 27 07:19	19° \mathbb{A} 21'36			6905 Nov 08 11:04	0° \mathbb{A}	
	6904 Dec 03 20:33	0° \mathbb{B}		desc. node	6905 Nov 14 04:20	9° \mathbb{A} 53'01	
	6904 Dec 25 14:54	0° \mathbb{A}			6905 Nov 27 07:16	0° \mathbb{B}	
evening max el	6904 Dec 29 15:47	4° \mathbb{A} 18'27	24°50'29	evening max el	6905 Dec 12 04:32	18° \mathbb{B} 03'29	26°00'03
retrograde	6905 Jan 10 08:41	11° \mathbb{A} 07'04		retrograde	6905 Dec 24 18:07	25° \mathbb{B} 12'40	
evening set	6905 Jan 15 23:14	8° \mathbb{A} 47'02		evening set	6905 Dec 30 21:37	22° \mathbb{B} 41'31	
asc. node	6905 Jan 18 21:11	5° \mathbb{A} 44'17		min. Earth dist.	6906 Jan 04 03:47	18° \mathbb{B} 09'08	0.66904 AU
min. Earth dist.	6905 Jan 20 12:20	3° \mathbb{A} 39'59	0.67734 AU	inferior conj	6906 Jan 05 15:26	16° \mathbb{B} 17'52	-0°02'22
inferior conj	6905 Jan 21 12:40	2° \mathbb{A} 19'38	0°52'27	minimum elong	6906 Jan 05 15:30	16° \mathbb{B} 17'41	0°02'16
minimum elong	6905 Jan 21 11:27	2° \mathbb{A} 23'41	0°52'00	transit middle	6906 Jan 05 15:30	16° \mathbb{B} 17'41	0°02'16
	6905 Jan 23 08:02	30° \mathbb{R} \mathbb{B}		transit begin	6906 Jan 05 12:41	16° \mathbb{B} 26'29	
morning rise	6905 Jan 26 23:51	26° \mathbb{B} 21'15		transit end	6906 Jan 05 18:19	16° \mathbb{B} 08'53	
direct	6905 Jan 30 15:33	25° \mathbb{B} 04'35		asc. node	6906 Jan 05 18:15	16° \mathbb{B} 09'04	
morning max el	6905 Feb 07 00:34	29° \mathbb{B} 12'32	19°44'56	morning rise	6906 Jan 11 09:58	10° \mathbb{B} 28'24	
	6905 Feb 07 19:06	0° \mathbb{A}		direct	6906 Jan 14 14:19	9° \mathbb{B} 30'38	
greatest brilliancy	6905 Feb 19 21:26	16° \mathbb{A} 01'18	-0.6m	morning max el	6906 Jan 21 09:00	13° \mathbb{B} 13'18	18°50'49
desc. node	6905 Feb 23 06:43	21° \mathbb{A} 03'19			6906 Feb 02 19:43	0° \mathbb{A}	
	6905 Mar 01 04:20	0° \mathbb{H}		desc. node	6906 Feb 10 03:41	11° \mathbb{A} 22'09	
morning set	6905 Mar 04 22:28	5° \mathbb{H} 45'52		morning set	6906 Feb 12 07:30	14° \mathbb{A} 44'44	
max. Earth dist.	6905 Mar 16 14:08	23° \mathbb{H} 58'21	1.44403 AU		6906 Feb 22 01:38	0° \mathbb{H}	
	6905 Mar 20 08:37	0° \mathbb{Y}		max. Earth dist.	6906 Feb 27 06:43	8° \mathbb{H} 09'43	1.45264 AU
superior conj	6905 Mar 21 08:55	1° \mathbb{Y} 37'57	-2°08'44	superior conj	6906 Feb 28 19:07	10° \mathbb{H} 32'35	-1°49'32
minimum elong	6905 Mar 21 05:48	1° \mathbb{Y} 25'23	2°08'40	minimum elong	6906 Feb 28 10:14	9° \mathbb{H} 57'40	1°48'48
evening rise	6905 Apr 03 22:00	24° \mathbb{Y} 06'21			6906 Mar 13 01:00	0° \mathbb{Y}	
	6905 Apr 07 09:21	0° \mathbb{B}		evening rise	6906 Mar 15 23:57	4° \mathbb{Y} 46'07	
asc. node	6905 Apr 16 20:19	15° \mathbb{B} 19'47			6906 Apr 01 02:39	0° \mathbb{B}	
evening max el	6905 Apr 22 04:58	22° \mathbb{B} 04'42	18°12'55	asc. node	6906 Apr 03 17:23	3° \mathbb{B} 22'43	
retrograde	6905 Apr 28 14:24	25° \mathbb{B} 28'04		evening max el	6906 Apr 05 16:46	5° \mathbb{B} 33'53	18°38'13
evening set	6905 May 01 12:26	24° \mathbb{B} 43'08		retrograde	6906 Apr 12 06:42	9° \mathbb{B} 10'58	
inferior conj	6905 May 07 13:29	19° \mathbb{B} 24'15	3°16'05	evening set	6906 Apr 15 11:36	8° \mathbb{B} 12'43	
minimum elong	6905 May 07 15:10	19° \mathbb{B} 19'35	3°15'50	inferior conj	6906 Apr 21 04:04	2° \mathbb{B} 36'40	3°27'14
min. Earth dist.	6905 May 10 04:15	16° \mathbb{B} 31'38	0.63326 AU	minimum elong	6906 Apr 21 04:18	2° \mathbb{B} 36'00	3°27'11
morning rise	6905 May 13 16:38	13° \mathbb{B} 14'10		min. Earth dist.	6906 Apr 23 03:37	0° \mathbb{B} 12'34	0.65153 AU
direct	6905 May 20 11:47	10° \mathbb{B} 36'14			6906 Apr 23 07:52	30° \mathbb{R} \mathbb{Y}	
desc. node	6905 May 22 06:05	10° \mathbb{B} 45'54		morning rise	6906 Apr 26 20:18	26° \mathbb{Y} 21'13	
morning max el	6905 Jun 03 10:08	18° \mathbb{B} 37'46	27°46'11	direct	6906 May 03 11:10	23° \mathbb{Y} 33'14	
	6905 Jun 13 00:05	0° \mathbb{I}		desc. node	6906 May 09 03:06	25° \mathbb{Y} 13'43	
	6905 Jul 01 19:40	0° \mathbb{E}			6906 May 15 08:59	0° \mathbb{B}	
morning set	6905 Jul 07 23:24	11° \mathbb{E} 49'09		morning max el	6906 May 16 20:21	1° \mathbb{B} 26'24	27°05'50
max. Earth dist.	6905 Jul 13 03:25	22° \mathbb{E} 29'08	1.32654 AU		6906 Jun 07 02:57	0° \mathbb{I}	
asc. node	6905 Jul 13 19:34	23° \mathbb{E} 55'00		morning set	6906 Jun 21 11:07	25° \mathbb{I} 17'23	
					6906 Jun 23 20:51	0° \mathbb{E}	
superior conj	6905 Jul 15 18:09	28° \mathbb{E} 05'04	0°19'51	max. Earth dist.	6906 Jun 25 22:17	4° \mathbb{E} 08'13	1.33792 AU
minimum elong	6905 Jul 15 17:13	27° \mathbb{E} 59'59	0°19'35				
	6905 Jul 16 15:24	0° \mathbb{Q}		superior conj	6906 Jun 29 20:39	12° \mathbb{E} 16'23	-0°08'30
evening rise	6905 Jul 22 17:24	13° \mathbb{Q} 09'47		minimum elong	6906 Jun 29 21:07	12° \mathbb{E} 18'46	0°08'29
	6905 Jul 31 04:29	0° \mathbb{M}		behind sun begin	6906 Jun 29 16:19	11° \mathbb{E} 53'33	
evening max el	6905 Aug 14 21:41	20° \mathbb{M} 40'37	23°21'12	behind sun end	6906 Jun 30 01:55	12° \mathbb{E} 44'01	
desc. node	6905 Aug 18 05:13	23° \mathbb{M} 32'06		asc. node	6906 Jun 30 16:36	14° \mathbb{E} 01'25	
retrograde	6905 Aug 28 09:40	27° \mathbb{M} 26'23		evening rise	6906 Jul 07 04:07	27° \mathbb{E} 46'31	
evening set	6905 Sep 01 11:11	26° \mathbb{M} 50'13			6906 Jul 08 05:39	0° \mathbb{Q}	
min. Earth dist.	6905 Sep 08 07:05	23° \mathbb{M} 40'08	0.55614 AU		6906 Jul 26 12:59	0° \mathbb{M}	
inferior conj	6905 Sep 10 03:47	22° \mathbb{M} 34'25	-5°18'43	evening max el	6906 Jul 27 13:26	1° \mathbb{M} 02'15	21°44'49
minimum elong	6905 Sep 09 23:27	22° \mathbb{M} 40'49	5°18'18	desc. node	6906 Aug 05 02:17	6° \mathbb{M} 36'55	
morning rise	6905 Sep 18 14:01	18° \mathbb{M} 42'28		retrograde	6906 Aug 09 01:31	7° \mathbb{M} 14'17	
direct	6905 Sep 21 12:08	18° \mathbb{M} 21'50		evening set	6906 Aug 11 17:30	6° \mathbb{M} 58'15	
morning max el	6905 Oct 02 04:03	23° \mathbb{M} 20'13	20°24'33	inferior conj	6906 Aug 20 23:26	2° \mathbb{M} 57'44	-4°20'11
	6905 Oct 07 20:37	0° \mathbb{L}		minimum elong	6906 Aug 20 14:19	3° \mathbb{M} 10'31	4°17'56
asc. node	6905 Oct 09 18:58	2° \mathbb{L} 50'28		min. Earth dist.	6906 Aug 20 16:28	3° \mathbb{M} 07'30	0.54795 AU
morning set	6905 Oct 20 20:20	23° \mathbb{L} 17'20			6906 Aug 26 19:55	30° \mathbb{R} \mathbb{Q}	
	6905 Oct 24 02:25	0° \mathbb{M}		morning rise	6906 Aug 29 12:22	29° \mathbb{Q} 07'22	
				direct	6906 Sep 01 22:44	28° \mathbb{Q} 41'36	

































































































































	6906 Sep 07 18:15	0°♎		direct	6907 Aug 13 08:56	8°♌24'01	
morning max el	6906 Sep 14 04:15	4°♎27'04	21°55'51	morning max el	6907 Aug 26 19:26	14°♌56'01	23°39'37
asc. node	6906 Sep 26 15:59	21°♎21'21			6907 Sep 07 14:23	0°♎	
	6906 Oct 01 07:03	0°♏		asc. node	6907 Sep 13 12:58	10°♎25'11	
morning set	6906 Oct 05 06:09	8°♏05'12		morning set	6907 Sep 19 17:40	22°♎56'11	
					6907 Sep 23 00:35	0°♏	
superior conj	6906 Oct 12 10:14	23°♏16'11	1°42'19				
minimum elong	6906 Oct 12 10:16	23°♏16'22	1°42'20	superior conj	6907 Sep 26 16:40	7°♏57'43	1°39'16
	6906 Oct 15 16:05	0°♐		minimum elong	6907 Sep 26 15:33	7°♏51'40	1°39'14
max. Earth dist.	6906 Oct 16 05:44	1°♐09'31	1.34615 AU	max. Earth dist.	6907 Sep 29 03:42	13°♏14'10	1.33257 AU
evening rise	6906 Oct 20 15:25	9°♐52'29		evening rise	6907 Oct 04 05:47	23°♏45'21	
	6906 Oct 31 22:51	0°♑			6907 Oct 07 10:17	0°♐	
desc. node	6906 Nov 01 01:21	0°♑10'16		desc. node	6907 Oct 18 22:24	20°♐06'20	
	6906 Nov 23 00:13	0°♒			6907 Oct 25 13:36	0°♑	
evening max el	6906 Nov 24 17:32	1°♒42'54	26°53'35	evening max el	6907 Nov 07 05:57	15°♑06'08	27°23'54
retrograde	6906 Dec 07 22:04	9°♒01'13		retrograde	6907 Nov 20 19:43	22°♑24'36	
evening set	6906 Dec 14 13:14	6°♒23'56		evening set	6907 Nov 27 19:40	19°♑48'31	
min. Earth dist.	6906 Dec 18 13:15	2°♒26'11	0.65721 AU	min. Earth dist.	6907 Dec 01 14:28	16°♑24'01	0.64198 AU
inferior conj	6906 Dec 20 12:28	0°♒09'38	-1°03'14	inferior conj	6907 Dec 04 01:19	13°♑49'24	-2°08'34
minimum elong	6906 Dec 20 14:17	0°♒04'23	1°02'23	minimum elong	6907 Dec 04 05:12	13°♑39'08	2°06'57
	6906 Dec 20 15:47	30°♒♑		morning rise	6907 Dec 10 16:16	8°♑25'38	
asc. node	6906 Dec 23 15:18	26°♑47'19		asc. node	6907 Dec 10 12:19	8°♑29'51	
morning rise	6906 Dec 26 16:21	24°♑31'28		direct	6907 Dec 13 04:08	7°♑54'10	
direct	6906 Dec 29 11:18	23°♑48'49		morning max el	6907 Dec 19 15:49	11°♑18'00	17°52'24
morning max el	6907 Jan 04 22:59	27°♑17'22	18°13'02		6908 Jan 01 11:27	0°♒	
	6907 Jan 07 09:21	0°♒		morning set	6908 Jan 05 14:15	6°♒58'31	
morning set	6907 Jan 23 20:34	25°♒09'18		desc. node	6908 Jan 14 21:38	22°♒33'50	
	6907 Jan 26 20:27	0°♓					
desc. node	6907 Jan 28 00:38	1°♓53'37		superior conj	6908 Jan 18 17:36	28°♒48'43	-0°27'06
				minimum elong	6908 Jan 18 14:29	28°♒36'07	0°26'35
superior conj	6907 Feb 07 23:28	19°♓18'34	-1°12'29		6908 Jan 19 11:15	0°♓	
minimum elong	6907 Feb 07 15:04	18°♓45'32	1°11'26	max. Earth dist.	6908 Jan 23 20:54	7°♓02'00	1.44797 AU
max. Earth dist.	6907 Feb 10 01:47	22°♓36'04	1.45397 AU	evening rise	6908 Feb 03 16:07	23°♓51'25	
	6907 Feb 14 19:20	0°♔			6908 Feb 07 16:34	0°♔	
evening rise	6907 Feb 24 03:18	14°♔32'59			6908 Feb 28 16:52	0°♕	
	6907 Mar 06 02:10	0°♕		evening max el	6908 Mar 02 04:18	2°♕44'18	20°18'26
greatest brilliancy	6907 Mar 07 23:23	2°♕52'32	-0.7m	asc. node	6908 Mar 07 11:30	6°♕45'38	
evening max el	6907 Mar 20 01:02	19°♕07'57	19°20'44	retrograde	6908 Mar 10 01:33	7°♕20'25	
asc. node	6907 Mar 21 14:27	20°♕35'51		evening set	6908 Mar 13 22:45	5°♕53'11	
retrograde	6907 Mar 27 03:17	23°♕09'59		inferior conj	6908 Mar 19 07:04	29°♔48'02	3°06'30
evening set	6907 Mar 30 15:47	21°♕57'35		minimum elong	6908 Mar 19 05:12	29°♔54'23	3°06'10
inferior conj	6907 Apr 05 02:51	16°♕06'02	3°22'59		6908 Mar 19 03:33	30°♒♔	
minimum elong	6907 Apr 05 01:50	16°♕09'20	3°22'52	min. Earth dist.	6908 Mar 20 01:10	28°♔46'27	0.67577 AU
min. Earth dist.	6907 Apr 06 11:10	14°♕20'59	0.66583 AU	morning rise	6908 Mar 24 11:26	23°♔32'48	
morning rise	6907 Apr 10 11:33	9°♕49'30		direct	6908 Mar 30 04:16	21°♔00'03	
direct	6907 Apr 16 17:02	7°♕04'00		morning max el	6908 Apr 10 15:03	27°♔51'08	24°36'02
desc. node	6907 Apr 26 00:06	11°♕31'17		desc. node	6908 Apr 11 21:04	29°♔09'14	
morning max el	6907 Apr 29 06:12	14°♕33'42	25°59'11		6908 Apr 12 15:48	0°♕	
	6907 May 11 20:34	0°♖			6908 May 04 13:17	0°♖	
	6907 May 30 22:02	0°♗		morning set	6908 May 16 13:25	19°♖54'22	
morning set	6907 Jun 04 09:25	8°♗03'30		max. Earth dist.	6908 May 20 04:19	26°♖23'06	1.37417 AU
max. Earth dist.	6907 Jun 08 05:46	15°♗19'09	1.35407 AU		6908 May 22 03:30	0°♗	
				superior conj	6908 May 26 23:29	9°♗10'35	-1°09'51
superior conj	6907 Jun 13 15:29	26°♗00'53	-0°38'58	minimum elong	6908 May 27 03:36	9°♗30'30	1°09'13
minimum elong	6907 Jun 13 17:43	26°♗12'12	0°38'36	asc. node	6908 Jun 03 10:38	23°♗57'25	
	6907 Jun 15 14:21	0°♘		evening rise	6908 Jun 04 13:39	26°♗12'12	
asc. node	6907 Jun 17 13:36	4°♘03'29			6908 Jun 06 11:39	0°♘	
evening rise	6907 Jun 21 11:39	12°♘09'27			6908 Jun 21 08:05	23°♘30'19	19°17'19
	6907 Jun 30 20:09	0°♙		evening max el	6908 Jun 30 12:44	28°♘01'39	
evening max el	6907 Jul 09 16:21	11°♙54'46	20°21'29	retrograde	6908 Jul 02 10:44	27°♘50'42	
retrograde	6907 Jul 20 14:02	17°♙16'34		evening set	6908 Jul 08 20:21	25°♘04'03	
evening set	6907 Jul 22 13:11	17°♙06'53		desc. node	6908 Jul 10 23:35	23°♘41'35	-0°38'45
desc. node	6907 Jul 22 23:20	17°♙02'21		inferior conj	6908 Jul 10 21:53	23°♘44'24	0°38'10
inferior conj	6907 Jul 31 17:17	13°♙09'25	-2°36'30	minimum elong	6908 Jul 13 16:44	21°♘54'26	0.55976 AU
minimum elong	6907 Jul 31 10:08	13°♙19'52	2°34'01	min. Earth dist.	6908 Jul 19 06:13	18°♘59'10	
min. Earth dist.	6907 Aug 02 03:16	12°♙19'49	0.54920 AU	morning rise	6908 Jul 24 05:21	18°♘02'51	
morning rise	6907 Aug 09 06:05	9°♙00'38		direct			

morning max el	6908 Aug 07 08:23	25°☿12'36	25°21'58	direct	6909 Jul 05 15:58	28°♊09'31	
	6908 Aug 11 19:41	0°♊			6909 Jul 12 10:47	0°☿	
asc. node	6908 Aug 30 09:58	29°♊53'35		morning max el	6909 Jul 20 01:18	5°☿46'37	26°46'19
	6908 Aug 30 11:15	0°♊			6909 Aug 06 21:58	0°♊	
morning set	6908 Sep 03 05:13	7°♊45'34		asc. node	6909 Aug 17 06:59	19°♊39'49	
				morning set	6909 Aug 18 15:14	22°♊28'44	
superior conj	6908 Sep 10 02:43	22°♊47'52	1°30'26		6909 Aug 22 02:58	0°♊	
minimum elong	6908 Sep 10 00:49	22°♊37'24	1°30'15				
max. Earth dist.	6908 Sep 11 09:10	25°♊34'55	1.32334 AU	superior conj	6909 Aug 25 14:26	7°♊40'33	1°16'26
	6908 Sep 13 09:57	0°♊		minimum elong	6909 Aug 25 12:10	7°♊28'03	1°16'05
evening rise	6908 Sep 17 05:10	8°♊02'27		max. Earth dist.	6909 Aug 25 19:05	8°♊06'19	1.31847 AU
	6908 Sep 28 20:35	0°♊		evening rise	6909 Sep 01 10:50	22°♊36'04	
desc. node	6908 Oct 04 19:28	9°♊32'10			6909 Sep 05 01:07	0°♊	
evening max el	6908 Oct 19 15:34	27°♊59'27	27°24'40	desc. node	6909 Sep 21 16:31	28°♊15'45	
	6908 Oct 21 21:50	0°♊			6909 Sep 22 23:08	0°♊	
retrograde	6908 Nov 02 10:18	5°♊13'37		evening max el	6909 Oct 01 19:38	10°♊10'16	26°52'06
evening set	6908 Nov 09 13:43	2°♊48'08		retrograde	6909 Oct 15 17:09	17°♊19'46	
min. Earth dist.	6908 Nov 13 05:30	29°♊52'17	0.62375 AU	evening set	6909 Oct 22 15:23	15°♊16'12	
	6908 Nov 13 02:05	30°♊		min. Earth dist.	6909 Oct 26 09:46	12°♊38'35	0.60341 AU
inferior conj	6908 Nov 16 03:03	27°♊09'27	-3°15'31	inferior conj	6909 Oct 29 14:22	10°♊01'15	-4°18'34
minimum elong	6908 Nov 16 08:57	26°♊55'37	3°13'27	minimum elong	6909 Oct 29 21:14	9°♊47'06	4°16'45
morning rise	6908 Nov 23 06:05	22°♊03'36		morning rise	6909 Nov 06 05:19	5°♊16'39	
direct	6908 Nov 25 13:32	21°♊39'41		direct	6909 Nov 08 11:32	4°♊57'10	
asc. node	6908 Nov 26 09:20	21°♊42'49		asc. node	6909 Nov 13 06:21	6°♊29'15	
morning max el	6908 Dec 02 08:28	25°♊07'28	17°49'35	morning max el	6909 Nov 15 21:40	8°♊37'35	18°05'41
	6908 Dec 06 09:23	0°♊			6909 Nov 29 17:26	0°♊	
morning set	6908 Dec 18 06:26	19°♊52'03		morning set	6909 Dec 01 14:47	3°♊31'11	
	6908 Dec 23 23:46	0°♊					
superior conj	6908 Dec 29 12:38	9°♊31'56	0°16'14	superior conj	6909 Dec 11 09:02	21°♊28'38	0°51'31
minimum elong	6908 Dec 29 14:10	9°♊38'25	0°16'05	minimum elong	6909 Dec 11 12:32	21°♊44'13	0°51'06
desc. node	6908 Dec 31 18:38	13°♊18'46			6909 Dec 16 05:55	0°♊	
max. Earth dist.	6909 Jan 05 13:22	21°♊10'03	1.43530 AU	desc. node	6909 Dec 18 15:41	4°♊05'14	
	6909 Jan 11 02:20	0°♊		max. Earth dist.	6909 Dec 19 00:46	4°♊43'20	1.41746 AU
evening rise	6909 Jan 13 04:50	3°♊17'13		evening rise	6909 Dec 24 07:47	13°♊24'33	
	6909 Jan 31 03:52	0°♊			6910 Jan 04 01:03	0°♊	
evening max el	6909 Feb 13 02:01	16°♊21'22	21°28'20		6910 Jan 26 18:43	0°♊	
retrograde	6909 Feb 21 23:30	21°♊37'28		evening max el	6910 Jan 26 18:57	0°♊00'36	22°46'04
asc. node	6909 Feb 22 08:33	21°♊36'44		retrograde	6910 Feb 05 19:31	5°♊57'38	
evening set	6909 Feb 26 06:40	19°♊55'00		asc. node	6910 Feb 09 05:35	4°♊58'00	
inferior conj	6909 Mar 03 14:22	13°♊38'47	2°39'50	evening set	6910 Feb 10 13:59	3°♊59'59	
minimum elong	6909 Mar 03 12:05	13°♊46'42	2°39'16		6910 Feb 14 04:37	30°♊	
min. Earth dist.	6909 Mar 03 19:33	13°♊20'46	0.68138 AU	inferior conj	6910 Feb 15 22:48	27°♊36'00	2°04'21
morning rise	6909 Mar 08 17:20	7°♊26'18		minimum elong	6910 Feb 15 20:33	27°♊43'47	2°03'39
direct	6909 Mar 13 20:00	5°♊12'51		min. Earth dist.	6910 Feb 15 16:09	27°♊59'04	0.68287 AU
morning max el	6909 Mar 24 00:32	11°♊15'22	23°06'30	morning rise	6910 Feb 21 03:02	21°♊27'33	
desc. node	6909 Mar 29 18:04	17°♊44'43		direct	6910 Feb 25 15:23	19°♊36'22	
	6909 Apr 07 21:59	0°♊		morning max el	6910 Mar 06 13:54	24°♊48'39	21°39'45
	6909 Apr 27 08:59	0°♊			6910 Mar 11 04:57	0°♊	
morning set	6909 Apr 27 17:20	0°♊34'44		desc. node	6910 Mar 16 15:05	7°♊02'03	
max. Earth dist.	6909 May 02 00:18	7°♊51'54	1.39630 AU		6910 Apr 01 08:37	0°♊	
				morning set	6910 Apr 07 17:15	9°♊56'50	
superior conj	6909 May 09 16:40	21°♊35'00	-1°38'23	max. Earth dist.	6910 Apr 14 00:02	20°♊08'56	1.41783 AU
minimum elong	6909 May 09 22:03	21°♊59'49	1°37'47		6910 Apr 19 19:57	0°♊	
	6909 May 14 04:34	0°♊		superior conj	6910 Apr 21 14:18	3°♊03'36	-2°00'29
evening rise	6909 May 19 07:06	9°♊46'16		minimum elong	6910 Apr 21 19:04	3°♊24'24	2°00'13
asc. node	6909 May 21 07:41	13°♊38'20		evening rise	6910 May 02 12:19	22°♊42'39	
	6909 May 30 17:57	0°♊			6910 May 06 12:12	0°♊	
evening max el	6909 Jun 04 10:22	5°♊46'01	18°33'53	asc. node	6910 May 08 04:44	3°♊01'01	
retrograde	6909 Jun 12 05:50	9°♊38'31		evening max el	6910 May 18 19:39	18°♊33'26	18°10'38
evening set	6909 Jun 14 09:35	9°♊21'45		retrograde	6910 May 25 17:16	22°♊02'30	
inferior conj	6909 Jun 22 02:31	4°♊53'48	1°02'58	evening set	6910 May 28 04:18	21°♊36'30	
minimum elong	6909 Jun 22 04:42	4°♊49'34	1°02'08	inferior conj	6910 Jun 04 02:46	16°♊48'17	2°16'01
min. Earth dist.	6909 Jun 25 10:44	2°♊19'40	0.57739 AU	minimum elong	6910 Jun 04 06:00	16°♊40'58	2°15'05
desc. node	6909 Jun 25 17:23	2°♊07'32		min. Earth dist.	6910 Jun 07 11:17	13°♊47'50	0.59899 AU
	6909 Jun 29 00:53	30°♊		morning rise	6910 Jun 11 04:54	11°♊01'26	
morning rise	6909 Jun 29 20:27	29°♊35'00		desc. node	6910 Jun 12 14:26	10°♊15'50	

direct	6910 Jun 17 16:01	9°II02'43		morning max el	6911 Jun 14 05:54	28°850'02	27°54'22
morning max el	6910 Jul 02 00:39	16°II56'59	27°39'11		6911 Jun 15 09:12	0°II	
	6910 Jul 12 19:17	0°8			6911 Jul 06 16:29	0°8	
	6910 Jul 30 11:28	0°9		morning set	6911 Jul 17 23:13	21°811'08	
morning set	6910 Aug 02 21:53	6°959'11		asc. node	6911 Jul 22 01:02	29°841'38	
asc. node	6910 Aug 04 04:00	9°937'21			6911 Jul 22 04:29	0°9	
max. Earth dist.	6910 Aug 09 05:34	20°936'27	1.31799 AU	max. Earth dist.	6911 Jul 23 12:55	2°954'16	1.32206 AU
superior conj	6910 Aug 10 01:57	22°928'55	0°57'43	superior conj	6911 Jul 25 11:31	7°907'30	0°34'47
minimum elong	6910 Aug 09 23:49	22°917'06	0°57'18	minimum elong	6911 Jul 25 10:00	6°959'11	0°34'25
	6910 Aug 13 11:38	0°9		evening rise	6911 Aug 01 07:52	22°902'49	
evening rise	6910 Aug 16 20:23	7°918'09			6911 Aug 05 03:29	0°9	
	6910 Aug 28 14:22	0°9			6911 Aug 24 03:55	0°9	
desc. node	6910 Sep 08 13:35	15°959'19		evening max el	6911 Aug 26 05:41	2°907'14	24°17'58
evening max el	6910 Sep 13 16:02	21°930'46	25°47'12	desc. node	6911 Aug 26 10:37	2°919'00	
retrograde	6910 Sep 27 14:46	28°935'35		retrograde	6911 Sep 09 00:35	9°902'45	
evening set	6910 Oct 03 19:38	27°904'49		evening set	6911 Sep 13 23:08	8°908'44	
min. Earth dist.	6910 Oct 08 04:29	24°928'46	0.58271 AU	min. Earth dist.	6911 Sep 19 16:37	5°915'41	0.56438 AU
inferior conj	6910 Oct 11 07:44	22°914'23	-5°07'51	inferior conj	6911 Sep 22 04:52	3°941'32	-5°27'45
minimum elong	6910 Oct 11 12:59	22°904'56	5°07'04	minimum elong	6911 Sep 22 04:42	3°941'47	5°27'45
morning rise	6910 Oct 19 08:42	17°952'39			6911 Sep 29 08:34	30°9	
direct	6910 Oct 21 17:40	17°934'42		morning rise	6911 Sep 30 12:32	29°940'34	
morning max el	6910 Oct 30 03:47	21°937'30	18°42'13	direct	6911 Oct 03 04:50	29°921'29	
asc. node	6910 Oct 31 03:24	22°937'12			6911 Oct 06 21:17	0°9	
	6910 Nov 05 16:29	0°9		morning max el	6911 Oct 12 23:19	3°956'59	19°40'45
morning set	6910 Nov 15 10:18	17°940'46		asc. node	6911 Oct 18 00:25	9°951'41	
	6910 Nov 21 18:30	0°9			6911 Oct 29 11:19	0°9	
				morning set	6911 Oct 30 13:25	2°911'01	
superior conj	6910 Nov 24 02:05	4°924'07	1°17'05	superior conj	6911 Nov 07 10:38	18°904'05	1°33'15
minimum elong	6910 Nov 24 05:28	4°940'03	1°16'45	minimum elong	6911 Nov 07 12:53	18°915'13	1°33'07
max. Earth dist.	6910 Dec 01 07:11	17°932'12	1.39662 AU	max. Earth dist.	6911 Nov 13 12:36	29°944'53	1.37534 AU
evening rise	6910 Dec 05 08:13	24°929'56			6911 Nov 13 15:51	0°9	
desc. node	6910 Dec 05 12:43	24°948'54		evening rise	6911 Nov 17 06:34	6°934'10	
	6910 Dec 08 15:43	0°9		desc. node	6911 Nov 22 09:44	15°926'09	
	6910 Dec 28 20:05	0°9			6911 Dec 01 13:24	0°9	
evening max el	6911 Jan 09 08:57	13°943'24	24°06'08	evening max el	6911 Dec 22 21:59	27°929'27	25°21'37
retrograde	6911 Jan 20 12:13	20°916'06			6911 Dec 25 16:00	0°9	
evening set	6911 Jan 25 19:08	18°904'00		retrograde	6912 Jan 04 00:27	4°927'53	
asc. node	6911 Jan 27 02:39	16°949'08		evening set	6912 Jan 09 20:27	2°903'00	
min. Earth dist.	6911 Jan 30 12:38	12°936'55	0.68042 AU		6912 Jan 11 22:32	30°9	
inferior conj	6911 Jan 31 06:31	11°936'25	1°20'52	asc. node	6912 Jan 13 23:42	27°932'27	
minimum elong	6911 Jan 31 04:47	11°942'18	1°20'15	min. Earth dist.	6912 Jan 14 06:37	27°910'23	0.67428 AU
morning rise	6911 Feb 05 14:28	5°933'37		inferior conj	6912 Jan 15 11:39	25°936'35	0°30'00
direct	6911 Feb 09 13:19	4°904'48		minimum elong	6912 Jan 15 10:54	25°938'59	0°29'46
morning max el	6911 Feb 17 10:06	8°933'16	20°22'50	morning rise	6912 Jan 21 01:40	19°941'27	
desc. node	6911 Mar 03 12:05	26°949'40		direct	6912 Jan 24 12:22	18°933'05	
	6911 Mar 05 16:02	0°9		morning max el	6912 Jan 31 14:16	22°928'49	19°19'49
morning set	6911 Mar 17 18:29	18°919'47			6912 Feb 06 20:04	0°9	
	6911 Mar 25 04:56	0°9		greatest brilliancy	6912 Feb 13 17:56	9°958'00	-0.7m
max. Earth dist.	6911 Mar 27 06:59	3°920'12	1.43599 AU	desc. node	6912 Feb 18 09:04	16°958'53	
superior conj	6911 Apr 02 12:06	13°928'15	-2°10'38	morning set	6912 Feb 24 17:31	26°945'09	
minimum elong	6911 Apr 02 12:49	13°931'10	2°10'40		6912 Feb 26 19:53	0°9	
	6911 Apr 12 05:49	0°8		max. Earth dist.	6912 Mar 08 21:05	17°915'45	1.44858 AU
evening rise	6911 Apr 15 00:51	4°851'47		superior conj	6912 Mar 12 09:18	22°949'26	-2°03'06
asc. node	6911 Apr 25 01:48	21°859'32		minimum elong	6912 Mar 12 03:17	22°925'29	2°02'47
	6911 Apr 30 18:04	0°II			6912 Mar 16 20:45	0°9	
evening max el	6911 May 02 08:22	1°II43'45	18°06'46	evening rise	6912 Mar 26 16:14	16°904'50	
retrograde	6911 May 08 19:15	5°II04'50			6912 Apr 04 02:12	0°8	
evening set	6911 May 11 13:26	4°II27'12		asc. node	6912 Apr 10 22:51	10°825'24	
	6911 May 17 05:16	30°8		evening max el	6912 Apr 14 21:20	15°807'58	18°21'33
inferior conj	6911 May 17 21:08	29°819'20	3°00'57	retrograde	6912 Apr 21 07:27	18°835'16	
minimum elong	6911 May 17 23:36	29°812'56	3°00'28	evening set	6912 Apr 24 08:29	17°844'38	
min. Earth dist.	6911 May 20 20:01	26°817'23	0.62125 AU	inferior conj	6912 Apr 30 05:26	12°818'20	3°22'55
morning rise	6911 May 24 08:00	23°815'22		minimum elong	6912 Apr 30 06:29	12°815'17	3°22'47
desc. node	6911 May 30 11:28	20°849'44		min. Earth dist.	6912 May 02 13:51	9°836'16	0.64152 AU
direct	6911 May 31 02:45	20°848'29					

morning rise	6912 May 06 03:34	6°♄05'36		minimum elong	6913 Apr 13 23:33	25°♄39'31	3°27'02
direct	6912 May 12 21:49	3°♄21'48		min. Earth dist.	6913 Apr 15 16:45	23°♄30'26	0.65820 AU
desc. node	6912 May 16 08:29	3°♄58'56		morning rise	6913 Apr 19 12:33	19°♄22'16	
morning max el	6912 May 26 14:56	11°♄20'36	27°32'46	direct	6913 Apr 25 23:51	16°♄34'15	
	6912 Jun 10 09:11	0°♄		desc. node	6913 May 03 05:29	19°♄17'18	
	6912 Jun 28 03:31	0°♄		morning max el	6913 May 09 01:17	24°♄18'34	26°40'08
morning set	6912 Jun 30 16:43	4°♄56'57			6913 May 14 04:04	0°♄	
max. Earth dist.	6912 Jul 05 13:17	14°♄48'55	1.33082 AU		6913 Jun 03 19:08	0°♄	
asc. node	6912 Jul 07 22:04	19°♄47'59		morning set	6913 Jun 13 23:11	18°♄07'58	
				max. Earth dist.	6913 Jun 18 03:38	26°♄15'47	1.34431 AU
superior conj	6912 Jul 08 17:11	21°♄29'58	0°08'11		6913 Jun 20 00:19	0°♄	
minimum elong	6912 Jul 08 16:47	21°♄27'48	0°08'02				
behind sun begin	6912 Jul 08 12:04	21°♄02'36		superior conj	6913 Jun 22 16:43	5°♄30'05	-0°21'16
behind sun end	6912 Jul 08 21:30	21°♄53'01		minimum elong	6913 Jun 22 17:53	5°♄36'10	0°21'05
	6912 Jul 12 16:00	0°♄		asc. node	6913 Jun 24 19:05	9°♄52'41	
evening rise	6912 Jul 15 19:23	6°♄43'41		evening rise	6913 Jun 30 05:00	21°♄15'01	
	6912 Jul 28 02:53	0°♄			6913 Jul 04 12:22	0°♄	
evening max el	6912 Aug 06 18:05	12°♄23'13	22°39'18	evening max el	6913 Jul 19 13:48	22°♄53'50	21°07'08
desc. node	6912 Aug 12 07:39	16°♄43'59		desc. node	6913 Jul 30 04:42	28°♄42'16	
retrograde	6912 Aug 19 21:35	18°♄56'26		retrograde	6913 Jul 31 10:34	28°♄46'02	
evening set	6912 Aug 23 07:43	18°♄30'45		evening set	6913 Aug 02 17:13	28°♄33'52	
min. Earth dist.	6912 Aug 31 01:39	15°♄05'18	0.55162 AU	inferior conj	6913 Aug 12 00:21	24°♄36'10	-3°40'10
inferior conj	6912 Sep 01 07:27	14°♄22'55	-5°00'34	minimum elong	6913 Aug 11 15:15	24°♄48'58	3°37'27
minimum elong	6912 Sep 01 00:23	14°♄32'59	4°59'26	min. Earth dist.	6913 Aug 12 11:03	24°♄21'06	0.54726 AU
morning rise	6912 Sep 09 19:01	10°♄33'59		morning rise	6913 Aug 20 13:48	20°♄40'50	
direct	6912 Sep 12 22:17	10°♄11'24		direct	6913 Aug 24 06:35	20°♄11'29	
morning max el	6912 Sep 24 06:13	15°♄29'00	21°01'16	morning max el	6913 Sep 06 01:51	26°♄16'44	22°39'24
asc. node	6912 Oct 03 21:26	27°♄58'01			6913 Sep 09 15:02	0°♄	
	6912 Oct 05 02:33	0°♄		asc. node	6913 Sep 20 18:26	16°♄43'43	
morning set	6912 Oct 13 21:26	16°♄54'23			6913 Sep 27 12:19	0°♄	
	6912 Oct 20 03:58	0°♄		morning set	6913 Sep 28 08:10	1°♄44'02	
superior conj	6912 Oct 21 06:18	2°♄16'06	1°41'06	superior conj	6913 Oct 05 09:35	16°♄49'17	1°41'46
minimum elong	6912 Oct 21 07:07	2°♄20'20	1°41'07	minimum elong	6913 Oct 05 09:05	16°♄46'39	1°41'48
max. Earth dist.	6912 Oct 25 22:03	11°♄40'00	1.35583 AU	max. Earth dist.	6913 Oct 08 15:02	23°♄36'41	1.33976 AU
evening rise	6912 Oct 29 23:35	19°♄28'50			6913 Oct 11 18:16	0°♄	
	6912 Nov 04 19:33	0°♄		evening rise	6913 Oct 13 07:12	3°♄02'55	
desc. node	6912 Nov 08 06:45	5°♄52'29		desc. node	6913 Oct 26 03:47	26°♄01'38	
	6912 Nov 24 15:04	0°♄			6913 Oct 28 15:56	0°♄	
evening max el	6912 Dec 04 11:04	11°♄14'10	26°25'13	evening max el	6913 Nov 16 23:52	24°♄47'41	27°09'41
retrograde	6912 Dec 17 07:25	18°♄27'36			6913 Nov 23 15:05	0°♄	
evening set	6912 Dec 23 16:13	15°♄53'16		retrograde	6913 Nov 30 08:41	2°♄06'54	
min. Earth dist.	6912 Dec 27 19:46	11°♄35'43	0.66451 AU		6913 Dec 06 11:23	30°♄	
inferior conj	6912 Dec 29 12:16	9°♄33'11	-0°27'27	evening set	6913 Dec 07 04:16	29°♄28'49	
minimum elong	6912 Dec 29 13:01	9°♄30'54	0°27'04	min. Earth dist.	6913 Dec 11 01:48	25°♄45'53	0.65116 AU
asc. node	6912 Dec 30 20:44	7°♄56'27		inferior conj	6913 Dec 13 06:07	23°♄20'27	-1°30'28
morning rise	6913 Jan 04 10:32	3°♄48'09		minimum elong	6913 Dec 13 08:47	23°♄13'00	1°29'18
direct	6913 Jan 07 10:45	2°♄57'07		asc. node	6913 Dec 17 17:45	18°♄56'57	
morning max el	6913 Jan 14 01:22	6°♄32'06	18°32'41	morning rise	6913 Dec 19 14:33	17°♄48'20	
	6913 Jan 30 13:56	0°♄		direct	6913 Dec 22 06:15	17°♄10'54	
morning set	6913 Feb 03 13:44	6°♄19'26		morning max el	6913 Dec 28 17:00	20°♄36'03	18°02'13
desc. node	6913 Feb 04 06:02	7°♄24'00			6914 Jan 04 22:08	0°♄	
	6913 Feb 18 14:39	0°♄		morning set	6914 Jan 15 15:32	17°♄22'08	
				desc. node	6914 Jan 22 03:01	27°♄59'47	
superior conj	6913 Feb 19 14:37	1°♄33'49	-1°35'33		6914 Jan 23 08:39	0°♄	
minimum elong	6913 Feb 19 05:01	0°♄56'16	1°34'35	superior conj	6914 Jan 29 22:46	10°♄33'19	-0°53'35
max. Earth dist.	6913 Feb 19 15:43	1°♄38'08	1.45421 AU	minimum elong	6914 Jan 29 16:22	10°♄07'58	0°52'41
evening rise	6913 Mar 07 08:14	26°♄21'05		max. Earth dist.	6914 Feb 02 11:23	16°♄07'22	1.45233 AU
	6913 Mar 09 15:20	0°♄			6914 Feb 11 08:55	0°♄	
greatest brilliancy	6913 Mar 16 05:44	10°♄27'24	-0.8m		6914 Feb 15 04:02	5°♄52'21	
asc. node	6913 Mar 28 19:54	28°♄08'36		evening rise	6914 Feb 28 19:04	26°♄39'16	-0.7m
evening max el	6913 Mar 29 07:52	28°♄39'40	18°54'13	greatest brilliancy	6914 Mar 03 01:47	0°♄	
	6913 Mar 30 18:14	0°♄			6914 Mar 12 14:03	12°♄14'34	19°43'28
retrograde	6913 Apr 05 02:00	2°♄25'56		evening max el	6914 Mar 15 16:57	14°♄56'34	
evening set	6913 Apr 08 10:07	1°♄21'33		asc. node	6914 Mar 19 23:44	16°♄30'28	
	6913 Apr 10 03:35	30°♄		retrograde	6914 Mar 23 15:44	15°♄11'49	
inferior conj	6913 Apr 13 23:54	25°♄38'27	3°27'05	evening set			

inferior conj	6914 Mar 29 01:20	9° Υ 13'57	3°17'20	retrograde	6915 Mar 03 22:10	0° Υ 44'11	
minimum elong	6914 Mar 28 23:55	9° Υ 18'41	3°17'09		6915 Mar 06 17:16	30° \Re 11	
min. Earth dist.	6914 Mar 30 03:23	7° Υ 47'15	0.67060 AU	evening set	6915 Mar 07 23:20	29° \Re 10'42	
morning rise	6914 Apr 03 07:49	2° Υ 57'32		inferior conj	6915 Mar 13 07:09	23° \Re 00'28	2°56'20
direct	6914 Apr 09 08:03	0° Υ 16'39		minimum elong	6915 Mar 13 05:03	23° \Re 07'41	2°55'55
desc. node	6914 Apr 20 02:28	6° Υ 12'18		min. Earth dist.	6915 Mar 13 19:40	22° \Re 17'21	0.67868 AU
morning max el	6914 Apr 21 10:59	7° Υ 32'04	25°25'12	morning rise	6915 Mar 18 10:34	16° \Re 45'57	
	6914 May 08 23:17	0° \Re		direct	6915 Mar 23 21:26	14° \Re 20'40	
	6914 May 27 07:10	0° Π		morning max el	6915 Apr 03 19:47	20° \Re 52'36	23°58'01
morning set	6914 May 27 14:26	0° Π 32'51		desc. node	6915 Apr 06 23:27	24° \Re 17'08	
max. Earth dist.	6914 May 31 07:01	7° Π 21'28	1.36220 AU		6915 Apr 11 16:04	0° Υ	
					6915 May 02 04:51	0° \Re	
superior conj	6914 Jun 06 07:23	19° Π 00'53	-0°52'10	morning set	6915 May 09 08:56	11° \Re 55'51	
minimum elong	6914 Jun 06 10:25	19° Π 16'03	0°51'40	max. Earth dist.	6915 May 13 03:03	18° \Re 29'52	1.38344 AU
asc. node	6914 Jun 11 16:07	29° Π 51'57			6915 May 19 09:47	0° Π	
	6914 Jun 11 17:42	0° \Re					
evening rise	6914 Jun 14 10:32	5° \Re 30'34		superior conj	6915 May 20 09:37	1° Π 52'38	-1°22'27
	6914 Jun 28 08:59	0° Ω		minimum elong	6915 May 20 14:24	2° Π 15'21	1°21'48
evening max el	6914 Jul 01 22:14	4° Ω 04'27	19°51'41	evening rise	6915 May 29 09:19	19° Π 22'02	
retrograde	6914 Jul 12 02:25	9° Ω 04'31		asc. node	6915 May 29 13:09	19° Π 40'50	
evening set	6914 Jul 13 23:23	8° Ω 55'04			6915 Jun 03 22:32	0° \Re	
desc. node	6914 Jul 17 01:44	8° Ω 01'40		evening max el	6915 Jun 14 18:57	15° \Re 58'23	18°56'24
inferior conj	6914 Jul 22 22:08	4° Ω 53'59	-1°46'11	retrograde	6915 Jun 23 08:13	20° \Re 11'07	
minimum elong	6914 Jul 22 17:14	5° Ω 01'30	1°44'24	evening set	6915 Jun 25 08:11	19° \Re 58'15	
min. Earth dist.	6914 Jul 24 23:04	3° Ω 39'13	0.55255 AU	inferior conj	6915 Jul 03 12:44	15° \Re 42'03	0°07'30
morning rise	6914 Jul 31 09:07	0° Ω 31'46		minimum elong	6915 Jul 03 13:02	15° \Re 41'31	0°07'19
	6914 Aug 02 12:47	30° \Re 11		transit middle	6915 Jul 03 13:02	15° \Re 41'31	0°07'19
direct	6914 Aug 04 19:56	29° \Re 48'11		transit begin	6915 Jul 03 09:42	15° \Re 47'24	
	6914 Aug 07 02:46	0° Ω		transit end	6915 Jul 03 16:23	15° \Re 35'37	
morning max el	6914 Aug 18 15:30	6° Ω 38'12	24°24'26	desc. node	6915 Jul 03 22:47	15° \Re 24'16	
	6914 Sep 04 11:00	0° \Re		min. Earth dist.	6915 Jul 06 14:33	13° \Re 32'37	0.56654 AU
asc. node	6914 Sep 07 15:26	5° \Re 59'10		morning rise	6915 Jul 11 14:33	10° \Re 43'31	
morning set	6914 Sep 12 19:54	16° \Re 35'14		direct	6915 Jul 16 22:50	9° \Re 35'25	
	6914 Sep 19 00:16	0° Ω		morning max el	6915 Jul 31 05:31	16° \Re 58'50	26°00'54
					6915 Aug 10 22:13	0° Ω	
superior conj	6914 Sep 19 17:51	1° Ω 35'49	1°36'12	asc. node	6915 Aug 25 12:27	25° Ω 35'44	
minimum elong	6914 Sep 19 16:20	1° Ω 27'38	1°36'06		6915 Aug 27 15:26	0° \Re	
max. Earth dist.	6914 Sep 21 16:19	5° Ω 47'43	1.32801 AU	morning set	6915 Aug 28 06:59	1° \Re 22'10	
evening rise	6914 Sep 27 01:48	17° Ω 07'17					
	6914 Oct 03 17:30	0° \Re		superior conj	6915 Sep 04 04:50	16° \Re 27'40	1°25'07
desc. node	6914 Oct 13 00:50	15° \Re 46'14		minimum elong	6915 Sep 04 02:43	16° \Re 16'02	1°24'50
	6914 Oct 23 04:48	0° \Re		max. Earth dist.	6915 Sep 04 23:53	18° \Re 12'46	1.32071 AU
evening max el	6914 Oct 30 11:10	7° \Re 59'06	27°28'06		6915 Sep 10 10:34	0° Ω	
retrograde	6914 Nov 13 03:40	15° \Re 17'00		evening rise	6915 Sep 11 04:09	1° Ω 32'13	
evening set	6914 Nov 20 05:54	12° \Re 43'48			6915 Sep 26 16:01	0° \Re	
min. Earth dist.	6914 Nov 23 22:51	9° \Re 32'29	0.63452 AU	desc. node	6915 Sep 29 21:55	4° \Re 55'36	
inferior conj	6914 Nov 26 14:36	6° \Re 52'35	-2°37'02	evening max el	6915 Oct 12 18:48	20° \Re 35'38	27°15'04
minimum elong	6914 Nov 26 19:24	6° \Re 40'32	2°35'09	retrograde	6915 Oct 26 15:21	27° \Re 48'06	
morning rise	6914 Dec 03 10:39	1° \Re 36'16		evening set	6915 Nov 02 17:32	25° \Re 30'46	
asc. node	6914 Dec 04 14:46	1° \Re 15'54		min. Earth dist.	6915 Nov 06 09:31	22° \Re 43'59	0.61520 AU
direct	6914 Dec 05 20:10	1° \Re 08'35		inferior conj	6915 Nov 09 10:38	20° \Re 01'35	-3°43'16
morning max el	6914 Dec 12 10:12	4° \Re 33'13	17°49'00	minimum elong	6915 Nov 09 17:08	19° \Re 47'05	3°41'11
morning set	6914 Dec 28 19:35	29° \Re 40'52		morning rise	6915 Nov 16 18:50	15° \Re 04'15	
	6914 Dec 28 24:00	0° \Re		direct	6915 Nov 19 01:11	14° \Re 42'40	
desc. node	6915 Jan 09 00:02	18° \Re 42'29		asc. node	6915 Nov 21 11:48	15° \Re 08'42	
				morning max el	6915 Nov 26 01:46	18° \Re 15'11	17°54'01
					6915 Dec 04 12:39	0° \Re	
superior conj	6915 Jan 10 02:54	20° \Re 33'24	-0°08'03	morning set	6915 Dec 11 19:21	12° \Re 55'46	
minimum elong	6915 Jan 10 02:03	20° \Re 29'52	0°07'50		6915 Dec 21 08:03	0° \Re	
behind sun begin	6915 Jan 09 17:37	19° \Re 55'08					
behind sun end	6915 Jan 10 10:28	21° \Re 04'32					
	6915 Jan 15 22:41	0° \Re		superior conj	6915 Dec 22 09:03	1° \Re 48'37	0°32'21
max. Earth dist.	6915 Jan 16 05:08	0° \Re 25'46	1.44331 AU	minimum elong	6915 Dec 22 11:44	2° \Re 00'14	0°32'01
evening rise	6915 Jan 25 14:47	15° \Re 08'48		desc. node	6915 Dec 26 21:05	9° \Re 28'32	
	6915 Feb 04 10:15	0° \Re		max. Earth dist.	6915 Dec 29 19:14	14° \Re 19'20	1.42821 AU
evening max el	6915 Feb 23 14:53	25° \Re 51'04	20°46'53	evening rise	6916 Jan 05 08:08	24° \Re 49'13	
	6915 Feb 28 22:53	0° Υ			6916 Jan 08 15:58	0° \Re	
asc. node	6915 Mar 02 13:59	0° Υ 34'47			6916 Jan 29 10:15	0° \Re	

evening max el	6916 Feb 06 10:33	9°  29'50	22°00'49			6916 Dec 12 14:46	0° 	
retrograde	6916 Feb 15 19:26	15°  03'22		evening rise		6916 Dec 15 19:45	5°  20'08	
asc. node	6916 Feb 17 11:02	14°  49'13				6916 Dec 31 20:59	0° 	
evening set	6916 Feb 20 07:12	13°  14'38		evening max el		6917 Jan 19 02:06	23°  10'56	23°20'18
inferior conj	6916 Feb 25 15:12	6°  54'54	2°25'49	retrograde		6917 Jan 29 14:01	29°  23'24	
minimum elong	6916 Feb 25 12:52	7°  02'59	2°25'12	asc. node		6917 Feb 03 08:05	27°  31'05	
min. Earth dist.	6916 Feb 25 15:20	6°  54'26	0.68251 AU	evening set		6917 Feb 03 13:45	27°  19'25	
morning rise	6916 Mar 01 18:22	0°  43'54		inferior conj		6917 Feb 08 23:31	20°  53'39	1°46'51
	6916 Mar 02 16:48	30° 		minimum elong		6917 Feb 08 21:26	21°  00'50	1°46'10
direct	6916 Mar 06 15:01	28°  39'27		min. Earth dist.		6917 Feb 08 12:02	21°  33'05	0.68231 AU
	6916 Mar 10 22:42	0° 		morning rise		6917 Feb 14 05:02	14°  47'36	
morning max el	6916 Mar 16 06:18	4°  20'07	22°28'45	direct		6917 Feb 18 11:37	13°  05'57	
desc. node	6916 Mar 23 20:28	13°  12'28		morning max el		6917 Feb 26 22:15	17°  57'53	21°05'38
	6916 Apr 04 20:47	0° 				6917 Mar 08 18:15	0° 	
morning set	6916 Apr 19 01:09	22°  03'31		desc. node		6917 Mar 10 17:27	2°  43'46	
	6916 Apr 23 19:46	0° 				6917 Mar 28 23:42	0° 	
max. Earth dist.	6916 Apr 23 23:53	0°  17'28	1.40576 AU	morning set		6917 Mar 29 13:54	0°  55'41	
				max. Earth dist.		6917 Apr 06 03:09	13°  00'44	1.42619 AU
superior conj	6916 May 01 19:11	13°  55'43	-1°48'49					
minimum elong	6916 May 02 00:38	14°  20'15	1°48'21	superior conj		6917 Apr 13 07:08	24°  05'13	-2°06'36
	6916 May 10 11:47	0° 		minimum elong		6917 Apr 13 10:39	25°  09'14	2°06'30
evening rise	6916 May 11 22:07	2°  41'42				6917 Apr 16 05:18	0° 	
asc. node	6916 May 15 10:13	9°  15'01		evening rise		6917 Apr 24 20:47	15°  19'29	
evening max el	6916 May 28 00:47	28°  29'29	18°21'32	asc. node		6917 May 02 07:16	28°  28'26	
	6916 May 29 18:14	0° 				6917 May 03 05:03	0° 	
retrograde	6916 Jun 04 09:15	2°  09'35		evening max el		6917 May 11 11:54	11°  27'46	18°06'33
evening set	6916 Jun 06 16:15	1°  49'07		retrograde		6917 May 18 03:33	14°  25'38	
	6916 Jun 10 09:12	30° 		evening set		6917 May 20 17:45	14°  20'49	
inferior conj	6916 Jun 14 00:57	27°  12'32	1°37'35	inferior conj		6917 May 27 09:24	9°  23'44	2°38'13
minimum elong	6916 Jun 14 03:53	27°  06'27	1°36'35	minimum elong		6917 May 27 12:27	9°  16'23	2°37'28
min. Earth dist.	6916 Jun 17 10:55	24°  24'24	0.58641 AU	min. Earth dist.		6917 May 30 14:32	6°  20'02	0.60862 AU
desc. node	6916 Jun 19 19:49	22°  41'19		morning rise		6917 Jun 03 04:51	3°  28'25	
morning rise	6916 Jun 21 12:22	21°  40'51		desc. node		6917 Jun 06 16:50	1°  46'12	
direct	6916 Jun 27 15:37	20°  21'06		direct		6917 Jun 09 20:08	1°  21'04	
morning max el	6916 Jul 12 00:50	27°  45'53	27°13'04	morning max el		6917 Jun 24 02:57	9°  21'46	27°50'23
	6916 Jul 14 04:52	0° 				6917 Jul 10 02:30	0° 	
	6916 Aug 03 13:23	0° 		morning set		6917 Jul 26 20:27	0°  23'58	
asc. node	6916 Aug 11 09:30	15°  27'19				6917 Jul 26 15:49	0° 	
morning set	6916 Aug 11 15:46	16°  00'13		asc. node		6917 Jul 29 06:33	5°  28'35	
	6916 Aug 18 02:25	0° 		max. Earth dist.		6917 Aug 01 20:24	13°  21'44	1.31922 AU
superior conj	6916 Aug 18 16:40	1°  09'03		superior conj		6917 Aug 03 03:35	16°  20'45	0°48'29
minimum elong	6916 Aug 18 14:24	1°  06'26	1°08'38	minimum elong		6917 Aug 03 01:39	15°  25'24	0°48'03
max. Earth dist.	6916 Aug 18 10:32	0°  45'01	1.31779 AU	evening rise		6917 Aug 09 22:23	0° 	
evening rise	6916 Aug 25 11:44	16°  10'17				6917 Aug 09 12:11	0° 	
	6916 Sep 01 08:27	0° 				6917 Aug 25 16:34	0° 	
desc. node	6916 Sep 15 18:58	23°  15'48		desc. node		6917 Sep 02 16:00	10°  27'20	
	6916 Sep 21 10:04	0° 		evening max el		6917 Sep 05 13:10	13°  26'11	25°11'23
evening max el	6916 Sep 23 20:00	2°  25'54	26°28'12	retrograde		6917 Sep 19 10:42	20°  27'43	
retrograde	6916 Oct 07 18:10	9°  32'35		evening set		6917 Sep 25 04:27	19°  23'31	
evening set	6916 Oct 14 10:36	7°  42'13		min. Earth dist.		6917 Sep 30 00:41	16°  31'45	0.57446 AU
min. Earth dist.	6916 Oct 18 09:30	5°  07'25	0.59451 AU	inferior conj		6917 Oct 02 23:35	14°  32'36	-5°20'58
inferior conj	6916 Oct 21 14:41	2°  38'02	-4°42'00	minimum elong		6917 Oct 03 03:01	14°  26'49	5°20'40
minimum elong	6916 Oct 21 21:18	2°  25'11	4°40'33	morning rise		6917 Oct 11 03:52	10°  20'31	
	6916 Oct 25 05:52	30° 		direct		6917 Oct 13 15:37	10°  02'18	
morning rise	6916 Oct 29 10:11	28°  02'43		morning max el		6917 Oct 22 14:16	14°  17'12	19°04'26
direct	6916 Oct 31 17:07	27°  44'06		asc. node		6917 Oct 25 05:53	17°  09'39	
	6916 Nov 06 17:11	0° 				6917 Nov 02 12:32	0° 	
asc. node	6916 Nov 07 08:51	0°  31'05		morning set		6917 Nov 08 08:07	11°  09'22	
morning max el	6916 Nov 08 12:16	1°  32'55	18°18'37					
morning set	6916 Nov 24 08:57	26°  49'17		superior conj		6917 Nov 16 15:05	27°  28'25	1°25'01
	6916 Nov 26 01:00	0° 		minimum elong		6917 Nov 16 18:04	27°  42'44	1°24'47
superior conj	6916 Dec 03 14:48	14°  28'12	1°03'34			6917 Nov 17 22:48	0° 	
minimum elong	6916 Dec 03 18:27	14°  28'12	1°03'09	max. Earth dist.		6917 Nov 23 10:32	10°  29'06	1.38745 AU
max. Earth dist.	6916 Dec 11 04:45	27°  35'41	1.40881 AU	evening rise		6917 Nov 27 05:45	16°  21'19	
desc. node	6916 Dec 12 18:06	0° 		desc. node		6917 Nov 29 15:08	20°  27'50	
						6917 Dec 05 04:13	0° 	

	6917 Dec 26 09:26	0°♊				6918 Nov 09 21:43	0°♊	
evening max el	6918 Jan 01 15:22	6°♊55'07	24°39'09	desc. node		6918 Nov 16 12:09	11°♊29'05	
retrograde	6918 Jan 13 04:53	13°♊40'05				6918 Nov 28 10:35	0°♊	
evening set	6918 Jan 18 17:28	11°♊21'56		evening max el		6918 Dec 15 04:08	20°♊40'32	25°50'31
asc. node	6918 Jan 21 05:07	8°♊49'14		retrograde		6918 Dec 27 15:07	27°♊47'31	
min. Earth dist.	6918 Jan 23 07:38	6°♊09'42	0.67828 AU	evening set		6919 Jan 02 16:39	25°♊17'52	
inferior conj	6918 Jan 24 06:20	4°♊54'13	1°00'10	min. Earth dist.		6919 Jan 06 23:50	20°♊40'10	0.67052 AU
minimum elong	6918 Jan 24 04:57	4°♊58'49	0°59'40	inferior conj		6919 Jan 08 09:46	18°♊53'13	0°06'24
	6918 Jan 28 09:12	30°♋♊		minimum elong		6919 Jan 08 09:36	18°♊53'45	0°06'23
morning rise	6918 Jan 29 16:36	28°♊54'43		transit middle		6919 Jan 08 09:36	18°♊53'45	0°06'23
direct	6918 Feb 02 10:05	27°♊35'03		transit begin		6919 Jan 08 07:00	19°♊01'57	
	6918 Feb 07 22:09	0°♊		transit end		6919 Jan 08 12:12	18°♊45'33	
morning max el	6918 Feb 09 21:57	1°♊47'57	19°54'15	asc. node		6919 Jan 08 02:09	19°♊17'16	
greatest brilliancy	6918 Feb 23 03:31	19°♊03'35	-0.6m	morning rise		6919 Jan 14 03:03	13°♊02'09	
desc. node	6918 Feb 25 14:27	22°♊41'23		direct		6919 Jan 17 08:57	12°♊01'47	
	6918 Mar 02 11:03	0°♋		morning max el		6919 Jan 24 05:19	15°♊47'38	18°57'45
morning set	6918 Mar 08 11:00	9°♋10'35				6919 Feb 04 00:34	0°♊	
max. Earth dist.	6918 Mar 19 13:30	26°♋33'13	1.44212 AU	desc. node		6919 Feb 12 11:26	12°♊58'00	
	6918 Mar 21 17:14	0°♌		morning set		6919 Feb 15 16:46	17°♊58'58	
						6919 Feb 23 09:40	0°♋	
superior conj	6918 Mar 24 18:02	4°♌54'01	-2°09'53	max. Earth dist.		6919 Mar 02 05:20	10°♋40'29	1.45179 AU
minimum elong	6918 Mar 24 15:59	4°♌45'40	2°09'51					
evening rise	6918 Apr 07 00:48	27°♌05'47		superior conj		6919 Mar 04 06:41	13°♋54'37	-1°53'43
	6918 Apr 08 17:34	0°♌		minimum elong		6919 Mar 03 22:22	13°♋21'51	1°53'07
asc. node	6918 Apr 19 04:18	17°♌14'13				6919 Mar 14 09:11	0°♌	
evening max el	6918 Apr 25 00:59	24°♌44'34	18°10'45	evening rise		6919 Mar 19 06:16	7°♌54'10	
retrograde	6918 May 01 10:34	28°♌07'02				6919 Apr 02 02:44	0°♌	
evening set	6918 May 04 07:33	27°♌24'06		asc. node		6919 Apr 06 01:20	5°♌23'42	
inferior conj	6918 May 10 10:12	22°♌08'02	3°12'45	evening max el		6919 Apr 08 13:11	8°♌12'56	18°33'23
minimum elong	6918 May 10 12:06	22°♌02'51	3°12'27	retrograde		6919 Apr 15 01:52	11°♌47'05	
min. Earth dist.	6918 May 13 03:12	19°♌12'16	0.63019 AU	evening set		6919 Apr 18 05:45	10°♌50'52	
morning rise	6918 May 16 15:15	15°♌59'11		inferior conj		6919 Apr 23 23:16	5°♌17'26	3°26'36
direct	6918 May 23 10:29	13°♌23'41		minimum elong		6919 Apr 23 23:43	5°♌16'07	3°26'32
desc. node	6918 May 24 13:50	13°♌27'43		min. Earth dist.		6919 Apr 26 01:11	2°♌48'11	0.64904 AU
morning max el	6918 Jun 06 10:22	21°♌25'54	27°49'29			6919 Apr 28 15:32	30°♋♌	
	6918 Jun 13 21:07	0°♍		morning rise		6919 Apr 29 16:56	29°♌02'32	
	6918 Jul 03 05:20	0°♎		direct		6919 May 06 08:53	26°♌15'05	
morning set	6918 Jul 10 18:48	14°♎26'17		desc. node		6919 May 11 10:49	27°♌36'04	
max. Earth dist.	6918 Jul 16 01:21	25°♎22'43	1.32519 AU			6919 May 15 04:34	0°♌	
asc. node	6918 Jul 16 03:33	25°♎34'27		morning max el		6919 May 19 20:19	4°♌10'22	27°13'43
						6919 Jun 08 08:53	0°♍	
superior conj	6918 Jul 18 11:44	0°♏36'40	0°23'54	morning set		6919 Jun 24 08:06	27°♍59'29	
minimum elong	6918 Jul 18 10:37	0°♏30'40	0°23'37			6919 Jun 25 08:46	0°♎	
	6918 Jul 18 04:58	0°♏		max. Earth dist.		6919 Jun 28 21:36	7°♎05'34	1.33593 AU
evening rise	6918 Jul 25 10:06	15°♏38'36						
	6918 Aug 01 12:39	0°♐		superior conj		6919 Jul 02 15:07	14°♎51'16	-0°04'03
evening max el	6918 Aug 18 01:03	23°♐49'24	23°36'05	minimum elong		6919 Jul 02 15:20	14°♎52'23	0°04'03
desc. node	6918 Aug 20 13:03	26°♐02'41		behind sun begin		6919 Jul 02 09:56	14°♎23'52	
	6918 Aug 27 12:51	0°♑		behind sun end		6919 Jul 02 20:44	15°♎20'56	
retrograde	6918 Aug 31 15:27	0°♑38'32		asc. node		6919 Jul 03 00:34	15°♎41'09	
evening set	6918 Sep 04 22:25	29°♐58'09		evening rise		6919 Jul 09 21:04	0°♏16'37	
	6918 Sep 04 19:58	30°♋♐				6919 Jul 09 17:55	0°♏	
min. Earth dist.	6918 Sep 11 10:58	26°♐52'54	0.55805 AU			6919 Jul 26 22:15	0°♐	
inferior conj	6918 Sep 13 12:15	25°♐39'25	-5°22'50	evening max el		6919 Jul 30 15:41	4°♐08'31	21°58'36
minimum elong	6918 Sep 13 09:00	25°♐44'17	5°22'37	desc. node		6919 Aug 07 10:04	9°♐29'21	
morning rise	6918 Sep 21 21:54	21°♐45'35		retrograde		6919 Aug 12 08:19	10°♐26'28	
direct	6918 Sep 24 18:19	21°♐25'29		evening set		6919 Aug 15 04:28	10°♐08'28	
morning max el	6918 Oct 05 04:41	26°♐17'46	20°12'29	inferior conj		6919 Aug 24 09:16	6°♐06'28	-4°32'30
	6918 Oct 08 14:44	0°♑		minimum elong		6919 Aug 24 00:27	6°♐18'50	4°30'30
asc. node	6918 Oct 12 02:54	4°♑48'01		min. Earth dist.		6919 Aug 23 20:15	6°♐24'43	0.54863 AU
morning set	6918 Oct 23 13:34	25°♑46'00		morning rise		6919 Sep 01 21:53	2°♐16'59	
	6918 Oct 25 15:06	0°♒		direct		6919 Sep 05 06:18	1°♐52'07	
				morning max el		6919 Sep 17 06:27	7°♐30'28	21°41'12
superior conj	6918 Oct 31 04:52	11°♒23'48	1°37'31	asc. node		6919 Sep 28 23:55	23°♐12'42	
minimum elong	6918 Oct 31 06:31	11°♒32'07	1°37'28			6919 Oct 02 17:19	0°♑	
max. Earth dist.	6918 Nov 05 16:39	22°♒10'21	1.36666 AU	morning set		6919 Oct 07 22:58	10°♑32'36	
evening rise	6918 Nov 09 12:31	29°♒18'12						

superior conj	6919 Oct 15 04:09	25° Ω 46'01	1°42'12	superior conj	6920 Sep 28 09:52	10° Ω 25'52	1°40'08
minimum elong	6919 Oct 15 04:24	25° Ω 47'15	1°42'14	minimum elong	6920 Sep 28 08:54	10° Ω 20'40	1°40'06
	6919 Oct 17 05:06	0° \mathbb{M}		max. Earth dist.	6920 Oct 01 01:34	16° Ω 05'47	1.33430 AU
max. Earth dist.	6919 Oct 19 04:45	4° \mathbb{M} 02'42	1.34855 AU	evening rise	6920 Oct 06 01:01	26° Ω 19'53	
evening rise	6919 Oct 23 12:17	12° \mathbb{M} 31'17			6920 Oct 07 21:47	0° \mathbb{M}	
	6919 Nov 02 06:52	0° \mathbb{A}		desc. node	6920 Oct 20 06:14	21° \mathbb{M} 48'56	
desc. node	6919 Nov 03 09:11	1° \mathbb{A} 48'53			6920 Oct 25 15:25	0° \mathbb{A}	
	6919 Nov 23 13:01	0° \mathbb{B}		evening max el	6920 Nov 09 05:55	17° \mathbb{A} 48'54	27°21'08
evening max el	6919 Nov 27 17:13	4° \mathbb{B} 21'49	26°46'56	retrograde	6920 Nov 22 18:26	25° \mathbb{A} 07'27	
retrograde	6919 Dec 10 19:52	11° \mathbb{B} 39'07		evening set	6920 Nov 29 17:26	22° \mathbb{A} 30'38	
evening set	6919 Dec 17 09:25	9° \mathbb{B} 02'33		min. Earth dist.	6920 Dec 03 12:55	19° \mathbb{A} 01'30	0.64446 AU
min. Earth dist.	6919 Dec 21 10:22	4° \mathbb{B} 59'33	0.65921 AU	inferior conj	6920 Dec 05 22:04	16° \mathbb{A} 29'03	-1°58'27
inferior conj	6919 Dec 23 07:48	2° \mathbb{B} 46'32	-0°53'37	minimum elong	6920 Dec 06 01:39	16° \mathbb{A} 19'30	1°56'56
minimum elong	6919 Dec 23 09:19	2° \mathbb{B} 42'04	0°52'55	asc. node	6920 Dec 11 20:14	11° \mathbb{A} 20'55	
asc. node	6919 Dec 25 23:12	29° \mathbb{A} 49'59		morning rise	6920 Dec 12 11:17	11° \mathbb{A} 02'58	
	6919 Dec 25 19:17	30° \mathbb{R} \mathbb{A}		direct	6920 Dec 15 00:06	10° \mathbb{A} 30'01	
morning rise	6919 Dec 29 10:10	27° \mathbb{A} 06'24		morning max el	6920 Dec 21 11:16	13° \mathbb{A} 53'49	17°54'24
direct	6920 Jan 01 06:25	26° \mathbb{A} 21'41			6921 Jan 01 18:49	0° \mathbb{B}	
	6920 Jan 07 21:59	0° \mathbb{B}		morning set	6921 Jan 07 15:15	9° \mathbb{B} 49'04	
morning max el	6920 Jan 07 18:37	29° \mathbb{A} 51'36	18°17'34	desc. node	6921 Jan 16 05:27	24° \mathbb{B} 07'44	
morning set	6920 Jan 27 01:24	28° \mathbb{B} 10'33			6921 Jan 19 20:01	0° \approx	
	6920 Jan 28 04:36	0° \approx					
desc. node	6920 Jan 30 08:26	3° \approx 28'06		superior conj	6921 Jan 21 01:49	2° \approx 00'03	-0°34'04
				minimum elong	6921 Jan 20 21:50	1° \approx 44'02	0°33'26
superior conj	6920 Feb 11 10:38	22° \approx 38'28	-1°18'54	max. Earth dist.	6921 Jan 25 20:02	9° \approx 35'12	1.44937 AU
minimum elong	6920 Feb 11 01:43	22° \approx 03'26	1°17'50	evening rise	6921 Feb 06 02:59	27° \approx 09'21	
max. Earth dist.	6920 Feb 13 00:22	25° \approx 06'24	1.45429 AU		6921 Feb 07 23:29	0° \mathbb{H}	
	6920 Feb 16 03:24	0° \mathbb{H}		greatest brilliancy	6921 Feb 20 21:52	19° \mathbb{H} 27'42	-0.6m
evening rise	6920 Feb 27 12:41	17° \mathbb{H} 48'00			6921 Feb 28 11:41	0° \mathbb{Y}	
	6920 Mar 06 08:01	0° \mathbb{Y}		evening max el	6921 Mar 05 02:11	5° \mathbb{Y} 22'51	20°08'54
greatest brilliancy	6920 Mar 09 15:41	5° \mathbb{Y} 07'29	-0.8m	asc. node	6921 Mar 09 19:25	9° \mathbb{Y} 05'43	
evening max el	6920 Mar 21 22:07	21° \mathbb{Y} 46'37	19°13'23	retrograde	6921 Mar 12 20:11	9° \mathbb{Y} 53'23	
asc. node	6920 Mar 22 22:22	22° \mathbb{Y} 45'13		evening set	6921 Mar 16 16:02	8° \mathbb{Y} 28'18	
retrograde	6920 Mar 28 21:59	25° \mathbb{Y} 44'06		inferior conj	6921 Mar 22 00:37	2° \mathbb{Y} 24'56	3°09'39
evening set	6920 Apr 01 09:20	24° \mathbb{Y} 33'45		minimum elong	6921 Mar 21 22:51	2° \mathbb{Y} 30'53	3°09'22
inferior conj	6920 Apr 06 21:02	18° \mathbb{Y} 44'24	3°24'26	min. Earth dist.	6921 Mar 22 20:43	1° \mathbb{Y} 16'54	0.67462 AU
minimum elong	6920 Apr 06 20:11	18° \mathbb{Y} 47'08	3°24'21		6921 Mar 23 19:52	30° \mathbb{R} \mathbb{H}	
min. Earth dist.	6920 Apr 08 07:32	16° \mathbb{Y} 53'14	0.66400 AU	morning rise	6921 Mar 27 05:27	26° \mathbb{H} 09'22	
morning rise	6920 Apr 12 06:40	12° \mathbb{Y} 27'59		direct	6921 Apr 02 00:15	23° \mathbb{H} 34'23	
direct	6920 Apr 18 13:49	9° \mathbb{Y} 41'29			6921 Apr 13 02:34	0° \mathbb{Y}	
desc. node	6920 Apr 27 07:50	13° \mathbb{Y} 39'01		morning max el	6921 Apr 13 15:20	0° \mathbb{Y} 31'54	24°49'00
morning max el	6920 May 01 06:15	17° \mathbb{Y} 15'13	26°10'24	desc. node	6921 Apr 14 04:51	1° \mathbb{Y} 06'33	
	6920 May 11 21:21	0° \mathbb{B}			6921 May 05 19:44	0° \mathbb{B}	
	6920 May 31 07:25	0° \mathbb{H}		morning set	6921 May 19 15:43	22° \mathbb{B} 52'08	
morning set	6920 Jun 06 08:39	10° \mathbb{H} 52'21		max. Earth dist.	6921 May 23 06:34	29° \mathbb{B} 23'44	1.37100 AU
max. Earth dist.	6920 Jun 10 06:50	18° \mathbb{H} 20'06	1.35141 AU		6921 May 23 14:27	0° \mathbb{H}	
superior conj	6920 Jun 15 11:15	28° \mathbb{H} 40'06	-0°34'17	superior conj	6921 May 29 21:06	11° \mathbb{H} 55'19	-1°05'15
minimum elong	6920 Jun 15 13:12	28° \mathbb{H} 50'03	0°33'57	minimum elong	6921 May 30 00:56	12° \mathbb{H} 14'05	1°04'39
	6920 Jun 16 02:53	0° \mathbb{B}		asc. node	6921 Jun 05 18:37	25° \mathbb{H} 39'26	
asc. node	6920 Jun 18 21:35	5° \mathbb{B} 44'07		evening rise	6921 Jun 07 08:13	28° \mathbb{H} 48'10	
evening rise	6920 Jun 23 05:12	14° \mathbb{B} 41'59			6921 Jun 07 22:35	0° \mathbb{B}	
	6920 Jul 01 01:42	0° \mathbb{Q}		evening max el	6921 Jun 24 06:31	26° \mathbb{B} 23'46	19°25'35
evening max el	6920 Jul 11 16:39	14° \mathbb{Q} 54'57	20°32'43		6921 Jun 29 05:13	0° \mathbb{Q}	
retrograde	6920 Jul 22 20:22	20° \mathbb{Q} 24'38		retrograde	6921 Jul 03 17:05	1° \mathbb{Q} 02'24	
desc. node	6920 Jul 24 07:05	20° \mathbb{Q} 19'26		evening set	6921 Jul 05 14:32	0° \mathbb{Q} 51'59	
evening set	6920 Jul 24 21:00	20° \mathbb{Q} 14'31			6921 Jul 08 11:23	30° \mathbb{R} \mathbb{B}	
inferior conj	6920 Aug 03 02:23	16° \mathbb{Q} 17'32	-2°53'56	desc. node	6921 Jul 11 04:08	28° \mathbb{B} 39'27	
minimum elong	6920 Aug 02 18:33	16° \mathbb{Q} 28'48	2°51'18	inferior conj	6921 Jul 14 06:09	26° \mathbb{B} 45'08	-0°56'05
min. Earth dist.	6920 Aug 04 06:34	15° \mathbb{Q} 36'53	0.54841 AU	minimum elong	6921 Jul 14 03:38	26° \mathbb{B} 49'12	0°55'11
morning rise	6920 Aug 11 15:31	12° \mathbb{Q} 12'53		min. Earth dist.	6921 Jul 16 19:31	25° \mathbb{B} 06'12	0.55760 AU
direct	6920 Aug 15 15:42	11° \mathbb{Q} 38'22		morning rise	6921 Jul 22 14:07	22° \mathbb{B} 08'12	
morning max el	6920 Aug 28 22:32	18° \mathbb{Q} 03'28	23°23'57	direct	6921 Jul 27 09:58	21° \mathbb{B} 15'37	
	6920 Sep 07 16:15	0° \mathbb{H}		morning max el	6921 Aug 10 11:29	28° \mathbb{B} 20'30	25°07'37
asc. node	6920 Sep 14 20:56	12° \mathbb{H} 12'22			6921 Aug 12 03:25	0° \mathbb{Q}	
morning set	6920 Sep 21 10:21	25° \mathbb{H} 23'41			6921 Aug 31 22:08	0° \mathbb{H}	
	6920 Sep 23 14:05	0° \mathbb{Q}		asc. node	6921 Sep 01 17:57	1° \mathbb{H} 37'51	

morning set	6921 Sep 05 22:01	10° \mathbb{M} 13'57		asc. node	6922 Aug 19 14:59	21° Ω 21'59	
				morning set	6922 Aug 21 08:22	24° Ω 58'33	
superior conj	6921 Sep 12 19:31	25° \mathbb{M} 15'23	1°32'09		6922 Aug 23 16:33	0° \mathbb{M}	
minimum elong	6921 Sep 12 17:42	25° \mathbb{M} 05'27	1°31'58				
max. Earth dist.	6921 Sep 14 06:07	28° \mathbb{M} 24'42	1.32438 AU	superior conj	6922 Aug 28 07:06	10° \mathbb{M} 08'21	1°18'53
	6921 Sep 14 23:38	0° $\underline{\mathbb{A}}$		minimum elong	6922 Aug 28 04:52	9° \mathbb{M} 56'00	1°18'33
evening rise	6921 Sep 19 23:15	10° $\underline{\mathbb{A}}$ 34'00		max. Earth dist.	6922 Aug 28 15:29	10° \mathbb{M} 54'42	1.31887 AU
	6921 Sep 30 04:22	0° \mathbb{M}		evening rise	6922 Sep 04 04:07	25° \mathbb{M} 05'43	
desc. node	6921 Oct 07 03:17	11° \mathbb{M} 20'15			6922 Sep 06 12:56	0° $\underline{\mathbb{A}}$	
	6921 Oct 21 20:25	0° \mathbb{A}			6922 Sep 23 21:09	0° \mathbb{M}	
evening max el	6921 Oct 22 16:02	0° \mathbb{A} 47'19	27°26'37	desc. node	6922 Sep 24 00:20	0° \mathbb{M} 11'15	
retrograde	6921 Nov 05 10:11	8° \mathbb{A} 02'31		evening max el	6922 Oct 04 20:59	13° \mathbb{M} 04'50	26°59'07
evening set	6921 Nov 12 13:36	5° \mathbb{A} 34'35		retrograde	6922 Oct 18 18:23	20° \mathbb{M} 15'24	
min. Earth dist.	6921 Nov 16 05:31	2° \mathbb{A} 35'07	0.62662 AU	evening set	6922 Oct 25 17:59	18° \mathbb{M} 07'48	
	6921 Nov 18 22:36	30° $\mathbb{R}\mathbb{M}$		min. Earth dist.	6922 Oct 29 11:23	15° \mathbb{M} 28'18	0.60651 AU
inferior conj	6921 Nov 19 01:41	29° \mathbb{M} 52'36	-3°05'30	inferior conj	6922 Nov 01 15:20	12° \mathbb{M} 48'59	-4°09'40
minimum elong	6921 Nov 19 07:19	29° \mathbb{M} 39'09	3°03'26	minimum elong	6922 Nov 01 22:11	12° \mathbb{M} 34'35	4°07'45
morning rise	6921 Nov 26 02:55	24° \mathbb{M} 44'02		morning rise	6922 Nov 09 04:37	8° \mathbb{M} 01'06	
direct	6921 Nov 28 10:49	24° \mathbb{M} 19'15		direct	6922 Nov 11 10:41	7° \mathbb{M} 41'12	
asc. node	6921 Nov 28 17:17	24° \mathbb{M} 19'35		asc. node	6922 Nov 15 14:19	8° \mathbb{M} 52'04	
morning max el	6921 Dec 05 04:12	27° \mathbb{M} 45'50	17°48'53	morning max el	6922 Nov 18 18:07	11° \mathbb{M} 19'18	18°01'59
	6921 Dec 07 04:48	0° \mathbb{A}			6922 Dec 01 03:03	0° \mathbb{A}	
morning set	6921 Dec 21 04:30	22° \mathbb{A} 34'22		morning set	6922 Dec 04 10:43	6° \mathbb{A} 07'15	
	6921 Dec 25 09:38	0° \mathbb{B}					
superior conj	6922 Jan 01 16:57	12° \mathbb{B} 32'18	0°10'05	superior conj	6922 Dec 14 09:44	24° \mathbb{A} 18'17	0°46'47
minimum elong	6922 Jan 01 17:57	12° \mathbb{B} 36'27	0°10'00	minimum elong	6922 Dec 14 13:05	24° \mathbb{A} 33'08	0°46'22
behind sun begin	6922 Jan 01 10:48	12° \mathbb{B} 06'25			6922 Dec 17 15:55	0° \mathbb{B}	
behind sun end	6922 Jan 02 01:05	13° \mathbb{B} 06'26		desc. node	6922 Dec 20 23:31	5° \mathbb{B} 38'48	
desc. node	6922 Jan 03 02:29	14° \mathbb{B} 52'28		max. Earth dist.	6922 Dec 22 00:47	7° \mathbb{B} 24'30	1.42035 AU
max. Earth dist.	6922 Jan 08 12:59	23° \mathbb{B} 46'58	1.43757 AU	evening rise	6922 Dec 27 14:47	16° \mathbb{B} 30'57	
	6922 Jan 12 10:30	0° \approx			6923 Jan 05 07:23	0° \approx	
evening rise	6922 Jan 16 14:44	6° \approx 31'49			6923 Jan 27 06:52	0° \mathbb{H}	
	6922 Feb 01 07:20	0° \mathbb{H}		evening max el	6923 Jan 29 18:13	2° \mathbb{H} 38'46	22°34'14
evening max el	6922 Feb 16 00:41	18° \mathbb{H} 59'55	21°17'13	retrograde	6923 Feb 08 14:49	8° \mathbb{H} 30'04	
retrograde	6922 Feb 24 18:24	24° \mathbb{H} 10'07		asc. node	6923 Feb 11 13:32	7° \mathbb{H} 45'31	
asc. node	6922 Feb 24 16:29	24° \mathbb{H} 10'05		evening set	6923 Feb 13 07:28	6° \mathbb{H} 34'47	
evening set	6922 Feb 28 23:58	22° \mathbb{H} 29'57		inferior conj	6923 Feb 18 16:01	0° \mathbb{H} 11'44	2°10'16
inferior conj	6922 Mar 06 07:38	16° \mathbb{H} 15'03	2°44'28	minimum elong	6923 Feb 18 13:44	0° \mathbb{H} 19'39	2°09'36
minimum elong	6922 Mar 06 05:23	16° \mathbb{H} 22'51	2°43'56	min. Earth dist.	6923 Feb 18 11:07	0° \mathbb{H} 28'46	0.68289 AU
min. Earth dist.	6922 Mar 06 14:39	15° \mathbb{H} 50'41	0.68084 AU		6923 Feb 18 19:24	30° $\mathbb{R}\approx$	
morning rise	6922 Mar 11 10:38	10° \mathbb{H} 01'59		morning rise	6923 Feb 23 19:53	24° \approx 02'28	
direct	6922 Mar 16 15:24	7° \mathbb{H} 45'26		direct	6923 Feb 28 10:20	22° \approx 07'50	
morning max el	6922 Mar 27 00:40	13° \mathbb{H} 55'51	23°19'47	morning max el	6923 Mar 09 13:08	27° \approx 27'30	21°52'08
desc. node	6922 Apr 01 01:52	19° \mathbb{H} 34'52			6923 Mar 11 22:14	0° \mathbb{H}	
	6922 Apr 09 00:49	0° \mathbb{Y}		desc. node	6923 Mar 18 22:52	8° \mathbb{H} 46'57	
	6922 Apr 28 17:42	0° \mathbb{B}			6923 Apr 02 15:16	0° \mathbb{Y}	
morning set	6922 Apr 30 23:38	3° \mathbb{B} 44'32		morning set	6923 Apr 11 03:46	13° \mathbb{Y} 18'31	
max. Earth dist.	6922 May 05 02:22	10° \mathbb{B} 46'49	1.39297 AU	max. Earth dist.	6923 Apr 17 01:03	22° \mathbb{Y} 55'28	1.41479 AU
					6923 Apr 21 05:30	0° \mathbb{B}	
superior conj	6922 May 12 16:48	24° \mathbb{B} 27'28	-1°34'21	superior conj	6923 Apr 24 17:41	6° \mathbb{B} 05'34	-1°57'46
minimum elong	6922 May 12 22:04	24° \mathbb{B} 51'59	1°33'45	minimum elong	6923 Apr 24 22:44	6° \mathbb{B} 27'47	1°57'27
	6922 May 15 15:39	0° \mathbb{I}		evening rise	6923 May 05 10:32	25° \mathbb{B} 30'23	
evening rise	6922 May 22 03:13	12° \mathbb{I} 27'31			6923 May 07 21:03	0° \mathbb{I}	
asc. node	6922 May 23 15:39	15° \mathbb{I} 22'51		asc. node	6923 May 10 12:42	4° \mathbb{I} 48'50	
	6922 May 31 18:49	0° \mathbb{E}		evening max el	6923 May 21 15:59	21° \mathbb{I} 17'59	18°12'49
evening max el	6922 Jun 07 07:29	8° \mathbb{E} 34'22	18°39'05	retrograde	6923 May 28 16:02	24° \mathbb{I} 49'20	
retrograde	6922 Jun 15 07:19	12° \mathbb{E} 31'45		evening set	6923 May 31 02:01	24° \mathbb{I} 24'52	
evening set	6922 Jun 17 09:55	12° \mathbb{E} 16'10		inferior conj	6923 Jun 07 03:02	19° \mathbb{I} 39'47	2°06'50
inferior conj	6922 Jun 25 05:52	7° \mathbb{E} 51'22	0°49'15	minimum elong	6923 Jun 07 06:16	19° \mathbb{I} 32'39	2°05'50
minimum elong	6922 Jun 25 07:39	7° \mathbb{E} 47'59	0°48'33	min. Earth dist.	6923 Jun 10 12:22	16° \mathbb{I} 41'37	0.59570 AU
desc. node	6922 Jun 28 01:10	5° \mathbb{E} 44'21		morning rise	6923 Jun 14 07:35	13° \mathbb{I} 56'30	
min. Earth dist.	6922 Jun 28 12:55	5° \mathbb{E} 22'59	0.57438 AU	desc. node	6923 Jun 14 22:12	13° \mathbb{I} 35'59	
morning rise	6922 Jul 03 01:56	2° \mathbb{E} 37'30		direct	6923 Jun 20 16:58	12° \mathbb{I} 02'29	
direct	6922 Jul 08 18:36	1° \mathbb{E} 16'42		morning max el	6923 Jul 05 01:52	19° \mathbb{I} 54'46	27°33'36
morning max el	6922 Jul 23 03:38	8° \mathbb{E} 50'53	26°35'32		6923 Jul 13 16:44	0° \mathbb{E}	
	6922 Aug 08 03:28	0° Ω			6923 Jul 31 22:33	0° Ω	

morning set	6923 Aug 05 15:37	9°Ω30'58			6924 Jul 06 23:35	0°☿	
asc. node	6923 Aug 06 12:00	11°Ω18'02		morning set	6924 Jul 19 17:50	23°☿45'51	
max. Earth dist.	6923 Aug 12 02:01	23°Ω25'08	1.31778 AU		6924 Jul 22 17:41	0°Ω	
superior conj	6923 Aug 12 18:45	24°Ω57'36	1°00'51	asc. node	6924 Jul 23 09:00	1°Ω21'28	
minimum elong	6923 Aug 12 16:34	24°Ω45'30	1°00'25	max. Earth dist.	6924 Jul 25 10:05	5°Ω45'29	1.32121 AU
	6923 Aug 15 01:25	0°☿		superior conj	6924 Jul 27 04:42	9°Ω37'50	0°38'30
evening rise	6923 Aug 19 13:12	9°☿46'50		minimum elong	6924 Jul 27 03:03	9°Ω28'48	0°38'08
	6923 Aug 29 20:58	0°☿		evening rise	6924 Aug 03 00:31	24°Ω31'27	
desc. node	6923 Sep 10 21:22	18°☿04'59			6924 Aug 05 15:00	0°☿	
evening max el	6923 Sep 16 18:39	24°☿33'03	25°58'44		6924 Aug 23 14:09	0°☿	
	6923 Sep 24 05:43	0°☿		desc. node	6924 Aug 27 18:24	4°☿38'58	
retrograde	6923 Sep 30 17:29	1°☿38'25		evening max el	6924 Aug 28 09:06	5°☿14'54	24°32'12
evening set	6923 Oct 07 01:40	0°☿02'27		retrograde	6924 Sep 11 04:53	12°☿12'01	
	6923 Oct 07 03:39	30°☿☿		evening set	6924 Sep 16 08:44	11°☿12'44	
min. Earth dist.	6923 Oct 11 07:26	27°☿27'14	0.58569 AU	min. Earth dist.	6924 Sep 21 20:11	8°☿23'25	0.56682 AU
inferior conj	6923 Oct 14 11:31	25°☿08'26	-5°01'54	inferior conj	6924 Sep 24 11:39	6°☿42'32	-5°27'27
minimum elong	6923 Oct 14 17:16	24°☿57'54	5°00'57	minimum elong	6924 Sep 24 12:31	6°☿41'09	5°27'25
morning rise	6923 Oct 22 11:10	20°☿43'07		morning rise	6924 Oct 02 18:31	2°☿38'51	
direct	6923 Oct 24 19:25	20°☿25'06		direct	6924 Oct 05 09:35	2°☿20'01	
morning max el	6923 Nov 02 01:27	24°☿24'09	18°35'24	morning max el	6924 Oct 14 22:40	6°☿49'53	19°30'40
asc. node	6923 Nov 02 11:21	24°☿48'30		asc. node	6924 Oct 19 08:22	11°☿53'52	
	6923 Nov 06 17:10	0°☿			6924 Oct 29 22:26	0°☿	
morning set	6923 Nov 18 04:50	20°☿13'11		morning set	6924 Nov 01 07:00	4°☿41'07	
	6923 Nov 23 06:08	0°☿		superior conj	6924 Nov 09 06:30	20°☿40'09	1°31'20
superior conj	6923 Nov 26 23:59	7°☿05'52	1°13'49	minimum elong	6924 Nov 09 08:58	20°☿52'12	1°31'12
minimum elong	6923 Nov 27 03:29	7°☿22'11	1°13'28		6924 Nov 14 03:10	0°☿	
max. Earth dist.	6923 Dec 04 07:53	20°☿20'32	1.39981 AU	max. Earth dist.	6924 Nov 15 13:21	2°☿38'44	1.37841 AU
desc. node	6923 Dec 07 20:32	26°☿23'17		evening rise	6924 Nov 19 07:04	9°☿23'31	
evening rise	6923 Dec 08 11:51	27°☿27'37		desc. node	6924 Nov 23 17:32	17°☿01'54	
	6923 Dec 10 00:30	0°☿			6924 Dec 01 19:26	0°☿	
	6923 Dec 29 21:35	0°☿			6924 Dec 24 18:39	0°☿	
evening max el	6924 Jan 12 08:36	16°☿21'33	23°54'24	evening max el	6924 Dec 24 21:40	0°☿07'26	25°10'58
retrograde	6924 Jan 23 08:01	22°☿49'13		retrograde	6925 Jan 05 20:50	7°☿02'29	
evening set	6924 Jan 28 13:00	20°☿39'16		evening set	6925 Jan 11 14:58	4°☿39'17	
asc. node	6924 Jan 29 10:34	19°☿49'41		asc. node	6925 Jan 15 07:37	0°☿40'46	
inferior conj	6924 Feb 02 23:56	14°☿12'04	1°27'59		6925 Jan 15 20:27	30°☿☿	
minimum elong	6924 Feb 02 22:05	14°☿18'20	1°27'20	min. Earth dist.	6925 Jan 16 02:09	29°☿41'38	0.67544 AU
min. Earth dist.	6924 Feb 02 07:44	15°☿07'07	0.68102 AU	inferior conj	6925 Jan 17 05:32	28°☿12'28	0°38'12
morning rise	6924 Feb 08 07:10	8°☿08'18		minimum elong	6925 Jan 17 04:36	28°☿15'30	0°37'52
direct	6924 Feb 12 08:01	6°☿36'06		morning rise	6925 Jan 22 18:31	22°☿16'10	
morning max el	6924 Feb 20 08:08	11°☿10'19	20°33'29	direct	6925 Jan 26 06:57	21°☿04'55	
desc. node	6924 Mar 04 19:52	28°☿30'45		morning max el	6925 Feb 02 11:07	25°☿04'31	19°28'15
	6924 Mar 05 20:31	0°☿			6925 Feb 06 18:06	0°☿	
morning set	6924 Mar 20 07:24	21°☿47'26		greatest brilliancy	6925 Feb 15 10:13	12°☿11'10	-0.7m
	6924 Mar 25 13:00	0°☿		desc. node	6925 Feb 19 16:50	18°☿37'09	
max. Earth dist.	6924 Mar 29 07:03	6°☿00'04	1.43363 AU	morning set	6925 Feb 27 05:04	0°☿07'39	
					6925 Feb 27 03:05	0°☿	
superior conj	6924 Apr 04 19:15	16°☿40'31	-2°10'08	max. Earth dist.	6925 Mar 11 20:23	19°☿50'43	1.44715 AU
minimum elong	6924 Apr 04 20:49	16°☿47'03	2°10'08	superior conj	6925 Mar 15 19:45	26°☿09'52	-2°05'32
	6924 Apr 12 15:00	0°☿		minimum elong	6925 Mar 15 14:44	25°☿49'47	2°05'20
evening rise	6924 Apr 17 01:50	7°☿47'24			6925 Mar 18 05:04	0°☿	
asc. node	6924 Apr 26 09:44	23°☿51'41		evening rise	6925 Mar 29 20:32	19°☿09'04	
	6924 Apr 30 11:20	0°☿			6925 Apr 05 08:23	0°☿	
evening max el	6924 May 04 04:26	4°☿25'49	18°06'04	asc. node	6925 Apr 13 06:46	12°☿23'04	
retrograde	6924 May 10 16:08	7°☿46'59		evening max el	6925 Apr 17 17:29	17°☿48'19	18°18'10
evening set	6924 May 13 09:19	7°☿11'07		retrograde	6925 Apr 24 03:09	21°☿13'56	
inferior conj	6924 May 19 18:58	2°☿06'00	2°55'43	evening set	6925 Apr 27 03:09	20°☿25'16	
minimum elong	6924 May 19 21:37	1°☿59'15	2°55'09	inferior conj	6925 May 03 01:27	15°☿01'28	3°20'49
	6924 May 21 20:30	30°☿☿		minimum elong	6925 May 03 02:44	14°☿57'49	3°20'39
min. Earth dist.	6924 May 22 19:39	29°☿02'57	0.61809 AU	min. Earth dist.	6925 May 05 12:06	12°☿15'28	0.63871 AU
morning rise	6924 May 26 08:00	26°☿04'04		morning rise	6925 May 09 01:17	8°☿49'34	
desc. node	6924 May 31 19:13	23°☿45'58		direct	6925 May 15 19:58	6°☿07'39	
direct	6924 Jun 02 02:12	23°☿40'54		desc. node	6925 May 18 16:12	6°☿32'56	
	6924 Jun 14 11:51	0°☿		morning max el	6925 May 29 15:00	14°☿07'26	27°38'09
morning max el	6924 Jun 16 06:17	1°☿41'25	27°54'28				

	6925 Jun 11 11:01	0°♂		desc. node	6926 May 05 13:13	21°♂33'48	
	6925 Jun 29 14:14	0°♂		morning max el	6926 May 12 01:25	27°♂02'33	26°49'38
morning set	6925 Jul 03 12:42	7°♂36'29			6926 May 14 19:51	0°♂	
max. Earth dist.	6925 Jul 08 11:53	17°♂45'17	1.32922 AU		6926 Jun 05 02:37	0°♂	
asc. node	6925 Jul 10 06:02	21°♂28'04		morning set	6926 Jun 16 21:05	20°♂53'47	
				max. Earth dist.	6926 Jun 21 03:54	29°♂16'39	1.34196 AU
superior conj	6925 Jul 11 11:05	24°♂03'24	0°12'25		6926 Jun 21 12:32	0°♂	
minimum elong	6925 Jul 11 10:29	24°♂00'09	0°12'14				
behind sun begin	6925 Jul 11 07:00	23°♂41'28		superior conj	6926 Jun 25 11:42	8°♂07'33	-0°16'40
behind sun end	6925 Jul 11 13:58	24°♂18'50		minimum elong	6926 Jun 25 12:37	8°♂12'17	0°16'32
	6925 Jul 14 05:12	0°♂		asc. node	6926 Jun 27 03:03	11°♂33'26	
evening rise	6925 Jul 18 12:10	9°♂13'45		evening rise	6926 Jul 02 22:13	23°♂47'08	
	6925 Jul 29 06:09	0°♂			6926 Jul 05 22:45	0°♂	
evening max el	6925 Aug 09 21:05	15°♂31'57	22°53'52	evening max el	6926 Jul 22 15:15	25°♂58'46	21°20'00
desc. node	6925 Aug 14 15:25	19°♂23'55			6926 Jul 27 19:04	0°♂	
retrograde	6925 Aug 23 03:47	22°♂09'59		desc. node	6926 Aug 01 12:27	1°♂46'28	
evening set	6925 Aug 26 19:17	21°♂40'54		retrograde	6926 Aug 03 17:42	1°♂58'21	
min. Earth dist.	6925 Sep 03 05:21	18°♂21'10	0.55303 AU	evening set	6926 Aug 06 03:13	1°♂45'05	
inferior conj	6925 Sep 04 16:40	17°♂30'27	-5°08'16		6926 Aug 11 05:59	30°♂♂	
minimum elong	6925 Sep 04 10:29	17°♂39'21	5°07'24	inferior conj	6926 Aug 15 10:14	27°♂46'36	-3°55'16
morning rise	6925 Sep 13 03:48	13°♂40'55		minimum elong	6926 Aug 15 00:59	27°♂59'35	3°52'41
direct	6925 Sep 16 05:16	13°♂19'04		min. Earth dist.	6926 Aug 15 14:42	27°♂40'20	0.54730 AU
morning max el	6925 Sep 27 07:33	18°♂29'42	20°48'03	morning rise	6926 Aug 23 23:34	23°♂53'28	
asc. node	6925 Oct 06 05:23	29°♂53'31		direct	6926 Aug 27 13:59	23°♂25'31	
	6925 Oct 06 07:00	0°♂		morning max el	6926 Sep 09 04:43	29°♂23'55	22°23'59
morning set	6925 Oct 16 14:27	19°♂23'17			6926 Sep 09 19:53	0°♂	
	6925 Oct 21 16:53	0°♂		asc. node	6926 Sep 23 02:24	18°♂34'05	
					6926 Sep 29 00:20	0°♂	
superior conj	6925 Oct 24 00:48	4°♂48'33	1°40'24	morning set	6926 Oct 01 00:55	4°♂12'22	
minimum elong	6925 Oct 24 01:50	4°♂53'52	1°40'24				
max. Earth dist.	6925 Oct 28 21:54	14°♂35'11	1.35852 AU	superior conj	6926 Oct 08 03:11	19°♂19'21	1°42'06
evening rise	6925 Nov 01 21:36	22°♂11'29		minimum elong	6926 Oct 08 02:52	19°♂17'43	1°42'07
	6925 Nov 06 05:10	0°♂		max. Earth dist.	6926 Oct 11 13:31	26°♂29'57	1.34191 AU
desc. node	6925 Nov 10 14:34	7°♂30'23			6926 Oct 13 06:42	0°♂	
	6925 Nov 25 14:32	0°♂		evening rise	6926 Oct 16 03:20	5°♂40'32	
evening max el	6925 Dec 07 10:38	13°♂52'31	26°16'43	desc. node	6926 Oct 28 11:37	27°♂42'26	
retrograde	6925 Dec 20 04:40	21°♂04'35			6926 Oct 29 21:52	0°♂	
evening set	6925 Dec 26 11:41	18°♂31'10		evening max el	6926 Nov 19 23:30	27°♂28'06	27°04'31
min. Earth dist.	6925 Dec 30 16:07	14°♂08'31	0.66621 AU		6926 Nov 22 19:46	0°♂	
inferior conj	6926 Jan 01 06:57	12°♂09'44	-0°18'20	retrograde	6926 Dec 03 06:57	4°♂47'22	
minimum elong	6926 Jan 01 07:26	12°♂08'14	0°18'04	evening set	6926 Dec 10 01:03	2°♂09'21	
asc. node	6926 Jan 02 04:39	11°♂03'53			6926 Dec 12 10:14	30°♂♂	
morning rise	6926 Jan 07 03:52	6°♂23'12		min. Earth dist.	6926 Dec 13 23:25	28°♂21'18	0.65334 AU
direct	6926 Jan 10 05:30	5°♂29'53		inferior conj	6926 Dec 16 01:58	25°♂58'44	-1°20'39
morning max el	6926 Jan 16 21:22	9°♂07'13	18°38'39	minimum elong	6926 Dec 16 04:20	25°♂52'04	1°19'36
	6926 Jan 31 20:32	0°♂		asc. node	6926 Dec 20 01:41	21°♂55'25	
morning set	6926 Feb 06 21:07	9°♂28'55		morning rise	6926 Dec 22 08:48	20°♂24'30	
desc. node	6926 Feb 06 13:51	9°♂00'16		direct	6926 Dec 25 01:33	19°♂45'23	
	6926 Feb 19 22:38	0°♂		morning max el	6926 Dec 31 12:31	23°♂11'33	18°05'40
max. Earth dist.	6926 Feb 22 14:26	4°♂09'51	1.45383 AU		6927 Jan 06 00:05	0°♂	
				morning set	6927 Jan 18 18:35	20°♂18'48	
superior conj	6926 Feb 23 02:21	4°♂56'34	-1°40'52	desc. node	6927 Jan 24 10:53	29°♂34'54	
minimum elong	6926 Feb 22 16:52	4°♂19'21	1°39'58		6927 Jan 24 17:05	0°♂	
evening rise	6926 Mar 10 15:57	29°♂33'14					
	6926 Mar 10 22:39	0°♂		superior conj	6927 Feb 02 08:54	13°♂50'54	-1°00'26
greatest brilliancy	6926 Mar 18 16:47	12°♂22'49	-0.9m	minimum elong	6927 Feb 02 01:44	13°♂22'32	0°59'28
	6926 Mar 30 23:02	0°♂		max. Earth dist.	6927 Feb 05 09:54	18°♂38'22	1.45304 AU
asc. node	6926 Mar 31 03:49	0°♂13'24			6927 Feb 12 16:31	0°♂	
evening max el	6926 Apr 01 04:29	1°♂18'59	18°48'18	evening rise	6927 Feb 18 14:17	9°♂09'51	
retrograde	6926 Apr 07 21:01	5°♂01'55		greatest brilliancy	6927 Mar 03 15:19	29°♂09'17	-0.7m
evening set	6926 Apr 11 03:59	3°♂59'40			6927 Mar 04 04:55	0°♂	
	6926 Apr 15 09:29	30°♂♂		evening max el	6927 Mar 15 11:26	14°♂53'57	19°35'12
inferior conj	6926 Apr 16 18:38	28°♂18'56	3°27'23	asc. node	6927 Mar 18 00:51	17°♂10'56	
minimum elong	6926 Apr 16 18:29	28°♂19'23	3°27'21	retrograde	6927 Mar 22 18:26	19°♂04'55	
min. Earth dist.	6926 Apr 18 13:48	26°♂05'08	0.65593 AU	evening set	6927 Mar 26 09:10	17°♂48'30	
morning rise	6926 Apr 22 08:28	22°♂02'52		inferior conj	6927 Mar 31 19:14	11°♂52'48	3°19'33
direct	6926 Apr 28 21:03	19°♂14'41		minimum elong	6927 Mar 31 17:57	11°♂57'03	3°19'25

min. Earth dist.	6927 Apr 01 23:28	10°♈19'32	0.66901 AU	minimum elong	6928 Mar 14 22:31	25°♋44'44	2°59'46
morning rise	6927 Apr 06 02:25	5°♈36'14		min. Earth dist.	6928 Mar 15 15:01	24°♋48'08	0.67777 AU
direct	6927 Apr 12 04:32	2°♈53'29		morning rise	6928 Mar 20 04:14	19°♋22'59	
desc. node	6927 Apr 22 10:16	8°♈16'19		direct	6928 Mar 25 17:15	16°♋54'53	
morning max el	6927 Apr 24 11:14	10°♈14'26	25°37'23	morning max el	6928 Apr 05 19:58	23°♋33'41	24°11'22
	6927 May 10 02:56	0°♉		desc. node	6928 Apr 08 07:17	26°♋11'57	
	6927 May 28 17:07	0°♊			6928 Apr 11 12:59	0°♈	
morning set	6927 May 30 14:57	3°♊26'35			6928 May 02 12:19	0°♉	
max. Earth dist.	6927 Jun 03 08:37	10°♊23'26	1.35927 AU	morning set	6928 May 11 12:52	14°♉59'29	
				max. Earth dist.	6928 May 15 05:17	21°♉29'05	1.38018 AU
					6928 May 19 20:46	0°♊	
superior conj	6927 Jun 09 03:55	21°♊43'23	-0°47'27				
minimum elong	6927 Jun 09 06:40	21°♊57'13	0°47'00				
	6927 Jun 13 05:47	0°♋		superior conj	6928 May 22 08:16	4°♊41'31	-1°18'01
asc. node	6927 Jun 14 00:05	1°♋33'45		minimum elong	6928 May 22 12:49	5°♊03'19	1°17'23
evening rise	6927 Jun 17 04:32	8°♋05'27		asc. node	6928 May 30 21:06	21°♊24'18	
	6927 Jun 29 04:49	0°♌		evening rise	6928 May 31 04:29	22°♊00'45	
evening max el	6927 Jul 04 21:46	7°♌02'54	20°01'42		6928 Jun 04 07:10	0°♋	
retrograde	6927 Jul 15 08:07	12°♌10'30		evening max el	6928 Jun 16 16:49	18°♋50'24	19°03'18
evening set	6927 Jul 17 05:31	12°♌01'08		retrograde	6928 Jun 25 11:12	23°♋09'15	
desc. node	6927 Jul 19 09:30	11°♌28'54		evening set	6928 Jun 27 10:24	22°♋57'07	
inferior conj	6927 Jul 26 06:23	8°♌01'38	-2°04'14	desc. node	6928 Jul 05 06:33	19°♋03'09	
minimum elong	6927 Jul 26 00:38	8°♌10'16	2°02'09	inferior conj	6928 Jul 05 17:56	18°♋43'35	-0°08'34
min. Earth dist.	6927 Jul 28 02:23	6°♌55'33	0.55120 AU	minimum elong	6928 Jul 05 17:35	18°♋44'12	0°08'29
morning rise	6927 Aug 03 18:06	3°♌44'17		transit middle	6928 Jul 05 17:35	18°♋44'12	0°08'29
direct	6927 Aug 08 02:03	3°♌03'17		transit begin	6928 Jul 05 14:22	18°♋49'44	
morning max el	6927 Aug 21 18:46	9°♌47'21	24°08'51	transit end	6928 Jul 05 20:47	18°♋38'39	
	6927 Sep 05 18:02	0°♍		min. Earth dist.	6928 Jul 08 17:06	16°♋41'39	0.56403 AU
asc. node	6927 Sep 09 23:27	7°♍45'32		morning rise	6928 Jul 13 21:33	13°♋50'44	
morning set	6927 Sep 15 12:36	19°♍03'21		direct	6928 Jul 19 02:44	12°♋46'52	
	6927 Sep 20 14:02	0°♎		morning max el	6928 Aug 02 08:15	20°♋05'42	25°47'47
					6928 Aug 10 19:44	0°♌	
superior conj	6927 Sep 22 10:51	4°♎04'07	1°37'25	asc. node	6928 Aug 26 20:29	27°♌19'23	
minimum elong	6927 Sep 22 09:29	3°♎56'40	1°37'20		6928 Aug 28 03:49	0°♍	
max. Earth dist.	6927 Sep 24 13:34	8°♎38'03	1.32952 AU	morning set	6928 Aug 29 23:54	3°♍51'18	
evening rise	6927 Sep 29 20:30	19°♎40'51					
	6927 Oct 05 03:44	0°♏		superior conj	6928 Sep 05 21:33	18°♍55'34	1°27'07
desc. node	6927 Oct 15 08:39	17°♏30'58		minimum elong	6928 Sep 05 19:30	18°♍44'18	1°26'53
	6927 Oct 24 00:55	0°♐		max. Earth dist.	6928 Sep 06 20:31	21°♍02'04	1.32151 AU
evening max el	6927 Nov 02 11:14	10°♐43'47	27°27'17		6928 Sep 10 23:40	0°♎	
retrograde	6927 Nov 16 02:58	18°♐02'06		evening rise	6928 Sep 12 21:52	4°♎03'23	
evening set	6927 Nov 23 04:27	15°♐27'45			6928 Sep 26 20:56	0°♏	
min. Earth dist.	6927 Nov 26 22:01	12°♐11'53	0.63715 AU	desc. node	6928 Oct 01 05:41	6°♏46'31	
inferior conj	6927 Nov 29 12:03	9°♐33'36	-2°26'54	evening max el	6928 Oct 14 19:44	23°♏27'05	27°19'13
minimum elong	6927 Nov 29 16:32	9°♐22'08	2°25'06		6928 Oct 24 17:21	0°♐	
morning rise	6927 Dec 06 06:19	4°♐14'34		retrograde	6928 Oct 28 15:41	0°♐39'59	
asc. node	6927 Dec 06 22:45	4°♐00'40			6928 Nov 01 10:51	30°♏	
direct	6927 Dec 08 16:34	3°♐45'40		evening set	6928 Nov 04 18:29	28°♏19'39	
morning max el	6927 Dec 15 05:40	7°♐09'58	17°49'49	min. Earth dist.	6928 Nov 08 10:18	25°♏29'53	0.61822 AU
	6927 Dec 30 08:52	0°♑		inferior conj	6928 Nov 11 10:13	22°♏47'06	-3°33'31
morning set	6927 Dec 31 19:10	2°♑27'34		minimum elong	6928 Nov 11 16:32	22°♏32'45	3°31'25
desc. node	6928 Jan 11 07:54	20°♑16'40		morning rise	6928 Nov 18 16:36	17°♏46'37	
				direct	6928 Nov 20 23:16	17°♏24'17	
superior conj	6928 Jan 13 09:23	23°♑40'01	-0°14'44	asc. node	6928 Nov 22 19:49	17°♏39'37	
minimum elong	6928 Jan 13 07:46	23°♑33'23	0°14'27	morning max el	6928 Nov 27 21:42	20°♏54'59	17°52'02
behind sun begin	6928 Jan 13 03:25	23°♑15'36			6928 Dec 04 17:41	0°♐	
behind sun end	6928 Jan 13 12:06	23°♑51'09		morning set	6928 Dec 13 16:25	15°♐35'40	
	6928 Jan 17 07:13	0°♒			6928 Dec 21 18:04	0°♑	
max. Earth dist.	6928 Jan 19 04:06	2°♒59'20	1.44506 AU				
evening rise	6928 Jan 29 01:25	18°♒26'06		superior conj	6928 Dec 24 11:41	4°♑44'19	0°26'46
	6928 Feb 05 16:04	0°♒		minimum elong	6928 Dec 24 14:01	4°♑54'19	0°26'29
evening max el	6928 Feb 26 13:10	28°♒30'29	20°36'42	desc. node	6928 Dec 28 04:54	11°♑02'23	
	6928 Feb 28 02:29	0°♓		max. Earth dist.	6928 Dec 31 19:11	16°♑58'57	1.43081 AU
asc. node	6928 Mar 03 21:54	3°♓00'46		evening rise	6929 Jan 07 16:56	28°♑01'08	
retrograde	6928 Mar 05 16:51	3°♓17'29			6929 Jan 08 23:25	0°♒	
evening set	6928 Mar 09 16:35	1°♓46'14			6929 Jan 29 10:21	0°♒	
	6928 Mar 11 14:03	30°♓		evening max el	6929 Feb 08 09:35	12°♓08'55	21°49'16
inferior conj	6928 Mar 15 00:32	25°♓37'48	3°00'09	retrograde	6929 Feb 17 14:21	17°♓36'10	

asc. node	6929 Feb 18 18:58	17° K 28'46		asc. node	6930 Feb 05 16:02	0° K 24'28	
evening set	6929 Feb 22 00:31	15° K 49'36		evening set	6930 Feb 06 07:21	29° \approx 54'20	
inferior conj	6929 Feb 27 08:22	9° K 31'05	2°31'02		6930 Feb 06 04:38	30° R \approx	
minimum elong	6929 Feb 27 06:03	9° K 39'08	2°30'24	inferior conj	6930 Feb 11 16:45	23° \approx 29'05	1°53'18
min. Earth dist.	6929 Feb 27 10:15	9° K 24'32	0.68225 AU	minimum elong	6930 Feb 11 14:36	23° \approx 36'31	1°52'35
morning rise	6929 Mar 04 11:25	3° K 19'35		min. Earth dist.	6930 Feb 11 06:56	24° \approx 02'57	0.68261 AU
direct	6929 Mar 09 10:13	1° K 11'55		morning rise	6930 Feb 16 21:46	17° \approx 22'14	
morning max el	6929 Mar 19 06:02	7° K 00'02	22°41'49	direct	6930 Feb 21 06:21	15° \approx 37'18	
desc. node	6929 Mar 26 04:18	15° K 00'33		morning max el	6930 Mar 01 21:01	20° \approx 36'06	21°17'20
	6929 Apr 06 01:33	0° Y			6930 Mar 09 18:42	0° K	
morning set	6929 Apr 22 09:15	25° Y 18'39		desc. node	6930 Mar 13 01:17	4° K 26'54	
	6929 Apr 25 04:54	0° B			6930 Mar 30 07:05	0° Y	
max. Earth dist.	6929 Apr 27 01:45	3° B 09'58	1.40252 AU	morning set	6930 Apr 02 01:47	4° Y 20'57	
				max. Earth dist.	6930 Apr 09 03:51	15° Y 44'34	1.42334 AU
superior conj	6929 May 04 20:35	16° B 52'18	-1°45'16				
minimum elong	6929 May 05 02:04	17° B 17'10	1°44'44	superior conj	6930 Apr 16 12:01	28° Y 04'16	-2°04'43
	6929 May 11 22:14	0° II		minimum elong	6930 Apr 16 16:04	28° Y 21'40	2°04'33
evening rise	6929 May 14 18:59	5° II 25'40			6930 Apr 17 14:52	0° B	
asc. node	6929 May 17 18:07	11° II 00'50		evening rise	6930 Apr 27 20:04	18° B 10'30	
	6929 May 29 16:28	0° B			6930 May 04 11:00	0° II	
evening max el	6929 May 30 21:28	1° B 16'10	18°25'24	asc. node	6930 May 04 15:09	0° II 17'55	
retrograde	6929 Jun 07 09:29	5° B 00'13		evening max el	6930 May 14 08:00	14° II 11'01	18°07'33
evening set	6929 Jun 09 15:21	4° B 41'06		retrograde	6930 May 21 01:33	17° II 36'30	
inferior conj	6929 Jun 17 02:53	0° B 07'28	1°25'52	evening set	6930 May 23 14:36	17° II 07'27	
minimum elong	6929 Jun 17 05:37	0° B 01'56	1°24'53	inferior conj	6930 May 30 08:33	12° II 13'23	2°30'50
	6929 Jun 17 06:34	30° R II		minimum elong	6930 May 30 11:42	12° II 05'57	2°29'59
min. Earth dist.	6929 Jun 20 12:29	27° II 23'48	0.58320 AU	min. Earth dist.	6930 Jun 02 15:01	9° II 10'18	0.60524 AU
desc. node	6929 Jun 22 03:35	26° II 12'32		morning rise	6930 Jun 06 06:19	6° II 20'43	
morning rise	6929 Jun 24 16:37	24° II 40'08		desc. node	6930 Jun 09 00:36	4° II 56'24	
direct	6929 Jun 30 17:20	23° II 05'28		direct	6930 Jun 12 20:15	4° II 13'43	
	6929 Jul 14 06:45	0° B		morning max el	6930 Jun 27 03:53	12° II 10'26	27°47'18
morning max el	6929 Jul 15 02:39	0° B 47'33	27°04'30		6930 Jul 11 05:20	0° B	
	6929 Aug 04 21:47	0° Q			6930 Jul 28 03:57	0° Q	
asc. node	6929 Aug 13 17:28	17° Q 08'55		morning set	6930 Jul 29 14:32	2° Q 57'26	
morning set	6929 Aug 14 09:07	18° Q 31'03		asc. node	6930 Jul 31 14:27	7° Q 08'53	
	6929 Aug 19 16:18	0° P		max. Earth dist.	6930 Aug 04 17:11	16° Q 03'15	1.31870 AU
superior conj	6929 Aug 21 09:21	3° P 47'15	1°11'47				
minimum elong	6929 Aug 21 07:05	3° P 34'40	1°11'24	superior conj	6930 Aug 05 20:31	18° Q 33'39	0°51'53
max. Earth dist.	6929 Aug 21 07:00	3° P 34'15	1.31791 AU	minimum elong	6930 Aug 05 18:30	18° Q 22'31	0°51'27
evening rise	6929 Aug 28 04:48	18° P 39'51			6930 Aug 11 01:20	0° P	
	6929 Sep 02 18:34	0° A		evening rise	6930 Aug 12 15:06	3° P 23'35	
desc. node	6929 Sep 18 02:43	25° A 15'18			6930 Aug 26 18:19	0° A	
	6929 Sep 21 20:34	0° M		desc. node	6930 Sep 04 23:44	12° A 38'38	
evening max el	6929 Sep 26 21:57	5° M 24'31	26°37'18	evening max el	6930 Sep 08 16:08	16° A 31'14	25°24'20
retrograde	6929 Oct 10 19:50	12° M 32'02		retrograde	6930 Sep 22 14:11	23° A 34'08	
evening set	6929 Oct 17 14:38	10° M 36'50		evening set	6930 Sep 28 12:08	22° A 13'20	
min. Earth dist.	6929 Oct 21 11:40	8° M 01'28	0.59762 AU	min. Earth dist.	6930 Oct 03 03:54	19° A 34'40	0.57729 AU
inferior conj	6929 Oct 24 16:52	5° M 28'57	-4°34'02	inferior conj	6930 Oct 06 04:42	17° A 29'47	-5°17'04
minimum elong	6929 Oct 24 23:38	5° M 15'31	4°32'26	minimum elong	6930 Oct 06 08:52	17° A 22'35	5°16'36
morning rise	6929 Nov 01 10:50	0° M 50'22		morning rise	6930 Oct 14 07:55	13° A 14'28	
direct	6929 Nov 03 17:27	0° M 31'29		direct	6930 Oct 16 18:35	12° A 56'24	
asc. node	6929 Nov 09 16:51	2° M 49'17		morning max el	6930 Oct 25 12:41	17° A 06'47	18°56'12
morning max el	6929 Nov 11 09:12	4° M 17'04	18°13'38	asc. node	6930 Oct 27 13:51	19° A 16'59	
morning set	6929 Nov 27 04:15	29° M 24'15			6930 Nov 03 20:00	0° M	
	6929 Nov 27 11:48	0° X		morning set	6930 Nov 11 02:11	13° M 40'33	
superior conj	6929 Dec 06 14:14	16° X 58'11	0°59'26		6930 Nov 19 10:29	0° X	
minimum elong	6929 Dec 06 17:52	17° X 14'35	0°59'02	superior conj	6930 Nov 19 12:05	0° X 07'38	1°22'20
max. Earth dist.	6929 Dec 14 05:24	0° Z 21'26	1.41191 AU	minimum elong	6930 Nov 19 15:14	0° X 22'37	1°22'05
	6929 Dec 14 00:21	0° Z		max. Earth dist.	6930 Nov 26 11:14	12° X 59'46	1.39066 AU
desc. node	6929 Dec 15 01:53	1° Z 48'01		evening rise	6930 Nov 30 08:00	19° X 45'05	
evening rise	6929 Dec 19 01:22	8° Z 23'14		desc. node	6930 Dec 01 22:54	22° X 30'12	
	6930 Jan 02 01:45	0° \approx			6930 Dec 06 12:13	0° Z	
evening max el	6930 Jan 22 01:32	25° \approx 49'02	23°08'16	evening max el	6930 Dec 27 06:29	0° \approx	
	6930 Jan 26 23:56	0° K			6931 Jan 04 14:56	9° \approx 32'13	24°27'43
retrograde	6930 Feb 01 09:27	1° K 56'12		retrograde	6931 Jan 16 00:59	16° \approx 13'16	
				evening set	6931 Jan 21 11:34	13° \approx 57'09	

asc. node	6931 Jan 23 13:05	11° \approx 53'21		retrograde	6931 Dec 30 11:59	0° \approx 22'31	
min. Earth dist.	6931 Jan 26 02:51	8° \approx 39'43	0.67910 AU		6932 Jan 01 21:15	30° \approx 30	
inferior conj	6931 Jan 26 23:53	7° \approx 29'18	1°07'43	evening set	6932 Jan 05 11:34	27° \approx 54'30	
minimum elong	6931 Jan 26 22:22	7° \approx 34'23	1°07'11	min. Earth dist.	6932 Jan 09 19:47	23° \approx 11'30	0.67189 AU
morning rise	6931 Feb 01 09:18	1° \approx 28'36		asc. node	6932 Jan 10 10:08	22° \approx 26'01	
direct	6931 Feb 05 04:36	0° \approx 05'50		inferior conj	6932 Jan 11 03:59	21° \approx 29'03	0°14'59
morning max el	6931 Feb 12 19:29	4° \approx 24'01	20°03'55	minimum elong	6932 Jan 11 03:36	21° \approx 30'17	0°14'54
desc. node	6931 Feb 27 22:16	24° \approx 20'44		transit middle	6932 Jan 11 03:36	21° \approx 30'17	0°14'54
	6931 Mar 03 17:13	0° \approx		transit begin	6932 Jan 11 02:31	21° \approx 33'43	
morning set	6931 Mar 11 23:45	12° \approx 36'43		transit end	6932 Jan 11 04:41	21° \approx 26'50	
max. Earth dist.	6931 Mar 22 12:57	29° \approx 09'22	1.44007 AU	morning rise	6932 Jan 16 20:05	15° \approx 36'27	
	6931 Mar 23 01:37	0° \approx		direct	6932 Jan 20 03:37	14° \approx 33'21	
				morning max el	6932 Jan 27 01:47	18° \approx 22'30	19°05'08
superior conj	6931 Mar 28 02:40	8° \approx 09'35	-2°10'33		6932 Feb 05 04:08	0° \approx	
minimum elong	6931 Mar 28 01:39	8° \approx 05'24	2°10'34	greatest brilliancy	6932 Feb 09 21:51	7° \approx 04'17	-0.8m
evening rise	6931 Apr 10 03:08	0° \approx 04'36		desc. node	6932 Feb 14 19:15	14° \approx 34'52	
	6931 Apr 10 02:03	0° \approx		morning set	6932 Feb 19 02:45	21° \approx 15'52	
asc. node	6931 Apr 21 12:12	19° \approx 08'19			6932 Feb 24 17:30	0° \approx	
evening max el	6931 Apr 27 21:01	27° \approx 25'30	18°08'59	max. Earth dist.	6932 Mar 04 04:06	13° \approx 12'23	1.45082 AU
	6931 May 01 06:02	0° \approx					
retrograde	6931 May 04 06:53	0° \approx 47'15		superior conj	6932 Mar 06 18:06	17° \approx 16'47	-1°57'29
evening set	6931 May 07 02:52	0° \approx 06'15		minimum elong	6932 Mar 06 10:30	16° \approx 46'43	1°56'59
	6931 May 07 07:57	30° \approx 38			6932 Mar 14 17:25	0° \approx	
inferior conj	6931 May 13 07:12	24° \approx 53'06	3°08'56	evening rise	6932 Mar 21 12:04	11° \approx 01'25	
minimum elong	6931 May 13 09:19	24° \approx 47'27	3°08'33		6932 Apr 02 05:19	0° \approx	
min. Earth dist.	6931 May 16 02:22	21° \approx 54'40	0.62709 AU	asc. node	6932 Apr 07 09:16	7° \approx 23'52	
morning rise	6931 May 19 14:13	18° \approx 45'43		evening max el	6932 Apr 10 09:33	10° \approx 52'29	18°28'55
direct	6931 May 26 09:26	16° \approx 12'57		retrograde	6932 Apr 16 21:11	14° \approx 23'56	
desc. node	6931 May 26 21:38	16° \approx 13'45		evening set	6932 Apr 20 00:03	13° \approx 29'41	
morning max el	6931 Jun 09 10:38	24° \approx 15'25	27°51'56	inferior conj	6932 Apr 25 18:43	7° \approx 58'46	3°25'33
	6931 Jun 14 14:57	0° \approx		minimum elong	6932 Apr 25 19:22	7° \approx 56'50	3°25'29
	6931 Jul 04 14:18	0° \approx		min. Earth dist.	6932 Apr 27 22:56	5° \approx 24'45	0.64649 AU
morning set	6931 Jul 13 13:58	17° \approx 03'11		morning rise	6932 May 01 13:52	1° \approx 44'35	
asc. node	6931 Jul 18 11:27	27° \approx 14'05			6932 May 04 03:50	30° \approx 30	
max. Earth dist.	6931 Jul 18 23:00	28° \approx 15'52	1.32400 AU	direct	6932 May 08 06:47	28° \approx 58'05	
	6931 Jul 19 18:23	0° \approx		desc. node	6932 May 12 18:39	0° \approx 01'29	
					6932 May 12 17:19	0° \approx	
superior conj	6931 Jul 21 05:12	3° \approx 08'22	0°27'53	morning max el	6932 May 21 20:16	6° \approx 54'50	27°20'57
minimum elong	6931 Jul 21 03:56	3° \approx 01'29	0°27'33		6932 Jun 08 13:54	0° \approx	
evening rise	6931 Jul 28 02:46	18° \approx 07'39			6932 Jun 25 20:26	0° \approx	
	6931 Aug 02 21:57	0° \approx		morning set	6932 Jun 26 04:48	0° \approx 40'45	
evening max el	6931 Aug 21 04:28	26° \approx 58'12	23°50'48	max. Earth dist.	6932 Jun 30 20:42	10° \approx 02'25	1.33404 AU
desc. node	6931 Aug 22 20:47	28° \approx 30'17					
	6931 Aug 24 17:38	0° \approx		superior conj	6932 Jul 04 09:26	17° \approx 25'42	0°00'25
retrograde	6931 Sep 03 20:47	3° \approx 49'57		minimum elong	6932 Jul 04 09:25	17° \approx 25'37	0°00'20
evening set	6931 Sep 08 09:14	3° \approx 05'02		behind sun begin	6932 Jul 04 03:56	16° \approx 56'30	
min. Earth dist.	6931 Sep 14 14:50	0° \approx 04'16	0.56013 AU	behind sun end	6932 Jul 04 14:55	17° \approx 54'47	
	6931 Sep 14 17:42	30° \approx 38		asc. node	6932 Jul 04 08:28	17° \approx 20'34	
inferior conj	6931 Sep 16 20:14	28° \approx 43'22	-5°25'44		6932 Jul 10 06:34	0° \approx	
minimum elong	6931 Sep 16 18:05	28° \approx 46'39	5°25'38	evening rise	6932 Jul 11 13:59	2° \approx 46'38	
morning rise	6931 Sep 25 05:14	24° \approx 47'14			6932 Jul 26 15:27	0° \approx	
direct	6931 Sep 28 00:06	24° \approx 27'34		evening max el	6932 Aug 01 18:12	7° \approx 15'36	22°12'38
morning max el	6931 Oct 08 04:55	29° \approx 13'55	20°00'58	desc. node	6932 Aug 08 17:50	12° \approx 18'27	
	6931 Oct 08 23:52	0° \approx		retrograde	6932 Aug 14 14:56	13° \approx 39'07	
asc. node	6931 Oct 14 10:52	6° \approx 46'53		evening set	6932 Aug 17 15:43	13° \approx 18'46	
morning set	6931 Oct 26 06:53	28° \approx 14'57		min. Earth dist.	6932 Aug 26 00:02	9° \approx 41'43	0.54951 AU
	6931 Oct 27 03:30	0° \approx		inferior conj	6932 Aug 26 19:01	9° \approx 15'01	-4°43'35
				minimum elong	6932 Aug 26 10:41	9° \approx 26'45	4°41'54
superior conj	6931 Nov 03 00:08	13° \approx 57'50	1°36'09	morning rise	6932 Sep 04 07:16	5° \approx 26'03	
minimum elong	6931 Nov 03 02:00	14° \approx 07'11	1°36'04	direct	6932 Sep 07 13:55	5° \approx 02'01	
max. Earth dist.	6931 Nov 08 16:54	25° \approx 03'53	1.36962 AU	morning max el	6932 Sep 19 08:26	10° \approx 33'06	21°26'53
	6931 Nov 11 08:35	0° \approx		asc. node	6932 Sep 30 07:52	25° \approx 05'08	
evening rise	6931 Nov 12 11:55	2° \approx 04'18			6932 Oct 03 02:26	0° \approx	
desc. node	6931 Nov 18 19:55	13° \approx 04'58		morning set	6932 Oct 09 15:50	13° \approx 00'22	
	6931 Nov 29 14:50	0° \approx					
evening max el	6931 Dec 18 03:47	23° \approx 18'08	25°40'43	superior conj	6932 Oct 16 22:13	28° \approx 16'27	1°41'57
	6931 Dec 27 23:38	0° \approx		minimum elong	6932 Oct 16 22:40	28° \approx 18'45	1°41'58

	6932 Oct 17 18:11	0°♍		minimum elong	6933 Oct 01 02:22	12°♊50'11	1°40'50
max. Earth dist.	6932 Oct 21 04:01	6°♍56'38	1.35102 AU	max. Earth dist.	6933 Oct 03 23:41	18°♊58'21	1.33615 AU
evening rise	6932 Oct 25 09:25	15°♍11'04		evening rise	6933 Oct 08 20:30	28°♊55'09	
	6932 Nov 02 15:23	0°♊			6933 Oct 09 09:38	0°♍	
desc. node	6932 Nov 04 16:58	3°♊27'07		desc. node	6933 Oct 22 14:01	23°♍30'41	
	6932 Nov 23 06:03	0°♊			6933 Oct 26 18:41	0°♊	
evening max el	6932 Nov 29 16:58	7°♊00'58	26°39'49	evening max el	6933 Nov 12 05:48	20°♊30'41	27°17'38
retrograde	6932 Dec 12 17:32	14°♊16'58		retrograde	6933 Nov 25 17:00	27°♊49'22	
evening set	6932 Dec 19 05:26	11°♊41'10		evening set	6933 Dec 02 14:55	25°♊11'55	
min. Earth dist.	6932 Dec 23 07:19	7°♊33'04	0.66112 AU	min. Earth dist.	6933 Dec 06 11:07	21°♊38'02	0.64691 AU
inferior conj	6932 Dec 25 03:00	5°♊23'37	-0°44'09	inferior conj	6933 Dec 08 18:35	19°♊07'55	-1°48'23
minimum elong	6932 Dec 25 04:14	5°♊19'57	0°43'33	minimum elong	6933 Dec 08 21:50	18°♊59'06	1°46'59
asc. node	6932 Dec 27 07:12	2°♊54'23		asc. node	6933 Dec 14 04:13	14°♊13'41	
	6932 Dec 30 15:15	30°♋♊		morning rise	6933 Dec 15 06:06	13°♊39'39	
morning rise	6932 Dec 31 03:53	29°♊41'40		direct	6933 Dec 17 19:54	13°♊05'11	
direct	6933 Jan 03 01:30	28°♊54'46		morning max el	6933 Dec 24 06:44	16°♊29'09	17°56'47
	6933 Jan 06 13:47	0°♊			6934 Jan 03 01:19	0°♊	
morning max el	6933 Jan 09 14:22	2°♊26'12	18°22'30	morning set	6934 Jan 10 16:44	12°♊40'35	
	6933 Jan 28 12:26	0°♊		desc. node	6934 Jan 18 13:18	25°♊41'36	
morning set	6933 Jan 29 06:59	1°♊14'17			6934 Jan 21 04:50	0°♊	
desc. node	6933 Jan 31 16:16	5°♊03'14					
				superior conj	6934 Jan 24 10:33	5°♊12'34	-0°41'01
superior conj	6933 Feb 13 22:08	25°♊59'37	-1°25'06	minimum elong	6934 Jan 24 05:41	4°♊53'09	0°40'18
minimum elong	6933 Feb 13 12:50	25°♊23'09	1°24'02	max. Earth dist.	6934 Jan 28 19:04	12°♊07'30	1.45058 AU
max. Earth dist.	6933 Feb 14 23:10	27°♊37'44	1.45445 AU		6934 Feb 09 06:46	0°♋	
	6933 Feb 16 11:31	0°♋		evening rise	6934 Feb 09 13:45	0°♋26'50	
evening rise	6933 Mar 01 21:46	21°♋02'39		greatest brilliancy	6934 Feb 24 02:21	22°♋25'32	-0.6m
	6933 Mar 07 14:26	0°♋			6934 Mar 01 10:10	0°♋	
greatest brilliancy	6933 Mar 12 06:45	7°♋17'52	-0.8m	evening max el	6934 Mar 07 23:56	8°♋01'06	19°59'40
evening max el	6933 Mar 24 19:07	24°♋25'28	19°06'21	asc. node	6934 Mar 12 03:24	11°♋23'51	
asc. node	6933 Mar 25 06:20	24°♋53'18		retrograde	6934 Mar 15 14:53	12°♋26'20	
retrograde	6933 Mar 31 16:46	28°♋18'40		evening set	6934 Mar 19 09:23	11°♋03'27	
evening set	6933 Apr 04 03:01	27°♋10'22		inferior conj	6934 Mar 24 18:15	5°♋01'52	3°12'36
inferior conj	6933 Apr 09 15:23	21°♋23'10	3°25'35	minimum elong	6934 Mar 24 16:36	5°♋07'25	3°12'21
minimum elong	6933 Apr 09 14:42	21°♋25'19	3°25'32	min. Earth dist.	6934 Mar 25 16:23	3°♋47'22	0.67333 AU
min. Earth dist.	6933 Apr 11 04:05	19°♋26'01	0.66209 AU		6934 Mar 28 17:55	30°♋♋	
morning rise	6933 Apr 15 02:01	15°♋06'49		morning rise	6934 Mar 29 23:36	28°♋45'59	
direct	6933 Apr 21 10:42	12°♋19'37		direct	6934 Apr 04 20:19	26°♋08'51	
desc. node	6933 Apr 29 15:40	15°♋48'56			6934 Apr 13 04:03	0°♋	
morning max el	6933 May 04 06:21	19°♋57'09	26°21'11	morning max el	6934 Apr 16 15:41	3°♋12'50	25°01'51
	6933 May 12 20:33	0°♋		desc. node	6934 Apr 16 12:42	3°♋05'19	
	6933 Jun 01 16:25	0°♋			6934 May 07 01:40	0°♋	
morning set	6933 Jun 09 07:32	13°♋40'02		morning set	6934 May 22 17:34	25°♋48'37	
max. Earth dist.	6933 Jun 13 07:46	21°♋21'03	1.34881 AU		6934 May 25 01:15	0°♋	
	6933 Jun 17 15:28	0°♋		max. Earth dist.	6934 May 26 08:43	2°♋24'43	1.36785 AU
superior conj	6933 Jun 18 06:51	1°♋18'39	-0°29'36	superior conj	6934 Jun 01 18:26	14°♋39'07	-1°00'37
minimum elong	6933 Jun 18 08:31	1°♋27'12	0°29'20	minimum elong	6934 Jun 01 22:00	14°♋56'40	1°00'03
asc. node	6933 Jun 21 05:32	7°♋24'19		asc. node	6934 Jun 08 02:34	27°♋20'54	
evening rise	6933 Jun 25 22:42	17°♋14'16			6934 Jun 09 10:03	0°♋	
	6933 Jul 02 09:08	0°♋		evening rise	6934 Jun 10 02:39	1°♋23'37	
evening max el	6933 Jul 14 17:19	17°♋56'25	20°44'27	evening max el	6934 Jun 27 05:14	29°♋18'10	19°34'17
retrograde	6933 Jul 26 03:05	23°♋34'09			6934 Jun 27 22:52	0°♋	
desc. node	6933 Jul 26 14:52	23°♋33'33		retrograde	6934 Jul 06 21:54	4°♋04'18	
evening set	6933 Jul 28 05:32	23°♋23'28		evening set	6934 Jul 08 18:57	3°♋54'21	
inferior conj	6933 Aug 06 11:50	19°♋26'33	-3°11'01	desc. node	6934 Jul 13 11:56	2°♋13'08	
minimum elong	6933 Aug 06 03:26	19°♋38'31	3°08'17		6934 Jul 17 06:41	30°♋♋	
min. Earth dist.	6933 Aug 07 09:57	18°♋54'59	0.54780 AU	inferior conj	6934 Jul 17 13:12	29°♋49'40	-1°13'47
morning rise	6933 Aug 15 01:10	15°♋25'42		minimum elong	6934 Jul 17 09:51	29°♋54'59	1°12'33
direct	6933 Aug 18 22:43	14°♋53'09		min. Earth dist.	6934 Jul 19 22:29	28°♋19'07	0.55562 AU
morning max el	6933 Sep 01 01:40	21°♋11'14	23°08'15	morning rise	6934 Jul 25 22:20	25°♋18'05	
	6933 Sep 08 14:52	0°♋		direct	6934 Jul 30 14:56	24°♋28'55	
asc. node	6933 Sep 17 04:54	14°♋00'20			6934 Aug 11 23:18	0°♋	
morning set	6933 Sep 24 03:05	27°♋51'32		morning max el	6934 Aug 13 14:43	1°♋28'51	24°52'51
	6933 Sep 25 03:17	0°♋			6934 Sep 02 08:15	0°♋	
				asc. node	6934 Sep 04 01:54	3°♋22'13	
superior conj	6933 Oct 01 03:10	12°♋54'29	1°40'51	morning set	6934 Sep 08 14:48	12°♋42'08	

superior conj	6934 Sep 15 12:22	27° \mathbb{M} 42'57	1°33'42		6935 Aug 25 06:01	0° \mathbb{M}	
minimum elong	6934 Sep 15 10:39	27° \mathbb{M} 33'36	1°33'34				
	6934 Sep 16 13:27	0° \mathbb{L}		superior conj	6935 Aug 30 23:45	12° \mathbb{M} 35'17	1°21'12
max. Earth dist.	6934 Sep 17 03:07	1° \mathbb{L} 14'22	1.32555 AU	minimum elong	6935 Aug 30 21:33	12° \mathbb{M} 23'08	1°20'54
evening rise	6934 Sep 22 17:29	13° \mathbb{L} 05'46		max. Earth dist.	6935 Aug 31 11:48	13° \mathbb{M} 41'58	1.31938 AU
	6934 Oct 01 13:02	0° \mathbb{M}		evening rise	6935 Sep 06 21:28	27° \mathbb{M} 34'47	
desc. node	6934 Oct 09 11:02	13° \mathbb{M} 06'49			6935 Sep 08 01:20	0° \mathbb{L}	
	6934 Oct 22 04:51	0° \mathbb{X}			6935 Sep 24 21:51	0° \mathbb{M}	
evening max el	6934 Oct 25 16:17	3° \mathbb{X} 33'34	27°27'45	desc. node	6935 Sep 26 08:03	2° \mathbb{M} 04'25	
retrograde	6934 Nov 08 09:52	10° \mathbb{X} 49'50		evening max el	6935 Oct 07 22:10	15° \mathbb{M} 57'41	27°05'26
evening set	6934 Nov 15 13:04	8° \mathbb{X} 19'46		retrograde	6935 Oct 21 19:26	23° \mathbb{M} 09'06	
min. Earth dist.	6934 Nov 19 05:14	5° \mathbb{X} 16'22	0.62947 AU	evening set	6935 Oct 28 20:06	20° \mathbb{M} 57'51	
inferior conj	6934 Nov 21 23:57	2° \mathbb{X} 34'25	-2°55'21	min. Earth dist.	6935 Nov 01 12:46	18° \mathbb{M} 16'06	0.60956 AU
minimum elong	6934 Nov 22 05:18	2° \mathbb{X} 21'25	2°53'21	inferior conj	6935 Nov 04 15:53	15° \mathbb{M} 35'18	-4°00'30
	6934 Nov 24 18:51	30° \mathbb{R} \mathbb{M}		minimum elong	6935 Nov 04 22:40	15° \mathbb{M} 20'45	3°58'30
morning rise	6934 Nov 28 23:23	27° \mathbb{M} 23'10		morning rise	6935 Nov 12 03:26	10° \mathbb{M} 44'04	
direct	6934 Dec 01 07:47	26° \mathbb{M} 57'27		direct	6935 Nov 14 09:27	10° \mathbb{M} 23'42	
asc. node	6934 Dec 01 01:15	26° \mathbb{M} 57'48		asc. node	6935 Nov 17 22:17	11° \mathbb{M} 16'11	
	6934 Dec 07 14:14	0° \mathbb{X}		morning max el	6935 Nov 21 14:23	13° \mathbb{M} 59'45	17°58'45
morning max el	6934 Dec 07 23:49	0° \mathbb{X} 23'05	17°48'31		6935 Dec 02 11:56	0° \mathbb{X}	
morning set	6934 Dec 24 02:50	25° \mathbb{X} 16'44		morning set	6935 Dec 07 06:53	8° \mathbb{X} 43'31	
	6934 Dec 26 19:27	0° \mathbb{Z}					
superior conj	6935 Jan 04 21:44	15° \mathbb{Z} 33'18	0°03'47	superior conj	6935 Dec 17 10:50	27° \mathbb{X} 08'38	0°41'49
minimum elong	6935 Jan 04 22:08	15° \mathbb{Z} 34'56	0°03'47	minimum elong	6935 Dec 17 14:00	27° \mathbb{X} 22'32	0°41'26
behind sun begin	6935 Jan 04 13:07	14° \mathbb{Z} 57'19			6935 Dec 19 02:06	0° \mathbb{Z}	
behind sun end	6935 Jan 05 07:09	16° \mathbb{Z} 12'28		desc. node	6935 Dec 23 07:15	7° \mathbb{Z} 11'34	
desc. node	6935 Jan 05 10:18	16° \mathbb{Z} 25'35		max. Earth dist.	6935 Dec 25 00:41	10° \mathbb{Z} 04'20	1.42318 AU
max. Earth dist.	6935 Jan 11 12:12	26° \mathbb{Z} 21'23	1.43969 AU	evening rise	6935 Dec 30 22:13	19° \mathbb{Z} 38'07	
	6935 Jan 13 18:58	0° \mathbb{A}			6936 Jan 06 14:15	0° \mathbb{A}	
evening rise	6935 Jan 20 00:46	9° \mathbb{A} 46'12		evening max el	6936 Jan 28 00:21	0° \mathbb{H}	
	6935 Feb 02 11:46	0° \mathbb{H}			6936 Feb 01 17:25	5° \mathbb{H} 16'33	22°22'30
evening max el	6935 Feb 18 23:12	21° \mathbb{H} 37'59	21°06'23	retrograde	6936 Feb 11 09:58	11° \mathbb{H} 01'48	
asc. node	6935 Feb 27 00:26	26° \mathbb{H} 40'50		asc. node	6936 Feb 13 21:29	10° \mathbb{H} 30'05	
retrograde	6935 Feb 27 13:14	26° \mathbb{H} 42'19		evening set	6936 Feb 16 00:51	9° \mathbb{H} 08'51	
evening set	6935 Mar 03 17:13	25° \mathbb{H} 04'29		inferior conj	6936 Feb 21 09:10	2° \mathbb{H} 46'53	2°16'02
inferior conj	6935 Mar 09 00:53	18° \mathbb{H} 51'07	2°48'56	minimum elong	6936 Feb 21 06:52	2° \mathbb{H} 54'54	2°15'21
minimum elong	6935 Mar 08 22:41	18° \mathbb{H} 58'43	2°48'25	min. Earth dist.	6936 Feb 21 06:02	2° \mathbb{H} 57'49	0.68283 AU
min. Earth dist.	6935 Mar 09 09:49	18° \mathbb{H} 20'12	0.68016 AU		6936 Feb 23 10:22	30° \mathbb{R} \mathbb{A}	
morning rise	6935 Mar 14 03:58	12° \mathbb{H} 37'25		morning rise	6936 Feb 26 12:44	26° \mathbb{A} 36'56	
direct	6935 Mar 19 10:51	10° \mathbb{H} 17'46		direct	6936 Mar 02 05:21	24° \mathbb{A} 38'46	
morning max el	6935 Mar 30 00:48	16° \mathbb{H} 35'59	23°33'10		6936 Mar 11 10:08	0° \mathbb{H}	
desc. node	6935 Apr 03 09:43	21° \mathbb{H} 25'58		morning max el	6936 Mar 11 12:28	0° \mathbb{H} 05'51	22°04'45
	6935 Apr 10 02:34	0° \mathbb{Y}		desc. node	6936 Mar 20 06:41	10° \mathbb{H} 32'08	
	6935 Apr 30 02:12	0° \mathbb{B}			6936 Apr 02 21:40	0° \mathbb{Y}	
morning set	6935 May 04 05:20	6° \mathbb{B} 52'25		morning set	6936 Apr 13 13:38	16° \mathbb{Y} 37'56	
max. Earth dist.	6935 May 08 04:29	13° \mathbb{B} 42'21	1.38964 AU	max. Earth dist.	6936 Apr 19 02:16	25° \mathbb{Y} 42'56	1.41169 AU
					6936 Apr 21 15:05	0° \mathbb{B}	
superior conj	6935 May 15 16:31	27° \mathbb{B} 18'31	-1°30'13	superior conj	6936 Apr 26 20:30	9° \mathbb{B} 05'28	-1°54'48
minimum elong	6935 May 15 21:39	27° \mathbb{B} 42'32	1°29'35	minimum elong	6936 Apr 27 01:46	9° \mathbb{B} 28'48	1°54'25
	6935 May 17 02:51	0° \mathbb{I}		evening rise	6936 May 07 08:20	28° \mathbb{B} 16'22	
evening rise	6935 May 24 23:04	15° \mathbb{I} 07'33			6936 May 08 06:38	0° \mathbb{I}	
asc. node	6935 May 25 23:36	17° \mathbb{I} 06'25		asc. node	6936 May 11 20:37	6° \mathbb{I} 35'26	
	6935 Jun 01 23:01	0° \mathbb{E}		evening max el	6936 May 23 12:24	24° \mathbb{I} 02'32	18°15'27
evening max el	6935 Jun 10 04:45	11° \mathbb{E} 22'57	18°44'40	retrograde	6936 May 30 15:06	27° \mathbb{I} 36'30	
retrograde	6935 Jun 18 09:06	15° \mathbb{E} 25'25		evening set	6936 Jun 02 00:04	27° \mathbb{I} 13'29	
evening set	6935 Jun 20 10:40	15° \mathbb{E} 10'54		inferior conj	6936 Jun 09 03:43	22° \mathbb{I} 31'26	1°56'59
inferior conj	6935 Jun 28 09:38	10° \mathbb{E} 49'13	0°34'56	minimum elong	6936 Jun 09 06:54	22° \mathbb{I} 24'34	1°55'58
minimum elong	6935 Jun 28 10:58	10° \mathbb{E} 46'47	0°34'23	min. Earth dist.	6936 Jun 12 13:33	19° \mathbb{I} 36'13	0.59245 AU
desc. node	6935 Jun 30 08:58	9° \mathbb{E} 21'32		morning rise	6936 Jun 16 10:41	16° \mathbb{I} 51'59	
min. Earth dist.	6935 Jul 01 15:14	8° \mathbb{E} 26'59	0.57153 AU	desc. node	6936 Jun 16 06:00	16° \mathbb{I} 58'43	
morning rise	6935 Jul 06 07:47	5° \mathbb{E} 40'31		direct	6936 Jun 22 18:09	15° \mathbb{I} 02'50	
direct	6935 Jul 11 21:35	4° \mathbb{E} 24'13		morning max el	6936 Jul 07 03:11	22° \mathbb{I} 52'40	27°27'10
morning max el	6935 Jul 26 06:02	11° \mathbb{E} 55'05	26°24'02		6936 Jul 13 11:13	0° \mathbb{E}	
	6935 Aug 09 07:33	0° \mathbb{O}			6936 Aug 01 09:12	0° \mathbb{O}	
asc. node	6935 Aug 21 22:56	23° \mathbb{O} 03'29		morning set	6936 Aug 07 09:12	12° \mathbb{O} 01'31	
morning set	6935 Aug 24 01:24	27° \mathbb{O} 27'12		asc. node	6936 Aug 07 19:56	12° \mathbb{O} 57'52	

superior conj	6936 Aug 14 11:29	27° Ω 25'17	1°03'52	asc. node	6937 Jul 25 16:56	3° Ω 00'31	
minimum elong	6936 Aug 14 09:16	27° Ω 12'59	1°03'28	max. Earth dist.	6937 Jul 28 07:12	8° Ω 36'12	1.32042 AU
max. Earth dist.	6936 Aug 13 22:24	26° Ω 12'51	1.31766 AU				
	6936 Aug 15 15:26	0° Π		superior conj	6937 Jul 29 21:49	12° Ω 07'22	0°42'10
evening rise	6936 Aug 21 06:04	12° Π 14'55		minimum elong	6937 Jul 29 20:04	11° Ω 57'41	0°41'46
	6936 Aug 30 04:57	0° Ω		evening rise	6937 Aug 05 17:12	26° Ω 59'41	
desc. node	6936 Sep 12 05:06	20° Ω 08'04			6937 Aug 07 03:13	0° Π	
evening max el	6936 Sep 18 21:09	27° Ω 33'55	26°09'45		6937 Aug 24 06:58	0° Ω	
	6936 Sep 21 16:16	0° Π		desc. node	6937 Aug 30 02:10	6° Ω 56'01	
retrograde	6936 Oct 02 19:51	4° Π 39'45		evening max el	6937 Aug 31 12:29	8° Ω 21'45	24°46'15
evening set	6936 Oct 09 07:11	2° Π 58'41		retrograde	6937 Sep 14 08:59	15° Ω 20'27	
min. Earth dist.	6936 Oct 13 10:15	0° Π 23'59	0.58870 AU	evening set	6937 Sep 19 17:58	14° Ω 15'41	
	6936 Oct 13 23:29	30° \mathbb{R} Ω		min. Earth dist.	6937 Sep 24 23:42	11° Ω 29'45	0.56937 AU
inferior conj	6936 Oct 16 14:55	28° Ω 01'10	-4°55'25	inferior conj	6937 Sep 27 18:05	9° Ω 42'16	-5°26'07
minimum elong	6936 Oct 16 21:03	27° Ω 49'41	4°54'15	minimum elong	6937 Sep 27 19:55	9° Ω 39'16	5°26'01
morning rise	6936 Oct 24 13:10	23° Ω 32'17		morning rise	6937 Oct 06 00:06	5° Ω 35'47	
direct	6936 Oct 26 20:49	23° Ω 14'09		direct	6937 Oct 08 14:00	5° Ω 17'10	
asc. node	6936 Nov 03 19:19	27° Ω 00'56		morning max el	6937 Oct 17 21:49	9° Ω 41'36	19°21'05
morning max el	6936 Nov 03 22:54	27° Ω 09'31	18°29'04	asc. node	6937 Oct 21 16:20	13° Ω 56'46	
	6936 Nov 06 12:41	0° Π			6937 Oct 31 08:58	0° Π	
morning set	6936 Nov 19 23:33	22° Π 45'51		morning set	6937 Nov 04 00:46	7° Π 11'14	
	6936 Nov 23 17:44	0° \mathbb{X}					
				superior conj	6937 Nov 12 02:44	23° Π 16'47	1°29'15
superior conj	6936 Nov 28 22:17	9° \mathbb{X} 48'23	1°10'20	minimum elong	6937 Nov 12 05:23	23° Π 29'43	1°29'04
minimum elong	6936 Nov 29 01:51	10° \mathbb{X} 04'55	1°09'57		6937 Nov 15 14:47	0° \mathbb{X}	
max. Earth dist.	6936 Dec 06 08:41	23° \mathbb{X} 08'12	1.40301 AU	max. Earth dist.	6937 Nov 18 14:17	5° \mathbb{X} 31'53	1.38155 AU
desc. node	6936 Dec 09 04:15	27° \mathbb{X} 56'41		evening rise	6937 Nov 22 08:06	12° \mathbb{X} 13'44	
	6936 Dec 10 09:41	0° \mathbb{Z}		desc. node	6937 Nov 26 01:16	18° \mathbb{X} 36'27	
evening rise	6936 Dec 10 16:02	0° \mathbb{Z} 26'24			6937 Dec 03 02:16	0° \mathbb{Z}	
	6936 Dec 30 00:23	0° \approx			6937 Dec 25 05:56	0° \approx	
evening max el	6937 Jan 14 08:13	18° \approx 59'12	23°42'29	evening max el	6937 Dec 27 21:23	2° \approx 44'45	24°59'59
retrograde	6937 Jan 25 03:38	25° \approx 21'33		retrograde	6938 Jan 08 17:11	9° \approx 36'19	
evening set	6937 Jan 30 06:46	23° \approx 13'42		evening set	6938 Jan 14 09:24	7° \approx 14'48	
asc. node	6937 Jan 30 18:32	22° \approx 47'38		asc. node	6938 Jan 17 15:35	3° \approx 47'40	
min. Earth dist.	6937 Feb 04 02:45	17° \approx 36'34	0.68161 AU	min. Earth dist.	6938 Jan 18 21:36	2° \approx 12'07	0.67656 AU
inferior conj	6937 Feb 04 17:17	16° \approx 46'57	1°34'54	inferior conj	6938 Jan 19 23:22	0° \approx 47'37	0°46'12
minimum elong	6937 Feb 04 15:20	16° \approx 53'36	1°34'14	minimum elong	6938 Jan 19 22:16	0° \approx 51'14	0°45'50
morning rise	6937 Feb 09 23:52	10° \approx 42'21			6938 Jan 20 13:56	30° \mathbb{R} \mathbb{Z}	
direct	6937 Feb 14 02:44	9° \approx 06'48		morning rise	6938 Jan 25 11:21	24° \mathbb{Z} 50'12	
morning max el	6937 Feb 22 06:19	13° \approx 46'51	20°44'23	direct	6938 Jan 29 01:33	23° \mathbb{Z} 36'03	
desc. node	6937 Mar 07 03:40	0° \mathbb{X} 11'39		morning max el	6938 Feb 05 08:12	27° \mathbb{Z} 39'54	19°37'00
	6937 Mar 07 00:24	0° \mathbb{X}			6938 Feb 07 12:16	0° \approx	
morning set	6937 Mar 23 20:04	25° \mathbb{X} 13'41		greatest brilliancy	6938 Feb 18 04:50	14° \approx 32'05	-0.7m
	6937 Mar 26 21:08	0° \mathbb{Y}		desc. node	6938 Feb 22 00:39	20° \approx 15'05	
max. Earth dist.	6937 Apr 01 07:15	8° \mathbb{Y} 39'59	1.43117 AU		6938 Feb 28 10:14	0° \mathbb{X}	
				morning set	6938 Mar 02 17:04	3° \mathbb{X} 30'51	
superior conj	6937 Apr 08 01:43	19° \mathbb{Y} 50'02	-2°09'13	max. Earth dist.	6938 Mar 14 19:47	22° \mathbb{X} 25'26	1.44555 AU
minimum elong	6937 Apr 08 04:04	19° \mathbb{Y} 59'53	2°09'12				
	6937 Apr 14 00:30	0° \mathbb{X}		superior conj	6938 Mar 19 05:48	29° \mathbb{X} 28'31	-2°07'31
evening rise	6937 Apr 20 02:17	10° \mathbb{X} 40'38		minimum elong	6938 Mar 19 01:49	29° \mathbb{X} 12'30	2°07'23
asc. node	6937 Apr 28 17:40	25° \mathbb{X} 42'08			6938 Mar 19 13:38	0° \mathbb{Y}	
	6937 May 01 10:44	0° Π		evening rise	6938 Apr 02 00:21	22° \mathbb{Y} 11'19	
evening max el	6937 May 07 00:28	7° Π 07'13	18°05'51		6938 Apr 06 15:35	0° \mathbb{X}	
retrograde	6937 May 13 13:17	10° Π 28'58		asc. node	6938 Apr 15 14:43	14° \mathbb{X} 19'05	
evening set	6937 May 16 05:28	9° Π 54'51		evening max el	6938 Apr 20 13:36	20° \mathbb{X} 28'04	18°15'12
inferior conj	6937 May 22 17:07	4° Π 52'27	2°49'56	retrograde	6938 Apr 26 23:03	23° \mathbb{X} 52'23	
minimum elong	6937 May 22 19:56	4° Π 45'25	2°49'17	evening set	6938 Apr 29 22:00	23° \mathbb{X} 05'43	
min. Earth dist.	6937 May 25 19:27	1° Π 48'47	0.61482 AU	inferior conj	6938 May 05 21:44	17° \mathbb{X} 44'32	3°18'16
	6937 May 27 20:35	30° \mathbb{R} \mathbb{X}		minimum elong	6938 May 05 23:15	17° \mathbb{X} 40'18	3°18'04
morning rise	6937 May 29 08:22	28° \mathbb{X} 52'43		min. Earth dist.	6938 May 08 10:37	14° \mathbb{X} 54'49	0.63576 AU
desc. node	6937 Jun 03 03:02	26° \mathbb{X} 44'57		morning rise	6938 May 11 23:20	11° \mathbb{X} 33'32	
direct	6937 Jun 05 01:45	26° \mathbb{X} 33'31		direct	6938 May 18 18:16	8° \mathbb{X} 53'43	
	6937 Jun 14 00:07	0° Π		desc. node	6938 May 21 00:04	9° \mathbb{X} 09'24	
morning max el	6937 Jun 19 06:46	4° Π 32'57	27°53'50	morning max el	6938 Jun 01 15:12	16° \mathbb{X} 54'35	27°42'51
	6937 Jul 08 05:53	0° \mathbb{X}			6938 Jun 12 11:28	0° Π	
morning set	6937 Jul 22 12:19	26° \mathbb{X} 19'34			6938 Jul 01 00:38	0° \mathbb{X}	
	6937 Jul 24 06:48	0° Ω		morning set	6938 Jul 06 08:31	10° \mathbb{X} 14'58	

max. Earth dist.	6938 Jul 11 10:20	20°☿40'45	1.32772 AU		6939 May 15 06:55	0°♄	
asc. node	6938 Jul 12 13:57	23°☿07'13			6939 Jun 06 09:40	0°♄	
				morning set	6939 Jun 19 18:41	23°♄38'00	
superior conj	6938 Jul 14 04:55	26°☿35'56	0°16'37		6939 Jun 23 00:45	0°☿	
minimum elong	6938 Jul 14 04:07	26°☿31'38	0°16'23	max. Earth dist.	6939 Jun 24 03:50	2°☿15'51	1.33974 AU
	6938 Jul 15 18:41	0°♄					
evening rise	6938 Jul 21 04:58	11°♄43'09		superior conj	6939 Jun 28 06:32	10°☿43'42	-0°12'06
	6938 Jul 30 11:44	0°♄		minimum elong	6939 Jun 28 07:11	10°☿47'07	0°12'02
evening max el	6938 Aug 13 00:15	18°♄40'22	23°08'33	behind sun begin	6939 Jun 28 03:24	10°☿27'21	
desc. node	6938 Aug 16 23:14	21°♄59'56		behind sun end	6939 Jun 28 10:57	11°☿06'54	
retrograde	6938 Aug 26 09:55	25°♄22'43		asc. node	6939 Jun 29 10:58	13°☿13'06	
evening set	6938 Aug 30 06:49	24°♄49'55		evening rise	6939 Jul 05 15:21	26°☿18'07	
min. Earth dist.	6938 Sep 06 09:08	21°♄35'31	0.55465 AU		6939 Jul 07 10:04	0°♄	
inferior conj	6938 Sep 08 01:39	20°♄36'38	-5°14'37	evening max el	6939 Jul 25 17:00	29°♄03'45	21°33'13
minimum elong	6938 Sep 07 20:27	20°♄44'13	5°14'02		6939 Jul 26 16:50	0°♄	
morning rise	6938 Sep 16 12:19	16°♄45'59		desc. node	6939 Aug 03 20:18	4°♄45'56	
direct	6938 Sep 19 11:58	16°♄24'48		retrograde	6939 Aug 07 00:47	5°♄10'13	
morning max el	6938 Sep 30 08:40	21°♄28'44	20°35'14	evening set	6939 Aug 09 13:36	4°♄55'35	
	6938 Oct 07 08:49	0°♄		inferior conj	6939 Aug 18 20:10	0°♄56'05	-4°09'29
asc. node	6938 Oct 08 13:21	1°♄49'01		minimum elong	6939 Aug 18 10:55	1°♄09'03	4°07'03
morning set	6938 Oct 19 07:34	21°♄51'30		min. Earth dist.	6939 Aug 18 18:29	0°♄58'28	0.54757 AU
	6938 Oct 23 05:54	0°♄			6939 Aug 20 12:31	30°♄	
				morning rise	6939 Aug 27 09:17	27°♄04'37	
superior conj	6938 Oct 26 19:32	7°♄20'44	1°39'31	direct	6939 Aug 30 21:28	26°♄37'53	
minimum elong	6938 Oct 26 20:48	7°♄27'09	1°39'30		6939 Sep 09 06:46	0°♄	
max. Earth dist.	6938 Oct 31 21:51	17°♄29'09	1.36129 AU	morning max el	6939 Sep 12 07:24	2°♄29'21	22°08'46
evening rise	6938 Nov 04 19:58	24°♄54'16		asc. node	6939 Sep 25 10:22	20°♄24'04	
	6938 Nov 07 15:23	0°♄			6939 Sep 30 11:55	0°♄	
desc. node	6938 Nov 12 22:19	9°♄06'35		morning set	6939 Oct 03 17:41	6°♄39'44	
	6938 Nov 26 15:52	0°♄					
evening max el	6938 Dec 10 10:13	16°♄29'46	26°07'53	superior conj	6939 Oct 10 20:53	21°♄48'44	1°42'15
retrograde	6938 Dec 23 01:54	23°♄40'24		minimum elong	6939 Oct 10 20:46	21°♄48'06	1°42'17
evening set	6938 Dec 29 07:02	21°♄08'09		max. Earth dist.	6939 Oct 14 12:05	29°♄22'11	1.34413 AU
min. Earth dist.	6939 Jan 02 12:23	16°♄40'18	0.66779 AU		6939 Oct 14 19:29	0°♄	
inferior conj	6939 Jan 04 01:32	14°♄45'27	-0°09'23	evening rise	6939 Oct 18 23:40	8°♄17'52	
minimum elong	6939 Jan 04 01:47	14°♄44'41	0°09'12	desc. node	6939 Oct 30 19:23	29°♄21'37	
transit middle	6939 Jan 04 01:47	14°♄44'41	0°09'12		6939 Oct 31 04:49	0°♄	
transit begin	6939 Jan 03 23:26	14°♄51'58			6939 Nov 22 20:00	0°♄	
transit end	6939 Jan 04 04:07	14°♄37'25		evening max el	6939 Nov 22 23:09	0°♄07'35	26°58'55
asc. node	6939 Jan 04 12:39	14°♄11'10		retrograde	6939 Dec 06 05:08	7°♄26'38	
morning rise	6939 Jan 09 21:09	8°♄57'21		evening set	6939 Dec 12 21:40	4°♄48'58	
direct	6939 Jan 13 00:13	8°♄01'41		min. Earth dist.	6939 Dec 16 20:54	0°♄55'44	0.65541 AU
morning max el	6939 Jan 19 17:32	11°♄41'46	18°45'01		6939 Dec 17 16:33	30°♄	
	6939 Feb 02 02:45	0°♄		inferior conj	6939 Dec 18 21:40	28°♄36'16	-1°10'53
desc. node	6939 Feb 08 21:38	10°♄35'54		minimum elong	6939 Dec 18 23:44	28°♄30'23	1°09'58
morning set	6939 Feb 10 05:16	12°♄39'59		asc. node	6939 Dec 22 09:41	24°♄55'07	
	6939 Feb 21 06:45	0°♄		morning rise	6939 Dec 25 02:54	22°♄59'56	
max. Earth dist.	6939 Feb 25 13:11	6°♄41'03	1.45327 AU	direct	6939 Dec 27 20:48	22°♄18'58	
				morning max el	6940 Jan 03 08:06	25°♄46'21	18°09'30
superior conj	6939 Feb 26 14:13	8°♄19'16	-1°45'49		6940 Jan 06 23:00	0°♄	
minimum elong	6939 Feb 26 04:59	7°♄43'03	1°45'00	morning set	6940 Jan 21 22:17	23°♄16'53	
	6939 Mar 12 06:27	0°♄			6940 Jan 26 01:32	0°♄	
evening rise	6939 Mar 13 23:18	2°♄44'00		desc. node	6940 Jan 26 18:39	1°♄09'08	
greatest brilliancy	6939 Mar 21 00:20	14°♄03'28	-0.9m				
	6939 Mar 31 15:27	0°♄		superior conj	6940 Feb 05 19:30	17°♄09'22	-1°07'11
asc. node	6939 Apr 02 11:47	2°♄16'39		minimum elong	6940 Feb 05 11:37	16°♄38'16	1°06'10
evening max el	6939 Apr 04 01:03	3°♄58'00	18°42'43	max. Earth dist.	6940 Feb 08 08:25	21°♄08'47	1.45361 AU
retrograde	6939 Apr 10 16:08	7°♄37'42			6940 Feb 14 00:22	0°♄	
evening set	6939 Apr 13 21:59	6°♄37'38		evening rise	6940 Feb 22 00:19	12°♄26'32	
inferior conj	6939 Apr 19 13:34	0°♄59'24	3°27'22		6940 Mar 04 09:21	0°♄	
minimum elong	6939 Apr 19 13:38	0°♄59'13	3°27'20	greatest brilliancy	6940 Mar 05 10:12	1°♄33'58	-0.7m
	6939 Apr 20 08:51	30°♄		evening max el	6940 Mar 17 08:46	17°♄32'57	19°27'13
min. Earth dist.	6939 Apr 21 11:06	28°♄39'56	0.65359 AU	asc. node	6940 Mar 19 08:51	19°♄23'25	
morning rise	6939 Apr 25 04:40	24°♄43'34		retrograde	6940 Mar 24 13:08	21°♄39'00	
direct	6939 May 01 18:30	21°♄55'25		evening set	6940 Mar 28 02:39	20°♄24'45	
desc. node	6939 May 07 21:05	23°♄52'13		inferior conj	6940 Apr 02 13:14	14°♄31'19	3°21'31
morning max el	6939 May 15 01:34	29°♄46'25	26°58'35	minimum elong	6940 Apr 02 12:06	14°♄35'02	3°21'24

min. Earth dist.	6940 Apr 03 19:41	12° Υ 51'36	0.66738 AU	morning rise	6941 Mar 22 22:00	21° X 59'45	
morning rise	6940 Apr 07 21:13	8° Υ 14'41		direct	6941 Mar 28 13:07	19° X 29'05	
direct	6940 Apr 14 01:09	5° Υ 30'21		morning max el	6941 Apr 08 20:10	26° X 14'32	24°24'37
desc. node	6940 Apr 23 18:05	10° Υ 21'22		desc. node	6941 Apr 10 15:04	28° X 07'25	
morning max el	6940 Apr 26 11:24	12° Υ 56'09	25°49'11		6941 Apr 12 07:11	0° Υ	
	6940 May 10 05:44	0° X			6941 May 03 19:26	0° X	
	6940 May 29 02:58	0° Π		morning set	6941 May 14 16:13	18° X 00'57	
morning set	6940 Jun 01 14:58	6° Π 18'04		max. Earth dist.	6941 May 18 07:33	24° X 28'50	1.37695 AU
max. Earth dist.	6940 Jun 05 09:57	13° Π 24'21	1.35645 AU		6941 May 21 07:45	0° Π	
superior conj	6940 Jun 11 00:09	24° Π 24'13	-0°42'45	superior conj	6941 May 25 06:32	7° Π 28'55	-1°13'31
minimum elong	6940 Jun 11 02:37	24° Π 36'40	0°42'20	minimum elong	6941 May 25 10:51	7° Π 49'44	1°12'53
	6940 Jun 13 18:10	0° X		asc. node	6941 Jun 02 05:03	23° Π 07'16	
asc. node	6940 Jun 15 08:01	3° X 14'32		evening rise	6941 Jun 02 23:26	24° Π 38'28	
evening rise	6940 Jun 18 22:20	10° X 38'52			6941 Jun 05 16:51	0° X	
	6940 Jun 29 05:39	0° Ω		evening max el	6941 Jun 19 14:51	21° X 42'50	19°10'38
evening max el	6940 Jul 06 21:32	10° Ω 01'25	20°12'08	retrograde	6941 Jun 28 14:39	26° X 08'16	
retrograde	6940 Jul 17 14:00	15° Ω 16'38		evening set	6941 Jun 30 13:08	25° X 56'49	
evening set	6940 Jul 19 12:11	15° Ω 07'09		desc. node	6941 Jul 07 14:21	22° X 40'56	
desc. node	6940 Jul 20 17:21	14° Ω 51'53		inferior conj	6941 Jul 08 23:35	21° X 45'45	-0°25'05
inferior conj	6940 Jul 28 14:55	11° Ω 08'56	-2°22'09	minimum elong	6941 Jul 08 22:30	21° X 47'34	0°24'44
minimum elong	6940 Jul 28 08:22	11° Ω 18'38	2°19'49	min. Earth dist.	6941 Jul 11 19:40	19° X 51'41	0.56163 AU
min. Earth dist.	6940 Jul 30 05:41	10° Ω 11'39	0.55003 AU	morning rise	6941 Jul 17 04:51	16° X 58'37	
morning rise	6940 Aug 06 03:14	6° Ω 56'19		direct	6941 Jul 22 06:50	15° X 58'53	
direct	6940 Aug 10 08:28	6° Ω 17'43		morning max el	6941 Aug 05 11:05	23° X 12'56	25°34'11
morning max el	6940 Aug 23 21:58	12° Ω 55'28	23°53'12		6941 Aug 11 13:28	0° Ω	
	6940 Sep 05 23:30	0° X		asc. node	6941 Aug 29 04:22	29° Ω 02'49	
asc. node	6940 Sep 11 07:22	9° X 31'26			6941 Aug 29 15:40	0° X	
morning set	6940 Sep 17 05:16	21° X 30'48		morning set	6941 Sep 01 16:44	6° X 20'08	
	6940 Sep 21 03:47	0° Ω					
superior conj	6940 Sep 24 03:53	6° Ω 31'55	1°38'30	superior conj	6941 Sep 08 14:15	21° X 23'15	1°29'01
minimum elong	6940 Sep 24 02:39	6° Ω 25'14	1°38'27	minimum elong	6941 Sep 08 12:17	21° X 12'25	1°28'49
max. Earth dist.	6940 Sep 26 11:00	11° Ω 28'31	1.33109 AU	max. Earth dist.	6941 Sep 09 17:16	23° X 51'41	1.32243 AU
evening rise	6940 Oct 01 15:20	22° Ω 14'22			6941 Sep 12 13:01	0° Ω	
	6940 Oct 05 14:33	0° X		evening rise	6941 Sep 15 15:41	6° Ω 34'39	
desc. node	6940 Oct 16 16:26	19° X 14'33			6941 Sep 28 03:04	0° X	
	6940 Oct 23 23:43	0° X		desc. node	6941 Oct 03 13:28	8° X 36'21	
evening max el	6940 Nov 04 11:18	13° X 27'38	27°25'49	evening max el	6941 Oct 17 20:27	26° X 16'57	27°22'30
retrograde	6940 Nov 18 02:04	20° X 46'07			6941 Oct 22 08:12	0° X	
evening set	6940 Nov 25 02:43	18° X 10'48		retrograde	6941 Oct 31 15:43	3° X 30'26	
min. Earth dist.	6940 Nov 28 20:56	14° X 50'18	0.63974 AU	evening set	6941 Nov 07 18:57	1° X 07'16	
inferior conj	6940 Dec 01 09:16	12° X 13'53	-2°16'43		6941 Nov 09 08:19	30° X 11	
minimum elong	6940 Dec 01 13:26	12° X 03'04	2°15'01	min. Earth dist.	6941 Nov 11 10:44	28° X 14'17	0.62123 AU
morning rise	6940 Dec 08 01:43	6° X 52'15		inferior conj	6941 Nov 14 09:23	25° X 31'23	-3°23'37
asc. node	6940 Dec 08 06:43	6° X 47'25		minimum elong	6941 Nov 14 15:29	25° X 17'17	3°21'31
direct	6940 Dec 10 12:49	6° X 22'01		morning rise	6941 Nov 21 13:59	20° X 27'56	
morning max el	6940 Dec 17 01:06	9° X 46'03	17°51'03	direct	6941 Nov 23 21:02	20° X 04'47	
	6940 Dec 30 17:18	0° X		asc. node	6941 Nov 25 03:44	20° X 12'12	
morning set	6941 Jan 02 19:12	5° X 15'17		morning max el	6941 Nov 30 17:29	23° X 33'46	17°50'30
desc. node	6941 Jan 12 15:38	21° X 50'03			6941 Dec 05 20:21	0° X	
superior conj	6941 Jan 15 16:27	26° X 48'01	-0°21'34	morning set	6941 Dec 16 13:44	18° X 15'50	
minimum elong	6941 Jan 15 14:01	26° X 38'07	0°21'09		6941 Dec 23 04:08	0° X	
	6941 Jan 17 15:55	0° \approx		superior conj	6941 Dec 27 14:49	7° X 41'01	0°20'59
max. Earth dist.	6941 Jan 21 03:09	5° \approx 32'41	1.44669 AU	minimum elong	6941 Dec 27 16:44	7° X 49'09	0°20'46
evening rise	6941 Jan 31 12:11	21° \approx 43'35		desc. node	6941 Dec 30 12:38	12° X 35'29	
	6941 Feb 05 22:24	0° X		max. Earth dist.	6942 Jan 03 18:58	19° X 37'00	1.43330 AU
	6941 Feb 27 09:04	0° Υ			6942 Jan 10 07:16	0° \approx	
evening max el	6941 Feb 28 11:20	1° Υ 09'34	20°26'43	evening rise	6942 Jan 11 02:03	1° \approx 13'20	
asc. node	6941 Mar 06 05:55	5° Υ 24'36			6942 Jan 30 12:06	0° X	
retrograde	6941 Mar 08 11:29	5° Υ 50'33		evening max el	6942 Feb 11 08:25	14° X 47'17	21°37'55
evening set	6941 Mar 12 09:50	4° Υ 21'28		retrograde	6942 Feb 20 09:13	20° X 08'30	
	6941 Mar 16 10:46	30° X		asc. node	6942 Feb 21 02:57	20° X 05'38	
inferior conj	6941 Mar 17 17:58	28° X 14'49	3°03'45	evening set	6942 Feb 24 17:47	18° X 24'05	
minimum elong	6941 Mar 17 16:02	28° X 21'26	3°03'23	inferior conj	6942 Mar 02 01:31	12° X 06'48	2°36'00
min. Earth dist.	6941 Mar 18 10:24	27° X 18'43	0.67679 AU	minimum elong	6942 Mar 01 23:14	12° X 14'47	2°35'25
				min. Earth dist.	6942 Mar 02 05:10	11° X 54'07	0.68185 AU

morning rise	6942 Mar 07 04:30	5° H 54'47		min. Earth dist.	6943 Feb 14 01:49	26° \approx 32'35	0.68276 AU
direct	6942 Mar 12 05:23	3° H 43'59		morning rise	6943 Feb 19 14:31	19° \approx 56'45	
morning max el	6942 Mar 22 05:52	9° H 39'46	22°55'02	direct	6943 Feb 24 01:07	18° \approx 08'29	
desc. node	6942 Mar 28 12:03	16° H 48'54		morning max el	6943 Mar 04 19:58	23° \approx 14'31	21°29'19
	6942 Apr 07 05:44	0° Y			6943 Mar 10 17:07	0° H	
morning set	6942 Apr 25 16:43	28° Y 31'58		desc. node	6943 Mar 15 09:02	6° H 10'25	
	6942 Apr 26 13:53	0° B			6943 Mar 31 14:12	0° Y	
max. Earth dist.	6942 Apr 30 03:46	6° B 03'38	1.39920 AU	morning set	6943 Apr 05 13:13	7° Y 45'11	
				max. Earth dist.	6943 Apr 12 04:41	18° Y 29'33	1.42038 AU
					6943 Apr 19 00:25	0° B	
superior conj	6942 May 07 21:32	19° B 47'30	-1°41'31				
minimum elong	6942 May 08 02:59	20° B 12'27	1°40'58				
	6942 May 13 08:56	0° II		superior conj	6943 Apr 19 16:21	1° B 08'53	-2°02'30
evening rise	6942 May 17 15:35	8° II 08'49		minimum elong	6943 Apr 19 20:50	1° B 28'20	2°02'17
asc. node	6942 May 20 02:05	12° II 46'34		evening rise	6943 Apr 30 18:57	21° B 00'28	
	6942 May 30 07:10	0° E			6943 May 05 18:16	0° II	
evening max el	6942 Jun 02 18:16	4° E 03'30	18°29'44	asc. node	6943 May 06 23:09	2° II 07'16	
retrograde	6942 Jun 10 10:11	7° E 51'59		evening max el	6943 May 17 04:12	16° II 54'57	18°09'01
evening set	6942 Jun 12 14:52	7° E 34'11		retrograde	6943 May 23 23:51	20° II 22'17	
inferior conj	6942 Jun 20 05:18	3° E 03'34	1°13'24	evening set	6943 May 26 11:48	19° II 54'55	
minimum elong	6942 Jun 20 07:45	2° E 58'43	1°12'29	inferior conj	6943 Jun 02 08:09	15° II 03'59	2°22'44
min. Earth dist.	6942 Jun 23 14:16	0° E 24'51	0.58004 AU	minimum elong	6943 Jun 02 11:22	14° II 56'35	2°21'51
desc. node	6942 Jun 24 11:23	29° II 46'15		min. Earth dist.	6943 Jun 05 15:48	12° II 02'06	0.60187 AU
	6942 Jun 24 03:44	30° R II		morning rise	6943 Jun 09 08:16	9° II 14'18	
morning rise	6942 Jun 27 21:18	27° II 40'46		desc. node	6943 Jun 11 08:25	8° II 10'32	
direct	6942 Jul 03 19:16	26° II 11'05		direct	6943 Jun 15 20:43	7° II 11'44	
	6942 Jul 13 16:46	0° E		morning max el	6943 Jun 30 04:59	15° II 07'15	27°43'16
morning max el	6942 Jul 18 04:39	3° E 50'29	26°55'05		6943 Jul 12 06:26	0° E	
	6942 Aug 06 05:10	0° O			6943 Jul 29 15:42	0° O	
asc. node	6942 Aug 16 01:22	18° O 50'35		morning set	6943 Aug 01 08:30	5° O 30'29	
morning set	6942 Aug 17 02:23	21° O 01'42		asc. node	6943 Aug 02 22:24	8° O 49'31	
	6942 Aug 21 06:04	0° M		max. Earth dist.	6943 Aug 07 13:51	18° O 53'11	1.31829 AU
superior conj	6942 Aug 24 02:00	6° M 15'25	1°14'26	superior conj	6943 Aug 08 13:24	21° O 03'03	0°55'12
minimum elong	6942 Aug 23 23:45	6° M 02'52	1°14'03	minimum elong	6943 Aug 08 11:19	20° O 51'31	0°54'45
max. Earth dist.	6942 Aug 24 03:26	6° M 23'22	1.31815 AU		6943 Aug 12 14:46	0° M	
evening rise	6942 Aug 30 21:55	21° M 09'29		evening rise	6943 Aug 15 07:52	5° M 52'29	
	6942 Sep 04 05:24	0° A			6943 Aug 27 22:14	0° A	
desc. node	6942 Sep 20 10:31	27° A 13'28		desc. node	6943 Sep 07 07:34	14° A 48'06	
	6942 Sep 22 12:42	0° M		evening max el	6943 Sep 11 18:59	19° A 35'22	25°36'49
evening max el	6942 Sep 29 23:37	8° M 21'26	26°45'34	retrograde	6943 Sep 25 17:27	26° A 39'22	
retrograde	6942 Oct 13 21:18	15° M 29'58		evening set	6943 Oct 01 19:14	25° A 13'08	
evening set	6942 Oct 20 18:04	13° M 30'09		min. Earth dist.	6943 Oct 06 07:05	22° A 36'03	0.58017 AU
min. Earth dist.	6942 Oct 24 13:33	10° M 53'47	0.60076 AU	inferior conj	6943 Oct 09 09:20	20° A 25'55	-5°12'23
inferior conj	6942 Oct 27 18:32	8° M 18'29	-4°25'42	minimum elong	6943 Oct 09 14:09	20° A 17'26	5°11'45
minimum elong	6942 Oct 28 01:24	8° M 04'36	4°23'58	morning rise	6943 Oct 17 11:24	16° A 07'11	
morning rise	6942 Nov 04 10:56	3° M 36'41		direct	6943 Oct 19 21:03	15° A 49'15	
direct	6942 Nov 06 17:18	3° M 17'29		morning max el	6943 Oct 28 10:51	19° A 55'30	18°48'29
asc. node	6942 Nov 12 00:45	5° M 08'50		asc. node	6943 Oct 29 21:46	21° A 25'40	
morning max el	6942 Nov 14 05:55	7° M 00'09	18°09'08		6943 Nov 05 01:30	0° M	
	6942 Nov 28 22:17	0° X		morning set	6943 Nov 13 20:24	16° M 12'15	
morning set	6942 Nov 29 23:43	1° X 59'20			6943 Nov 20 22:10	0° X	
superior conj	6942 Dec 09 14:04	19° X 45'35	0°55'07	superior conj	6943 Nov 22 09:24	2° X 47'56	1°19'29
minimum elong	6942 Dec 09 17:38	20° X 01'36	0°54'42	minimum elong	6943 Nov 22 12:41	3° X 03'29	1°19'10
	6942 Dec 15 10:09	0° Z		max. Earth dist.	6943 Nov 29 11:55	15° X 49'26	1.39386 AU
max. Earth dist.	6942 Dec 17 05:46	3° Z 05'09	1.41493 AU	evening rise	6943 Dec 03 10:44	22° X 40'26	
desc. node	6942 Dec 17 09:39	3° Z 21'32		desc. node	6943 Dec 04 06:41	24° X 04'47	
evening rise	6942 Dec 22 07:24	11° Z 27'06			6943 Dec 07 20:31	0° Z	
	6943 Jan 03 07:12	0° \approx			6943 Dec 28 05:29	0° \approx	
evening max el	6943 Jan 25 00:51	28° \approx 26'53	22°56'22	evening max el	6944 Jan 07 14:32	12° \approx 09'57	24°16'11
	6943 Jan 26 15:39	0° H		retrograde	6944 Jan 18 21:01	18° \approx 46'44	
retrograde	6943 Feb 04 04:50	4° H 28'43		evening set	6944 Jan 24 05:37	16° \approx 32'44	
asc. node	6943 Feb 07 23:59	3° H 15'40		asc. node	6944 Jan 25 21:03	14° \approx 56'49	
evening set	6943 Feb 09 00:54	2° H 29'04		min. Earth dist.	6944 Jan 28 22:05	11° \approx 10'06	0.67984 AU
	6943 Feb 11 10:45	30° R \approx		inferior conj	6944 Jan 29 17:26	10° \approx 04'56	1°15'07
inferior conj	6943 Feb 14 09:57	26° \approx 04'26	1°59'32	minimum elong	6944 Jan 29 15:47	10° \approx 10'29	1°14'33
minimum elong	6943 Feb 14 07:45	26° \approx 12'05	1°58'50	morning rise	6944 Feb 04 02:02	4° \approx 03'04	

direct	6944 Feb 07 23:13	2° \approx 37'04		inferior conj	6945 Jan 12 22:07	24° \approx 05'32	0°23'28
morning max el	6944 Feb 15 17:14	7° \approx 00'45	20°13'56	minimum elong	6945 Jan 12 21:32	24° \approx 07'26	0°23'17
desc. node	6944 Mar 01 06:02	26° \approx 00'47		morning rise	6945 Jan 18 13:04	18° \approx 11'30	
	6944 Mar 03 22:47	0° \approx		direct	6945 Jan 21 22:19	17° \approx 05'35	
morning set	6944 Mar 14 12:39	16° \approx 03'51		morning max el	6945 Jan 28 22:24	20° \approx 58'07	19°12'51
	6944 Mar 23 09:50	0° \approx			6945 Feb 05 05:59	0° \approx	
max. Earth dist.	6944 Mar 24 12:31	1° \approx 46'38	1.43792 AU	greatest brilliancy	6945 Feb 11 08:11	8° \approx 54'58	-0.7m
				desc. node	6945 Feb 16 03:03	16° \approx 12'34	
superior conj	6944 Mar 30 10:48	11° \approx 24'15	-2°10'49	morning set	6945 Feb 21 13:20	24° \approx 35'13	
minimum elong	6944 Mar 30 10:45	11° \approx 24'03	2°10'49		6945 Feb 25 01:05	0° \approx	
	6944 Apr 10 10:50	0° \approx		max. Earth dist.	6945 Mar 07 03:04	15° \approx 45'38	1.44973 AU
evening rise	6944 Apr 12 04:58	3° \approx 02'26					
asc. node	6944 Apr 22 20:12	21° \approx 02'14		superior conj	6945 Mar 10 05:15	20° \approx 38'49	-2°00'47
evening max el	6944 Apr 29 17:05	0° \approx 07'10	18°07'39	minimum elong	6945 Mar 09 22:29	20° \approx 11'58	2°00'23
	6944 Apr 29 14:13	0° \approx			6945 Mar 16 01:39	0° \approx	
retrograde	6944 May 06 03:25	3° \approx 28'26		evening rise	6945 Mar 24 17:23	14° \approx 07'51	
evening set	6944 May 08 22:25	2° \approx 49'17			6945 Apr 03 09:37	0° \approx	
	6944 May 12 20:21	30° \approx 8		asc. node	6945 Apr 09 17:15	9° \approx 23'25	
inferior conj	6944 May 15 04:32	27° \approx 39'00	3°04'35	evening max el	6945 Apr 13 05:51	13° \approx 32'29	18°24'48
minimum elong	6944 May 15 06:51	27° \approx 32'54	3°04'09	retrograde	6945 Apr 19 16:35	17° \approx 01'32	
min. Earth dist.	6944 May 18 01:44	24° \approx 38'29	0.62396 AU	evening set	6945 Apr 22 18:28	16° \approx 09'13	
morning rise	6944 May 21 13:37	21° \approx 33'21		inferior conj	6945 Apr 28 14:20	10° \approx 40'47	3°24'10
direct	6944 May 28 08:38	19° \approx 03'38		minimum elong	6945 Apr 28 15:12	10° \approx 38'13	3°24'04
desc. node	6944 May 28 05:26	19° \approx 03'41		min. Earth dist.	6945 Apr 30 20:50	8° \approx 02'16	0.64386 AU
morning max el	6944 Jun 11 10:56	27° \approx 05'47	27°53'35	morning rise	6945 May 04 11:04	4° \approx 27'21	
	6944 Jun 14 04:41	0° \approx		direct	6945 May 11 04:45	1° \approx 42'10	
	6944 Jul 04 22:35	0° \approx		desc. node	6945 May 15 02:28	2° \approx 30'00	
morning set	6944 Jul 15 08:59	19° \approx 39'44		morning max el	6945 May 24 20:13	9° \approx 40'06	27°27'36
asc. node	6944 Jul 19 19:26	28° \approx 54'23			6945 Jun 09 17:48	0° \approx	
	6944 Jul 20 07:43	0° \approx			6945 Jun 27 07:44	0° \approx	
max. Earth dist.	6944 Jul 20 20:29	1° \approx 08'33	1.32291 AU	morning set	6945 Jun 29 01:17	3° \approx 21'46	
				max. Earth dist.	6945 Jul 03 19:39	12° \approx 59'32	1.33222 AU
superior conj	6944 Jul 22 22:36	5° \approx 04'05	0°31'47	asc. node	6945 Jul 06 16:28	19° \approx 00'54	
minimum elong	6944 Jul 22 21:11	5° \approx 03'23	0°31'26				
evening rise	6944 Jul 29 19:29	20° \approx 03'70		superior conj	6945 Jul 07 03:38	20° \approx 00'17	0°04'47
	6944 Aug 03 08:12	0° \approx		minimum elong	6945 Jul 07 03:24	19° \approx 59'00	0°04'40
	6944 Aug 23 04:53	0° \approx		behind sun begin	6945 Jul 06 22:09	19° \approx 31'04	
evening max el	6944 Aug 23 07:59	0° \approx 07'30	24°05'29	behind sun end	6945 Jul 07 08:39	20° \approx 26'57	
desc. node	6944 Aug 24 04:37	0° \approx 55'50			6945 Jul 11 19:25	0° \approx	
retrograde	6944 Sep 06 01:50	7° \approx 01'26		evening rise	6945 Jul 14 06:52	5° \approx 01'10	
evening set	6944 Sep 10 19:47	6° \approx 11'43			6945 Jul 27 13:31	0° \approx	
min. Earth dist.	6944 Sep 16 18:44	3° \approx 15'14	0.56234 AU	evening max el	6945 Aug 04 20:58	10° \approx 24'09	22°26'58
inferior conj	6944 Sep 19 03:54	1° \approx 47'10	-5°27'26	desc. node	6945 Aug 11 01:40	15° \approx 05'04	
minimum elong	6944 Sep 19 02:52	1° \approx 48'47	5°27'25	retrograde	6945 Aug 17 21:29	16° \approx 53'02	
	6944 Sep 22 04:05	30° \approx 8		evening set	6945 Aug 21 03:14	16° \approx 29'57	
morning rise	6944 Sep 27 12:13	27° \approx 48'31		min. Earth dist.	6945 Aug 29 03:48	12° \approx 59'20	0.55055 AU
direct	6944 Sep 30 05:39	27° \approx 29'12		inferior conj	6945 Aug 30 04:42	12° \approx 24'09	-4°53'36
	6944 Oct 07 13:24	0° \approx		minimum elong	6945 Aug 29 21:00	12° \approx 35'02	4°52'13
morning max el	6944 Oct 10 04:55	2° \approx 09'44	19°49'54	morning rise	6945 Sep 07 16:35	8° \approx 35'24	
asc. node	6944 Oct 15 18:48	8° \approx 47'28		direct	6945 Sep 10 21:26	8° \approx 12'08	
	6944 Oct 27 15:25	0° \approx		morning max el	6945 Sep 22 10:15	13° \approx 35'57	21°12'55
morning set	6944 Oct 28 00:20	0° \approx 45'02		asc. node	6945 Oct 02 15:49	26° \approx 59'21	
					6945 Oct 04 09:57	0° \approx	
superior conj	6944 Nov 04 19:40	16° \approx 33'16	1°34'34	morning set	6945 Oct 12 08:48	15° \approx 29'26	
minimum elong	6944 Nov 04 21:45	16° \approx 43'37	1°34'29		6945 Oct 19 07:08	0° \approx	
max. Earth dist.	6944 Nov 10 17:25	27° \approx 58'24	1.37267 AU				
	6944 Nov 11 19:33	0° \approx		superior conj	6945 Oct 19 16:28	0° \approx 48'24	1°41'31
evening rise	6944 Nov 14 11:47	4° \approx 52'22		minimum elong	6945 Oct 19 17:07	0° \approx 51'47	1°41'33
desc. node	6944 Nov 20 03:44	14° \approx 41'23		max. Earth dist.	6945 Oct 24 03:39	9° \approx 52'22	1.35359 AU
	6944 Nov 29 19:45	0° \approx		evening rise	6945 Oct 28 06:54	17° \approx 52'41	
evening max el	6944 Dec 20 03:32	25° \approx 56'36	25°30'31		6945 Nov 04 00:14	0° \approx	
	6944 Dec 24 21:15	0° \approx		desc. node	6945 Nov 07 00:46	5° \approx 05'53	
retrograde	6945 Jan 01 08:44	2° \approx 57'54			6945 Nov 24 01:59	0° \approx	
evening set	6945 Jan 07 06:22	0° \approx 31'36		evening max el	6945 Dec 02 16:42	9° \approx 40'30	26°32'06
	6945 Jan 07 20:40	30° \approx 8		retrograde	6945 Dec 15 15:01	16° \approx 55'06	
min. Earth dist.	6945 Jan 11 15:38	25° \approx 43'23	0.67324 AU	evening set	6945 Dec 22 01:15	14° \approx 20'04	
asc. node	6945 Jan 11 18:04	25° \approx 35'38		min. Earth dist.	6945 Dec 26 04:03	10° \approx 06'54	0.66301 AU

inferior conj	6945 Dec 27 22:00	8° S 01'07	-0°34'45	evening set	6946 Dec 05 12:08	27° S 53'12	
minimum elong	6945 Dec 27 22:58	7° S 58'14	0°34'17	min. Earth dist.	6946 Dec 09 09:03	24° S 14'29	0.64927 AU
asc. node	6945 Dec 29 15:06	6° S 00'49		inferior conj	6946 Dec 11 14:49	21° S 46'48	-1°38'24
morning rise	6946 Jan 02 21:28	2° S 17'28		minimum elong	6946 Dec 11 17:45	21° S 38'44	1°37'07
direct	6946 Jan 05 20:29	1° S 28'22		asc. node	6946 Dec 16 12:09	17° S 08'54	
morning max el	6946 Jan 12 10:11	5° S 01'33	18°27'48	morning rise	6946 Dec 18 00:41	16° S 16'27	
	6946 Jan 29 19:43	0° \approx		direct	6946 Dec 20 15:29	15° S 40'26	
morning set	6946 Feb 01 13:12	4° \approx 20'35		morning max el	6946 Dec 27 02:10	19° S 04'51	17°59'29
desc. node	6946 Feb 03 00:03	6° \approx 39'10			6947 Jan 04 06:25	0° S	
				morning set	6947 Jan 13 18:39	15° S 33'59	
superior conj	6946 Feb 17 09:48	29° \approx 22'03	-1°30'59	desc. node	6947 Jan 20 21:01	27° S 15'57	
minimum elong	6946 Feb 17 00:16	28° \approx 44'43	1°29'59		6947 Jan 22 13:24	0° \approx	
	6946 Feb 17 19:29	0° H					
max. Earth dist.	6946 Feb 17 22:01	0° H 09'57	1.45443 AU	superior conj	6947 Jan 27 19:43	8° \approx 27'07	-0°47'59
evening rise	6946 Mar 05 06:25	24° H 17'08		minimum elong	6947 Jan 27 14:00	8° \approx 04'23	0°47'09
	6946 Mar 08 21:08	0° Y		max. Earth dist.	6947 Jan 31 17:47	14° \approx 39'24	1.45159 AU
greatest brilliancy	6946 Mar 14 20:41	9° Y 24'40	-0.8m		6947 Feb 10 14:04	0° H	
evening max el	6946 Mar 27 15:58	27° Y 04'57	18°59'40	evening rise	6947 Feb 13 00:18	3° H 44'42	
asc. node	6946 Mar 27 14:17	27° Y 00'41		greatest brilliancy	6947 Feb 27 02:22	25° H 08'38	-0.6m
	6946 Mar 31 07:35	0° B			6947 Mar 02 10:45	0° Y	
retrograde	6946 Apr 03 11:37	0° B 54'15		evening max el	6947 Mar 10 21:30	10° Y 40'09	19°50'48
evening set	6946 Apr 06 20:44	29° Y 48'02		asc. node	6947 Mar 14 11:19	13° Y 41'06	
	6946 Apr 06 13:00	30° R Y		retrograde	6947 Mar 18 09:33	15° Y 00'21	
inferior conj	6946 Apr 12 09:49	24° Y 03'01	3°26'30	evening set	6947 Mar 22 02:42	13° Y 39'42	
minimum elong	6946 Apr 12 09:20	24° Y 04'34	3°26'26	inferior conj	6947 Mar 27 11:56	7° Y 40'04	3°15'18
min. Earth dist.	6946 Apr 14 00:46	21° Y 59'58	0.66003 AU	minimum elong	6947 Mar 27 10:25	7° Y 45'10	3°15'05
morning rise	6946 Apr 17 21:31	17° Y 46'43		min. Earth dist.	6947 Mar 28 12:09	6° Y 18'59	0.67191 AU
direct	6946 Apr 24 07:39	14° Y 59'02		morning rise	6947 Apr 01 17:52	1° Y 23'51	
desc. node	6946 May 01 23:28	18° Y 01'42			6947 Apr 03 13:31	30° R H	
morning max el	6946 May 07 06:29	22° Y 40'22	26°31'38	direct	6947 Apr 07 16:28	28° H 44'39	
	6946 May 13 17:22	0° B			6947 Apr 12 05:27	0° Y	
	6946 Jun 03 00:45	0° II		desc. node	6947 Apr 18 20:28	5° Y 06'26	
morning set	6946 Jun 12 06:05	16° II 27'38		morning max el	6947 Apr 19 15:59	5° Y 54'56	25°14'31
max. Earth dist.	6946 Jun 16 08:31	24° II 22'48	1.34630 AU		6947 May 08 06:39	0° B	
	6946 Jun 19 03:51	0° E		morning set	6947 May 25 18:54	28° B 44'42	
					6947 May 26 11:36	0° II	
superior conj	6946 Jun 21 02:13	3° E 57'21	-0°24'56	max. Earth dist.	6947 May 29 10:42	5° II 26'55	1.36479 AU
minimum elong	6946 Jun 21 03:37	4° E 04'31	0°24'43				
asc. node	6946 Jun 23 13:30	9° E 05'20		superior conj	6947 Jun 04 15:26	17° II 22'56	-0°55'56
evening rise	6946 Jun 28 16:05	19° E 47'02		minimum elong	6947 Jun 04 18:43	17° II 39'11	0°55'24
	6946 Jul 03 17:49	0° Ω		asc. node	6947 Jun 10 10:31	29° II 03'06	
evening max el	6946 Jul 17 18:13	20° Ω 59'29	20°56'34		6947 Jun 10 21:42	0° E	
desc. node	6946 Jul 28 22:43	26° Ω 44'36		evening rise	6947 Jun 12 20:53	3° E 59'22	
retrograde	6946 Jul 29 10:01	26° Ω 45'09			6947 Jun 28 02:31	0° Ω	
evening set	6946 Jul 31 14:34	26° Ω 33'45		evening max el	6947 Jun 30 04:09	2° Ω 14'19	19°43'26
inferior conj	6946 Aug 09 21:27	22° Ω 36'31	-3°27'30	retrograde	6947 Jul 10 03:02	7° Ω 07'59	
minimum elong	6946 Aug 09 12:36	22° Ω 49'02	3°24'45	evening set	6947 Jul 11 23:54	6° Ω 58'22	
min. Earth dist.	6946 Aug 10 13:23	22° Ω 13'57	0.54740 AU	desc. node	6947 Jul 15 19:45	5° Ω 45'02	
morning rise	6946 Aug 18 10:52	18° Ω 38'56		inferior conj	6947 Jul 20 20:39	2° Ω 55'42	-1°31'37
direct	6946 Aug 22 05:50	18° Ω 08'09		minimum elong	6947 Jul 20 16:27	3° Ω 02'15	1°30'06
morning max el	6946 Sep 04 04:43	24° Ω 19'15	22°52'37	min. Earth dist.	6947 Jul 23 01:35	1° Ω 33'34	0.55387 AU
	6946 Sep 09 08:50	0° np			6947 Jul 25 18:57	30° R E	
asc. node	6946 Sep 19 12:51	15° np 49'32		morning rise	6947 Jul 29 06:49	28° E 29'13	
morning set	6946 Sep 26 19:47	0° $\underline{\text{a}}$ 19'58		direct	6947 Aug 02 20:14	27° E 43'10	
	6946 Sep 26 16:00	0° $\underline{\text{a}}$			6947 Aug 10 16:18	0° Ω	
				morning max el	6947 Aug 16 17:58	4° Ω 37'54	24°37'43
superior conj	6946 Oct 03 20:32	15° $\underline{\text{a}}$ 23'56	1°41'24		6947 Sep 03 17:17	0° np	
minimum elong	6946 Oct 03 19:54	15° $\underline{\text{a}}$ 20'34	1°41'25	asc. node	6947 Sep 06 09:51	5° np 07'28	
max. Earth dist.	6946 Oct 06 21:54	21° $\underline{\text{a}}$ 51'33	1.33809 AU	morning set	6947 Sep 11 07:31	15° np 10'27	
	6946 Oct 10 21:40	0° ml					
evening rise	6946 Oct 11 16:09	1° ml 31'29		superior conj	6947 Sep 18 05:13	0° $\underline{\text{a}}$ 10'59	1°35'09
desc. node	6946 Oct 24 21:48	25° ml 12'35		minimum elong	6947 Sep 18 03:38	0° $\underline{\text{a}}$ 02'16	1°35'01
	6946 Oct 27 22:58	0° S			6947 Sep 18 03:13	0° $\underline{\text{a}}$	
evening max el	6946 Nov 15 05:29	23° S 12'07	27°13'32	max. Earth dist.	6947 Sep 20 00:07	4° $\underline{\text{a}}$ 04'09	1.32680 AU
	6946 Nov 25 09:41	0° S		evening rise	6947 Sep 25 11:49	15° $\underline{\text{a}}$ 38'17	
retrograde	6946 Nov 28 15:25	0° S 31'04			6947 Oct 02 22:19	0° ml	
	6946 Dec 01 17:25	30° R S		desc. node	6947 Oct 11 18:51	14° ml 53'20	

	6947 Oct 22 18:55	0°♊			6948 Sep 25 00:22	0°♍	
evening max el	6947 Oct 28 16:25	6°♊19'36	27°28'16	desc. node	6948 Sep 27 15:54	3°♍57'28	
retrograde	6947 Nov 11 09:29	13°♊36'54		evening max el	6948 Oct 09 23:17	18°♍50'31	27°11'02
evening set	6947 Nov 18 12:13	11°♊05'01		retrograde	6948 Oct 23 20:14	26°♍02'35	
min. Earth dist.	6947 Nov 22 04:45	7°♊57'29	0.63220 AU	evening set	6948 Oct 30 21:47	23°♍47'58	
inferior conj	6947 Nov 24 21:55	5°♊16'27	-2°45'14	min. Earth dist.	6948 Nov 03 14:00	21°♍03'38	0.61257 AU
minimum elong	6947 Nov 25 02:58	5°♊03'56	2°43'17	inferior conj	6948 Nov 06 16:05	18°♍21'48	-3°51'07
morning rise	6947 Dec 01 19:32	0°♊02'29		minimum elong	6948 Nov 06 22:44	18°♍07'14	3°49'03
	6947 Dec 01 22:17	30°♋♍		morning rise	6948 Nov 14 01:51	13°♍27'15	
asc. node	6947 Dec 03 09:11	29°♋38'53		direct	6948 Nov 16 07:59	13°♍06'17	
direct	6947 Dec 04 04:29	29°♋35'46		asc. node	6948 Nov 19 06:13	13°♍43'01	
	6947 Dec 06 10:10	0°♋		morning max el	6948 Nov 23 10:32	16°♍40'25	17°56'01
morning max el	6947 Dec 10 19:23	3°♋00'46	17°48'34		6948 Dec 02 19:35	0°♋	
morning set	6947 Dec 27 01:35	28°♋01'06		morning set	6948 Dec 09 03:25	11°♋21'44	
	6947 Dec 28 04:52	0°♌					
desc. node	6948 Jan 07 18:01	17°♌59'13		superior conj	6948 Dec 19 12:32	0°♌01'34	0°36'38
				minimum elong	6948 Dec 19 15:27	0°♌14'17	0°36'16
superior conj	6948 Jan 08 03:07	18°♌36'56	-0°02'45		6948 Dec 19 12:10	0°♌	
minimum elong	6948 Jan 08 02:50	18°♌35'45	0°02'38	desc. node	6948 Dec 24 15:02	8°♌45'16	
behind sun begin	6948 Jan 07 17:31	17°♌57'10		max. Earth dist.	6948 Dec 27 00:40	12°♌44'45	1.42594 AU
behind sun end	6948 Jan 08 12:09	19°♌14'15		evening rise	6949 Jan 02 06:13	22°♌47'48	
max. Earth dist.	6948 Jan 14 11:18	28°♌56'01	1.44169 AU		6949 Jan 06 21:15	0°♍	
	6948 Jan 15 03:19	0°♍			6949 Jan 27 20:55	0°♋	
evening rise	6948 Jan 23 11:03	13°♍02'16		evening max el	6949 Feb 03 16:36	7°♋55'24	22°10'45
	6948 Feb 03 16:40	0°♋		retrograde	6949 Feb 13 05:01	13°♋34'21	
evening max el	6948 Feb 21 21:37	24°♋16'55	20°55'46	asc. node	6949 Feb 15 05:26	13°♋13'17	
asc. node	6948 Feb 29 08:22	29°♋10'09		evening set	6949 Feb 17 18:13	11°♋43'40	
retrograde	6948 Mar 01 07:59	29°♋15'13		inferior conj	6949 Feb 23 02:21	5°♋22'53	2°21'32
evening set	6948 Mar 05 10:26	27°♋39'44		minimum elong	6949 Feb 23 00:02	5°♋30'57	2°20'54
inferior conj	6948 Mar 10 18:10	21°♋28'01	2°53'06	min. Earth dist.	6949 Feb 23 00:58	5°♋27'41	0.68275 AU
minimum elong	6948 Mar 10 16:01	21°♋35'25	2°52'39		6949 Feb 27 09:12	30°♋♍	
min. Earth dist.	6948 Mar 11 05:01	20°♋50'31	0.67942 AU	morning rise	6949 Feb 28 05:40	29°♍12'20	
morning rise	6948 Mar 15 21:23	15°♋13'49		direct	6949 Mar 05 00:29	27°♍10'44	
direct	6948 Mar 21 06:25	12°♋51'06			6949 Mar 11 10:52	0°♋	
morning max el	6948 Apr 01 00:55	19°♋16'50	23°46'30	morning max el	6949 Mar 14 11:56	2°♋45'05	22°17'30
desc. node	6948 Apr 04 17:26	23°♋18'25		desc. node	6949 Mar 22 14:25	12°♋18'21	
	6948 Apr 10 02:38	0°♌			6949 Apr 04 03:26	0°♌	
	6948 Apr 30 10:12	0°♍		morning set	6949 Apr 16 22:53	19°♌56'03	
morning set	6948 May 06 10:20	9°♍58'59		max. Earth dist.	6949 Apr 22 03:38	28°♌32'05	1.40855 AU
max. Earth dist.	6948 May 10 06:32	16°♍39'20	1.38633 AU		6949 Apr 23 00:26	0°♍	
superior conj	6948 May 17 15:48	0°♎09'00	-1°25'57	superior conj	6949 Apr 29 22:48	12°♍04'28	-1°51'36
minimum elong	6948 May 17 20:45	0°♎32'23	1°25'19	minimum elong	6949 Apr 30 04:12	12°♍28'36	1°51'10
	6948 May 17 13:53	0°♎			6949 May 09 16:35	0°♎	
evening rise	6948 May 26 18:36	17°♎47'21		evening rise	6949 May 10 05:48	1°♎01'50	
asc. node	6948 May 27 07:33	18°♎50'27		asc. node	6949 May 14 04:36	8°♎22'15	
	6948 Jun 02 05:16	0°♏		evening max el	6949 May 26 08:55	26°♎48'14	18°18'32
evening max el	6948 Jun 12 02:12	14°♏13'07	18°50'44		6949 May 31 03:26	0°♏	
retrograde	6948 Jun 20 11:13	18°♏20'55		retrograde	6949 Jun 02 14:36	0°♏25'19	
evening set	6948 Jun 22 11:53	18°♏07'20		evening set	6949 Jun 04 22:30	0°♏03'42	
inferior conj	6948 Jun 30 13:53	13°♏48'40	0°19'59		6949 Jun 05 03:11	30°♋♎	
minimum elong	6948 Jun 30 14:40	13°♏47'16	0°19'37	inferior conj	6949 Jun 12 04:51	25°♎24'36	1°46'25
desc. node	6948 Jul 01 16:46	12°♏59'59		minimum elong	6949 Jun 12 07:55	25°♎18'07	1°45'25
min. Earth dist.	6948 Jul 03 17:37	11°♏33'06	0.56881 AU	min. Earth dist.	6949 Jun 15 14:52	22°♎32'58	0.58917 AU
morning rise	6948 Jul 08 14:01	8°♏45'21		desc. node	6949 Jun 18 13:46	20°♎25'16	
direct	6948 Jul 14 00:56	7°♏33'27		morning rise	6949 Jun 19 14:12	19°♎49'17	
morning max el	6948 Jul 28 08:31	15°♏00'31	26°11'56	direct	6949 Jun 25 19:31	18°♎05'08	
	6948 Aug 09 09:28	0°♏		morning max el	6949 Jul 10 04:39	25°♎52'19	27°20'02
asc. node	6948 Aug 23 06:52	24°♏45'55			6949 Jul 14 01:11	0°♏	
morning set	6948 Aug 25 18:22	29°♏56'18			6949 Aug 02 18:59	0°♏	
	6948 Aug 25 19:04	0°♐		morning set	6949 Aug 10 02:45	14°♏32'50	
				asc. node	6949 Aug 10 03:54	14°♏38'56	
superior conj	6948 Sep 01 16:25	15°♐02'54	1°23'27	superior conj	6949 Aug 17 04:15	29°♏53'54	1°06'49
minimum elong	6948 Sep 01 14:16	14°♐51'01	1°23'09	minimum elong	6949 Aug 17 02:00	29°♏41'26	1°06'24
max. Earth dist.	6948 Sep 02 08:12	16°♐30'04	1.32000 AU	max. Earth dist.	6949 Aug 16 18:52	29°♏01'57	1.31764 AU
evening rise	6948 Sep 08 14:56	0°♑04'57			6949 Aug 17 05:21	0°♐	
	6948 Sep 08 14:00	0°♑					

evening rise	6949 Aug 23 23:03	14° \cap 44'17		minimum elong	6950 Aug 01 13:02	14° Ω 27'04	0°45'19
	6949 Aug 31 13:47	0° Ω		evening rise	6950 Aug 08 09:55	29° Ω 28'38	
desc. node	6949 Sep 14 12:57	22° Ω 10'34			6950 Aug 08 15:48	0° \cap	
	6949 Sep 21 09:08	0° \cap			6950 Aug 25 04:00	0° Ω	
evening max el	6949 Sep 21 23:31	0° \cap 34'37	26°20'03	desc. node	6950 Sep 01 10:01	9° Ω 11'27	
retrograde	6949 Oct 05 21:58	7° \cap 40'51		evening max el	6950 Sep 03 15:48	11° Ω 28'32	24°59'57
evening set	6949 Oct 12 12:10	5° \cap 54'45		retrograde	6950 Sep 17 12:52	18° Ω 28'44	
min. Earth dist.	6949 Oct 16 12:52	3° \cap 20'09	0.59179 AU	evening set	6950 Sep 23 02:44	17° Ω 18'20	
inferior conj	6949 Oct 19 17:53	0° \cap 53'40	-4°48'16	min. Earth dist.	6950 Sep 28 03:08	14° Ω 35'23	0.57207 AU
minimum elong	6949 Oct 20 00:19	0° \cap 41'22	4°46'57	inferior conj	6950 Oct 01 00:06	12° Ω 41'31	-5°23'45
	6949 Oct 20 22:17	30° \cap Ω		minimum elong	6950 Oct 01 02:52	12° Ω 36'56	5°23'34
morning rise	6949 Oct 27 14:41	26° Ω 21'16		morning rise	6950 Oct 09 05:14	8° Ω 32'04	
direct	6949 Oct 29 21:55	26° Ω 02'54		direct	6950 Oct 11 17:57	8° Ω 13'40	
asc. node	6949 Nov 06 03:15	29° Ω 15'29		morning max el	6950 Oct 20 20:45	12° Ω 32'52	19°11'56
	6949 Nov 06 22:22	0° \cap		asc. node	6950 Oct 24 00:17	16° Ω 01'20	
morning max el	6949 Nov 06 20:11	29° Ω 54'41	18°23'14		6950 Nov 01 18:33	0° \cap	
morning set	6949 Nov 22 18:31	25° \cap 19'41		morning set	6950 Nov 06 18:38	9° \cap 41'52	
	6949 Nov 25 05:05	0° \times					
superior conj	6949 Dec 01 21:00	12° \times 32'34	1°06'37	superior conj	6950 Nov 14 23:15	25° \cap 54'25	1°26'56
minimum elong	6949 Dec 02 00:37	12° \times 49'12	1°06'13	minimum elong	6950 Nov 15 02:05	26° \cap 08'08	1°26'44
max. Earth dist.	6949 Dec 09 09:30	25° \times 55'28	1.40619 AU		6950 Nov 17 02:28	0° \times	
desc. node	6949 Dec 11 12:06	29° \times 30'45		max. Earth dist.	6950 Nov 21 15:11	8° \times 24'17	1.38472 AU
	6949 Dec 11 19:03	0° Σ		evening rise	6950 Nov 25 09:33	15° \times 05'10	
evening rise	6949 Dec 13 20:45	3° Σ 26'57		desc. node	6950 Nov 28 09:09	20° \times 11'22	
	6949 Dec 31 04:03	0° \approx			6950 Dec 04 09:36	0° Σ	
evening max el	6950 Jan 17 07:50	21° \approx 37'17	23°30'30		6950 Dec 25 22:10	0° \approx	
retrograde	6950 Jan 27 23:11	27° \approx 54'15		evening max el	6950 Dec 30 21:03	5° \approx 22'03	24°48'51
evening set	6950 Feb 02 00:30	25° \approx 48'28		retrograde	6951 Jan 11 13:29	12° \approx 10'08	
asc. node	6950 Feb 02 02:28	25° \approx 44'17		evening set	6951 Jan 17 03:45	9° \approx 50'22	
inferior conj	6950 Feb 07 10:37	19° \approx 22'13	1°41'39	asc. node	6951 Jan 19 23:31	6° \approx 54'07	
minimum elong	6950 Feb 07 08:35	19° \approx 29'10	1°40'58	min. Earth dist.	6951 Jan 21 16:59	4° \approx 42'37	0.67753 AU
min. Earth dist.	6950 Feb 06 21:43	20° \approx 06'23	0.68209 AU	inferior conj	6951 Jan 22 17:07	3° \approx 22'51	0°54'07
morning rise	6950 Feb 12 16:36	13° \approx 16'49		minimum elong	6951 Jan 22 15:52	3° \approx 27'01	0°53'39
direct	6950 Feb 16 21:29	11° \approx 37'58			6951 Jan 25 09:43	30° \cap Σ	
morning max el	6950 Feb 25 04:45	16° \approx 24'10	20°55'36	morning rise	6951 Jan 28 04:10	27° Σ 24'21	
	6950 Mar 08 03:12	0° H		direct	6951 Jan 31 20:07	26° Σ 07'14	
desc. node	6950 Mar 09 11:26	1° H 53'15			6951 Feb 07 23:04	0° \approx	
morning set	6950 Mar 27 08:35	28° H 40'00		morning max el	6951 Feb 08 05:30	0° \approx 15'48	19°46'08
	6950 Mar 28 05:01	0° Υ		greatest brilliancy	6951 Feb 21 02:36	17° \approx 04'35	-0.6m
max. Earth dist.	6950 Apr 04 07:45	11° Υ 21'48	1.42856 AU	desc. node	6951 Feb 24 08:27	21° \approx 53'38	
					6951 Mar 01 17:02	0° H	
superior conj	6950 Apr 11 07:40	22° Υ 58'32	-2°07'57	morning set	6951 Mar 06 05:29	6° H 55'44	
minimum elong	6950 Apr 11 10:42	23° Υ 11'23	2°07'52	max. Earth dist.	6951 Mar 17 19:19	25° H 01'15	1.44378 AU
	6950 Apr 15 10:01	0° Σ			6951 Mar 20 22:07	0° Υ	
evening rise	6950 Apr 23 02:20	13° Σ 33'17		superior conj	6951 Mar 22 15:27	2° Υ 46'33	-2°09'02
asc. node	6950 May 01 01:39	27° Σ 32'35		minimum elong	6951 Mar 22 12:32	2° Υ 34'46	2°08'58
	6950 May 02 13:28	0° Π		evening rise	6951 Apr 05 03:42	25° Υ 12'47	
evening max el	6950 May 09 20:32	9° Π 49'28	18°06'04		6951 Apr 07 23:19	0° Σ	
retrograde	6950 May 16 10:46	13° Π 12'15		asc. node	6951 Apr 17 22:41	16° Σ 14'36	
evening set	6950 May 19 01:53	12° Π 39'54		evening max el	6951 Apr 23 09:42	23° Σ 08'20	18°12'37
inferior conj	6950 May 25 15:38	7° Π 40'19	2°43'35	retrograde	6951 Apr 29 19:08	26° Σ 31'33	
minimum elong	6950 May 25 18:36	7° Π 33'05	2°42'53	evening set	6951 May 02 17:01	25° Σ 46'55	
min. Earth dist.	6950 May 28 19:33	4° Π 36'26	0.61147 AU	inferior conj	6951 May 08 18:17	20° Σ 28'26	3°15'18
morning rise	6950 Jun 01 09:09	1° Π 42'53		minimum elong	6951 May 08 20:01	20° Σ 23'40	3°15'02
	6950 Jun 04 18:56	30° \cap Σ		min. Earth dist.	6951 May 11 09:23	17° Σ 35'19	0.63279 AU
desc. node	6950 Jun 05 10:48	29° Σ 48'14		morning rise	6951 May 14 21:43	14° Σ 18'28	
direct	6950 Jun 08 01:27	29° Σ 27'53		direct	6951 May 21 16:51	11° Σ 40'56	
	6950 Jun 11 10:53	0° Π		desc. node	6951 May 23 07:49	11° Σ 49'09	
morning max el	6950 Jun 22 07:28	7° Π 26'23	27°52'23	morning max el	6951 Jun 04 15:27	19° Σ 42'41	27°46'45
	6950 Jul 09 10:56	0° Θ			6951 Jun 13 09:55	0° Π	
morning set	6950 Jul 25 06:42	28° Θ 53'43			6951 Jul 02 10:33	0° Θ	
	6950 Jul 25 19:32	0° Ω		morning set	6951 Jul 09 04:04	12° Θ 52'42	
asc. node	6950 Jul 28 00:55	4° Ω 40'39		max. Earth dist.	6951 Jul 14 08:27	23° Θ 35'03	1.32633 AU
max. Earth dist.	6950 Jul 31 04:19	11° Ω 27'42	1.31972 AU	asc. node	6951 Jul 14 21:57	24° Θ 46'50	
superior conj	6950 Aug 01 14:54	14° Ω 37'20	0°45'44	superior conj	6951 Jul 16 22:34	29° Θ 07'53	0°20'42

minimum elong	6951 Jul 16 21:35	29°☿02'36	0°20'27	superior conj	6952 Jun 30 01:08	13°☿18'58	-0°07'36
	6951 Jul 17 08:12	0°♊		minimum elong	6952 Jun 30 01:33	13°☿21'05	0°07'34
evening rise	6951 Jul 23 21:40	14°♊12'08		behind sun begin	6952 Jun 29 20:34	12°☿54'55	
	6951 Jul 31 19:02	0°♋		behind sun end	6952 Jun 30 06:31	13°☿47'17	
evening max el	6951 Aug 16 03:29	21°♋48'46	23°23'19	asc. node	6952 Jun 30 18:57	14°☿52'51	
desc. node	6951 Aug 19 07:01	24°♋32'39		evening rise	6952 Jul 07 08:22	28°☿48'22	
retrograde	6951 Aug 29 15:49	28°♋34'57			6952 Jul 07 22:02	0°♌	
evening set	6951 Sep 02 18:10	27°♋58'09			6952 Jul 25 17:59	0°♋	
min. Earth dist.	6951 Sep 09 12:57	24°♋48'46	0.55642 AU	evening max el	6952 Jul 27 18:59	2°♋09'13	21°46'44
inferior conj	6951 Sep 11 10:19	23°♋41'58	-5°19'48	desc. node	6952 Aug 05 04:02	7°♋41'12	
minimum elong	6951 Sep 11 06:10	23°♋48'06	5°19'25	retrograde	6952 Aug 09 07:42	8°♋22'06	
morning rise	6951 Sep 19 20:27	19°♋49'45		evening set	6952 Aug 12 00:18	8°♋05'47	
direct	6951 Sep 22 18:20	19°♋29'11		inferior conj	6952 Aug 21 06:03	4°♋05'08	-4°22'42
morning max el	6951 Oct 03 09:29	24°♋26'44	20°22'50	minimum elong	6952 Aug 20 20:57	4°♋17'52	4°20'29
	6951 Oct 08 06:31	0°♌		min. Earth dist.	6952 Aug 20 22:16	4°♋16'02	0.54802 AU
asc. node	6951 Oct 10 21:18	3°♌45'38		morning rise	6952 Aug 29 18:52	0°♋14'55	
morning set	6951 Oct 22 00:42	24°♌19'46			6952 Aug 31 00:15	30°♌♊	
	6951 Oct 24 18:45	0°♍		direct	6952 Sep 02 05:01	29°♌49'15	
					6952 Sep 04 08:55	0°♋	
superior conj	6951 Oct 29 14:25	9°♍53'27	1°38'27	morning max el	6952 Sep 14 09:49	5°♋33'47	21°53'52
minimum elong	6951 Oct 29 15:53	10°♍00'55	1°38'25	asc. node	6952 Sep 26 18:19	22°♋15'05	
max. Earth dist.	6951 Nov 03 21:51	20°♍22'41	1.36413 AU		6952 Sep 30 22:41	0°♌	
evening rise	6951 Nov 07 18:40	27°♍38'02		morning set	6952 Oct 05 10:26	9°♌07'14	
	6951 Nov 09 01:54	0°♎					
desc. node	6951 Nov 15 06:11	10°♎42'59		superior conj	6952 Oct 12 14:40	24°♌18'31	1°42'16
	6951 Nov 27 18:29	0°♏		minimum elong	6952 Oct 12 14:45	24°♌18'55	1°42'18
evening max el	6951 Dec 13 09:47	19°♏07'01	25°58'44		6952 Oct 15 08:23	0°♍	
retrograde	6951 Dec 25 23:02	26°♏15'59		max. Earth dist.	6952 Oct 16 10:53	2°♍15'12	1.34643 AU
evening set	6952 Jan 01 02:15	23°♏45'04		evening rise	6952 Oct 20 20:16	10°♍56'12	
min. Earth dist.	6952 Jan 05 08:33	19°♏11'56	0.66927 AU		6952 Oct 31 12:26	0°♎	
inferior conj	6952 Jan 06 19:59	17°♏21'12	-0°00'29	desc. node	6952 Nov 01 03:11	1°♎00'42	
minimum elong	6952 Jan 06 20:00	17°♏21'11	0°00'26		6952 Nov 22 05:08	0°♏	
transit middle	6952 Jan 06 20:00	17°♏21'11	0°00'26	evening max el	6952 Nov 24 22:50	2°♏47'01	26°52'44
transit begin	6952 Jan 06 17:09	17°♏30'05		retrograde	6952 Dec 08 03:09	10°♏05'18	
transit end	6952 Jan 06 22:50	17°♏12'17		evening set	6952 Dec 14 18:03	7°♏28'12	
asc. node	6952 Jan 06 20:34	17°♏19'24		min. Earth dist.	6952 Dec 18 18:11	3°♏29'43	0.65747 AU
morning rise	6952 Jan 12 14:19	11°♏31'31		inferior conj	6952 Dec 20 17:10	1°♏13'35	-1°01'13
direct	6952 Jan 15 18:53	10°♏33'23		minimum elong	6952 Dec 20 18:55	1°♏08'30	1°00'24
morning max el	6952 Jan 22 13:47	14°♏16'27	18°51'44		6952 Dec 21 18:50	30°♌♎	
	6952 Feb 03 08:08	0°♐		asc. node	6952 Dec 23 17:36	27°♎56'41	
desc. node	6952 Feb 11 05:28	12°♐12'05		morning rise	6952 Dec 26 20:50	25°♎35'10	
morning set	6952 Feb 13 14:04	15°♐53'14		direct	6952 Dec 29 15:58	24°♎52'13	
	6952 Feb 22 14:45	0°♑		morning max el	6953 Jan 05 03:42	28°♎20'55	18°13'41
max. Earth dist.	6952 Feb 28 11:50	9°♑12'11	1.45255 AU		6953 Jan 06 16:40	0°♏	
				morning set	6953 Jan 24 02:36	26°♏16'40	
superior conj	6952 Mar 01 02:02	11°♑42'11	-1°50'22		6953 Jan 26 09:51	0°♐	
minimum elong	6952 Feb 29 17:14	11°♑07'37	1°49'40	desc. node	6953 Jan 28 02:28	2°♐43'39	
	6952 Mar 12 14:26	0°♒					
evening rise	6952 Mar 16 06:09	5°♒53'47		superior conj	6953 Feb 08 06:27	20°♐28'40	-1°13'46
	6952 Mar 31 13:18	0°♓		minimum elong	6953 Feb 07 21:56	19°♐55'13	1°12'42
asc. node	6952 Apr 03 19:43	4°♓18'42		max. Earth dist.	6953 Feb 10 06:58	23°♐39'06	1.45407 AU
evening max el	6952 Apr 05 21:33	6°♓37'11	18°37'29		6953 Feb 14 08:22	0°♑	
retrograde	6952 Apr 12 11:17	10°♓13'48		evening rise	6953 Feb 24 10:02	15°♑42'17	
evening set	6952 Apr 15 16:03	9°♓15'50			6953 Mar 05 14:44	0°♒	
inferior conj	6952 Apr 21 08:39	3°♓40'09	3°27'00	greatest brilliancy	6953 Mar 08 03:39	3°♒53'08	-0.7m
minimum elong	6952 Apr 21 08:55	3°♓39'21	3°26'57	evening max el	6953 Mar 20 05:57	20°♒11'37	19°19'34
min. Earth dist.	6952 Apr 23 08:32	1°♓15'16	0.65121 AU	asc. node	6953 Mar 21 16:45	21°♒33'50	
	6952 Apr 24 10:39	30°♒♑		retrograde	6953 Mar 27 07:48	24°♒12'51	
morning rise	6952 Apr 27 01:06	27°♒24'43		evening set	6953 Mar 30 20:09	23°♒00'43	
direct	6952 May 03 16:06	24°♒36'49		inferior conj	6953 Apr 05 07:19	17°♒09'30	3°23'11
desc. node	6952 May 09 04:50	26°♒12'46		minimum elong	6953 Apr 05 06:20	17°♒12'40	3°23'05
	6952 May 14 10:15	0°♓		min. Earth dist.	6953 Apr 06 15:57	15°♒23'30	0.66566 AU
morning max el	6952 May 17 01:36	2°♓30'19	27°06'55	morning rise	6953 Apr 10 16:10	10°♒52'55	
	6952 Jun 06 16:05	0°♔		direct	6953 Apr 16 21:53	8°♒07'17	
morning set	6952 Jun 21 15:56	26°♔20'53		desc. node	6953 Apr 26 01:51	12°♒27'37	
	6952 Jun 23 12:48	0°☿		morning max el	6953 Apr 29 11:30	15°♒37'29	26°00'41
max. Earth dist.	6952 Jun 26 03:23	5°☿13'38	1.33764 AU		6953 May 11 07:24	0°♓	

	6953 May 30 12:34	0°♂		morning set	6954 May 17 19:03	21°♂00'31	
morning set	6953 Jun 04 14:34	9°♂07'54		max. Earth dist.	6954 May 21 09:53	27°♂29'23	1.37373 AU
max. Earth dist.	6953 Jun 08 11:07	16°♂24'57	1.35371 AU		6954 May 22 18:42	0°♂	
superior conj	6953 Jun 13 20:09	27°♂04'01	-0°38'02	superior conj	6954 May 28 04:29	10°♂14'59	-1°08'56
minimum elong	6953 Jun 13 22:20	27°♂15'04	0°37'41	minimum elong	6954 May 28 08:33	10°♂34'42	1°08'20
	6953 Jun 15 06:41	0°♂		asc. node	6954 Jun 04 13:00	24°♂49'29	
asc. node	6953 Jun 17 15:58	4°♂55'02		evening rise	6954 Jun 05 18:12	27°♂15'21	
evening rise	6953 Jun 21 16:00	13°♂11'35			6954 Jun 07 03:22	0°♂	
	6953 Jun 30 09:45	0°♂		evening max el	6954 Jun 22 13:08	24°♂35'52	19°18'27
evening max el	6953 Jul 09 21:36	13°♂00'44	20°23'01	retrograde	6954 Jul 01 18:38	29°♂08'17	
retrograde	6953 Jul 20 20:08	18°♂23'42		evening set	6954 Jul 03 16:30	28°♂57'26	
evening set	6953 Jul 22 19:29	18°♂13'58		desc. node	6954 Jul 09 22:07	26°♂17'40	
desc. node	6953 Jul 23 01:05	18°♂11'34		inferior conj	6954 Jul 12 05:47	24°♂48'39	-0°42'08
inferior conj	6953 Jul 31 23:46	14°♂16'38	-2°39'51	minimum elong	6954 Jul 12 03:56	24°♂51'43	0°41'28
minimum elong	6953 Jul 31 16:29	14°♂27'15	2°37'20	min. Earth dist.	6954 Jul 14 22:23	23°♂02'42	0.55940 AU
min. Earth dist.	6953 Aug 02 08:57	13°♂28'17	0.54904 AU	morning rise	6954 Jul 20 12:33	20°♂07'08	
morning rise	6953 Aug 09 12:33	10°♂08'31		direct	6954 Jul 25 11:16	19°♂11'18	
direct	6953 Aug 13 15:06	9°♂32'10		morning max el	6954 Aug 08 14:05	26°♂20'22	25°20'04
morning max el	6953 Aug 27 01:06	16°♂03'14	23°37'32		6954 Aug 12 02:03	0°♂	
	6953 Sep 07 02:55	0°♂			6954 Aug 31 03:02	0°♂	
asc. node	6953 Sep 13 15:20	11°♂18'15		asc. node	6954 Aug 31 12:21	0°♂46'28	
morning set	6953 Sep 19 21:56	23°♂58'17		morning set	6954 Sep 04 09:33	8°♂48'13	
	6953 Sep 22 17:24	0°♂					
superior conj	6953 Sep 26 20:59	8°♂59'51	1°39'27	superior conj	6954 Sep 11 07:00	23°♂50'19	1°30'49
minimum elong	6953 Sep 26 19:53	8°♂53'59	1°39'25	minimum elong	6954 Sep 11 05:08	23°♂39'58	1°30'37
max. Earth dist.	6953 Sep 29 08:42	14°♂19'51	1.33275 AU	max. Earth dist.	6954 Sep 12 14:06	26°♂40'47	1.32345 AU
evening rise	6953 Oct 04 10:23	24°♂48'26			6954 Sep 14 02:42	0°♂	
	6953 Oct 07 01:47	0°♂		evening rise	6954 Sep 18 09:38	9°♂05'30	
desc. node	6953 Oct 19 00:12	20°♂57'27			6954 Sep 29 10:25	0°♂	
	6953 Oct 25 00:32	0°♂		desc. node	6954 Oct 05 21:15	10°♂24'29	
evening max el	6953 Nov 07 11:17	16°♂10'44	27°23'36	evening max el	6954 Oct 20 20:59	29°♂04'55	27°25'00
retrograde	6953 Nov 21 00:53	23°♂29'14			6954 Oct 21 20:55	0°♂	
evening set	6953 Nov 28 00:41	20°♂53'06		retrograde	6954 Nov 03 15:38	6°♂19'13	
min. Earth dist.	6953 Dec 01 19:36	17°♂27'56	0.64232 AU	evening set	6954 Nov 10 19:03	3°♂53'25	
inferior conj	6953 Dec 04 06:12	14°♂53'35	-2°06'35	min. Earth dist.	6954 Nov 14 10:52	0°♂57'02	0.62418 AU
minimum elong	6953 Dec 04 10:03	14°♂43'28	2°04'58		6954 Nov 15 11:32	30°♂	
morning rise	6953 Dec 10 20:54	9°♂29'29		inferior conj	6954 Nov 17 08:14	28°♂14'12	-3°13'39
asc. node	6953 Dec 10 14:39	9°♂36'20		minimum elong	6954 Nov 17 14:04	28°♂00'26	3°11'33
direct	6953 Dec 13 08:54	8°♂57'50		morning rise	6954 Nov 24 11:02	23°♂07'58	
morning max el	6953 Dec 19 20:30	12°♂21'37	17°52'39	direct	6954 Nov 26 18:31	22°♂43'57	
	6954 Jan 01 01:11	0°♂		asc. node	6954 Nov 27 11:41	22°♂46'19	
morning set	6954 Jan 05 19:41	8°♂04'03		morning max el	6954 Dec 03 13:12	26°♂11'30	17°49'24
desc. node	6954 Jan 14 23:27	23°♂23'31			6954 Dec 06 19:23	0°♂	
				morning set	6954 Dec 19 11:24	20°♂56'15	
superior conj	6954 Jan 19 00:05	29°♂57'15	-0°28'28		6954 Dec 24 14:14	0°♂	
minimum elong	6954 Jan 18 20:48	29°♂44'00	0°27'56	superior conj	6954 Dec 30 18:31	10°♂38'43	0°15'01
	6954 Jan 19 00:46	0°♂		minimum elong	6954 Dec 30 19:57	10°♂44'44	0°14'52
max. Earth dist.	6954 Jan 24 02:09	8°♂05'17	1.44821 AU	behind sun begin	6954 Dec 30 16:34	10°♂30'29	
evening rise	6954 Feb 03 22:58	25°♂00'47		behind sun end	6954 Dec 30 23:19	10°♂58'59	
	6954 Feb 07 05:12	0°♂		desc. node	6955 Jan 01 20:27	14°♂08'19	
	6954 Feb 28 00:45	0°♂		max. Earth dist.	6955 Jan 06 18:35	22°♂13'27	1.43566 AU
evening max el	6954 Mar 03 09:20	3°♂48'00	20°17'01		6955 Jan 11 15:29	0°♂	
asc. node	6954 Mar 08 13:49	7°♂45'58		evening rise	6955 Jan 14 11:30	4°♂25'53	
retrograde	6954 Mar 11 06:06	8°♂23'14			6955 Jan 31 15:09	0°♂	
evening set	6954 Mar 15 03:07	6°♂56'16		evening max el	6955 Feb 14 07:09	17°♂25'06	21°26'46
inferior conj	6954 Mar 20 11:27	0°♂51'24	3°07'05	retrograde	6955 Feb 23 04:06	22°♂40'25	
minimum elong	6954 Mar 20 09:37	0°♂57'39	3°06'47	asc. node	6955 Feb 23 10:53	22°♂40'00	
min. Earth dist.	6954 Mar 21 05:51	29°♂48'52	0.67566 AU	evening set	6955 Feb 27 11:04	20°♂58'13	
	6954 Mar 21 02:34	30°♂		inferior conj	6955 Mar 04 18:44	14°♂42'11	2°40'47
morning rise	6954 Mar 25 15:54	24°♂36'05		minimum elong	6955 Mar 04 16:28	14°♂50'05	2°40'14
direct	6954 Mar 31 09:01	22°♂03'01		min. Earth dist.	6955 Mar 05 00:11	14°♂23'16	0.68133 AU
morning max el	6954 Apr 11 20:25	28°♂55'02	24°37'50	morning rise	6955 Mar 09 21:42	8°♂29'37	
desc. node	6954 Apr 12 22:51	0°♂03'36		direct	6955 Mar 15 00:40	6°♂15'43	
	6954 Apr 12 21:29	0°♂		morning max el	6955 Mar 25 05:52	12°♂19'23	23°08'21
	6954 May 05 02:11	0°♂		desc. node	6955 Mar 30 19:51	18°♂37'44	

	6955 Apr 08 09:15	0°♿			6956 Mar 10 12:54	0°♿	
	6955 Apr 27 22:48	0°♿		desc. node	6956 Mar 16 16:51	7°♿54'09	
morning set	6955 Apr 28 23:34	1°♿43'01			6956 Mar 31 21:14	0°♿	
max. Earth dist.	6955 May 03 05:56	8°♿58'01	1.39585 AU	morning set	6956 Apr 08 00:08	11°♿07'17	
				max. Earth dist.	6956 Apr 14 05:34	21°♿14'26	1.41741 AU
superior conj	6955 May 10 22:02	22°♿40'50	-1°37'37		6956 Apr 19 10:09	0°♿	
minimum elong	6955 May 11 03:25	23°♿05'39	1°37'02				
	6955 May 14 19:57	0°♿		superior conj	6956 Apr 21 20:09	4°♿11'11	-2°00'01
evening rise	6955 May 20 11:56	10°♿50'35		minimum elong	6956 Apr 22 00:59	4°♿32'19	1°59'44
asc. node	6955 May 22 10:02	14°♿31'04		evening rise	6956 May 02 17:28	23°♿48'20	
	6955 May 31 05:19	0°♿			6956 May 06 02:45	0°♿	
evening max el	6955 Jun 05 15:16	6°♿51'01	18°34'32	asc. node	6956 May 08 07:06	3°♿54'50	
retrograde	6955 Jun 13 11:20	10°♿44'13		evening max el	6956 May 19 00:28	19°♿38'22	18°10'53
evening set	6955 Jun 15 14:52	10°♿27'39		retrograde	6956 May 25 22:24	23°♿07'43	
inferior conj	6955 Jun 23 08:16	6°♿00'08	1°00'13	evening set	6956 May 28 09:16	22°♿41'58	
minimum elong	6955 Jun 23 10:23	5°♿56'03	0°59'25	inferior conj	6956 Jun 04 08:07	17°♿54'12	2°14'05
min. Earth dist.	6955 Jun 26 16:19	3°♿26'48	0.57697 AU	minimum elong	6956 Jun 04 11:21	17°♿46'54	2°13'07
desc. node	6955 Jun 26 19:10	3°♿21'36		min. Earth dist.	6956 Jun 07 16:45	14°♿54'04	0.59855 AU
morning rise	6955 Jul 01 02:29	0°♿42'01		morning rise	6956 Jun 11 10:36	12°♿07'48	
	6955 Jul 02 19:06	30°♿17'10		desc. node	6956 Jun 12 16:11	11°♿27'13	
direct	6955 Jul 06 21:36	29°♿17'10		direct	6956 Jun 17 21:30	10°♿09'46	
	6955 Jul 11 01:49	0°♿		morning max el	6956 Jul 02 06:09	18°♿03'42	27°38'25
morning max el	6955 Jul 21 06:54	6°♿53'48	26°44'52		6956 Jul 12 05:41	0°♿	
	6955 Aug 07 11:36	0°♿			6956 Jul 30 03:13	0°♿	
asc. node	6955 Aug 18 09:22	20°♿31'59		morning set	6956 Aug 03 02:21	8°♿02'05	
morning set	6955 Aug 19 19:36	23°♿31'12		asc. node	6956 Aug 04 06:24	10°♿29'24	
	6955 Aug 22 19:53	0°♿		max. Earth dist.	6956 Aug 09 10:22	21°♿41'30	1.31797 AU
superior conj	6955 Aug 26 18:42	8°♿42'40	1°16'58	superior conj	6956 Aug 10 06:16	23°♿31'22	0°58'24
minimum elong	6955 Aug 26 16:27	8°♿30'13	1°16'37	minimum elong	6956 Aug 10 04:07	23°♿19'30	0°57'58
max. Earth dist.	6955 Aug 26 23:52	9°♿11'17	1.31851 AU		6956 Aug 13 04:36	0°♿	
evening rise	6955 Sep 02 15:10	23°♿38'25		evening rise	6956 Aug 17 00:41	8°♿20'30	
	6955 Sep 05 17:04	0°♿			6956 Aug 28 04:06	0°♿	
desc. node	6955 Sep 22 18:19	29°♿09'12		desc. node	6956 Sep 08 15:21	16°♿54'44	
	6955 Sep 23 09:02	0°♿		evening max el	6956 Sep 13 21:43	22°♿37'51	25°48'50
evening max el	6955 Oct 03 01:08	11°♿16'15	26°53'10	retrograde	6956 Sep 27 20:27	29°♿42'41	
retrograde	6955 Oct 16 22:39	18°♿25'54		evening set	6956 Oct 04 01:48	28°♿11'11	
evening set	6955 Oct 23 21:04	16°♿21'46		min. Earth dist.	6956 Oct 08 10:14	25°♿35'14	0.58309 AU
min. Earth dist.	6955 Oct 27 15:18	13°♿43'55	0.60383 AU	inferior conj	6956 Oct 11 13:33	23°♿20'20	-5°06'59
inferior conj	6955 Oct 30 19:50	11°♿06'18	-4°17'02	minimum elong	6956 Oct 11 18:55	23°♿10'39	5°06'11
minimum elong	6955 Oct 31 02:43	10°♿52'05	4°15'11	morning rise	6956 Oct 19 14:22	18°♿58'06	
morning rise	6955 Nov 07 10:35	6°♿21'15		direct	6956 Oct 21 23:11	18°♿40'11	
direct	6955 Nov 09 16:43	6°♿01'44		morning max el	6956 Oct 30 08:46	22°♿42'32	18°41'16
asc. node	6955 Nov 14 08:44	7°♿29'38		asc. node	6956 Oct 31 05:46	23°♿35'20	
morning max el	6955 Nov 17 02:30	9°♿41'53	18°05'07		6956 Nov 05 04:31	0°♿	
	6955 Nov 30 08:24	0°♿		morning set	6956 Nov 15 14:50	18°♿43'52	
morning set	6955 Dec 02 19:28	4°♿34'29			6956 Nov 21 10:00	0°♿	
superior conj	6955 Dec 12 14:24	22°♿33'52	0°50'33	superior conj	6956 Nov 24 07:04	5°♿28'33	1°16'22
minimum elong	6955 Dec 12 17:52	22°♿49'18	0°50'08	minimum elong	6956 Nov 24 10:29	5°♿44'33	1°16'03
	6955 Dec 16 20:13	0°♿		max. Earth dist.	6956 Dec 01 12:37	18°♿37'49	1.39705 AU
desc. node	6955 Dec 19 17:29	4°♿54'45		evening rise	6956 Dec 05 14:00	25°♿36'39	
max. Earth dist.	6955 Dec 20 06:03	5°♿47'28	1.41786 AU	desc. node	6956 Dec 05 14:30	25°♿38'46	
evening rise	6955 Dec 25 14:00	14°♿32'04			6956 Dec 08 05:18	0°♿	
	6956 Jan 04 13:22	0°♿			6956 Dec 28 06:18	0°♿	
	6956 Jan 26 23:14	0°♿		evening max el	6957 Jan 09 14:10	14°♿47'23	24°04'29
evening max el	6956 Jan 28 00:09	1°♿04'26	22°44'27	retrograde	6957 Jan 20 16:56	21°♿19'25	
retrograde	6956 Feb 07 00:12	7°♿00'44		evening set	6957 Jan 25 23:34	19°♿07'36	
asc. node	6956 Feb 10 07:56	6°♿04'25		asc. node	6957 Jan 27 04:59	17°♿58'13	
evening set	6956 Feb 11 18:25	5°♿03'24		min. Earth dist.	6957 Jan 30 17:15	13°♿39'50	0.68054 AU
	6956 Feb 16 03:52	30°♿		inferior conj	6957 Jan 31 10:54	12°♿40'04	1°22'23
inferior conj	6956 Feb 17 03:10	28°♿39'32	2°05'37	minimum elong	6957 Jan 31 09:08	12°♿46'02	1°21'46
minimum elong	6956 Feb 17 00:55	28°♿47'20	2°04'55	morning rise	6957 Feb 05 18:44	6°♿37'07	
min. Earth dist.	6956 Feb 16 20:45	29°♿01'47	0.68287 AU	direct	6957 Feb 09 17:53	5°♿07'48	
morning rise	6956 Feb 22 07:20	22°♿30'59		morning max el	6957 Feb 17 15:07	9°♿37'01	20°24'16
direct	6956 Feb 26 20:00	20°♿39'18		desc. node	6957 Mar 03 13:51	27°♿40'56	
morning max el	6956 Mar 06 19:07	25°♿52'41	21°41'30		6957 Mar 05 03:56	0°♿	

morning set	6957 Mar 18 01:34	19° H 30'28		greatest brilliancy	6958 Feb 13 22:08	10° \approx 58'38	-0.7m
	6957 Mar 24 18:09	0° Y		desc. node	6958 Feb 18 10:52	17° \approx 49'57	
max. Earth dist.	6957 Mar 27 12:14	4° Y 24'01	1.43570 AU	morning set	6958 Feb 25 00:23	27° \approx 55'17	
					6958 Feb 26 08:39	0° H	
superior conj	6957 Apr 02 18:22	14° Y 36'40	-2°10'38	max. Earth dist.	6958 Mar 10 02:13	18° H 19'03	1.44845 AU
minimum elong	6957 Apr 02 19:15	14° Y 40'18	2°10'38				
	6957 Apr 11 20:04	0° B		superior conj	6958 Mar 13 16:00	23° H 59'06	-2°03'36
evening rise	6957 Apr 15 06:18	5° B 58'00		minimum elong	6958 Mar 13 10:09	23° H 35'50	2°03'20
asc. node	6957 Apr 25 04:07	22° B 54'01			6958 Mar 17 10:06	0° Y	
	6957 Apr 30 01:43	0° II		evening rise	6958 Mar 27 22:06	17° Y 12'14	
evening max el	6957 May 02 13:06	2° II 47'58	18°06'40		6958 Apr 04 05:21	0° B	
retrograde	6957 May 09 00:06	6° II 09'03		asc. node	6958 Apr 12 01:09	11° B 20'59	
evening set	6957 May 11 18:07	5° II 31'41		evening max el	6958 Apr 16 02:03	16° B 11'53	18°21'04
inferior conj	6957 May 18 02:06	0° II 24'12	2°59'48	retrograde	6958 Apr 22 12:05	19° B 38'53	
minimum elong	6957 May 18 04:36	0° II 17'43	2°59'17	evening set	6958 Apr 25 12:58	18° B 48'32	
	6957 May 18 11:27	30° R B		inferior conj	6958 May 01 10:07	13° B 22'35	3°22'23
min. Earth dist.	6957 May 21 01:15	27° B 22'04	0.62079 AU	minimum elong	6958 May 01 11:13	13° B 19'25	3°22'15
morning rise	6957 May 24 13:17	24° B 20'30		min. Earth dist.	6958 May 03 18:52	10° B 39'54	0.64111 AU
desc. node	6957 May 30 13:12	21° B 56'03		morning rise	6958 May 07 08:29	7° B 09'56	
direct	6957 May 31 07:56	21° B 54'10		direct	6958 May 14 02:46	4° B 26'26	
morning max el	6957 Jun 14 11:14	29° B 55'37	27°54'29	desc. node	6958 May 17 10:14	5° B 00'47	
	6957 Jun 14 12:59	0° II		morning max el	6958 May 27 20:12	12° B 25'29	27°33'37
	6957 Jul 06 06:20	0° B			6958 Jun 10 20:39	0° II	
morning set	6957 Jul 18 03:48	22° B 14'46			6958 Jun 28 18:48	0° B	
	6957 Jul 21 21:04	0° Q		morning set	6958 Jul 01 21:28	6° B 01'17	
asc. node	6957 Jul 22 03:25	0° Q 33'49		max. Earth dist.	6958 Jul 06 18:24	15° B 55'40	1.33052 AU
max. Earth dist.	6957 Jul 23 17:50	4° Q 00'05	1.32189 AU	asc. node	6958 Jul 09 00:24	20° B 40'17	
superior conj	6957 Jul 25 15:54	8° Q 10'34	0°35'35	superior conj	6958 Jul 09 21:39	22° B 33'33	0°09'05
minimum elong	6957 Jul 25 14:21	8° Q 02'06	0°35'13	minimum elong	6958 Jul 09 21:12	22° B 31'09	0°08'55
evening rise	6957 Aug 01 12:09	23° Q 05'34		behind sun begin	6958 Jul 09 16:40	22° B 06'59	
	6957 Aug 04 19:23	0° np		behind sun end	6958 Jul 10 01:43	22° B 55'21	
	6957 Aug 23 09:03	0° Q			6958 Jul 13 08:36	0° Q	
evening max el	6957 Aug 26 11:32	3° Q 15'53	24°20'03	evening rise	6958 Jul 16 23:39	7° Q 46'46	
desc. node	6957 Aug 26 12:23	3° Q 17'55			6958 Jul 28 15:15	0° np	
retrograde	6957 Sep 09 06:33	10° Q 11'35		evening max el	6958 Aug 07 23:52	13° np 32'16	22°41'28
evening set	6957 Sep 14 05:56	9° Q 16'47		desc. node	6958 Aug 13 09:25	17° np 47'18	
min. Earth dist.	6957 Sep 19 22:29	6° Q 24'20	0.56470 AU	retrograde	6958 Aug 21 03:50	20° np 06'14	
inferior conj	6957 Sep 22 11:11	4° Q 49'15	-5°28'02	evening set	6958 Aug 24 14:49	19° np 40'02	
minimum elong	6957 Sep 22 11:13	4° Q 49'12	5°28'01	min. Earth dist.	6958 Sep 01 07:30	16° np 15'30	0.55181 AU
morning rise	6957 Sep 30 18:46	0° Q 47'55		inferior conj	6958 Sep 02 14:09	15° np 31'52	-5°02'19
direct	6957 Oct 03 10:53	0° Q 28'53		minimum elong	6958 Sep 02 07:14	15° np 41'44	5°01'13
morning max el	6957 Oct 13 04:36	5° Q 03'39	19°39'17	morning rise	6958 Sep 11 01:38	11° np 42'53	
asc. node	6957 Oct 18 02:47	10° Q 48'34		direct	6958 Sep 14 04:40	11° np 20'24	
	6957 Oct 29 03:00	0° M		morning max el	6958 Sep 25 11:47	16° np 37'00	20°59'18
morning set	6957 Oct 30 17:51	3° M 14'26		asc. node	6958 Oct 04 23:48	28° np 53'45	
					6958 Oct 05 15:50	0° Q	
superior conj	6957 Nov 07 15:22	19° M 08'18	1°32'49	morning set	6958 Oct 15 01:46	17° Q 57'40	
minimum elong	6957 Nov 07 17:40	19° M 19'37	1°32'42		6958 Oct 20 20:13	0° M	
	6957 Nov 13 06:55	0° Z					
max. Earth dist.	6957 Nov 13 18:03	0° Z 51'49	1.37578 AU	superior conj	6958 Oct 22 10:49	3° M 19'48	1°40'57
evening rise	6957 Nov 17 11:59	7° Z 40'22		minimum elong	6958 Oct 22 11:41	3° M 24'16	1°40'57
desc. node	6957 Nov 22 11:32	16° Z 16'43		max. Earth dist.	6958 Oct 27 03:23	12° M 47'11	1.35625 AU
	6957 Dec 01 01:38	0° Z		evening rise	6958 Oct 31 04:38	20° M 34'01	
evening max el	6957 Dec 23 03:15	28° Z 33'53	25°20'04		6958 Nov 05 09:45	0° Z	
	6957 Dec 24 15:45	0° \approx		desc. node	6958 Nov 09 08:34	6° Z 43'22	
retrograde	6958 Jan 04 05:15	5° \approx 31'49			6958 Nov 25 00:32	0° Z	
evening set	6958 Jan 10 00:59	3° \approx 07'13		evening max el	6958 Dec 05 16:18	12° Z 18'27	26°23'59
	6958 Jan 13 01:15	30° R Z		retrograde	6958 Dec 18 12:20	19° Z 31'42	
asc. node	6958 Jan 14 02:00	28° Z 43'30		evening set	6958 Dec 24 20:52	16° Z 57'30	
min. Earth dist.	6958 Jan 14 11:17	28° Z 13'54	0.67451 AU	min. Earth dist.	6958 Dec 29 00:33	12° Z 39'15	0.66478 AU
inferior conj	6958 Jan 15 16:06	26° Z 40'40	0°31'47	inferior conj	6958 Dec 30 16:49	10° Z 37'11	-0°25'33
minimum elong	6958 Jan 15 15:19	26° Z 43'13	0°31'30	minimum elong	6958 Dec 31 17:31	10° Z 35'05	0°25'12
morning rise	6958 Jan 21 05:58	20° Z 45'24		asc. node	6958 Dec 30 23:03	9° Z 06'52	
direct	6958 Jan 24 16:56	19° Z 36'36		morning rise	6959 Jan 05 14:53	4° Z 51'58	
morning max el	6958 Jan 31 19:06	23° Z 32'45	19°20'55	direct	6959 Jan 08 15:18	4° Z 00'37	
	6958 Feb 06 05:58	0° \approx		morning max el	6959 Jan 15 06:04	7° Z 35'53	18°33'28

	6959 Jan 31 02:48	0°♊	direct	6959 Dec 23 10:54	18°♊14'48	
morning set	6959 Feb 04 20:00	7°♊27'51	morning max el	6959 Dec 29 21:39	21°♊40'02	18°02'37
desc. node	6959 Feb 05 07:52	8°♊14'49		6960 Jan 05 09:52	0°♊	
	6959 Feb 19 03:36	0°♊	morning set	6960 Jan 16 21:11	18°♊28'45	
			desc. node	6960 Jan 23 04:52	28°♊50'25	
				6960 Jan 23 22:00	0°♊	
superior conj	6959 Feb 20 21:31	2°♊44'11 -1°36'36				
minimum elong	6959 Feb 20 11:56	2°♊06'38 1°35'38				
max. Earth dist.	6959 Feb 20 20:50	2°♊41'27 1.45417 AU	superior conj	6960 Jan 31 05:26	11°♊42'59 -0°54'54	
evening rise	6959 Mar 08 14:36	27°♊30'02	minimum elong	6960 Jan 30 22:53	11°♊17'03 0°53'59	
	6959 Mar 10 04:19	0°♊	max. Earth dist.	6960 Feb 03 16:25	17°♊10'28 1.45244 AU	
greatest brilliancy	6959 Mar 17 09:24	11°♊26'22 -0.8m		6960 Feb 11 21:41	0°♊	
asc. node	6959 Mar 29 22:11	29°♊06'09	evening rise	6960 Feb 16 10:43	7°♊02'01	
evening max el	6959 Mar 30 12:40	29°♊43'57 18°53'21	greatest brilliancy	6960 Mar 01 00:08	27°♊43'31 -0.7m	
	6959 Mar 30 19:06	0°♊		6960 Mar 02 13:10	0°♊	
retrograde	6959 Apr 06 06:33	3°♊29'43	evening max el	6960 Mar 12 18:58	13°♊18'58 19°42'15	
evening set	6959 Apr 09 14:31	2°♊25'37	asc. node	6960 Mar 15 19:15	15°♊56'18	
	6959 Apr 12 09:46	30°♊	retrograde	6960 Mar 20 04:15	17°♊34'09	
inferior conj	6959 Apr 15 04:24	26°♊42'51 3°27'02	evening set	6960 Mar 23 20:06	16°♊15'47	
minimum elong	6959 Apr 15 04:06	26°♊43'47 3°27'00	inferior conj	6960 Mar 29 05:44	10°♊18'14 3°17'43	
min. Earth dist.	6959 Apr 16 21:36	24°♊33'58 0.65787 AU	minimum elong	6960 Mar 29 04:21	10°♊22'52 3°17'32	
morning rise	6959 Apr 20 17:14	20°♊26'38	min. Earth dist.	6960 Mar 30 08:07	8°♊50'33 0.67041 AU	
direct	6959 Apr 27 04:42	17°♊38'37	morning rise	6960 Apr 03 12:19	4°♊01'45	
desc. node	6959 May 04 07:15	20°♊16'12	direct	6960 Apr 09 12:48	1°♊20'36	
morning max el	6959 May 10 06:35	25°♊23'34 26°41'32	desc. node	6960 Apr 20 04:16	7°♊08'48	
	6959 May 14 11:29	0°♊	morning max el	6960 Apr 21 16:16	8°♊36'50 25°26'53	
	6959 Jun 04 08:39	0°♊		6960 May 08 10:57	0°♊	
morning set	6959 Jun 15 04:12	19°♊13'27		6960 May 26 21:47	0°♊	
max. Earth dist.	6959 Jun 19 08:58	27°♊23'19 1.34394 AU	morning set	6960 May 27 19:46	1°♊39'01	
	6959 Jun 20 16:15	0°♊	max. Earth dist.	6960 May 31 12:29	8°♊28'39 1.36181 AU	
superior conj	6959 Jun 23 21:20	6°♊34'29 -0°20'18	superior conj	6960 Jun 06 12:10	20°♊05'32 -0°51'14	
minimum elong	6959 Jun 23 22:27	6°♊40'18 0°20'09	minimum elong	6960 Jun 06 15:10	20°♊20'27 0°50'45	
asc. node	6959 Jun 25 21:25	10°♊45'19		6960 Jun 11 09:44	0°♊	
evening rise	6959 Jul 01 09:21	22°♊18'37	asc. node	6960 Jun 11 18:26	0°♊44'29	
	6959 Jul 05 03:46	0°♊	evening rise	6960 Jun 14 14:58	6°♊34'07	
evening max el	6959 Jul 20 19:19	24°♊02'18 21°09'00		6960 Jun 27 18:11	0°♊	
desc. node	6959 Jul 31 06:26	29°♊50'36	evening max el	6960 Jul 02 03:22	5°♊11'05 19°53'01	
retrograde	6959 Aug 01 16:57	29°♊55'38	retrograde	6960 Jul 12 08:25	10°♊12'15	
evening set	6959 Aug 04 00:00	29°♊43'19	evening set	6960 Jul 14 05:25	10°♊02'50	
inferior conj	6959 Aug 13 07:06	25°♊45'31 -3°43'11	desc. node	6960 Jul 17 03:29	9°♊13'49	
minimum elong	6959 Aug 12 21:57	25°♊58'23 3°40'30	inferior conj	6960 Jul 23 04:29	6°♊02'01 -1°49'39	
min. Earth dist.	6959 Aug 13 16:53	25°♊31'45 0.54725 AU	minimum elong	6960 Jul 22 23:25	6°♊09'45 1°47'47	
morning rise	6959 Aug 21 20:28	21°♊50'34	min. Earth dist.	6960 Jul 25 04:47	4°♊48'25 0.55233 AU	
direct	6959 Aug 25 12:58	21°♊21'23	morning rise	6960 Jul 31 15:30	1°♊40'32	
morning max el	6959 Sep 07 07:36	27°♊25'38 22°37'11	direct	6960 Aug 05 01:59	0°♊57'17	
	6959 Sep 09 20:24	0°♊	morning max el	6960 Aug 18 21:12	7°♊46'32 24°22'24	
asc. node	6959 Sep 21 20:49	17°♊38'33		6960 Sep 04 01:14	0°♊	
	6959 Sep 28 04:26	0°♊	asc. node	6960 Sep 07 17:50	6°♊52'59	
morning set	6959 Sep 29 12:29	2°♊47'25	morning set	6960 Sep 13 00:13	17°♊38'26	
				6960 Sep 18 17:02	0°♊	
superior conj	6959 Oct 06 14:00	17°♊52'48 1°41'50				
minimum elong	6959 Oct 06 13:32	17°♊50'24 1°41'51	superior conj	6960 Sep 19 22:10	2°♊39'00 1°36'28	
max. Earth dist.	6959 Oct 09 20:10	24°♊43'38 1.34009 AU	minimum elong	6960 Sep 19 20:42	2°♊30'59 1°36'22	
	6959 Oct 12 10:07	0°♊	max. Earth dist.	6960 Sep 21 21:15	6°♊54'04 1.32815 AU	
evening rise	6959 Oct 14 11:59	4°♊07'33	evening rise	6960 Sep 27 06:21	18°♊11'14	
desc. node	6959 Oct 27 05:34	26°♊53'05		6960 Oct 03 08:16	0°♊	
	6959 Oct 29 04:28	0°♊	desc. node	6960 Oct 13 02:36	16°♊38'32	
evening max el	6959 Nov 18 05:07	25°♊52'24 27°08'56		6960 Oct 22 13:05	0°♊	
	6959 Nov 23 03:59	0°♊	evening max el	6960 Oct 30 16:33	9°♊05'03 27°28'07	
retrograde	6959 Dec 01 13:46	3°♊11'39	retrograde	6960 Nov 13 08:59	16°♊23'05	
evening set	6959 Dec 08 09:07	0°♊33'37	evening set	6960 Nov 20 11:04	13°♊49'46	
	6959 Dec 09 01:37	30°♊	min. Earth dist.	6960 Nov 24 04:07	10°♊37'49 0.63487 AU	
min. Earth dist.	6959 Dec 12 06:46	26°♊49'57 0.65149 AU	inferior conj	6960 Nov 26 19:38	7°♊58'05 -2°35'03	
inferior conj	6959 Dec 14 10:51	24°♊24'51 -1°28'31	minimum elong	6960 Nov 27 00:22	7°♊46'09 2°33'11	
minimum elong	6959 Dec 14 13:28	24°♊17'34 1°27'21	morning rise	6960 Dec 03 15:27	2°♊41'23	
asc. node	6959 Dec 18 20:07	20°♊05'25	asc. node	6960 Dec 04 17:10	2°♊22'09	
morning rise	6959 Dec 20 19:04	18°♊52'28	direct	6960 Dec 06 01:02	2°♊13'33	

morning max el	6960 Dec 12 14:56	5° ♁ 38'08	17°49'04	minimum elong	6961 Nov 09 22:28	20° ♁ 53'27	3°39'22
	6960 Dec 28 14:00	0° ♁		morning rise	6961 Nov 16 23:57	16° ♁ 10'09	
morning set	6960 Dec 29 00:50	0° ♁ 46'54		direct	6961 Nov 19 06:19	15° ♁ 48'30	
desc. node	6961 Jan 09 01:52	19° ♁ 33'15		asc. node	6961 Nov 21 14:13	16° ♁ 12'15	
				morning max el	6961 Nov 26 06:35	19° ♁ 20'45	17°53'41
superior conj	6961 Jan 10 09:09	21° ♁ 42'18	-0°09'21		6961 Dec 04 01:44	0° ♁	
minimum elong	6961 Jan 10 08:09	21° ♁ 38'11	0°09'09	morning set	6961 Dec 12 00:15	14° ♁ 01'02	
behind sun begin	6961 Jan 10 00:11	21° ♁ 05'24			6961 Dec 20 22:15	0° ♁	
behind sun end	6961 Jan 10 16:06	22° ♁ 10'54					
	6961 Jan 15 11:49	0° ♁		superior conj	6961 Dec 22 14:46	2° ♁ 56'07	0°31'12
max. Earth dist.	6961 Jan 16 10:21	1° ♁ 30'07	1.44359 AU	minimum elong	6961 Dec 22 17:23	3° ♁ 07'24	0°30'53
evening rise	6961 Jan 25 21:36	16° ♁ 19'06		desc. node	6961 Dec 26 22:52	10° ♁ 19'07	
	6961 Feb 03 22:13	0° ♁		max. Earth dist.	6961 Dec 30 00:36	15° ♁ 24'40	1.42864 AU
evening max el	6961 Feb 23 19:59	26° ♁ 55'55	20°45'22	evening rise	6962 Jan 05 14:42	25° ♁ 58'52	
	6961 Feb 27 08:20	0° ♁			6962 Jan 08 04:33	0° ♁	
asc. node	6961 Mar 02 16:19	1° ♁ 37'21			6962 Jan 28 19:53	0° ♁	
retrograde	6961 Mar 04 02:44	1° ♁ 48'05		evening max el	6962 Feb 06 15:44	10° ♁ 34'32	21°59'07
evening set	6961 Mar 08 03:42	0° ♁ 14'54		retrograde	6962 Feb 16 00:01	16° ♁ 07'07	
	6961 Mar 08 11:07	30° ♁		asc. node	6962 Feb 17 13:24	15° ♁ 54'31	
inferior conj	6961 Mar 13 11:32	24° ♁ 04'56	2°57'06	evening set	6962 Feb 20 11:35	14° ♁ 18'39	
minimum elong	6961 Mar 13 09:27	24° ♁ 12'04	2°56'41	inferior conj	6962 Feb 25 19:33	7° ♁ 59'05	2°26'55
min. Earth dist.	6961 Mar 14 00:20	23° ♁ 20'51	0.67861 AU	minimum elong	6962 Feb 25 17:14	8° ♁ 07'09	2°26'17
morning rise	6961 Mar 18 14:59	17° ♁ 50'20		min. Earth dist.	6962 Feb 25 19:56	7° ♁ 57'45	0.68256 AU
direct	6961 Mar 24 02:10	15° ♁ 24'39		morning rise	6962 Mar 02 22:42	1° ♁ 48'00	
morning max el	6961 Apr 04 01:07	21° ♁ 57'33	23°59'49		6962 Mar 05 23:46	30° ♁	
desc. node	6961 Apr 07 01:17	25° ♁ 12'04		direct	6962 Mar 07 19:40	29° ♁ 43'06	
	6961 Apr 11 01:00	0° ♁			6962 Mar 09 17:35	0° ♁	
	6961 May 01 17:58	0° ♁		morning max el	6962 Mar 17 11:33	5° ♁ 24'44	22°30'28
morning set	6961 May 09 14:45	13° ♁ 03'39		desc. node	6962 Mar 24 22:17	14° ♁ 05'53	
max. Earth dist.	6961 May 13 08:37	19° ♁ 36'55	1.38303 AU		6962 Apr 05 08:35	0° ♁	
	6961 May 19 00:56	0° ♁		morning set	6962 Apr 20 07:34	23° ♁ 12'56	
					6962 Apr 24 09:37	0° ♁	
superior conj	6961 May 20 14:44	2° ♁ 58'24	-1°21'36	max. Earth dist.	6962 Apr 25 05:21	1° ♁ 23'24	1.40531 AU
minimum elong	6961 May 20 19:29	3° ♁ 20'58	1°20'58				
evening rise	6961 May 29 13:57	20° ♁ 26'21		superior conj	6962 May 03 00:40	15° ♁ 02'35	-1°48'12
asc. node	6961 May 29 15:29	20° ♁ 33'51		minimum elong	6962 May 03 06:09	15° ♁ 27'15	1°47'42
	6961 Jun 03 13:10	0° ♁			6962 May 11 02:50	0° ♁	
evening max el	6961 Jun 14 23:53	17° ♁ 04'19	18°57'17	evening rise	6962 May 13 02:59	3° ♁ 46'54	
retrograde	6961 Jun 23 13:51	21° ♁ 17'53		asc. node	6962 May 16 12:31	10° ♁ 08'41	
evening set	6961 Jun 25 13:40	21° ♁ 05'08		evening max el	6962 May 29 05:35	29° ♁ 35'01	18°22'04
inferior conj	6961 Jul 03 18:40	16° ♁ 49'18	0°04'23		6962 May 29 16:03	0° ♁	
minimum elong	6961 Jul 03 18:51	16° ♁ 49'00	0°04'16	retrograde	6962 Jun 05 14:33	3° ♁ 15'44	
transit middle	6961 Jul 03 18:51	16° ♁ 49'00	0°04'16	evening set	6962 Jun 07 21:21	2° ♁ 55'29	
transit begin	6961 Jul 03 15:14	16° ♁ 55'22			6962 Jun 13 03:58	30° ♁	
transit end	6961 Jul 03 22:28	16° ♁ 42'38		inferior conj	6962 Jun 15 06:28	28° ♁ 19'17	1°35'14
desc. node	6961 Jul 04 00:32	16° ♁ 38'59		minimum elong	6962 Jun 15 09:22	28° ♁ 13'18	1°34'14
min. Earth dist.	6961 Jul 06 20:08	14° ♁ 40'55	0.56617 AU	min. Earth dist.	6962 Jun 18 16:23	25° ♁ 31'48	0.58591 AU
morning rise	6961 Jul 11 20:42	11° ♁ 51'37		desc. node	6962 Jun 20 21:35	23° ♁ 55'09	
direct	6961 Jul 17 04:37	10° ♁ 44'04		morning rise	6962 Jun 22 18:12	22° ♁ 48'15	
morning max el	6961 Jul 31 11:08	18° ♁ 06'51	25°59'15	direct	6962 Jun 28 21:06	21° ♁ 09'13	
	6961 Aug 10 08:52	0° ♁		morning max el	6962 Jul 13 06:20	28° ♁ 53'36	27°12'01
asc. node	6961 Aug 25 14:50	26° ♁ 29'02			6962 Jul 14 08:45	0° ♁	
	6961 Aug 27 07:42	0° ♁			6962 Aug 04 03:52	0° ♁	
morning set	6961 Aug 28 11:19	2° ♁ 25'33		asc. node	6962 Aug 12 11:50	16° ♁ 20'22	
				morning set	6962 Aug 12 20:10	17° ♁ 04'06	
superior conj	6961 Sep 04 09:07	17° ♁ 30'51	1°25'32		6962 Aug 18 19:14	0° ♁	
minimum elong	6961 Sep 04 07:01	17° ♁ 19'18	1°25'17				
max. Earth dist.	6961 Sep 05 04:43	19° ♁ 19'00	1.32074 AU	superior conj	6962 Aug 19 20:58	2° ♁ 22'30	1°09'38
	6961 Sep 10 02:56	0° ♁		minimum elong	6962 Aug 19 18:42	2° ♁ 09'56	1°09'15
evening rise	6961 Sep 11 08:34	2° ♁ 35'53		max. Earth dist.	6962 Aug 19 15:22	1° ♁ 51'31	1.31776 AU
	6961 Sep 26 04:27	0° ♁		evening rise	6962 Aug 26 16:04	17° ♁ 13'58	
desc. node	6961 Sep 29 23:39	5° ♁ 49'13			6962 Sep 01 23:26	0° ♁	
evening max el	6961 Oct 13 00:19	21° ♁ 42'45	27°15'49	desc. node	6962 Sep 16 20:42	24° ♁ 11'12	
retrograde	6961 Oct 26 20:47	28° ♁ 55'20			6962 Sep 21 14:45	0° ♁	
evening set	6961 Nov 02 23:05	26° ♁ 37'36		evening max el	6962 Sep 25 01:40	3° ♁ 34'04	26°29'36
min. Earth dist.	6961 Nov 06 15:02	23° ♁ 50'25	0.61560 AU	retrograde	6962 Oct 08 23:47	10° ♁ 40'50	
inferior conj	6961 Nov 09 15:59	21° ♁ 07'56	-3°41'27	evening set	6962 Oct 15 16:34	8° ♁ 49'45	

min. Earth dist.	6962 Oct 19 15:11	6° \mathbb{M} 14'54	0.59494 AU	evening set	6963 Sep 26 10:51	20° \mathbb{A} 20'01	
inferior conj	6962 Oct 22 20:22	3° \mathbb{M} 45'04	-4°40'40	min. Earth dist.	6963 Oct 01 06:25	17° \mathbb{A} 39'34	0.57484 AU
minimum elong	6962 Oct 23 03:02	3° \mathbb{M} 32'05	4°39'11	inferior conj	6963 Oct 04 05:35	15° \mathbb{A} 39'40	-5°20'33
	6962 Oct 28 10:29	30° \mathbb{R} \mathbb{A}		minimum elong	6963 Oct 04 09:09	15° \mathbb{A} 33'37	5°20'12
morning rise	6962 Oct 30 15:42	29° \mathbb{A} 09'17		morning rise	6963 Oct 12 09:44	11° \mathbb{A} 27'08	
direct	6962 Nov 01 22:33	28° \mathbb{A} 50'39		direct	6963 Oct 14 21:18	11° \mathbb{A} 08'57	
	6962 Nov 06 05:24	0° \mathbb{M}		morning max el	6963 Oct 23 19:21	15° \mathbb{A} 23'17	19°03'18
asc. node	6962 Nov 08 11:14	1° \mathbb{M} 31'55		asc. node	6963 Oct 26 08:14	18° \mathbb{A} 07'37	
morning max el	6962 Nov 09 17:13	2° \mathbb{M} 39'02	18°17'52		6963 Nov 03 02:50	0° \mathbb{M}	
morning set	6962 Nov 25 13:37	27° \mathbb{M} 53'53		morning set	6963 Nov 09 12:34	12° \mathbb{M} 12'55	
	6962 Nov 26 16:08	0° \mathbb{X}					
superior conj	6962 Dec 04 20:04	15° \mathbb{X} 17'50	1°02'41	superior conj	6963 Nov 17 19:57	28° \mathbb{M} 33'07	1°24'27
minimum elong	6962 Dec 04 23:42	15° \mathbb{X} 34'23	1°02'18	minimum elong	6963 Nov 17 22:58	28° \mathbb{M} 47'34	1°24'12
max. Earth dist.	6962 Dec 12 10:13	28° \mathbb{X} 41'52	1.40930 AU		6963 Nov 18 14:06	0° \mathbb{X}	
	6962 Dec 13 04:36	0° \mathbb{Z}		max. Earth dist.	6963 Nov 24 15:57	11° \mathbb{X} 15'53	1.38788 AU
desc. node	6962 Dec 13 19:53	1° \mathbb{Z} 04'36		evening rise	6963 Nov 28 11:22	17° \mathbb{X} 58'07	
evening rise	6962 Dec 17 01:54	6° \mathbb{Z} 28'39		desc. node	6963 Nov 30 16:54	21° \mathbb{X} 46'12	
	6963 Jan 01 08:24	0° \approx			6963 Dec 05 17:15	0° \mathbb{Z}	
evening max el	6963 Jan 20 07:21	24° \approx 15'34	23°18'33	evening max el	6963 Dec 26 17:32	0° \approx	
	6963 Jan 28 06:08	0° \mathbb{X}		retrograde	6964 Jan 02 20:37	7° \approx 59'42	24°37'34
retrograde	6963 Jan 30 18:41	0° \mathbb{X} 27'15		retrograde	6964 Jan 14 09:40	14° \approx 44'14	
	6963 Feb 02 03:45	30° \mathbb{R} \approx		evening set	6964 Jan 19 21:58	12° \approx 26'21	
asc. node	6963 Feb 04 10:27	28° \approx 39'18		asc. node	6964 Jan 22 07:29	9° \approx 59'49	
evening set	6963 Feb 04 18:11	28° \approx 23'32		min. Earth dist.	6964 Jan 24 12:16	7° \approx 13'26	0.67840 AU
min. Earth dist.	6963 Feb 09 16:38	22° \approx 36'30	0.68243 AU	inferior conj	6964 Jan 25 10:45	5° \approx 58'36	1°01'47
inferior conj	6963 Feb 10 03:53	21° \approx 57'48	1°48'14	minimum elong	6964 Jan 25 09:21	6° \approx 03'18	1°01'17
minimum elong	6963 Feb 10 01:47	22° \approx 05'02	1°47'32	morning rise	6964 Jan 30 20:53	29° \mathbb{Z} 58'56	
morning rise	6963 Feb 15 09:20	15° \approx 51'39			6964 Jan 30 20:18	30° \mathbb{R} \mathbb{Z}	
direct	6963 Feb 19 16:12	14° \approx 09'32		direct	6964 Feb 03 14:38	28° \mathbb{Z} 38'49	
morning max el	6963 Feb 28 03:22	19° \approx 02'20	21°07'09		6964 Feb 07 15:27	0° \approx	
	6963 Mar 09 04:34	0° \mathbb{X}		morning max el	6964 Feb 11 02:55	2° \approx 52'27	19°55'35
desc. node	6963 Mar 11 19:17	3° \mathbb{X} 36'12		desc. node	6964 Feb 26 16:16	23° \approx 33'15	
	6963 Mar 29 12:30	0° \mathbb{Y}			6964 Mar 01 23:18	0° \mathbb{X}	
morning set	6963 Mar 30 20:50	2° \mathbb{Y} 06'30		morning set	6964 Mar 08 18:09	10° \mathbb{X} 22'09	
max. Earth dist.	6963 Apr 07 08:30	14° \mathbb{Y} 05'39	1.42581 AU	max. Earth dist.	6964 Mar 19 18:46	27° \mathbb{X} 37'42	1.44187 AU
					6964 Mar 21 06:24	0° \mathbb{Y}	
superior conj	6963 Apr 14 13:06	26° \mathbb{Y} 06'19	-2°06'19	superior conj	6964 Mar 25 00:35	6° \mathbb{Y} 03'58	-2°10'04
minimum elong	6963 Apr 14 16:44	26° \mathbb{Y} 21'50	2°06'12	minimum elong	6964 Mar 24 22:44	5° \mathbb{Y} 56'23	2°10'04
	6963 Apr 16 19:28	0° \mathbb{B}		evening rise	6964 Apr 07 06:30	28° \mathbb{Y} 13'26	
evening rise	6963 Apr 26 02:00	16° \mathbb{B} 25'37			6964 Apr 08 07:24	0° \mathbb{B}	
asc. node	6963 May 03 09:34	29° \mathbb{B} 22'50		asc. node	6964 Apr 19 06:37	18° \mathbb{B} 09'47	
	6963 May 03 18:20	0° \mathbb{I}		evening max el	6964 Apr 25 05:43	25° \mathbb{B} 49'18	18°10'25
evening max el	6963 May 12 16:38	12° \mathbb{I} 32'41	18°06'40	retrograde	6964 May 01 15:20	29° \mathbb{B} 11'37	
retrograde	6963 May 19 08:32	15° \mathbb{I} 56'48		evening set	6964 May 04 12:09	28° \mathbb{B} 28'58	
evening set	6963 May 21 22:33	15° \mathbb{I} 26'14		inferior conj	6964 May 10 15:03	23° \mathbb{B} 13'19	3°11'50
inferior conj	6963 May 28 14:31	10° \mathbb{I} 29'35	2°36'40	minimum elong	6964 May 10 16:59	23° \mathbb{B} 08'02	3°11'31
minimum elong	6963 May 28 17:36	10° \mathbb{I} 22'12	2°35'53	min. Earth dist.	6964 May 13 08:21	20° \mathbb{B} 17'07	0.62978 AU
min. Earth dist.	6963 May 31 19:51	7° \mathbb{I} 25'57	0.60811 AU	morning rise	6964 May 16 20:23	17° \mathbb{B} 04'36	
morning rise	6963 Jun 04 10:18	4° \mathbb{I} 34'35		direct	6964 May 23 15:37	14° \mathbb{B} 29'30	
desc. node	6963 Jun 07 18:37	2° \mathbb{I} 55'43		desc. node	6964 May 24 15:39	14° \mathbb{B} 32'38	
direct	6963 Jun 11 01:22	2° \mathbb{I} 23'54		morning max el	6964 Jun 06 15:41	22° \mathbb{B} 31'47	27°49'51
morning max el	6963 Jun 25 08:20	10° \mathbb{I} 21'30	27°50'03		6964 Jun 13 05:39	0° \mathbb{I}	
	6963 Jul 10 14:37	0° \mathbb{E}			6964 Jul 02 19:49	0° \mathbb{E}	
	6963 Jul 27 07:51	0° \mathbb{Q}		morning set	6964 Jul 10 23:24	15° \mathbb{E} 30'18	
morning set	6963 Jul 28 00:55	1° \mathbb{Q} 27'45		asc. node	6964 Jul 16 05:50	26° \mathbb{E} 26'35	
asc. node	6963 Jul 30 08:50	6° \mathbb{Q} 20'59		max. Earth dist.	6964 Jul 16 06:16	26° \mathbb{E} 28'50	1.32501 AU
max. Earth dist.	6963 Aug 03 01:14	14° \mathbb{Q} 18'56	1.31913 AU		6964 Jul 17 21:37	0° \mathbb{Q}	
superior conj	6963 Aug 04 07:53	17° \mathbb{Q} 07'19	0°49'13	superior conj	6964 Jul 18 16:06	1° \mathbb{Q} 39'59	0°24'45
minimum elong	6963 Aug 04 05:55	16° \mathbb{Q} 56'32	0°48'47	minimum elong	6964 Jul 18 14:57	1° \mathbb{Q} 33'47	0°24'27
	6963 Aug 10 04:43	0° \mathbb{P}		evening rise	6964 Jul 25 14:20	16° \mathbb{Q} 41'26	
evening rise	6963 Aug 11 02:38	1° \mathbb{P} 57'46			6964 Aug 01 03:34	0° \mathbb{P}	
	6963 Aug 26 04:08	0° \mathbb{A}		evening max el	6964 Aug 18 06:47	24° \mathbb{P} 57'51	23°38'09
desc. node	6963 Sep 03 17:44	11° \mathbb{A} 24'34		desc. node	6964 Aug 20 14:47	27° \mathbb{P} 02'58	
evening max el	6963 Sep 06 18:53	14° \mathbb{A} 34'25	25°13'13		6964 Aug 25 00:32	0° \mathbb{A}	
retrograde	6963 Sep 20 16:28	21° \mathbb{A} 36'04		retrograde	6964 Aug 31 21:26	1° \mathbb{A} 47'19	

evening set	6964 Sep 05 05:16	1°♄06'15			6965 Jul 09 10:18	0°♄	
	6964 Sep 08 00:50	30°♄00'00		evening rise	6965 Jul 10 01:20	1°♄19'22	
min. Earth dist.	6964 Sep 11 16:48	28°♄01'38	0.55832 AU		6965 Jul 26 06:20	0°♄	
inferior conj	6964 Sep 13 18:37	26°♄47'10	-5°23'42	evening max el	6965 Jul 30 21:20	5°♄16'52	22°00'38
minimum elong	6964 Sep 13 15:33	26°♄51'46	5°23'29	desc. node	6965 Aug 07 11:50	10°♄34'13	
morning rise	6964 Sep 22 04:10	22°♄53'01		retrograde	6965 Aug 12 14:35	11°♄35'41	
direct	6964 Sep 25 00:23	22°♄32'58		evening set	6965 Aug 15 11:25	11°♄17'21	
morning max el	6964 Oct 05 09:59	27°♄24'29	20°10'53	min. Earth dist.	6965 Aug 24 02:06	7°♄34'40	0.54869 AU
	6964 Oct 07 21:33	0°♄		inferior conj	6965 Aug 24 15:58	7°♄15'12	-4°34'49
asc. node	6964 Oct 12 05:14	5°♄44'07		minimum elong	6965 Aug 24 07:13	7°♄27'29	4°32'53
morning set	6964 Oct 23 17:54	26°♄49'00		morning rise	6965 Sep 02 04:28	3°♄25'53	
	6964 Oct 25 07:12	0°♄		direct	6965 Sep 05 12:42	3°♄01'06	
				morning max el	6965 Sep 17 12:04	8°♄38'30	21°39'11
superior conj	6964 Oct 31 09:27	12°♄27'28	1°37'13	asc. node	6965 Sep 29 02:15	24°♄07'45	
minimum elong	6964 Oct 31 11:09	12°♄36'00	1°37'10		6965 Oct 02 08:18	0°♄	
max. Earth dist.	6964 Nov 05 21:56	23°♄16'50	1.36703 AU	morning set	6965 Oct 08 03:17	11°♄35'51	
evening rise	6964 Nov 09 17:41	0°♄23'39					
	6964 Nov 09 12:29	0°♄		superior conj	6965 Oct 15 08:37	26°♄49'36	1°42'08
desc. node	6964 Nov 16 13:53	12°♄19'29		minimum elong	6965 Oct 15 08:54	26°♄51'04	1°42'10
	6964 Nov 27 21:58	0°♄			6965 Oct 16 21:15	0°♄	
evening max el	6964 Dec 15 09:22	21°♄45'03	25°49'12	max. Earth dist.	6965 Oct 19 10:00	5°♄09'55	1.34887 AU
retrograde	6964 Dec 27 20:01	28°♄51'47		evening rise	6965 Oct 23 17:11	13°♄36'16	
evening set	6965 Jan 02 21:15	26°♄22'25			6965 Nov 01 20:28	0°♄	
min. Earth dist.	6965 Jan 07 04:34	21°♄44'00	0.67071 AU	desc. node	6965 Nov 03 10:56	2°♄39'53	
asc. node	6965 Jan 08 04:32	20°♄28'26			6965 Nov 22 19:32	0°♄	
inferior conj	6965 Jan 08 14:16	19°♄57'35	0°08'12	evening max el	6965 Nov 27 22:32	5°♄26'47	26°45'57
minimum elong	6965 Jan 08 14:04	19°♄58'16	0°08'11	retrograde	6965 Dec 11 00:54	12°♄43'54	
transit middle	6965 Jan 08 14:04	19°♄58'16	0°08'11	evening set	6965 Dec 17 14:11	10°♄07'28	
transit begin	6965 Jan 08 11:37	20°♄05'59		min. Earth dist.	6965 Dec 21 15:16	6°♄03'46	0.65950 AU
transit end	6965 Jan 08 16:30	19°♄50'34		inferior conj	6965 Dec 23 12:28	3°♄51'11	-0°51'40
morning rise	6965 Jan 14 07:22	14°♄06'19		minimum elong	6965 Dec 23 13:56	3°♄46'53	0°50'58
direct	6965 Jan 17 13:31	13°♄05'34		asc. node	6965 Dec 26 01:34	1°♄00'12	
morning max el	6965 Jan 24 10:07	16°♄51'49	18°58'47		6965 Dec 27 02:23	30°♄27'00	
	6965 Feb 03 12:18	0°♄		morning rise	6965 Dec 29 14:37	28°♄10'47	
desc. node	6965 Feb 12 13:14	13°♄49'09		direct	6966 Jan 01 11:04	27°♄25'44	
morning set	6965 Feb 15 23:29	19°♄09'01			6966 Jan 06 23:26	0°♄	
	6965 Feb 22 22:30	0°♄		morning max el	6966 Jan 07 23:19	0°♄55'48	18°18'12
max. Earth dist.	6965 Mar 02 10:28	11°♄44'08	1.45171 AU	morning set	6966 Jan 27 07:29	29°♄18'38	
					6966 Jan 27 17:46	0°♄	
superior conj	6965 Mar 04 13:37	15°♄05'21	-1°54'30	desc. node	6966 Jan 30 10:14	4°♄18'47	
minimum elong	6965 Mar 04 05:25	14°♄33'02	1°53'54				
	6965 Mar 13 22:25	0°♄		superior conj	6966 Feb 11 17:35	23°♄49'03	-1°20'07
evening rise	6965 Mar 19 12:25	9°♄02'44		minimum elong	6966 Feb 11 08:35	23°♄13'43	1°19'03
	6965 Apr 01 14:15	0°♄		max. Earth dist.	6966 Feb 13 05:33	26°♄10'01	1.45436 AU
asc. node	6965 Apr 06 03:40	6°♄20'22			6966 Feb 15 16:19	0°♄	
evening max el	6965 Apr 08 17:57	9°♄17'10	18°32'40	evening rise	6966 Feb 27 19:19	18°♄57'37	
retrograde	6965 Apr 15 06:28	12°♄50'51			6966 Mar 06 20:39	0°♄	
evening set	6965 Apr 18 10:13	11°♄54'54		greatest brilliancy	6966 Mar 10 19:49	6°♄08'09	-0.8m
inferior conj	6965 Apr 24 03:54	6°♄21'49	3°26'14	evening max el	6966 Mar 23 03:01	22°♄50'57	19°12'19
minimum elong	6965 Apr 24 04:23	6°♄20'22	3°26'11	asc. node	6966 Mar 24 00:44	23°♄43'40	
min. Earth dist.	6965 Apr 26 06:09	3°♄51'49	0.64874 AU	retrograde	6966 Mar 30 02:32	26°♄47'43	
morning rise	6965 Apr 29 21:47	0°♄06'57		evening set	6966 Apr 02 13:45	25°♄37'38	
	6965 Apr 30 01:07	30°♄01'00		inferior conj	6966 Apr 08 01:31	19°♄48'36	3°24'35
direct	6965 May 06 13:52	27°♄19'40		minimum elong	6966 Apr 08 00:43	19°♄51'11	3°24'30
desc. node	6965 May 11 12:39	28°♄36'37		min. Earth dist.	6966 Apr 09 12:21	17°♄56'31	0.66378 AU
	6965 May 13 21:50	0°♄		morning rise	6966 Apr 13 11:19	13°♄32'07	
morning max el	6965 May 20 01:34	5°♄15'08	27°14'42	direct	6966 Apr 19 18:41	10°♄45'32	
	6965 Jun 07 21:29	0°♄		desc. node	6966 Apr 28 09:40	14°♄36'38	
morning set	6965 Jun 24 12:55	29°♄03'48		morning max el	6966 May 02 11:34	18°♄19'49	26°11'53
	6965 Jun 25 00:27	0°♄			6966 May 12 07:23	0°♄	
max. Earth dist.	6965 Jun 29 02:42	8°♄11'46	1.33562 AU		6966 May 31 21:35	0°♄	
				morning set	6966 Jun 07 13:48	11°♄57'36	
superior conj	6965 Jul 02 19:37	15°♄54'42	-0°03'07	max. Earth dist.	6966 Jun 11 12:12	19°♄26'56	1.35104 AU
minimum elong	6965 Jul 02 19:46	15°♄55'35	0°03'09				
behind sun begin	6965 Jul 02 14:19	15°♄26'45		superior conj	6966 Jun 16 15:58	29°♄44'13	-0°33'19
behind sun end	6965 Jul 03 01:14	16°♄24'27		minimum elong	6966 Jun 16 17:51	29°♄53'52	0°33'01
asc. node	6965 Jul 03 02:52	16°♄33'07			6966 Jun 16 19:03	0°♄	

asc. node	6966 Jun 19 23:54	6°♄36'11		asc. node	6967 Jun 06 20:58	26°♄32'04	
evening rise	6966 Jun 24 09:36	15°♄45'09		evening rise	6967 Jun 08 12:49	29°♄52'13	
	6966 Jul 01 15:55	0°♄			6967 Jun 08 14:22	0°♄	
evening max el	6966 Jul 12 22:02	16°♄02'17	20°34'21	evening max el	6967 Jun 25 11:39	27°♄30'12	19°26'43
retrograde	6966 Jul 24 02:38	21°♄33'10			6967 Jun 28 11:45	0°♄	
desc. node	6966 Jul 25 08:54	21°♄29'14		retrograde	6967 Jul 04 23:04	2°♄09'55	
evening set	6966 Jul 26 03:30	21°♄23'00		evening set	6967 Jul 06 20:26	1°♄59'36	
inferior conj	6966 Aug 04 09:00	17°♄26'02	-2°57'18	desc. node	6967 Jul 12 05:56	29°♄53'22	
minimum elong	6966 Aug 04 01:03	17°♄37'28	2°54'37		6967 Jul 12 01:09	30°♄♄	
min. Earth dist.	6966 Aug 05 12:20	16°♄46'43	0.54828 AU	inferior conj	6967 Jul 15 12:27	27°♄53'01	-0°59'32
morning rise	6966 Aug 12 22:06	13°♄22'04		minimum elong	6967 Jul 15 09:46	27°♄57'20	0°58'34
direct	6966 Aug 16 21:59	12°♄47'47		min. Earth dist.	6967 Jul 18 01:15	26°♄15'17	0.55733 AU
morning max el	6966 Aug 30 04:16	19°♄11'52	23°21'48	morning rise	6967 Jul 23 20:31	23°♄16'52	
	6966 Sep 08 03:26	0°♄		direct	6967 Jul 28 15:58	22°♄24'44	
asc. node	6966 Sep 15 23:16	13°♄06'15		morning max el	6967 Aug 11 17:15	29°♄28'50	25°05'35
morning set	6966 Sep 22 14:40	26°♄26'45			6967 Aug 12 06:10	0°♄	
	6966 Sep 24 06:40	0°♄			6967 Sep 01 13:35	0°♄	
				asc. node	6967 Sep 02 20:18	2°♄30'47	
superior conj	6966 Sep 29 14:14	11°♄28'55	1°40'16	morning set	6967 Sep 07 02:22	11°♄16'47	
minimum elong	6966 Sep 29 13:18	11°♄23'55	1°40'15				
max. Earth dist.	6966 Oct 02 06:40	17°♄12'34	1.33455 AU	superior conj	6967 Sep 13 23:50	26°♄18'02	1°32'28
evening rise	6966 Oct 07 05:42	27°♄23'56		minimum elong	6967 Sep 13 22:03	26°♄08'14	1°32'18
	6966 Oct 08 13:20	0°♄		max. Earth dist.	6967 Sep 15 11:02	29°♄30'28	1.32453 AU
desc. node	6966 Oct 21 07:59	22°♄40'16			6967 Sep 15 16:27	0°♄	
	6966 Oct 26 02:49	0°♄		evening rise	6967 Sep 21 03:45	11°♄37'13	
evening max el	6966 Nov 10 11:13	18°♄53'40	27°20'39		6967 Sep 30 18:33	0°♄	
retrograde	6966 Nov 23 23:32	26°♄12'13		desc. node	6967 Oct 08 05:02	12°♄12'12	
evening set	6966 Nov 30 22:23	23°♄35'21			6967 Oct 21 23:54	0°♄	
min. Earth dist.	6966 Dec 04 18:00	20°♄05'30	0.64484 AU	evening max el	6967 Oct 23 21:23	1°♄52'31	27°26'49
inferior conj	6966 Dec 07 02:55	17°♄33'22	-1°56'26	retrograde	6967 Nov 06 15:27	9°♄07'52	
minimum elong	6966 Dec 07 06:26	17°♄23'57	1°54'57	evening set	6967 Nov 13 18:50	6°♄39'38	
asc. node	6966 Dec 12 22:37	12°♄27'59		min. Earth dist.	6967 Nov 17 10:47	3°♄39'38	0.62702 AU
morning rise	6966 Dec 13 15:54	12°♄06'58		inferior conj	6967 Nov 20 06:47	0°♄57'08	-3°03'33
direct	6966 Dec 16 04:51	11°♄33'49		minimum elong	6967 Nov 20 12:21	0°♄43'46	3°01'31
morning max el	6966 Dec 22 15:56	14°♄57'33	17°54'40		6967 Nov 21 06:52	30°♄♄	
	6967 Jan 02 08:11	0°♄		morning rise	6967 Nov 27 07:46	25°♄48'12	
morning set	6967 Jan 08 20:41	10°♄54'44		direct	6967 Nov 29 15:43	25°♄23'18	
desc. node	6967 Jan 17 07:14	24°♄57'38		asc. node	6967 Nov 29 19:40	25°♄23'26	
	6967 Jan 20 09:29	0°♄		morning max el	6967 Dec 06 08:54	28°♄49'43	17°48'45
					6967 Dec 07 11:36	0°♄	
superior conj	6967 Jan 22 08:17	3°♄08'43	-0°35'24	morning set	6967 Dec 22 09:30	23°♄38'35	
minimum elong	6967 Jan 22 04:08	2°♄52'04	0°34'46		6967 Dec 26 00:04	0°♄	
max. Earth dist.	6967 Jan 27 01:09	10°♄38'13	1.44954 AU				
evening rise	6967 Feb 07 09:44	28°♄18'43		superior conj	6968 Jan 02 22:52	13°♄39'07	0°08'51
	6967 Feb 08 12:08	0°♄		minimum elong	6968 Jan 02 23:44	13°♄42'48	0°08'47
greatest brilliancy	6967 Feb 22 04:42	20°♄37'49	-0.6m	behind sun begin	6968 Jan 02 16:04	13°♄10'37	
	6967 Feb 28 21:03	0°♄		behind sun end	6968 Jan 03 07:24	14°♄14'55	
evening max el	6967 Mar 06 07:12	6°♄27'02	20°07'36	desc. node	6968 Jan 04 04:14	15°♄41'51	
asc. node	6967 Mar 10 21:48	10°♄06'18		max. Earth dist.	6968 Jan 09 18:08	24°♄50'04	1.43788 AU
retrograde	6967 Mar 14 00:45	10°♄56'49			6968 Jan 12 23:43	0°♄	
evening set	6967 Mar 17 20:26	9°♄31'59		evening rise	6968 Jan 17 21:20	7°♄40'21	
inferior conj	6967 Mar 23 05:01	3°♄28'54	3°10'15		6968 Feb 01 18:55	0°♄	
minimum elong	6967 Mar 23 03:17	3°♄34'46	3°09'57	evening max el	6968 Feb 17 05:46	20°♄03'40	21°15'43
min. Earth dist.	6967 Mar 24 01:25	2°♄19'55	0.67443 AU	retrograde	6968 Feb 25 22:58	25°♄13'04	
	6967 Mar 25 20:26	30°♄♄		asc. node	6968 Feb 25 18:51	25°♄12'54	
morning rise	6967 Mar 28 09:56	27°♄13'17		evening set	6968 Mar 01 04:20	23°♄33'11	
direct	6967 Apr 03 04:59	24°♄37'59		inferior conj	6968 Mar 06 11:58	17°♄18'31	2°45'24
	6967 Apr 13 04:59	0°♄		minimum elong	6968 Mar 06 09:44	17°♄26'15	2°44'52
morning max el	6967 Apr 14 20:43	1°♄36'30	24°50'53	min. Earth dist.	6968 Mar 06 19:16	16°♄53'12	0.68074 AU
desc. node	6967 Apr 15 06:41	2°♄01'59		morning rise	6968 Mar 11 14:58	11°♄05'19	
	6967 May 06 08:14	0°♄		direct	6968 Mar 16 20:02	8°♄48'20	
morning set	6967 May 20 21:21	23°♄59'09		morning max el	6968 Mar 27 05:59	14°♄59'55	23°21'40
	6967 May 24 05:25	0°♄		desc. node	6968 Apr 01 03:40	20°♄28'19	
max. Earth dist.	6967 May 24 12:15	0°♄31'22	1.37056 AU		6968 Apr 08 11:37	0°♄	
					6968 Apr 28 07:20	0°♄	
superior conj	6967 May 31 02:07	13°♄00'35	-1°04'19	morning set	6968 May 01 05:46	4°♄52'39	
minimum elong	6967 May 31 05:54	13°♄19'07	1°03'44	max. Earth dist.	6968 May 05 08:02	11°♄53'20	1.39251 AU

superior conj	6968 May 12 22:05	25°♄33'12	-1°33'35	superior conj	6969 Apr 24 23:21	7°♄12'05	-1°57'15
minimum elong	6968 May 13 03:21	25°♄57'40	1°32'58	minimum elong	6969 Apr 25 04:27	7°♄34'35	1°56'55
	6968 May 15 06:59	0°♄		evening rise	6969 May 05 15:31	26°♄35'02	
evening rise	6968 May 22 07:58	13°♄31'45			6969 May 07 11:55	0°♄	
asc. node	6968 May 23 18:00	16°♄15'37		asc. node	6969 May 10 15:01	5°♄42'00	
	6968 May 31 07:36	0°♄		evening max el	6969 May 21 20:45	22°♄22'20	18°13'11
evening max el	6968 Jun 07 12:23	9°♄39'31	18°39'48	retrograde	6969 May 28 21:10	25°♄54'03	
retrograde	6968 Jun 15 12:50	13°♄37'37		evening set	6969 May 31 07:00	25°♄29'49	
evening set	6968 Jun 17 15:16	13°♄22'12		inferior conj	6969 Jun 07 08:24	20°♄45'09	2°04'47
inferior conj	6968 Jun 25 11:40	8°♄57'50	0°46'25	minimum elong	6969 Jun 07 11:37	20°♄38'04	2°03'48
minimum elong	6968 Jun 25 13:22	8°♄54'38	0°45'44	min. Earth dist.	6969 Jun 10 17:48	17°♄47'24	0.59522 AU
desc. node	6968 Jun 28 02:59	6°♄58'32		morning rise	6969 Jun 14 13:17	15°♄02'24	
min. Earth dist.	6968 Jun 28 18:31	6°♄30'18	0.57400 AU	desc. node	6969 Jun 15 00:01	14°♄47'14	
morning rise	6968 Jul 03 08:00	3°♄44'40		direct	6969 Jun 20 22:24	13°♄09'04	
direct	6968 Jul 09 00:19	2°♄24'28		morning max el	6969 Jul 05 07:19	21°♄00'59	27°32'48
morning max el	6968 Jul 23 09:15	9°♄58'09	26°33'59		6969 Jul 13 02:09	0°♄	
	6968 Aug 07 16:32	0°♄			6969 Jul 31 14:05	0°♄	
asc. node	6968 Aug 19 17:19	22°♄13'56		morning set	6969 Aug 05 20:02	10°♄33'38	
morning set	6968 Aug 21 12:44	26°♄00'58		asc. node	6969 Aug 06 14:18	12°♄09'38	
	6968 Aug 23 09:23	0°♄					
superior conj	6968 Aug 28 11:23	11°♄10'28	1°19'23	superior conj	6969 Aug 12 23:02	25°♄59'53	1°01'31
minimum elong	6968 Aug 28 09:10	10°♄58'10	1°19'04	minimum elong	6969 Aug 12 20:51	25°♄47'45	1°01'05
max. Earth dist.	6968 Aug 28 20:15	11°♄59'33	1.31891 AU	max. Earth dist.	6969 Aug 12 06:48	24°♄30'06	1.31772 AU
evening rise	6968 Sep 04 08:29	26°♄08'06			6969 Aug 14 18:26	0°♄	
	6968 Sep 06 05:06	0°♄		evening rise	6969 Aug 19 17:30	10°♄49'08	
	6968 Sep 23 08:03	0°♄			6969 Aug 29 11:13	0°♄	
desc. node	6968 Sep 24 02:05	1°♄04'19		desc. node	6969 Sep 10 23:08	19°♄00'08	
evening max el	6968 Oct 05 02:30	14°♄10'55	27°00'09	evening max el	6969 Sep 17 00:22	25°♄40'19	26°00'24
retrograde	6968 Oct 18 23:54	21°♄21'39			6969 Sep 22 11:26	0°♄	
evening set	6968 Oct 25 23:39	19°♄13'33		retrograde	6969 Sep 30 23:10	2°♄45'43	
min. Earth dist.	6968 Oct 29 16:56	16°♄33'45	0.60688 AU	evening set	6969 Oct 07 07:51	1°♄09'01	
inferior conj	6968 Nov 01 20:46	13°♄54'15	-4°08'04		6969 Oct 09 09:25	30°♄	
minimum elong	6968 Nov 02 03:37	13°♄39'48	4°06'07	min. Earth dist.	6969 Oct 11 13:13	28°♄33'54	0.58609 AU
morning rise	6968 Nov 09 09:50	9°♄05'54		inferior conj	6969 Oct 14 17:22	26°♄14'33	-5°00'57
direct	6968 Nov 11 15:50	8°♄45'59		minimum elong	6969 Oct 14 23:12	26°♄03'49	4°59'56
asc. node	6968 Nov 15 16:41	9°♄53'08		morning rise	6969 Oct 22 16:51	21°♄48'43	
morning max el	6968 Nov 18 22:57	12°♄23'52	18°01'32	direct	6969 Oct 25 00:58	21°♄30'43	
	6968 Nov 30 17:41	0°♄		morning max el	6969 Nov 02 06:27	25°♄29'18	18°34'28
morning set	6968 Dec 04 15:29	7°♄11'07		asc. node	6969 Nov 02 13:42	25°♄47'01	
					6969 Nov 06 03:22	0°♄	
superior conj	6968 Dec 14 15:12	25°♄24'12	0°45'45	morning set	6969 Nov 18 09:24	21°♄16'25	
minimum elong	6968 Dec 14 18:31	25°♄38'51	0°45'21		6969 Nov 22 21:39	0°♄	
	6968 Dec 17 06:13	0°♄		superior conj	6969 Nov 27 05:04	8°♄10'29	1°13'04
desc. node	6968 Dec 21 01:14	6°♄28'16		minimum elong	6969 Nov 27 08:34	8°♄26'50	1°12'43
max. Earth dist.	6968 Dec 22 06:09	8°♄29'12	1.42076 AU	max. Earth dist.	6969 Dec 04 13:21	21°♄26'01	1.40029 AU
evening rise	6968 Dec 27 21:09	17°♄39'12		desc. node	6969 Dec 07 22:15	27°♄12'38	
	6969 Jan 04 19:49	0°♄		evening rise	6969 Dec 08 17:46	28°♄34'35	
	6969 Jan 26 13:44	0°♄			6969 Dec 09 14:17	0°♄	
evening max el	6969 Jan 29 23:25	3°♄42'41	22°32'31		6969 Dec 29 08:22	0°♄	
retrograde	6969 Feb 08 19:26	9°♄33'06		evening max el	6970 Jan 12 13:51	17°♄25'15	23°52'38
asc. node	6969 Feb 11 15:54	8°♄51'21		retrograde	6970 Jan 23 12:41	23°♄52'07	
evening set	6969 Feb 13 11:51	7°♄38'07		evening set	6970 Jan 28 17:25	21°♄42'28	
inferior conj	6969 Feb 18 20:22	1°♄15'12	2°11'30	asc. node	6970 Jan 29 12:56	20°♄57'57	
minimum elong	6969 Feb 18 18:04	1°♄23'08	2°10'49	min. Earth dist.	6970 Feb 02 12:19	16°♄09'37	0.68118 AU
min. Earth dist.	6969 Feb 18 15:42	1°♄31'23	0.68294 AU	inferior conj	6970 Feb 03 04:18	15°♄15'16	1°29'27
	6969 Feb 19 18:07	30°♄		minimum elong	6970 Feb 03 02:26	15°♄21'38	1°28'48
morning rise	6969 Feb 24 00:10	25°♄05'49		morning rise	6970 Feb 08 11:26	9°♄11'24	
direct	6969 Feb 28 14:57	23°♄10'38		direct	6970 Feb 12 12:35	7°♄38'42	
morning max el	6969 Mar 09 18:21	28°♄31'20	21°53'50	morning max el	6970 Feb 20 13:09	12°♄13'36	20°34'55
	6969 Mar 11 04:21	0°♄		desc. node	6970 Mar 05 21:39	29°♄21'43	
desc. node	6969 Mar 19 00:40	9°♄39'05			6970 Mar 06 08:16	0°♄	
	6969 Apr 02 03:49	0°♄		morning set	6970 Mar 21 14:25	22°♄57'23	
morning set	6969 Apr 11 10:26	14°♄27'52			6970 Mar 26 02:18	0°♄	
max. Earth dist.	6969 Apr 17 06:26	24°♄00'07	1.41439 AU	max. Earth dist.	6970 Mar 30 12:15	7°♄03'12	1.43332 AU
	6969 Apr 20 19:44	0°♄					
				superior conj	6970 Apr 06 01:24	17°♄48'02	-2°10'01

minimum elong	6970 Apr 06 03:07	17° Υ 55'13	2°10'02	superior conj	6971 Mar 17 02:27	27° X 18'51	-2°05'59
	6970 Apr 13 05:23	0° B		minimum elong	6971 Mar 16 21:36	26° X 59'29	2°05'47
evening rise	6970 Apr 18 07:10	8° B 52'44			6971 Mar 18 18:36	0° Υ	
asc. node	6970 Apr 27 12:03	24° B 45'26		evening rise	6971 Mar 31 02:23	20° Υ 15'50	
	6970 Apr 30 21:53	0° II			6971 Apr 05 22:01	0° B	
evening max el	6970 May 05 09:08	5° II 29'27	18°06'03	asc. node	6971 Apr 14 09:07	13° B 17'59	
retrograde	6970 May 11 20:59	8° II 50'42		evening max el	6971 Apr 18 22:13	18° B 51'42	18°17'42
evening set	6970 May 14 14:01	8° II 15'06		retrograde	6971 Apr 25 07:49	22° B 17'05	
inferior conj	6970 May 20 23:56	3° II 10'22	2°54'27	evening set	6971 Apr 28 07:40	21° B 28'42	
minimum elong	6970 May 21 02:37	3° II 03'33	2°53'52	inferior conj	6971 May 04 06:10	16° B 05'16	3°20'12
min. Earth dist.	6970 May 24 00:53	0° II 07'10	0.61757 AU	minimum elong	6971 May 04 07:29	16° B 01'29	3°20'01
	6970 May 24 03:52	30° R B		min. Earth dist.	6971 May 06 17:08	13° B 18'41	0.63828 AU
morning rise	6970 May 27 13:18	27° B 08'44		morning rise	6971 May 10 06:15	9° B 53'25	
desc. node	6970 Jun 01 21:02	24° B 52'23		direct	6971 May 17 00:57	7° B 11'51	
direct	6970 Jun 03 07:21	24° B 46'10		desc. node	6971 May 19 18:03	7° B 34'53	
	6970 Jun 14 11:34	0° II		morning max el	6971 May 30 20:17	15° B 11'53	27°38'54
morning max el	6970 Jun 17 11:36	2° II 46'37	27°54'34		6971 Jun 11 22:07	0° II	
	6970 Jul 07 13:08	0° B			6971 Jun 30 05:28	0° B	
morning set	6970 Jul 20 22:24	24° B 49'12		morning set	6971 Jul 04 17:24	8° B 39'56	
	6970 Jul 23 10:13	0° Ω		max. Earth dist.	6971 Jul 09 16:57	18° B 51'05	1.32898 AU
asc. node	6970 Jul 24 11:18	2° Ω 13'03		asc. node	6971 Jul 11 08:19	22° B 19'18	
max. Earth dist.	6970 Jul 26 15:01	6° Ω 51'21	1.32103 AU				
				superior conj	6971 Jul 12 15:31	25° B 06'06	0°13'19
superior conj	6970 Jul 28 09:04	10° Ω 40'38	0°39'19	minimum elong	6971 Jul 12 14:52	25° B 02'37	0°13'06
minimum elong	6970 Jul 28 07:23	10° Ω 31'28	0°38'55	behind sun begin	6971 Jul 12 11:47	24° B 46'00	
evening rise	6970 Aug 04 04:47	25° Ω 34'02		behind sun end	6971 Jul 12 17:58	25° B 19'14	
	6970 Aug 06 07:11	0° B			6971 Jul 14 22:01	0° Ω	
	6970 Aug 23 22:03	0° B		evening rise	6971 Jul 19 16:26	10° Ω 15'55	
desc. node	6970 Aug 28 20:11	5° B 37'16			6971 Jul 29 19:38	0° B	
evening max el	6970 Aug 29 14:59	6° B 23'27	24°34'19	evening max el	6971 Aug 11 02:50	16° B 39'51	22°55'59
retrograde	6970 Sep 12 10:51	13° B 20'42		desc. node	6971 Aug 15 17:14	20° B 25'29	
evening set	6970 Sep 17 15:32	12° B 20'34		retrograde	6971 Aug 24 09:57	23° B 18'30	
min. Earth dist.	6970 Sep 23 02:04	9° B 31'48	0.56720 AU	evening set	6971 Aug 28 02:17	22° B 48'51	
inferior conj	6970 Sep 25 17:58	7° B 49'57	-5°27'29	min. Earth dist.	6971 Sep 04 11:11	19° B 29'55	0.55326 AU
minimum elong	6970 Sep 25 19:02	7° B 48'15	5°27'27	inferior conj	6971 Sep 05 23:15	18° B 38'03	-5°09'43
morning rise	6970 Oct 04 00:45	3° B 45'50		minimum elong	6971 Sep 05 17:14	18° B 46'44	5°08'55
direct	6970 Oct 06 15:37	3° B 27'02		morning rise	6971 Sep 14 10:19	14° B 48'23	
morning max el	6970 Oct 16 03:57	7° B 56'08	19°29'13	direct	6971 Sep 17 11:31	14° B 26'37	
asc. node	6970 Oct 20 10:42	12° B 50'29		morning max el	6971 Sep 28 13:02	19° B 36'18	20°46'12
	6970 Oct 30 13:59	0° B			6971 Oct 06 19:32	0° B	
morning set	6970 Nov 02 11:27	5° B 43'59		asc. node	6971 Oct 07 07:43	0° B 48'11	
				morning set	6971 Oct 17 18:48	20° B 25'32	
superior conj	6970 Nov 10 11:18	21° B 43'54	1°30'53		6971 Oct 22 09:19	0° B	
minimum elong	6970 Nov 10 13:48	21° B 56'08	1°30'44				
	6970 Nov 14 18:30	0° B		superior conj	6971 Oct 25 05:22	5° B 51'16	1°40'11
max. Earth dist.	6970 Nov 16 18:50	3° B 44'56	1.37892 AU	minimum elong	6971 Oct 25 06:27	5° B 56'50	1°40'11
evening rise	6970 Nov 20 12:34	10° B 29'13		max. Earth dist.	6971 Oct 30 03:12	15° B 41'06	1.35892 AU
desc. node	6970 Nov 24 19:16	17° B 51'18		evening rise	6971 Nov 03 02:41	23° B 15'46	
	6970 Dec 02 08:10	0° B			6971 Nov 06 19:47	0° B	
	6970 Dec 24 22:46	0° \approx		desc. node	6971 Nov 11 16:19	8° B 19'56	
evening max el	6970 Dec 26 02:57	1° \approx 10'57	25°09'22		6971 Nov 26 00:57	0° B	
retrograde	6971 Jan 07 01:38	8° \approx 05'29		evening max el	6971 Dec 08 15:53	14° B 55'57	26°15'31
evening set	6971 Jan 12 19:29	5° \approx 42'30		retrograde	6971 Dec 21 09:37	22° B 07'55	
asc. node	6971 Jan 16 09:59	1° \approx 50'34		evening set	6971 Dec 27 16:21	19° B 34'42	
min. Earth dist.	6971 Jan 17 06:49	0° \approx 44'10	0.67565 AU	min. Earth dist.	6971 Dec 31 20:55	15° B 11'20	0.66643 AU
	6971 Jan 17 20:24	30° R B		inferior conj	6972 Jan 02 11:32	13° B 13'03	-0°16'28
inferior conj	6971 Jan 18 09:59	29° B 15'37	0°39'53	minimum elong	6972 Jan 02 11:58	13° B 11'42	0°16'13
minimum elong	6971 Jan 18 09:01	29° B 18'46	0°39'33	asc. node	6972 Jan 03 07:02	12° B 13'41	
morning rise	6971 Jan 23 22:48	23° B 19'10		morning rise	6972 Jan 08 08:15	7° B 26'19	
direct	6971 Jan 27 11:30	22° B 07'29		direct	6972 Jan 11 10:06	6° B 32'40	
morning max el	6971 Feb 03 16:00	26° B 07'36	19°29'24	morning max el	6972 Jan 18 02:08	10° B 10'20	18°39'31
	6971 Feb 07 02:53	0° \approx			6972 Feb 01 09:25	0° \approx	
greatest brilliancy	6971 Feb 16 14:29	13° \approx 11'12	-0.7m	desc. node	6972 Feb 07 15:36	9° \approx 50'01	
desc. node	6971 Feb 20 18:37	19° \approx 27'25		morning set	6972 Feb 08 03:34	10° \approx 37'07	
	6971 Feb 27 15:58	0° X			6972 Feb 20 11:46	0° X	
morning set	6971 Feb 28 12:01	1° X 17'18					
max. Earth dist.	6971 Mar 13 01:36	20° X 53'37	1.44696 AU	superior conj	6972 Feb 24 09:22	6° X 06'31	-1°41'51

minimum elong	6972 Feb 23 23:54	5° H 29'26	1°40'58		6973 Jan 05 10:55	0° Z	
max. Earth dist.	6972 Feb 23 19:36	5° H 12'36	1.45376 AU	morning set	6973 Jan 19 00:22	21° Z 25'01	
	6972 Mar 10 11:56	0° Y			6973 Jan 24 06:38	0° \approx	
evening rise	6972 Mar 10 22:21	0° Y 41'37		desc. node	6973 Jan 24 12:36	0° \approx 24'10	
greatest brilliancy	6972 Mar 18 20:12	13° Y 20'03	-0.9m				
	6972 Mar 30 06:04	0° B		superior conj	6973 Feb 02 15:40	15° \approx 00'01	-1°01'44
asc. node	6972 Mar 31 06:11	1° B 10'15		minimum elong	6973 Feb 02 08:21	14° \approx 31'07	1°00'45
evening max el	6972 Apr 01 09:20	2° B 22'42	18°47'26	max. Earth dist.	6973 Feb 05 15:01	19° \approx 40'53	1.45316 AU
retrograde	6972 Apr 08 01:37	6° B 05'07			6973 Feb 12 05:33	0° H	
evening set	6972 Apr 11 08:26	5° B 03'10		evening rise	6973 Feb 18 20:58	10° H 18'38	
	6972 Apr 16 11:09	30° R Y			6973 Mar 03 17:01	0° Y	
inferior conj	6972 Apr 16 23:12	29° Y 22'48	3°27'17	greatest brilliancy	6973 Mar 03 20:05	0° Y 11'30	-0.7m
minimum elong	6972 Apr 16 23:06	29° Y 23'06	3°27'15	evening max el	6973 Mar 15 16:23	15° Y 57'24	19°34'02
min. Earth dist.	6972 Apr 18 18:44	27° Y 08'07	0.65563 AU	asc. node	6973 Mar 18 03:16	18° Y 09'31	
morning rise	6972 Apr 22 13:14	23° Y 06'41		retrograde	6973 Mar 22 22:59	20° Y 07'36	
direct	6972 Apr 29 01:59	20° Y 18'32		evening set	6973 Mar 26 13:34	18° Y 51'28	
desc. node	6972 May 05 15:04	22° Y 32'32		inferior conj	6973 Mar 31 23:41	12° Y 56'07	3°19'53
morning max el	6972 May 12 06:44	28° Y 06'51	26°50'54	minimum elong	6973 Mar 31 22:26	13° Y 00'15	3°19'44
	6972 May 14 01:52	0° B		min. Earth dist.	6973 Apr 02 04:14	11° Y 21'53	0.66884 AU
	6972 Jun 04 16:09	0° II		morning rise	6973 Apr 06 06:59	6° Y 39'27	
morning set	6972 Jun 17 02:02	21° II 57'54		direct	6973 Apr 12 09:20	3° Y 56'31	
	6972 Jun 21 04:37	0° E		desc. node	6973 Apr 22 12:03	9° Y 12'01	
max. Earth dist.	6972 Jun 21 09:09	0° E 22'42	1.34166 AU	morning max el	6973 Apr 24 16:33	11° Y 18'11	25°38'58
					6973 May 09 14:31	0° B	
superior conj	6972 Jun 25 16:17	9° E 10'35	-0°15'43		6973 May 28 07:51	0° II	
minimum elong	6972 Jun 25 17:08	9° E 15'02	0°15'37	morning set	6973 May 30 20:13	4° II 31'32	
behind sun begin	6972 Jun 25 15:49	9° E 08'08		max. Earth dist.	6973 Jun 03 14:01	11° II 29'25	1.35887 AU
behind sun end	6972 Jun 25 18:28	9° E 21'57					
asc. node	6972 Jun 27 05:22	12° E 24'45		superior conj	6973 Jun 09 08:41	22° II 46'57	-0°46'32
evening rise	6972 Jul 03 02:32	24° E 49'22		minimum elong	6973 Jun 09 11:23	23° II 00'31	0°46'04
	6972 Jul 05 14:44	0° Ω			6973 Jun 12 22:04	0° E	
evening max el	6972 Jul 22 20:44	27° Ω 05'40	21°21'49	asc. node	6973 Jun 14 02:26	2° E 25'26	
	6972 Jul 26 06:51	0° M		evening rise	6973 Jun 17 08:57	9° E 07'56	
desc. node	6972 Aug 01 14:18	2° M 52'21			6973 Jun 28 16:22	0° Ω	
retrograde	6972 Aug 03 23:57	3° M 06'16		evening max el	6973 Jul 05 02:58	8° Ω 08'56	20°03'09
evening set	6972 Aug 06 09:56	2° M 52'49		retrograde	6973 Jul 15 14:13	13° Ω 17'39	
	6972 Aug 13 17:27	30° R Ω		evening set	6973 Jul 17 11:40	13° Ω 08'17	
inferior conj	6972 Aug 15 16:53	28° Ω 54'14	-3°58'07	desc. node	6973 Jul 19 11:19	12° Ω 39'38	
minimum elong	6972 Aug 15 07:36	29° Ω 07'15	3°55'32	inferior conj	6973 Jul 26 12:49	9° Ω 09'02	-2°07'41
min. Earth dist.	6972 Aug 15 20:30	28° Ω 49'09	0.54731 AU	minimum elong	6973 Jul 26 06:55	9° Ω 17'53	2°05'34
morning rise	6972 Aug 24 06:07	25° Ω 01'23		min. Earth dist.	6973 Jul 28 08:06	8° Ω 04'11	0.55097 AU
direct	6972 Aug 27 20:16	24° Ω 33'35		morning rise	6973 Aug 04 00:32	4° Ω 52'27	
	6972 Sep 08 20:45	0° M		direct	6973 Aug 08 08:13	4° Ω 11'44	
morning max el	6972 Sep 09 10:23	0° M 31'03	22°21'54	morning max el	6973 Aug 22 00:29	10° Ω 55'00	24°06'49
asc. node	6972 Sep 23 04:44	19° M 27'29			6973 Sep 05 07:48	0° M	
	6972 Sep 28 16:27	0° Ω		asc. node	6973 Sep 10 01:45	8° M 38'21	
morning set	6972 Oct 01 05:13	5° Ω 14'27		morning set	6973 Sep 15 16:55	20° M 05'55	
					6973 Sep 20 06:53	0° Ω	
superior conj	6972 Oct 08 07:35	20° Ω 21'39	1°42'07				
minimum elong	6972 Oct 08 07:19	20° Ω 20'13	1°42'09	superior conj	6973 Sep 22 15:11	5° Ω 06'41	1°37'39
max. Earth dist.	6972 Oct 11 18:37	27° Ω 35'34	1.34218 AU	minimum elong	6973 Sep 22 13:51	4° Ω 59'24	1°37'35
	6972 Oct 12 22:53	0° M		max. Earth dist.	6973 Sep 24 18:34	9° Ω 44'05	1.32967 AU
evening rise	6972 Oct 16 08:06	6° M 43'59		evening rise	6973 Sep 30 01:05	20° Ω 44'17	
desc. node	6972 Oct 28 13:22	28° M 32'40			6973 Oct 04 18:53	0° M	
	6972 Oct 29 11:00	0° X		desc. node	6973 Oct 15 10:26	18° M 22'35	
evening max el	6972 Nov 20 04:46	28° X 32'03	27°03'48		6973 Oct 23 10:30	0° X	
	6972 Nov 21 18:59	0° Z		evening max el	6973 Nov 02 16:37	11° X 48'59	27°27'09
retrograde	6972 Dec 03 12:04	5° Z 51'23		retrograde	6973 Nov 16 08:14	19° X 07'22	
evening set	6972 Dec 10 05:55	3° Z 13'27		evening set	6973 Nov 23 09:34	16° X 32'56	
	6972 Dec 13 15:29	30° R X		min. Earth dist.	6973 Nov 27 03:15	13° X 16'23	0.63754 AU
min. Earth dist.	6972 Dec 14 04:24	29° X 24'42	0.65364 AU	inferior conj	6973 Nov 29 17:03	10° X 38'19	-2°24'51
inferior conj	6972 Dec 16 06:44	27° X 02'28	-1°18'39	minimum elong	6973 Nov 29 21:29	10° X 26'59	2°23'04
minimum elong	6972 Dec 16 09:02	26° X 55'58	1°17'37	morning rise	6973 Dec 06 11:04	5° X 18'55	
asc. node	6972 Dec 20 04:05	23° X 03'38		asc. node	6973 Dec 07 01:06	5° X 06'42	
morning rise	6972 Dec 22 13:20	21° X 27'58		direct	6973 Dec 08 21:25	4° X 49'50	
direct	6972 Dec 25 06:14	20° X 48'35		morning max el	6973 Dec 15 10:23	8° X 14'03	17°49'56
morning max el	6972 Dec 31 17:14	24° X 14'53	18°06'08		6973 Dec 29 22:54	0° Z	

morning set	6974 Jan 01 00:28	3° Z 32'53		minimum elong	6974 Nov 12 21:43	23° M 37'43	3°29'34
desc. node	6974 Jan 11 09:38	21° Z 06'08		morning rise	6974 Nov 19 21:36	18° M 51'07	
				direct	6974 Nov 22 04:17	18° M 28'41	
superior conj	6974 Jan 13 15:43	24° Z 48'13	-0°16'06	asc. node	6974 Nov 23 22:06	18° M 42'14	
minimum elong	6974 Jan 13 13:56	24° Z 40'57	0°15'46	morning max el	6974 Nov 29 02:25	21° M 59'08	17°51'47
behind sun begin	6974 Jan 13 11:55	24° Z 32'45			6974 Dec 05 06:09	0° Z	
behind sun end	6974 Jan 13 15:56	24° Z 49'10		morning set	6974 Dec 14 21:18	16° Z 39'45	
	6974 Jan 16 20:38	0° \approx			6974 Dec 22 08:32	0° Z	
max. Earth dist.	6974 Jan 19 09:18	4° \approx 02'36	1.44537 AU				
evening rise	6974 Jan 29 08:15	19° \approx 35'25		superior conj	6974 Dec 25 17:25	5° Z 50'45	0°25'37
	6974 Feb 05 04:29	0° H		minimum elong	6974 Dec 25 19:40	6° Z 00'23	0°25'20
evening max el	6974 Feb 26 18:13	29° H 34'08	20°35'13	desc. node	6974 Dec 29 06:39	11° Z 51'47	
	6974 Feb 27 04:31	0° Y		max. Earth dist.	6975 Jan 02 00:26	18° Z 02'41	1.43120 AU
asc. node	6974 Mar 05 00:19	4° Y 01'50		evening rise	6975 Jan 08 23:29	29° Z 09'36	
retrograde	6974 Mar 06 21:23	4° Y 20'13			6975 Jan 09 12:23	0° \approx	
evening set	6974 Mar 10 20:57	2° Y 49'14			6975 Jan 29 20:54	0° H	
	6974 Mar 13 16:20	30° R H		evening max el	6975 Feb 09 14:42	13° H 12'35	21°47'39
inferior conj	6974 Mar 16 04:55	26° H 41'03	3°00'51	retrograde	6975 Feb 18 18:55	18° H 38'58	
minimum elong	6974 Mar 16 02:55	26° H 47'55	3°00'28	asc. node	6975 Feb 19 21:20	18° H 32'40	
min. Earth dist.	6974 Mar 16 19:41	25° H 50'27	0.67770 AU	evening set	6975 Feb 23 04:52	16° H 52'41	
morning rise	6974 Mar 21 08:40	20° H 26'11		inferior conj	6975 Feb 28 12:42	10° H 34'21	2°32'03
direct	6974 Mar 26 21:58	17° H 57'43		minimum elong	6975 Feb 28 10:23	10° H 42'22	2°31'27
morning max el	6974 Apr 07 01:17	24° H 37'27	24°13'08	min. Earth dist.	6975 Feb 28 14:50	10° H 26'56	0.68223 AU
desc. node	6974 Apr 09 09:03	27° H 05'47		morning rise	6975 Mar 05 15:44	4° H 22'46	
	6974 Apr 11 21:16	0° Y		direct	6975 Mar 10 14:49	2° H 14'40	
	6974 May 03 01:31	0° Z		morning max el	6975 Mar 20 11:18	8° H 03'49	22°43'37
morning set	6974 May 12 18:37	16° Z 06'03		desc. node	6975 Mar 27 06:03	15° H 53'08	
max. Earth dist.	6974 May 16 10:48	22° Z 35'03	1.37973 AU		6975 Apr 06 13:19	0° Y	
	6974 May 20 12:03	0° II		morning set	6975 Apr 23 15:36	26° Y 27'16	
					6975 Apr 25 18:50	0° Z	
superior conj	6974 May 23 13:19	5° II 46'13	-1°17'10	max. Earth dist.	6975 Apr 28 07:19	4° Z 15'42	1.40205 AU
minimum elong	6974 May 23 17:51	6° II 07'53	1°16'31				
asc. node	6974 May 31 23:29	22° II 16'42		superior conj	6975 May 06 02:02	17° Z 58'25	-1°44'35
evening rise	6974 Jun 01 09:05	23° II 04'09		minimum elong	6975 May 06 07:31	18° Z 23'22	1°44'03
	6974 Jun 04 22:23	0° E			6975 May 12 13:30	0° II	
evening max el	6974 Jun 17 21:48	19° E 55'49	19°04'18	evening rise	6975 May 15 23:50	6° II 30'10	
retrograde	6974 Jun 26 16:57	24° E 15'38		asc. node	6975 May 18 20:30	11° II 54'09	
evening set	6974 Jun 28 16:01	24° E 03'37			6975 May 29 23:05	0° E	
desc. node	6974 Jul 06 08:21	20° E 17'06		evening max el	6975 Jun 01 02:17	2° E 21'11	18°26'00
inferior conj	6974 Jul 06 23:58	19° E 50'25	-0°11'45	retrograde	6975 Jun 08 14:52	6° E 05'56	
minimum elong	6974 Jul 06 23:28	19° E 51'16	0°11'38	evening set	6975 Jun 10 20:32	5° E 47'02	
transit middle	6974 Jul 06 23:28	19° E 51'16	0°11'38	inferior conj	6975 Jun 18 08:30	1° E 13'48	1°23'19
transit begin	6974 Jul 06 20:52	19° E 55'45		minimum elong	6975 Jun 18 11:10	1° E 08'24	1°22'22
transit end	6974 Jul 07 02:05	19° E 46'47			6975 Jun 19 20:53	30° R II	
min. Earth dist.	6974 Jul 09 22:43	17° E 49'37	0.56365 AU	min. Earth dist.	6975 Jun 21 18:00	28° II 30'52	0.58272 AU
morning rise	6974 Jul 15 03:46	14° E 58'28		desc. node	6975 Jun 23 05:22	27° II 26'14	
direct	6974 Jul 20 08:33	13° E 55'09		morning rise	6975 Jun 25 22:32	25° II 47'08	
morning max el	6974 Aug 03 13:53	21° E 13'15	25°46'00	direct	6975 Jul 01 22:51	24° II 13'11	
	6974 Aug 11 05:16	0° Ω			6975 Jul 14 06:26	0° E	
asc. node	6974 Aug 27 22:46	28° Ω 11'43		morning max el	6975 Jul 16 08:12	1° E 54'52	27°03'16
	6974 Aug 28 20:00	0° M			6975 Aug 05 12:03	0° Ω	
morning set	6974 Aug 31 04:13	4° M 53'58		asc. node	6975 Aug 14 19:48	18° Ω 01'13	
				morning set	6975 Aug 15 13:29	19° Ω 34'02	
superior conj	6974 Sep 07 01:50	19° M 58'02	1°27'32		6975 Aug 20 09:13	0° M	
minimum elong	6974 Sep 06 23:48	19° M 46'52	1°27'18	superior conj	6975 Aug 22 13:37	4° M 49'49	1°12'22
max. Earth dist.	6974 Sep 08 01:22	22° M 07'41	1.32160 AU	minimum elong	6975 Aug 22 11:21	4° M 37'14	1°11'59
	6974 Sep 11 16:16	0° E		max. Earth dist.	6975 Aug 22 11:49	4° M 39'51	1.31793 AU
evening rise	6974 Sep 14 02:18	5° E 06'21		evening rise	6975 Aug 29 09:07	19° M 42'35	
	6974 Sep 27 10:05	0° M			6975 Sep 03 10:02	0° E	
desc. node	6974 Oct 02 07:29	7° M 39'16		desc. node	6975 Sep 19 04:31	26° E 09'37	
evening max el	6974 Oct 16 01:09	24° M 32'48	27°19'44		6975 Sep 22 03:59	0° M	
	6974 Oct 23 09:06	0° Z		evening max el	6975 Sep 28 03:31	6° M 31'11	26°38'30
retrograde	6974 Oct 29 21:00	1° Z 45'46		retrograde	6975 Oct 12 01:20	13° M 38'46	
	6974 Nov 05 00:57	30° R M		evening set	6975 Oct 18 20:26	11° M 42'54	
evening set	6974 Nov 05 23:51	29° M 25'05		min. Earth dist.	6975 Oct 22 17:14	9° M 07'23	0.59805 AU
min. Earth dist.	6974 Nov 09 15:41	26° M 34'50	0.61865 AU	inferior conj	6975 Oct 25 22:24	6° M 34'31	-4°32'40
inferior conj	6974 Nov 12 15:25	23° M 52'02	-3°31'41				

minimum elong	6975 Oct 26 05:12	6° \mathbb{M} 20'59	4°31'01	morning rise	6976 Oct 14 13:45	14° $\underline{\mathfrak{A}}$ 20'45	
morning rise	6975 Nov 02 16:10	1° \mathbb{M} 55'28		direct	6976 Oct 17 00:14	14° $\underline{\mathfrak{A}}$ 02'45	
direct	6975 Nov 04 22:43	1° \mathbb{M} 36'34		morning max el	6976 Oct 25 17:45	18° $\underline{\mathfrak{A}}$ 12'37	18°55'07
asc. node	6975 Nov 10 19:07	3° \mathbb{M} 49'06		asc. node	6976 Oct 27 16:10	20° $\underline{\mathfrak{A}}$ 14'54	
morning max el	6975 Nov 12 14:02	5° \mathbb{M} 21'46	18°12'59		6976 Nov 03 09:38	0° \mathbb{M}	
morning set	6975 Nov 28 08:52	0° \mathfrak{X} 27'43		morning set	6976 Nov 11 06:40	14° \mathbb{M} 44'03	
	6975 Nov 28 03:00	0° \mathfrak{X}			6976 Nov 19 01:52	0° \mathfrak{X}	
superior conj	6975 Dec 07 19:29	18° \mathfrak{X} 03'24	0°58'34	superior conj	6976 Nov 19 17:00	1° \mathfrak{X} 12'23	1°21'44
minimum elong	6975 Dec 07 23:05	18° \mathfrak{X} 19'43	0°58'08	minimum elong	6976 Nov 19 20:10	1° \mathfrak{X} 27'29	1°21'28
	6975 Dec 14 14:28	0° \mathfrak{Z}		max. Earth dist.	6976 Nov 26 16:41	14° \mathfrak{X} 06'06	1.39108 AU
max. Earth dist.	6975 Dec 15 10:46	1° \mathfrak{Z} 26'19	1.41233 AU	evening rise	6976 Nov 30 13:42	20° \mathfrak{X} 52'04	
desc. node	6975 Dec 16 03:39	2° \mathfrak{Z} 37'40		desc. node	6976 Dec 02 00:40	23° \mathfrak{X} 20'31	
evening rise	6975 Dec 20 07:28	9° \mathfrak{Z} 30'44			6976 Dec 06 01:27	0° \mathfrak{Z}	
	6976 Jan 02 13:38	0° \approx			6976 Dec 26 15:30	0° \approx	
evening max el	6976 Jan 23 06:43	26° \approx 52'57	23°06'36	evening max el	6977 Jan 04 20:11	10° \approx 36'49	24°26'04
	6976 Jan 26 17:46	0° \mathfrak{X}		retrograde	6977 Jan 16 05:46	17° \approx 17'22	
retrograde	6976 Feb 02 14:05	2° \mathfrak{X} 59'25		evening set	6977 Jan 21 16:04	15° \approx 01'33	
asc. node	6976 Feb 06 18:21	1° \mathfrak{X} 31'41		asc. node	6977 Jan 23 15:24	13° \approx 03'54	
evening set	6976 Feb 07 11:45	0° \mathfrak{X} 57'49		min. Earth dist.	6977 Jan 26 07:30	9° \approx 43'24	0.67924 AU
	6976 Feb 08 12:41	30° \mathfrak{R} \approx		inferior conj	6977 Jan 27 04:19	8° \approx 33'40	1°09'20
inferior conj	6976 Feb 12 21:05	24° \approx 32'38	1°54'37	minimum elong	6977 Jan 27 02:46	8° \approx 38'51	1°08'47
minimum elong	6976 Feb 12 18:55	24° \approx 40'07	1°53'55	morning rise	6977 Feb 01 13:35	2° \approx 32'48	
min. Earth dist.	6976 Feb 12 11:29	25° \approx 05'45	0.68266 AU	direct	6977 Feb 05 09:10	1° \approx 09'34	
morning rise	6976 Feb 18 02:02	18° \approx 25'42		morning max el	6977 Feb 13 00:29	5° \approx 28'29	20°05'18
direct	6976 Feb 22 10:55	16° \approx 40'16		desc. node	6977 Feb 28 00:01	25° \approx 12'21	
morning max el	6976 Mar 02 02:10	21° \approx 40'04	21°18'58		6977 Mar 03 05:20	0° \mathfrak{X}	
	6976 Mar 09 04:26	0° \mathfrak{X}		morning set	6977 Mar 12 06:55	13° \mathfrak{X} 48'11	
desc. node	6976 Mar 13 03:02	5° \mathfrak{X} 18'44			6977 Mar 22 14:47	0° \mathfrak{Y}	
	6976 Mar 29 19:54	0° \mathfrak{Y}		max. Earth dist.	6977 Mar 22 18:11	0° \mathfrak{Y} 13'35	1.43984 AU
morning set	6976 Apr 02 08:40	5° \mathfrak{Y} 31'15		superior conj	6977 Mar 28 09:09	9° \mathfrak{Y} 19'04	-2°10'41
max. Earth dist.	6976 Apr 09 09:16	16° \mathfrak{Y} 49'25	1.42297 AU	minimum elong	6977 Mar 28 08:18	9° \mathfrak{Y} 15'38	2°10'41
superior conj	6976 Apr 16 17:54	29° \mathfrak{Y} 11'40	-2°04'21		6977 Apr 09 16:05	0° \mathfrak{Z}	
minimum elong	6976 Apr 16 22:03	29° \mathfrak{Y} 29'30	2°04'11	evening rise	6977 Apr 10 08:44	1° \mathfrak{Z} 11'43	
	6976 Apr 17 05:07	0° \mathfrak{Z}		asc. node	6977 Apr 21 14:34	20° \mathfrak{Z} 03'31	
evening rise	6976 Apr 28 01:13	19° \mathfrak{Z} 15'57		evening max el	6977 Apr 28 01:44	28° \mathfrak{Z} 29'50	18°08'42
	6976 May 04 00:58	0° \mathbb{I}			6977 Apr 29 18:39	0° \mathbb{I}	
asc. node	6976 May 04 17:32	1° \mathbb{I} 11'55		retrograde	6977 May 04 11:39	1° \mathbb{I} 51'27	
evening max el	6976 May 14 12:44	15° \mathbb{I} 15'22	18°07'43	evening set	6977 May 07 07:29	1° \mathbb{I} 10'43	
retrograde	6976 May 21 06:34	18° \mathbb{I} 41'06			6977 May 09 05:34	30° \mathfrak{R} \mathfrak{Z}	
evening set	6976 May 23 19:27	18° \mathbb{I} 12'18		inferior conj	6977 May 13 12:05	25° \mathfrak{Z} 57'58	3°07'56
inferior conj	6976 May 30 13:45	13° \mathbb{I} 18'40	2°29'06	minimum elong	6977 May 13 14:14	25° \mathfrak{Z} 52'12	3°07'33
minimum elong	6976 May 30 16:54	13° \mathbb{I} 11'15	2°28'15	min. Earth dist.	6977 May 16 07:33	22° \mathfrak{Z} 59'10	0.62670 AU
min. Earth dist.	6976 Jun 02 20:22	10° \mathbb{I} 15'46	0.60477 AU	morning rise	6977 May 19 19:25	19° \mathfrak{Z} 50'45	
morning rise	6976 Jun 06 11:51	7° \mathbb{I} 26'24		direct	6977 May 26 14:35	17° \mathfrak{Z} 18'26	
desc. node	6976 Jun 09 02:24	6° \mathbb{I} 05'58		desc. node	6977 May 26 23:25	17° \mathfrak{Z} 18'51	
direct	6976 Jun 13 01:34	5° \mathbb{I} 20'02		morning max el	6977 Jun 09 15:56	25° \mathfrak{Z} 20'51	27°52'11
morning max el	6976 Jun 27 09:18	13° \mathbb{I} 16'38	27°46'48		6977 Jun 13 22:16	0° \mathbb{I}	
	6976 Jul 10 17:02	0° \mathfrak{E}			6977 Jul 04 04:37	0° \mathfrak{E}	
	6976 Jul 27 19:58	0° Ω		morning set	6977 Jul 13 18:34	18° \mathfrak{E} 06'49	
morning set	6976 Jul 29 18:59	4° Ω 00'30		asc. node	6977 Jul 18 13:50	28° \mathfrak{E} 06'18	
asc. node	6976 Jul 31 16:49	8° Ω 00'59		max. Earth dist.	6977 Jul 19 03:54	29° \mathfrak{E} 21'32	1.32380 AU
max. Earth dist.	6976 Aug 04 21:59	17° Ω 08'32	1.31859 AU		6977 Jul 19 11:04	0° Ω	
superior conj	6976 Aug 06 00:48	19° Ω 36'12	0°52'36	superior conj	6977 Jul 21 09:34	4° Ω 11'23	0°28'42
minimum elong	6976 Aug 05 22:46	19° Ω 24'58	0°52'10	minimum elong	6977 Jul 21 08:16	4° Ω 04'19	0°28'23
	6976 Aug 10 18:06	0° \mathfrak{M}		evening rise	6977 Jul 28 07:01	19° Ω 10'18	
evening rise	6976 Aug 12 19:21	4° \mathfrak{M} 26'00			6977 Aug 02 13:20	0° \mathfrak{M}	
	6976 Aug 26 06:53	0° $\underline{\mathfrak{A}}$		evening max el	6977 Aug 21 10:17	28° \mathfrak{M} 06'56	23°52'59
desc. node	6976 Sep 05 01:33	13° $\underline{\mathfrak{A}}$ 35'16		desc. node	6977 Aug 22 22:37	29° \mathfrak{M} 30'20	
evening max el	6976 Sep 08 21:52	17° $\underline{\mathfrak{A}}$ 39'02	25°26'13		6977 Aug 23 12:32	0° $\underline{\mathfrak{A}}$	
retrograde	6976 Sep 22 19:58	24° $\underline{\mathfrak{A}}$ 42'08		retrograde	6977 Sep 04 02:52	4° $\underline{\mathfrak{A}}$ 59'02	
evening set	6976 Sep 28 18:32	23° $\underline{\mathfrak{A}}$ 20'31		evening set	6977 Sep 08 16:09	4° $\underline{\mathfrak{A}}$ 13'26	
min. Earth dist.	6976 Oct 03 09:42	20° $\underline{\mathfrak{A}}$ 42'07	0.57764 AU	min. Earth dist.	6977 Sep 14 20:43	1° $\underline{\mathfrak{A}}$ 13'22	0.56038 AU
inferior conj	6976 Oct 06 10:40	18° $\underline{\mathfrak{A}}$ 36'32	-5°16'29		6977 Sep 16 21:04	30° \mathfrak{R} \mathfrak{M}	
minimum elong	6976 Oct 06 14:58	18° $\underline{\mathfrak{A}}$ 29'05	5°15'59	inferior conj	6977 Sep 17 02:39	29° \mathfrak{M} 51'28	-5°26'23

minimum elong	6977 Sep 17 00:43	29° \mathbb{M} 54'26	5°26'18	evening set	6978 Aug 18 22:46	14° \mathbb{M} 28'18	
morning rise	6977 Sep 25 11:34	25° \mathbb{M} 55'00		min. Earth dist.	6978 Aug 27 05:55	10° \mathbb{M} 52'16	0.54963 AU
direct	6977 Sep 28 06:13	25° \mathbb{M} 35'24		inferior conj	6978 Aug 28 01:46	10° \mathbb{M} 24'21	-4°45'47
	6977 Oct 08 01:09	0° \mathbb{L}		minimum elong	6978 Aug 27 17:31	10° \mathbb{M} 35'57	4°44'08
morning max el	6977 Oct 08 10:17	0° \mathbb{L} 21'02	19°59'23	morning rise	6978 Sep 05 13:56	6° \mathbb{M} 35'30	
asc. node	6977 Oct 14 13:12	7° \mathbb{L} 43'27		direct	6978 Sep 08 20:20	6° \mathbb{M} 11'33	
morning set	6977 Oct 26 11:16	29° \mathbb{L} 18'26		morning max el	6978 Sep 20 14:05	11° \mathbb{M} 41'38	21°24'53
	6977 Oct 26 19:27	0° \mathbb{M}		asc. node	6978 Oct 01 10:15	26° \mathbb{M} 00'51	
					6978 Oct 03 16:50	0° \mathbb{L}	
superior conj	6977 Nov 03 04:48	15° \mathbb{M} 02'02	1°35'47	morning set	6978 Oct 10 20:12	14° \mathbb{L} 04'09	
minimum elong	6977 Nov 03 06:43	15° \mathbb{M} 11'35	1°35'43				
max. Earth dist.	6977 Nov 08 22:20	26° \mathbb{M} 11'03	1.37005 AU	superior conj	6978 Oct 18 02:45	29° \mathbb{L} 20'31	1°41'49
	6977 Nov 10 23:27	0° \mathbb{X}		minimum elong	6978 Oct 18 03:14	29° \mathbb{L} 23'04	1°41'52
evening rise	6977 Nov 12 17:13	3° \mathbb{X} 10'22			6978 Oct 18 10:21	0° \mathbb{M}	
desc. node	6977 Nov 18 21:43	13° \mathbb{X} 55'40		max. Earth dist.	6978 Oct 22 09:23	8° \mathbb{M} 04'26	1.35140 AU
	6977 Nov 29 02:33	0° \mathbb{Z}		evening rise	6978 Oct 26 14:25	16° \mathbb{M} 16'35	
evening max el	6977 Dec 18 09:05	24° \mathbb{Z} 22'50	25°39'16		6978 Nov 03 05:11	0° \mathbb{X}	
	6977 Dec 25 14:38	0° \approx		desc. node	6978 Nov 05 18:45	4° \mathbb{X} 18'25	
retrograde	6977 Dec 30 16:53	1° \approx 26'48			6978 Nov 23 13:54	0° \mathbb{Z}	
	6978 Jan 04 07:21	30° \mathbb{R} \mathbb{Z}		evening max el	6978 Nov 30 22:16	8° \mathbb{Z} 05'52	26°38'42
evening set	6978 Jan 05 16:09	28° \mathbb{Z} 59'03		retrograde	6978 Dec 13 22:31	15° \mathbb{Z} 21'39	
min. Earth dist.	6978 Jan 10 00:31	24° \mathbb{Z} 15'20	0.67212 AU	evening set	6978 Dec 20 10:10	12° \mathbb{Z} 46'00	
asc. node	6978 Jan 10 12:27	23° \mathbb{Z} 37'28		min. Earth dist.	6978 Dec 24 12:11	8° \mathbb{Z} 37'09	0.66143 AU
inferior conj	6978 Jan 11 08:30	22° \mathbb{Z} 33'27	0°16'48	inferior conj	6978 Dec 26 07:38	6° \mathbb{Z} 28'11	-0°42'12
minimum elong	6978 Jan 11 08:04	22° \mathbb{Z} 34'50	0°16'41	minimum elong	6978 Dec 26 08:49	6° \mathbb{Z} 24'40	0°41'37
morning rise	6978 Jan 17 00:24	16° \mathbb{Z} 40'39		asc. node	6978 Dec 28 09:32	4° \mathbb{Z} 04'55	
direct	6978 Jan 20 08:12	15° \mathbb{Z} 37'08		morning rise	6979 Jan 01 08:19	0° \mathbb{Z} 46'00	
morning max el	6978 Jan 27 06:36	19° \mathbb{Z} 26'42	19°06'09		6979 Jan 03 18:56	30° \mathbb{R} \mathbb{X}	
	6978 Feb 04 15:19	0° \approx		direct	6979 Jan 04 06:08	29° \mathbb{X} 158'47	
greatest brilliancy	6978 Feb 10 00:28	7° \approx 59'12	-0.8m		6979 Jan 04 17:23	0° \mathbb{Z}	
desc. node	6978 Feb 14 21:01	15° \approx 25'55		morning max el	6979 Jan 10 19:04	3° \mathbb{Z} 30'22	18°23'10
morning set	6978 Feb 19 09:31	22° \approx 26'04			6979 Jan 29 01:28	0° \approx	
	6978 Feb 24 06:18	0° \mathbb{X}		morning set	6979 Jan 30 13:05	2° \approx 22'29	
max. Earth dist.	6978 Mar 05 09:15	14° \mathbb{X} 16'05	1.45070 AU	desc. node	6979 Feb 01 18:00	5° \approx 53'53	
superior conj	6978 Mar 08 01:00	18° \mathbb{X} 27'25	-1°58'10	superior conj	6979 Feb 15 05:02	27° \approx 10'10	-1°26'14
minimum elong	6978 Mar 07 17:32	17° \mathbb{X} 57'54	1°57'41	minimum elong	6979 Feb 14 19:40	26° \approx 33'28	1°25'11
	6978 Mar 15 06:40	0° \mathbb{Y}		max. Earth dist.	6979 Feb 16 04:16	28° \approx 41'11	1.45446 AU
evening rise	6978 Mar 22 18:10	12° \mathbb{Y} 09'53			6979 Feb 17 00:23	0° \mathbb{X}	
	6978 Apr 02 17:34	0° \mathbb{B}		evening rise	6979 Mar 03 04:16	22° \mathbb{X} 12'10	
asc. node	6978 Apr 08 11:37	8° \mathbb{B} 20'32			6979 Mar 08 03:09	0° \mathbb{Y}	
evening max el	6978 Apr 11 14:20	11° \mathbb{B} 57'01	18°28'17	greatest brilliancy	6979 Mar 13 10:51	8° \mathbb{Y} 18'44	-0.8m
retrograde	6978 Apr 18 01:48	15° \mathbb{B} 28'02		evening max el	6979 Mar 25 23:59	25° \mathbb{Y} 30'11	19°05'24
evening set	6978 Apr 21 04:32	14° \mathbb{B} 34'04		asc. node	6979 Mar 26 08:41	25° \mathbb{Y} 51'52	
inferior conj	6978 Apr 26 23:21	9° \mathbb{B} 03'32	3°25'11	retrograde	6979 Apr 01 21:20	29° \mathbb{Y} 22'48	
minimum elong	6978 Apr 27 00:04	9° \mathbb{B} 01'27	3°25'05	evening set	6979 Apr 05 07:26	28° \mathbb{Y} 14'46	
min. Earth dist.	6978 Apr 29 03:55	6° \mathbb{B} 28'47	0.64613 AU	inferior conj	6979 Apr 10 19:53	22° \mathbb{Y} 27'54	3°25'43
morning rise	6978 May 02 18:46	2° \mathbb{B} 49'23		minimum elong	6979 Apr 10 19:15	22° \mathbb{Y} 29'55	3°25'39
direct	6978 May 09 11:46	0° \mathbb{B} 03'06		min. Earth dist.	6979 Apr 12 08:54	20° \mathbb{Y} 29'52	0.66179 AU
desc. node	6978 May 13 20:26	1° \mathbb{B} 02'52		morning rise	6979 Apr 16 06:40	16° \mathbb{Y} 11'31	
morning max el	6978 May 23 01:33	8° \mathbb{B} 00'07	27°21'57	direct	6979 Apr 22 15:33	13° \mathbb{Y} 24'16	
	6978 Jun 09 02:02	0° \mathbb{I}		desc. node	6979 Apr 30 17:26	16° \mathbb{Y} 47'26	
	6978 Jun 26 11:55	0° \mathbb{E}		morning max el	6979 May 05 11:40	21° \mathbb{Y} 02'25	26°22'43
morning set	6978 Jun 27 09:39	1° \mathbb{E} 45'40			6979 May 13 05:36	0° \mathbb{B}	
max. Earth dist.	6978 Jul 02 01:52	11° \mathbb{E} 09'24	1.33375 AU		6979 Jun 02 06:14	0° \mathbb{I}	
asc. node	6978 Jul 05 10:52	18° \mathbb{E} 13'18		morning set	6979 Jun 10 12:39	14° \mathbb{I} 45'59	
				max. Earth dist.	6979 Jun 14 13:12	22° \mathbb{I} 28'59	1.34847 AU
superior conj	6978 Jul 05 13:59	18° \mathbb{E} 29'50	0°01'20		6979 Jun 18 07:28	0° \mathbb{E}	
minimum elong	6978 Jul 05 13:55	18° \mathbb{E} 29'28	0°01'16				
behind sun begin	6978 Jul 05 08:26	18° \mathbb{E} 00'23		superior conj	6979 Jun 19 11:32	2° \mathbb{E} 23'26	-0°28'38
behind sun end	6978 Jul 05 19:24	18° \mathbb{E} 58'35		minimum elong	6979 Jun 19 13:09	2° \mathbb{E} 31'42	0°28'23
	6978 Jul 10 23:01	0° \mathbb{Q}		asc. node	6979 Jun 22 07:53	8° \mathbb{E} 17'13	
evening rise	6978 Jul 12 18:18	3° \mathbb{Q} 50'05		evening rise	6979 Jun 27 03:06	18° \mathbb{E} 18'08	
	6978 Jul 27 01:34	0° \mathbb{M}			6979 Jul 02 23:50	0° \mathbb{Q}	
evening max el	6978 Aug 02 23:56	8° \mathbb{M} 24'44	22°14'42	evening max el	6979 Jul 15 22:42	19° \mathbb{Q} 04'21	20°46'04
desc. node	6978 Aug 09 19:40	13° \mathbb{M} 23'15		retrograde	6979 Jul 27 09:19	24° \mathbb{Q} 43'12	
retrograde	6978 Aug 15 21:15	14° \mathbb{M} 49'03		desc. node	6979 Jul 27 16:43	24° \mathbb{Q} 42'58	

































































































































evening set	6979 Jul 29 12:04	24°Ω32'25		evening set	6980 Jul 09 00:53	5°Ω02'34	
inferior conj	6979 Aug 07 18:27	20°Ω35'27	-3°14'12	desc. node	6980 Jul 13 13:44	3°Ω27'00	
minimum elong	6979 Aug 07 09:57	20°Ω47'33	3°11'28	inferior conj	6980 Jul 17 19:31	0°Ω58'09	-1°17'12
min. Earth dist.	6979 Aug 08 15:43	20°Ω05'08	0.54776 AU	minimum elong	6980 Jul 17 16:00	1°Ω03'42	1°15'56
morning rise	6979 Aug 16 07:45	16°Ω35'06			6980 Jul 19 08:12	30°℞☿	
direct	6979 Aug 20 05:00	16°Ω02'46		min. Earth dist.	6980 Jul 20 04:11	29°☿28'47	0.55540 AU
morning max el	6979 Sep 02 07:24	22°Ω19'50	23°06'05	morning rise	6980 Jul 26 04:45	26°☿27'17	
	6979 Sep 09 00:29	0°℞		direct	6980 Jul 30 20:58	25°☿38'30	
asc. node	6979 Sep 18 07:16	14°℞54'40			6980 Aug 10 19:05	0°Ω	
morning set	6979 Sep 25 07:23	28°℞54'45		morning max el	6980 Aug 13 20:27	2°Ω37'38	24°50'45
	6979 Sep 25 19:43	0°♄			6980 Sep 01 23:12	0°℞	
				asc. node	6980 Sep 04 04:15	4°℞15'47	
superior conj	6979 Oct 02 07:32	13°♄57'45	1°40'57	morning set	6980 Sep 08 19:06	13°℞45'18	
minimum elong	6979 Oct 02 06:47	13°♄53'39	1°40'56				
max. Earth dist.	6979 Oct 05 04:44	20°♄04'58	1.33640 AU	superior conj	6980 Sep 15 16:39	28°℞46'00	1°34'01
evening rise	6979 Oct 10 01:11	29°♄59'24		minimum elong	6980 Sep 15 14:59	28°℞36'48	1°33'52
	6979 Oct 10 01:18	0°♄			6980 Sep 16 06:12	0°♄	
desc. node	6979 Oct 23 15:49	24°♄22'30		max. Earth dist.	6980 Sep 17 07:59	2°♄20'27	1.32570 AU
	6979 Oct 27 06:30	0°♄		evening rise	6980 Sep 22 21:58	14°♄09'28	
evening max el	6979 Nov 13 11:04	21°♄35'47	27°17'08		6980 Oct 01 03:25	0°♄	
retrograde	6979 Nov 26 22:07	28°♄54'35		desc. node	6980 Oct 09 12:52	13°♄59'35	
evening set	6979 Dec 03 19:51	26°♄17'07			6980 Oct 21 10:38	0°♄	
min. Earth dist.	6979 Dec 07 16:09	22°♄42'35	0.64723 AU	evening max el	6980 Oct 25 21:38	4°♄39'25	27°27'56
inferior conj	6979 Dec 09 23:24	20°♄12'44	-1°46'23	retrograde	6980 Nov 08 15:10	11°♄55'54	
minimum elong	6979 Dec 10 02:36	20°♄04'04	1°45'00	evening set	6980 Nov 15 18:16	9°♄25'37	
asc. node	6979 Dec 15 06:34	15°♄21'50		min. Earth dist.	6980 Nov 19 10:30	6°♄21'39	0.62981 AU
morning rise	6979 Dec 16 10:42	14°♄44'12		inferior conj	6980 Nov 22 05:01	3°♄39'48	-2°53'27
direct	6979 Dec 19 00:37	14°♄09'32		minimum elong	6980 Nov 22 10:18	3°♄26'53	2°51'26
morning max el	6979 Dec 25 11:24	17°♄33'31	17°57'06		6980 Nov 26 09:07	30°℞♄	
	6980 Jan 03 14:06	0°♄		morning rise	6980 Nov 29 04:12	28°♄28'11	
morning set	6980 Jan 11 22:14	13°♄47'08		asc. node	6980 Dec 01 03:35	28°♄03'02	
desc. node	6980 Jan 19 15:01	26°♄32'00		direct	6980 Dec 01 12:38	28°♄02'22	
	6980 Jan 21 18:07	0°♄			6980 Dec 06 12:33	0°♄	
superior conj	6980 Jan 25 17:05	6°♄22'09	-0°42'23	morning max el	6980 Dec 08 04:32	1°♄27'55	17°48'30
minimum elong	6980 Jan 25 12:04	6°♄02'07	0°41'37	morning set	6980 Dec 24 07:56	26°♄22'18	
max. Earth dist.	6980 Jan 30 00:10	13°♄11'11	1.45072 AU		6980 Dec 26 09:37	0°♄	
	6980 Feb 09 19:19	0°♄		superior conj	6981 Jan 05 03:48	16°♄41'41	0°02'30
evening rise	6980 Feb 10 20:29	1°♄36'53		minimum elong	6981 Jan 05 04:03	16°♄42'44	0°02'31
greatest brilliancy	6980 Feb 25 08:05	23°♄32'30	-0.6m	behind sun begin	6981 Jan 04 18:53	16°♄04'32	
	6980 Feb 29 20:21	0°♄		behind sun end	6981 Jan 05 13:13	17°♄20'51	
evening max el	6980 Mar 08 04:55	9°♄05'58	19°58'25	desc. node	6981 Jan 05 12:02	17°♄15'57	
asc. node	6980 Mar 12 05:44	12°♄24'44		max. Earth dist.	6981 Jan 11 17:26	27°♄25'54	1.44000 AU
retrograde	6980 Mar 15 19:26	13°♄30'28			6981 Jan 13 08:00	0°♄	
evening set	6980 Mar 19 13:45	12°♄07'52		evening rise	6981 Jan 20 07:29	10°♄56'09	
inferior conj	6980 Mar 24 22:39	6°♄06'35	3°13'05		6981 Feb 01 23:22	0°♄	
minimum elong	6980 Mar 24 21:02	6°♄12'01	3°12'52	evening max el	6981 Feb 19 04:16	22°♄42'33	21°04'50
min. Earth dist.	6980 Mar 25 21:05	4°♄51'06	0.67313 AU	asc. node	6981 Feb 27 02:46	27°♄43'56	
morning rise	6980 Mar 30 04:06	29°♄50'36		retrograde	6981 Feb 27 17:47	27°♄45'59	
	6980 Mar 30 00:01	30°℞♄		evening set	6981 Mar 03 21:33	26°♄08'27	
direct	6980 Apr 05 01:03	27°♄13'12		inferior conj	6981 Mar 09 05:13	19°♄55'18	2°49'44
	6980 Apr 11 23:42	0°♄		minimum elong	6981 Mar 09 03:02	20°♄02'51	2°49'16
desc. node	6980 Apr 16 14:25	4°♄01'32		min. Earth dist.	6981 Mar 09 14:25	19°♄23'26	0.68012 AU
morning max el	6980 Apr 16 21:02	4°♄18'10	25°03'40	morning rise	6981 Mar 14 08:19	13°♄41'30	
	6980 May 06 13:42	0°♄		direct	6981 Mar 19 15:30	11°♄21'24	
morning set	6980 May 22 23:04	26°♄55'56		morning max el	6981 Mar 30 06:05	17°♄40'42	23°34'57
	6980 May 24 15:56	0°♄		desc. node	6981 Apr 03 11:25	22°♄19'59	
max. Earth dist.	6980 May 26 14:21	3°♄33'06	1.36744 AU		6981 Apr 09 12:39	0°♄	
					6981 Apr 29 15:32	0°♄	
superior conj	6980 Jun 01 23:20	15°♄44'45	-0°59'40	morning set	6981 May 04 11:17	8°♄00'33	
minimum elong	6980 Jun 02 02:51	16°♄02'04	0°59'07	max. Earth dist.	6981 May 08 09:56	14°♄48'50	1.38917 AU
asc. node	6980 Jun 08 04:55	28°♄14'15					
	6980 Jun 09 01:49	0°☿		superior conj	6981 May 15 21:41	28°♄24'27	-1°29'25
evening rise	6980 Jun 10 07:10	2°☿28'05		minimum elong	6981 May 16 02:47	28°♄48'24	1°28'47
	6980 Jun 27 00:17	0°Ω			6981 May 16 18:01	0°♄	
evening max el	6980 Jun 27 10:20	0°Ω25'15	19°35'30	evening rise	6981 May 25 03:42	16°♄12'05	
retrograde	6980 Jul 07 03:53	5°Ω12'28		asc. node	6981 May 26 01:57	17°♄59'58	

	6981 Jun 01 12:34	0°☿		evening max el	6982 May 24 17:09	25°☿07'41	18°15'53
evening max el	6981 Jun 10 09:39	12°☿29'00	18°45'32	retrograde	6982 May 31 20:17	28°☿42'07	
retrograde	6981 Jun 18 14:41	16°☿32'17		evening set	6982 Jun 03 05:04	28°☿19'19	
evening set	6981 Jun 20 16:04	16°☿17'56		inferior conj	6982 Jun 10 09:06	23°☿37'41	1°54'49
inferior conj	6981 Jun 28 15:29	11°☿56'42	0°31'57	minimum elong	6982 Jun 10 12:15	23°☿30'54	1°53'49
minimum elong	6981 Jun 28 16:42	11°☿54'27	0°31'27	min. Earth dist.	6982 Jun 13 18:59	20°☿42'58	0.59191 AU
desc. node	6981 Jun 30 10:43	10°☿36'50		desc. node	6982 Jun 17 07:45	18°☿11'24	
min. Earth dist.	6981 Jul 01 20:49	9°☿35'26	0.57109 AU	morning rise	6982 Jun 17 16:23	17°☿58'52	
morning rise	6981 Jul 06 13:53	6°☿48'49		direct	6982 Jun 23 23:33	16°☿10'25	
direct	6981 Jul 12 03:19	5°☿33'06		morning max el	6982 Jul 08 08:37	23°☿59'57	27°26'22
morning max el	6981 Jul 26 11:38	13°☿03'29	26°22'29		6982 Jul 13 18:54	0°☿	
	6981 Aug 08 19:35	0°♊			6982 Aug 02 00:12	0°♊	
asc. node	6981 Aug 22 01:16	23°♊56'51		morning set	6982 Aug 08 13:37	13°♊05'29	
morning set	6981 Aug 24 05:45	28°♊30'59		asc. node	6982 Aug 08 22:16	13°♊50'56	
	6981 Aug 24 22:28	0°♋		max. Earth dist.	6982 Aug 15 03:15	27°♊19'28	1.31759 AU
superior conj	6981 Aug 31 04:02	13°♋38'49	1°21'43	superior conj	6982 Aug 15 15:47	28°♊28'52	1°04'32
minimum elong	6981 Aug 31 01:51	13°♋26'44	1°21'24	minimum elong	6982 Aug 15 13:33	28°♊16'31	1°04'07
max. Earth dist.	6981 Aug 31 16:38	14°♋48'29	1.31942 AU		6982 Aug 16 08:14	0°♋	
evening rise	6981 Sep 07 01:52	28°♋38'41		evening rise	6982 Aug 22 10:22	13°♋18'34	
	6981 Sep 07 17:25	0°♌			6982 Aug 30 19:21	0°♌	
	6981 Sep 24 09:13	0°♌		desc. node	6982 Sep 13 06:56	21°♌04'19	
desc. node	6981 Sep 26 09:54	2°♌58'54		evening max el	6982 Sep 20 02:51	28°♌42'18	26°11'18
evening max el	6981 Oct 08 03:41	17°♌05'02	27°06'19		6982 Sep 21 13:03	0°♌	
retrograde	6981 Oct 22 00:55	24°♌16'33		retrograde	6982 Oct 04 01:30	5°♌48'05	
evening set	6981 Oct 29 01:42	22°♌04'50		evening set	6982 Oct 10 13:17	4°♌06'16	
min. Earth dist.	6981 Nov 01 18:20	19°♌22'42	0.60998 AU	min. Earth dist.	6982 Oct 14 15:59	1°♌31'35	0.58917 AU
inferior conj	6981 Nov 04 21:18	16°♌41'45	-3°58'48		6982 Oct 16 17:19	30°♌	
minimum elong	6981 Nov 05 04:03	16°♌27'11	3°56'47	inferior conj	6982 Oct 17 20:42	29°♌08'14	-4°54'13
morning rise	6981 Nov 12 08:37	11°♌50'02		minimum elong	6982 Oct 18 02:54	28°♌56'35	4°53'03
direct	6981 Nov 14 14:37	11°♌29'36		morning rise	6982 Oct 25 18:47	24°♌38'48	
asc. node	6981 Nov 18 00:36	12°♌18'46		direct	6982 Oct 28 02:21	24°♌20'39	
morning max el	6981 Nov 21 19:12	15°♌05'24	17°58'19	asc. node	6982 Nov 04 21:38	28°♌00'41	
	6981 Dec 02 01:58	0°♍		morning max el	6982 Nov 05 03:53	28°♌15'31	18°28'10
morning set	6981 Dec 07 11:43	9°♍48'37			6982 Nov 06 19:29	0°♌	
				morning set	6982 Nov 21 04:08	23°♌49'54	
superior conj	6981 Dec 17 16:26	28°♍15'54	0°40'45		6982 Nov 24 09:03	0°♍	
minimum elong	6981 Dec 17 19:33	28°♍29'33	0°40'22	superior conj	6982 Nov 30 03:24	10°♍53'51	1°09'33
	6981 Dec 18 16:15	0°♎		minimum elong	6982 Nov 30 06:59	11°♍10'24	1°09'10
desc. node	6981 Dec 23 09:04	8°♎02'20		max. Earth dist.	6982 Dec 07 14:06	24°♍14'00	1.40351 AU
max. Earth dist.	6981 Dec 25 06:02	11°♎09'44	1.42362 AU	desc. node	6982 Dec 10 06:06	28°♍47'13	
evening rise	6981 Dec 31 04:42	20°♎47'41			6982 Dec 10 23:25	0°♎	
	6982 Jan 06 02:37	0°♏		evening rise	6982 Dec 11 22:00	1°♎34'08	
	6982 Jan 27 08:25	0°♏			6982 Dec 30 11:23	0°♏	
evening max el	6982 Feb 01 22:36	6°♏21'19	22°20'44	evening max el	6983 Jan 15 13:29	20°♏03'41	23°40'47
retrograde	6982 Feb 11 14:33	12°♏05'37		retrograde	6983 Jan 26 08:19	26°♏25'16	
asc. node	6982 Feb 13 23:48	11°♏36'16		evening set	6983 Jan 31 11:12	24°♏17'42	
evening set	6982 Feb 16 05:13	10°♏12'58		asc. node	6983 Jan 31 20:51	23°♏56'31	
inferior conj	6982 Feb 21 13:30	3°♏51'10	2°17'10	inferior conj	6983 Feb 05 21:40	17°♏51'01	1°36'21
minimum elong	6982 Feb 21 11:12	3°♏59'11	2°16'31	minimum elong	6983 Feb 05 19:42	17°♏57'43	1°35'41
min. Earth dist.	6982 Feb 21 10:37	4°♏01'12	0.68291 AU	min. Earth dist.	6983 Feb 05 07:21	18°♏39'54	0.68171 AU
	6982 Feb 24 11:18	30°♏		morning rise	6983 Feb 11 04:09	11°♏46'19	
morning rise	6982 Feb 26 17:02	27°♏41'05		direct	6983 Feb 15 07:19	10°♏10'17	
direct	6982 Mar 03 09:58	25°♏42'25		morning max el	6983 Feb 23 11:24	14°♏51'10	20°45'55
	6982 Mar 11 12:30	0°♐			6983 Mar 07 11:32	0°♐	
morning max el	6982 Mar 12 17:40	1°♐10'25	22°06'26	desc. node	6983 Mar 08 05:27	1°♐03'40	
desc. node	6982 Mar 21 08:26	11°♐25'01		morning set	6983 Mar 25 03:10	26°♐24'59	
	6982 Apr 03 09:51	0°♑			6983 Mar 27 10:06	0°♑	
morning set	6982 Apr 14 20:11	17°♑47'37		max. Earth dist.	6983 Apr 02 12:39	9°♑44'59	1.43082 AU
max. Earth dist.	6982 Apr 20 07:36	26°♑48'05	1.41128 AU				
	6982 Apr 22 05:04	0°♒		superior conj	6983 Apr 09 07:53	20°♑58'45	-2°09'03
superior conj	6982 Apr 28 02:05	10°♒12'27	-1°54'15	minimum elong	6983 Apr 09 10:22	21°♑09'13	2°09'01
minimum elong	6982 Apr 28 07:23	10°♒35'59	1°53'51		6983 Apr 14 14:39	0°♒	
evening rise	6982 May 08 13:15	29°♒21'30		evening rise	6983 Apr 21 07:38	11°♒47'13	
	6982 May 08 21:32	0°♓		asc. node	6983 Apr 29 20:01	26°♒36'55	
asc. node	6982 May 12 22:58	7°♓29'19			6983 May 01 22:34	0°♓	

evening max el	6983 May 08 05:12	8° Π 12'06	18°05'50		6984 Apr 06 05:13	0° \mathcal{B}	
retrograde	6983 May 14 18:12	11° Π 33'57		asc. node	6984 Apr 15 17:05	15° \mathcal{B} 14'45	
evening set	6983 May 17 10:13	11° Π 00'07		evening max el	6984 Apr 20 18:21	21° \mathcal{B} 32'24	18°14'45
inferior conj	6983 May 23 22:10	5° Π 58'07	2°48'34	retrograde	6984 Apr 27 03:47	24° \mathcal{B} 56'31	
minimum elong	6983 May 24 01:01	5° Π 51'02	2°47'54	evening set	6984 Apr 30 02:34	24° \mathcal{B} 10'09	
min. Earth dist.	6983 May 27 00:44	2° Π 54'22	0.61432 AU	inferior conj	6984 May 06 02:31	18° \mathcal{B} 49'19	3°17'34
morning rise	6983 May 30 13:45	29° \mathcal{B} 58'39		minimum elong	6984 May 06 04:04	18° \mathcal{B} 44'58	3°17'20
	6983 May 30 12:58	30° \mathcal{R} \mathcal{B}		min. Earth dist.	6984 May 08 15:43	15° \mathcal{B} 59'05	0.63539 AU
desc. node	6983 Jun 04 04:47	27° \mathcal{B} 53'17		morning rise	6984 May 12 04:23	12° \mathcal{B} 38'23	
direct	6983 Jun 06 06:58	27° \mathcal{B} 40'06		direct	6984 May 18 23:21	9° \mathcal{B} 58'54	
	6983 Jun 13 13:10	0° Π		desc. node	6984 May 21 01:48	10° \mathcal{B} 12'43	
morning max el	6983 Jun 20 12:09	5° Π 39'28	27°53'45	morning max el	6984 Jun 01 20:30	17° \mathcal{B} 59'53	27°43'24
	6983 Jul 08 18:48	0° \mathcal{B}			6984 Jun 11 21:41	0° Π	
morning set	6983 Jul 23 16:52	27° \mathcal{B} 23'40			6984 Jun 30 15:34	0° \mathcal{B}	
	6983 Jul 24 23:04	0° Ω		morning set	6984 Jul 06 13:10	11° \mathcal{B} 18'43	
asc. node	6983 Jul 26 19:18	3° Ω 53'18		max. Earth dist.	6984 Jul 11 15:18	21° \mathcal{B} 46'31	1.32750 AU
max. Earth dist.	6983 Jul 29 12:07	9° Ω 42'44	1.32028 AU	asc. node	6984 Jul 12 16:20	23° \mathcal{B} 59'21	
superior conj	6983 Jul 31 02:10	13° Ω 10'52	0°42'56	superior conj	6984 Jul 14 09:19	27° \mathcal{B} 38'55	0°17'28
minimum elong	6983 Jul 31 00:23	13° Ω 01'04	0°42'32	minimum elong	6984 Jul 14 08:28	27° \mathcal{B} 34'25	0°17'14
evening rise	6983 Aug 06 21:28	28° Ω 02'59			6984 Jul 15 11:26	0° Ω	
	6983 Aug 07 19:28	0° \mathcal{M}		evening rise	6984 Jul 21 09:12	12° Ω 45'39	
	6983 Aug 24 16:30	0° \mathcal{B}			6984 Jul 30 01:51	0° \mathcal{M}	
desc. node	6983 Aug 31 03:58	7° \mathcal{B} 54'30		evening max el	6984 Aug 13 05:59	19° \mathcal{M} 48'39	23°10'41
evening max el	6983 Sep 01 18:19	9° \mathcal{B} 30'44	24°48'16	desc. node	6984 Aug 17 01:00	23° \mathcal{M} 01'12	
retrograde	6983 Sep 15 14:51	16° \mathcal{B} 29'34		retrograde	6984 Aug 26 16:03	26° \mathcal{M} 31'39	
evening set	6983 Sep 21 00:38	15° \mathcal{B} 23'54		evening set	6984 Aug 30 13:47	25° \mathcal{M} 58'16	
min. Earth dist.	6983 Sep 26 05:33	12° \mathcal{B} 38'28	0.56976 AU	min. Earth dist.	6984 Sep 06 14:58	22° \mathcal{M} 44'37	0.55482 AU
inferior conj	6983 Sep 29 00:18	10° \mathcal{B} 50'05	-5°25'57	inferior conj	6984 Sep 08 08:10	21° \mathcal{M} 44'40	-5°15'57
minimum elong	6983 Sep 29 02:19	10° \mathcal{B} 46'46	5°25'51	minimum elong	6984 Sep 08 03:08	21° \mathcal{M} 52'00	5°15'23
morning rise	6983 Oct 07 06:14	6° \mathcal{B} 43'08		morning rise	6984 Sep 16 18:44	17° \mathcal{M} 53'52	
direct	6983 Oct 09 19:55	6° \mathcal{B} 24'35		direct	6984 Sep 19 18:09	17° \mathcal{M} 32'47	
morning max el	6983 Oct 19 03:02	10° \mathcal{B} 48'15	19°19'43	morning max el	6984 Sep 30 14:06	22° \mathcal{M} 35'55	20°33'32
asc. node	6983 Oct 22 18:41	14° \mathcal{B} 54'22			6984 Oct 06 19:42	0° \mathcal{B}	
	6983 Nov 01 00:02	0° \mathcal{M}		asc. node	6984 Oct 08 15:43	2° \mathcal{B} 44'52	
morning set	6983 Nov 05 05:12	8° \mathcal{M} 14'44		morning set	6984 Oct 19 11:56	22° \mathcal{B} 54'45	
					6984 Oct 22 22:07	0° \mathcal{M}	
superior conj	6983 Nov 13 07:32	24° \mathcal{M} 21'12	1°28'44	superior conj	6984 Oct 27 00:07	8° \mathcal{M} 24'35	1°39'16
minimum elong	6983 Nov 13 10:13	24° \mathcal{M} 34'17	1°28'34	minimum elong	6984 Oct 27 01:26	8° \mathcal{M} 31'13	1°39'15
	6983 Nov 16 06:02	0° \mathcal{A}		max. Earth dist.	6984 Nov 01 03:13	18° \mathcal{M} 36'15	1.36165 AU
max. Earth dist.	6983 Nov 19 19:44	6° \mathcal{A} 38'32	1.38203 AU	evening rise	6984 Nov 05 01:07	25° \mathcal{M} 59'46	
evening rise	6983 Nov 23 13:36	13° \mathcal{A} 20'06			6984 Nov 07 05:56	0° \mathcal{A}	
desc. node	6983 Nov 27 03:07	19° \mathcal{A} 26'59		desc. node	6984 Nov 13 00:09	9° \mathcal{A} 57'28	
	6983 Dec 03 15:02	0° \mathcal{B}			6984 Nov 26 02:31	0° \mathcal{B}	
	6983 Dec 25 12:01	0° \approx		evening max el	6984 Dec 10 15:30	17° \mathcal{B} 34'25	26°06'36
evening max el	6983 Dec 29 02:38	3° \approx 48'59	24°58'26	retrograde	6984 Dec 23 06:52	24° \mathcal{B} 44'53	
retrograde	6984 Jan 09 21:58	10° \approx 40'07		evening set	6984 Dec 29 11:43	22° \mathcal{B} 12'50	
evening set	6984 Jan 15 13:56	8° \approx 18'49		min. Earth dist.	6985 Jan 02 17:11	17° \mathcal{B} 44'16	0.66803 AU
asc. node	6984 Jan 18 17:56	4° \approx 58'18		inferior conj	6985 Jan 04 06:07	15° \mathcal{B} 49'53	-0°07'28
min. Earth dist.	6984 Jan 20 02:17	3° \approx 15'28	0.67672 AU	minimum elong	6985 Jan 04 06:19	15° \mathcal{B} 49'17	0°07'19
inferior conj	6984 Jan 21 03:49	1° \approx 51'34	0°47'54	transit middle	6985 Jan 04 06:19	15° \mathcal{B} 49'17	0°07'19
minimum elong	6984 Jan 21 02:41	1° \approx 55'18	0°47'30	transit begin	6985 Jan 04 03:46	15° \mathcal{B} 57'11	
	6984 Jan 22 14:22	30° \mathcal{R} \mathcal{B}		transit end	6985 Jan 04 08:51	15° \mathcal{B} 41'24	
morning rise	6984 Jan 26 15:40	25° \mathcal{B} 54'01		asc. node	6985 Jan 04 14:58	15° \mathcal{B} 22'30	
direct	6984 Jan 30 06:07	24° \mathcal{B} 39'26		morning rise	6985 Jan 10 01:32	10° \mathcal{B} 01'36	
morning max el	6984 Feb 06 13:07	28° \mathcal{B} 43'52	19°38'13	direct	6985 Jan 13 04:50	9° \mathcal{B} 05'34	
	6984 Feb 07 18:22	0° \approx		morning max el	6985 Jan 19 22:20	12° \mathcal{B} 45'58	18°45'53
greatest brilliancy	6984 Feb 19 09:17	15° \approx 33'36	-0.7m		6985 Feb 01 15:09	0° \approx	
desc. node	6984 Feb 23 02:26	21° \approx 06'19		desc. node	6985 Feb 08 23:27	11° \approx 26'47	
	6984 Feb 28 22:48	0° \mathcal{H}		morning set	6985 Feb 10 11:48	13° \approx 49'18	
morning set	6984 Mar 03 00:06	4° \mathcal{H} 41'39			6985 Feb 20 19:41	0° \mathcal{H}	
max. Earth dist.	6984 Mar 15 01:03	23° \mathcal{H} 29'30	1.44533 AU	max. Earth dist.	6985 Feb 25 18:19	7° \mathcal{H} 44'27	1.45323 AU
	6984 Mar 19 02:56	0° \mathcal{Y}					
superior conj	6984 Mar 19 12:28	0° \mathcal{Y} 38'21	-2°07'52	superior conj	6985 Feb 26 21:13	9° \mathcal{H} 29'54	-1°46'43
minimum elong	6984 Mar 19 08:41	0° \mathcal{Y} 23'06	2°07'45	minimum elong	6985 Feb 26 12:02	8° \mathcal{H} 53'56	1°45'56
evening rise	6984 Apr 02 06:11	23° \mathcal{Y} 18'59			6985 Mar 11 19:39	0° \mathcal{Y}	

































































































































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greatest brilliancy	6985 Mar 21 02:55	14° Υ 57'51	-0.9m				
	6985 Mar 31 00:55	0° \mathcal{B}		superior conj	6986 Feb 06 02:19	18° \approx 19'04	-1°08'28
asc. node	6985 Apr 02 14:08	3° \mathcal{B} 13'34		minimum elong	6986 Feb 05 18:18	17° \approx 47'31	1°07'25
evening max el	6985 Apr 04 05:53	5° \mathcal{B} 02'08	18°41'53	max. Earth dist.	6986 Feb 08 13:29	22° \approx 11'34	1.45375 AU
retrograde	6985 Apr 10 20:44	8° \mathcal{B} 41'19			6986 Feb 13 13:20	0° \mathcal{H}	
evening set	6985 Apr 14 02:26	7° \mathcal{B} 41'32		evening rise	6986 Feb 22 06:57	13° \mathcal{H} 35'33	
inferior conj	6985 Apr 19 18:09	2° \mathcal{B} 03'40	3°27'10		6986 Mar 04 21:40	0° Υ	
minimum elong	6985 Apr 19 18:16	2° \mathcal{B} 03'21	3°27'08	greatest brilliancy	6986 Mar 06 14:37	2° Υ 35'15	-0.7m
	6985 Apr 21 10:30	30° $\mathcal{R}\Upsilon$		evening max el	6986 Mar 18 13:39	18° Υ 36'41	19°26'07
min. Earth dist.	6985 Apr 21 16:02	29° Υ 43'22	0.65331 AU	asc. node	6986 Mar 20 11:09	20° Υ 21'46	
morning rise	6985 Apr 25 09:28	25° Υ 47'48		retrograde	6986 Mar 25 17:40	22° Υ 42'00	
direct	6985 May 01 23:27	22° Υ 59'42		evening set	6986 Mar 29 07:02	21° Υ 28'02	
desc. node	6985 May 07 22:50	24° Υ 51'38		inferior conj	6986 Apr 03 17:41	15° Υ 34'54	3°21'46
	6985 May 14 10:16	0° \mathcal{B}		minimum elong	6986 Apr 03 16:35	15° Υ 38'30	3°21'40
morning max el	6985 May 15 06:51	0° \mathcal{B} 51'04	26°59'43	min. Earth dist.	6986 Apr 05 00:27	13° Υ 54'15	0.66717 AU
	6985 Jun 05 22:50	0° \mathcal{I}		morning rise	6986 Apr 09 01:48	9° Υ 18'15	
morning set	6985 Jun 19 23:35	24° \mathcal{I} 42'19		direct	6986 Apr 15 05:59	6° Υ 33'44	
	6985 Jun 22 16:40	0° \mathcal{E}		desc. node	6986 Apr 24 19:51	11° Υ 17'43	
max. Earth dist.	6985 Jun 24 09:01	3° \mathcal{E} 21'58	1.33944 AU	morning max el	6986 Apr 27 16:43	14° Υ 00'15	25°50'48
					6986 May 10 16:45	0° \mathcal{B}	
superior conj	6985 Jun 28 11:05	11° \mathcal{E} 47'02	-0°11'10		6986 May 29 17:26	0° \mathcal{I}	
minimum elong	6985 Jun 28 11:41	11° \mathcal{E} 50'11	0°11'07	morning set	6986 Jun 02 20:13	7° \mathcal{I} 23'31	
behind sun begin	6985 Jun 28 07:34	11° \mathcal{E} 28'39		max. Earth dist.	6986 Jun 06 15:22	14° \mathcal{I} 31'03	1.35604 AU
behind sun end	6985 Jun 28 15:48	12° \mathcal{E} 11'45					
asc. node	6985 Jun 29 13:21	14° \mathcal{E} 05'06		superior conj	6986 Jun 12 04:55	25° \mathcal{I} 28'23	-0°41'47
evening rise	6985 Jul 05 19:40	27° \mathcal{E} 20'40		minimum elong	6986 Jun 12 07:20	25° \mathcal{I} 40'34	0°41'24
	6985 Jul 07 02:14	0° \mathcal{Q}			6986 Jun 14 10:21	0° \mathcal{E}	
	6985 Jul 25 17:58	0° \mathcal{M}		asc. node	6986 Jun 16 10:22	4° \mathcal{E} 06'43	
evening max el	6985 Jul 25 22:31	0° \mathcal{M} 11'15	21°35'05	evening rise	6986 Jun 20 02:45	11° \mathcal{E} 42'00	
desc. node	6985 Aug 03 22:02	5° \mathcal{M} 51'27			6986 Jun 29 18:26	0° \mathcal{Q}	
retrograde	6985 Aug 07 07:02	6° \mathcal{M} 18'40		evening max el	6986 Jul 08 02:50	11° \mathcal{Q} 08'24	20°13'40
evening set	6985 Aug 09 20:23	6° \mathcal{M} 03'49		retrograde	6986 Jul 18 20:10	16° \mathcal{Q} 24'45	
inferior conj	6985 Aug 19 02:48	2° \mathcal{M} 04'14	-4°12'10	evening set	6986 Jul 20 18:30	16° \mathcal{Q} 15'15	
minimum elong	6985 Aug 18 17:33	2° \mathcal{M} 17'12	4°09'46	desc. node	6986 Jul 21 19:04	16° \mathcal{Q} 02'50	
min. Earth dist.	6985 Aug 19 00:17	2° \mathcal{M} 07'46	0.54756 AU	inferior conj	6986 Jul 29 21:28	12° \mathcal{Q} 17'10	-2°25'36
	6985 Aug 22 23:22	30° $\mathcal{R}\mathcal{Q}$		minimum elong	6986 Jul 29 14:46	12° \mathcal{Q} 27'03	2°23'14
morning rise	6985 Aug 27 15:48	28° \mathcal{Q} 13'01		min. Earth dist.	6986 Jul 31 11:26	11° \mathcal{Q} 21'11	0.54986 AU
direct	6985 Aug 31 03:46	27° \mathcal{Q} 46'24		morning rise	6986 Aug 07 09:46	8° \mathcal{Q} 05'17	
	6985 Sep 07 18:38	0° \mathcal{M}		direct	6986 Aug 11 14:42	7° \mathcal{Q} 26'57	
morning max el	6985 Sep 12 13:02	3° \mathcal{M} 37'02	22°06'47	morning max el	6986 Aug 25 03:42	14° \mathcal{Q} 03'43	23°51'03
asc. node	6985 Sep 25 12:44	21° \mathcal{M} 18'36			6986 Sep 06 12:25	0° \mathcal{M}	
	6985 Sep 30 03:36	0° \mathcal{A}		asc. node	6986 Sep 12 09:45	10° \mathcal{M} 25'08	
morning set	6985 Oct 03 22:00	7° \mathcal{A} 42'41		morning set	6986 Sep 18 09:35	22° \mathcal{M} 33'40	
					6986 Sep 21 20:32	0° \mathcal{A}	
superior conj	6985 Oct 11 01:19	22° \mathcal{A} 51'57	1°42'15				
minimum elong	6985 Oct 11 01:14	22° \mathcal{A} 51'33	1°42'17	superior conj	6986 Sep 25 08:13	7° \mathcal{A} 34'46	1°38'42
	6985 Oct 14 11:36	0° \mathcal{M}		minimum elong	6986 Sep 25 07:01	7° \mathcal{A} 28'16	1°38'39
max. Earth dist.	6985 Oct 14 17:16	0° \mathcal{M} 29'02	1.34439 AU	max. Earth dist.	6986 Sep 27 16:01	12° \mathcal{A} 34'50	1.33130 AU
evening rise	6985 Oct 19 04:30	9° \mathcal{M} 22'23		evening rise	6986 Oct 02 19:58	23° \mathcal{A} 18'08	
desc. node	6985 Oct 30 21:10	0° \mathcal{A} 12'43			6986 Oct 06 05:51	0° \mathcal{M}	
	6985 Oct 30 18:03	0° \mathcal{A}		desc. node	6986 Oct 17 18:11	20° \mathcal{M} 06'05	
	6985 Nov 21 23:03	0° \mathcal{B}			6986 Oct 24 10:07	0° \mathcal{A}	
evening max el	6985 Nov 23 04:26	1° \mathcal{B} 12'20	26°58'04	evening max el	6986 Nov 05 16:37	14° \mathcal{A} 32'40	27°25'32
retrograde	6985 Dec 06 10:12	8° \mathcal{B} 31'19		retrograde	6986 Nov 19 07:14	21° \mathcal{A} 51'08	
evening set	6985 Dec 13 02:29	5° \mathcal{B} 53'45		evening set	6986 Nov 26 07:45	19° \mathcal{A} 15'46	
min. Earth dist.	6985 Dec 17 01:51	1° \mathcal{B} 59'46	0.65574 AU	min. Earth dist.	6986 Nov 30 02:05	15° \mathcal{A} 54'35	0.64013 AU
	6985 Dec 18 19:41	30° $\mathcal{R}\mathcal{A}$		inferior conj	6986 Dec 02 14:10	13° \mathcal{A} 18'25	-2°14'43
inferior conj	6985 Dec 19 02:23	29° \mathcal{A} 40'42	-1°08'54	minimum elong	6986 Dec 02 18:16	13° \mathcal{A} 07'44	2°13'02
minimum elong	6985 Dec 19 04:23	29° \mathcal{A} 34'59	1°07'59	morning rise	6986 Dec 09 06:23	7° \mathcal{A} 56'26	
asc. node	6985 Dec 22 12:01	26° \mathcal{A} 04'32		asc. node	6986 Dec 09 09:03	7° \mathcal{A} 53'48	
morning rise	6985 Dec 25 07:24	24° \mathcal{A} 04'03		direct	6986 Dec 11 17:36	7° \mathcal{A} 26'00	
direct	6985 Dec 28 01:28	23° \mathcal{A} 22'49		morning max el	6986 Dec 18 05:45	10° \mathcal{A} 49'55	17°51'12
morning max el	6986 Jan 03 12:48	26° \mathcal{A} 50'19	18°10'00		6986 Dec 31 07:08	0° \mathcal{B}	
	6986 Jan 06 07:51	0° \mathcal{B}		morning set	6987 Jan 04 00:31	6° \mathcal{B} 20'40	
morning set	6986 Jan 22 04:09	24° \mathcal{B} 23'54		desc. node	6987 Jan 13 17:26	22° \mathcal{B} 39'54	
	6986 Jan 25 14:55	0° \approx					

superior conj	6987 Jan 16 22:48	27° S 56'16	-0°22'54	superior conj	6987 Dec 28 20:38	8° S 47'37	0°19'48
minimum elong	6987 Jan 16 20:12	27° S 45'44	0°22'28	minimum elong	6987 Dec 28 22:27	8° S 55'20	0°19'35
	6987 Jan 18 05:22	0° \approx		desc. node	6987 Dec 31 14:27	13° S 25'04	
max. Earth dist.	6987 Jan 22 08:15	6° \approx 35'39	1.44696 AU	max. Earth dist.	6988 Jan 05 00:16	20° S 40'51	1.43363 AU
evening rise	6987 Feb 01 18:57	22° \approx 52'46			6988 Jan 10 20:20	0° \approx	
	6987 Feb 06 10:55	0° H		evening rise	6988 Jan 12 08:40	2° \approx 22'01	
	6987 Feb 27 15:27	0° Y			6988 Jan 30 23:06	0° H	
evening max el	6987 Mar 01 16:19	2° Y 13'12	20°25'19	evening max el	6988 Feb 12 13:33	15° H 51'09	21°36'18
asc. node	6987 Mar 07 08:11	6° Y 25'12		retrograde	6988 Feb 21 13:47	21° H 11'30	
retrograde	6987 Mar 09 15:59	6° Y 53'18		asc. node	6988 Feb 22 05:14	21° H 09'20	
evening set	6987 Mar 13 14:11	5° Y 24'28		evening set	6988 Feb 25 22:09	19° H 27'21	
	6987 Mar 18 10:01	30° R H		inferior conj	6988 Mar 02 05:52	13° H 10'14	2°37'01
inferior conj	6987 Mar 18 22:19	29° H 18'05	3°04'23	minimum elong	6988 Mar 02 03:34	13° H 18'12	2°36'26
minimum elong	6987 Mar 18 20:25	29° H 24'37	3°04'03	min. Earth dist.	6988 Mar 02 09:45	12° H 56'41	0.68181 AU
min. Earth dist.	6987 Mar 19 15:02	28° H 21'01	0.67667 AU	morning rise	6988 Mar 07 08:50	6° H 58'08	
morning rise	6987 Mar 24 02:25	23° H 02'57		direct	6988 Mar 12 10:01	4° H 46'53	
direct	6987 Mar 29 17:49	20° H 31'57		morning max el	6988 Mar 22 11:10	10° H 43'47	22°56'53
morning max el	6987 Apr 10 01:28	27° H 18'17	24°26'26	desc. node	6988 Mar 28 13:51	17° H 41'51	
desc. node	6987 Apr 11 16:51	29° H 01'38			6988 Apr 06 17:12	0° Y	
	6987 Apr 12 14:02	0° Y		morning set	6988 Apr 25 22:58	29° Y 40'09	
	6987 May 04 08:25	0° B			6988 Apr 26 03:45	0° B	
morning set	6987 May 15 21:53	19° B 07'21		max. Earth dist.	6988 Apr 30 09:24	7° B 09'35	1.39878 AU
max. Earth dist.	6987 May 19 13:08	25° B 35'21	1.37650 AU				
	6987 May 21 22:55	0° II		superior conj	6988 May 08 02:53	20° B 53'08	-1°40'48
				minimum elong	6988 May 08 08:20	21° B 18'06	1°40'14
superior conj	6987 May 26 11:32	8° II 33'32	-1°12'37		6988 May 13 00:18	0° II	
minimum elong	6987 May 26 15:48	8° II 54'10	1°12'01	evening rise	6988 May 17 20:22	9° II 12'51	
asc. node	6987 Jun 03 07:22	23° II 59'23		asc. node	6988 May 20 04:24	13° II 39'03	
evening rise	6987 Jun 04 03:59	25° II 41'49			6988 May 29 17:21	0° S	
	6987 Jun 06 08:22	0° S		evening max el	6988 Jun 02 23:06	5° S 08'05	18°30'21
evening max el	6987 Jun 20 19:52	22° S 48'24	19°11'42	retrograde	6988 Jun 10 15:36	8° S 57'13	
retrograde	6987 Jun 29 20:28	27° S 14'52		evening set	6988 Jun 12 20:06	8° S 39'37	
evening set	6987 Jul 01 18:51	27° S 03'31		inferior conj	6988 Jun 20 10:58	4° S 09'24	1°10'46
desc. node	6987 Jul 08 16:07	23° S 54'49		minimum elong	6988 Jun 20 13:21	4° S 04'42	1°09'53
inferior conj	6987 Jul 10 05:43	22° S 52'45	-0°28'24	min. Earth dist.	6988 Jun 23 19:48	1° S 31'28	0.57961 AU
minimum elong	6987 Jul 10 04:29	22° S 54'48	0°27'59	desc. node	6988 Jun 24 13:09	0° S 59'41	
min. Earth dist.	6987 Jul 13 01:18	20° S 59'51	0.56132 AU		6988 Jun 26 00:13	30° R II	
morning rise	6987 Jul 18 11:09	18° S 06'27		morning rise	6988 Jun 28 03:16	28° II 47'15	
direct	6987 Jul 23 12:44	17° S 07'15		direct	6988 Jul 04 00:52	27° II 18'14	
morning max el	6987 Aug 06 16:45	24° S 20'29	25°32'15		6988 Jul 12 06:47	0° S	
	6987 Aug 11 21:21	0° Q		morning max el	6988 Jul 18 10:13	4° S 57'13	26°53'44
asc. node	6987 Aug 30 06:44	29° Q 55'17			6988 Aug 05 19:09	0° Q	
	6987 Aug 30 07:41	0° M		asc. node	6988 Aug 16 03:45	19° Q 42'25	
morning set	6987 Sep 02 21:01	7° M 22'17		morning set	6988 Aug 17 06:44	22° Q 03'50	
					6988 Aug 20 23:05	0° M	
superior conj	6987 Sep 09 18:31	22° M 25'11	1°29'24				
minimum elong	6987 Sep 09 16:34	22° M 14'28	1°29'12	superior conj	6988 Aug 24 06:16	7° M 17'13	1°14'58
max. Earth dist.	6987 Sep 10 22:05	24° M 56'42	1.32256 AU	minimum elong	6988 Aug 24 04:01	7° M 04'40	1°14'37
	6987 Sep 13 05:48	0° L		max. Earth dist.	6988 Aug 24 08:13	7° M 28'00	1.31818 AU
evening rise	6987 Sep 16 20:06	7° L 37'06		evening rise	6988 Aug 31 02:15	22° M 11'29	
	6987 Sep 28 16:47	0° M			6988 Sep 03 21:17	0° L	
desc. node	6987 Oct 04 15:14	9° M 28'18		desc. node	6988 Sep 20 12:17	28° L 06'41	
evening max el	6987 Oct 19 01:50	27° M 22'01	27°22'56		6988 Sep 21 21:56	0° M	
	6987 Oct 22 02:40	0° J		evening max el	6988 Sep 30 05:09	9° M 27'15	26°46'44
retrograde	6987 Nov 01 21:02	4° J 35'36		retrograde	6988 Oct 14 02:47	16° M 35'58	
evening set	6987 Nov 09 00:16	2° J 12'06		evening set	6988 Oct 20 23:49	14° M 35'32	
	6987 Nov 11 21:10	30° R M		min. Earth dist.	6988 Oct 24 19:08	11° M 58'57	0.60114 AU
min. Earth dist.	6987 Nov 12 16:03	29° M 18'39	0.62161 AU	inferior conj	6988 Oct 28 00:02	9° M 23'22	-4°24'14
inferior conj	6987 Nov 15 14:32	26° M 35'46	-3°21'47	minimum elong	6988 Oct 28 06:55	9° M 09'23	4°22'28
minimum elong	6987 Nov 15 20:36	26° M 21'43	3°19'41	morning rise	6988 Nov 04 16:13	4° M 41'07	
morning rise	6987 Nov 22 18:53	21° M 31'55		direct	6988 Nov 06 22:31	4° M 21'55	
direct	6987 Nov 25 01:58	21° M 08'40		asc. node	6988 Nov 12 03:08	6° M 08'41	
asc. node	6987 Nov 26 06:05	21° M 14'54		morning max el	6988 Nov 14 10:45	8° M 04'16	18°08'34
morning max el	6987 Dec 01 22:11	24° M 37'29	17°50'21		6988 Nov 28 13:25	0° J	
	6987 Dec 06 07:34	0° J		morning set	6988 Nov 30 04:24	3° J 02'31	
morning set	6987 Dec 17 18:41	19° J 19'54					
	6987 Dec 23 18:37	0° S		superior conj	6988 Dec 09 19:24	20° J 50'43	0°54'10

































































































































minimum elong	6988 Dec 09 22:57	21°  06'36	0°53'46	minimum elong	6989 Nov 22 17:42	4°  07'50	1°18'30
	6988 Dec 15 00:27	0° 		max. Earth dist.	6989 Nov 29 17:22	16°  54'55	1.39433 AU
desc. node	6988 Dec 17 11:27	4°  10'58		evening rise	6989 Dec 03 16:32	23°  46'57	
max. Earth dist.	6988 Dec 17 11:09	4°  09'43	1.41532 AU	desc. node	6989 Dec 04 08:29	24°  54'24	
evening rise	6988 Dec 22 13:37	12°  34'37			6989 Dec 07 10:07	0° 	
	6989 Jan 02 19:24	0° 			6989 Dec 27 15:29	0° 	
evening max el	6989 Jan 25 06:03	29°  30'35	22°54'38	evening max el	6990 Jan 07 19:48	13°  13'39	24°14'30
	6989 Jan 25 17:54	0° 		retrograde	6990 Jan 19 01:47	19°  49'46	
retrograde	6989 Feb 04 09:29	5°  31'42		evening set	6990 Jan 24 10:06	17°  36'05	
asc. node	6989 Feb 08 02:19	4°  22'16		asc. node	6990 Jan 25 23:23	16°  05'55	
evening set	6989 Feb 09 05:18	3°  32'21		min. Earth dist.	6990 Jan 29 02:43	12°  12'44	0.67999 AU
	6989 Feb 12 11:26	30° 		inferior conj	6990 Jan 29 21:50	11°  08'17	1°16'42
inferior conj	6989 Feb 14 14:18	27°  07'49	2°00'50	minimum elong	6990 Jan 29 20:10	11°  13'55	1°16'06
minimum elong	6989 Feb 14 12:05	27°  15'29	2°00'08	morning rise	6990 Feb 04 06:19	5°  06'16	
min. Earth dist.	6989 Feb 14 06:24	27°  35'09	0.68283 AU	direct	6990 Feb 08 03:48	3°  39'46	
morning rise	6989 Feb 19 18:48	21°  00'00		morning max el	6990 Feb 15 22:14	8°  04'10	20°15'19
direct	6989 Feb 24 05:42	19°  11'13		desc. node	6990 Mar 02 07:51	26°  51'48	
morning max el	6989 Mar 05 01:09	24°  18'14	21°30'59		6990 Mar 04 10:58	0° 	
	6989 Mar 10 01:58	0° 		morning set	6990 Mar 15 19:47	17°  14'14	
desc. node	6989 Mar 15 10:51	7°  02'12			6990 Mar 23 23:12	0° 	
	6989 Mar 31 03:02	0° 		max. Earth dist.	6990 Mar 25 17:45	2°  49'54	1.43765 AU
morning set	6989 Apr 05 20:03	8°  09'54'50					
max. Earth dist.	6989 Apr 12 10:03	19°  33'43	1.42003 AU	superior conj	6990 Mar 31 17:11	12°  32'33	-2°10'50
	6989 Apr 18 14:47	0° 		minimum elong	6990 Mar 31 17:19	12°  33'06	2°10'52
					6990 Apr 11 01:09	0° 	
superior conj	6989 Apr 19 22:10	2°  15'33	-2°02'06	evening rise	6990 Apr 13 10:30	4°  08'25	
minimum elong	6989 Apr 20 02:45	2°  35'22	2°01'51	asc. node	6990 Apr 23 22:31	21°  05'11	
evening rise	6989 May 01 00:03	22°  05'08			6990 Apr 29 19:02	0° 	
	6989 May 05 08:46	0° 		evening max el	6990 Apr 30 21:48	1°  10'43	18°07'26
asc. node	6989 May 07 01:27	3°  00'12		retrograde	6990 May 07 08:12	4°  31'54	
evening max el	6989 May 17 08:55	17°  11'58'37	18°09'12	evening set	6990 May 10 03:03	3°  11'53'00	
retrograde	6989 May 24 04:53	21°  12'26'13			6990 May 15 03:33	30° 	
evening set	6989 May 26 16:39	20°  11'59'06		inferior conj	6990 May 16 09:26	28°  03'43'08	3°03'32
inferior conj	6989 Jun 02 13:22	16°  11'08'36	2°20'58	minimum elong	6990 May 16 11:47	28°  03'36'57	3°03'04
minimum elong	6989 Jun 02 16:35	16°  11'01'13	2°20'03	min. Earth dist.	6990 May 19 06:56	25°  04'42'18	0.62352 AU
min. Earth dist.	6989 Jun 05 21:10	13°  11'06'54	0.60140 AU	morning rise	6990 May 22 18:49	22°  03'37'42	
morning rise	6989 Jun 09 13:49	10°  11'19'21		desc. node	6990 May 29 07:13	20°  08'08'42	
desc. node	6989 Jun 11 10:11	9°  11'20'02		direct	6990 May 29 13:47	20°  08'08'28	
direct	6989 Jun 16 02:03	8°  11'17'24		morning max el	6990 Jun 12 16:15	28°  10'35	27°53'48
morning max el	6989 Jun 30 10:23	16°  11'12'46	27°42'44		6990 Jun 14 10:21	0° 	
	6989 Jul 11 17:35	0° 			6990 Jul 05 12:46	0° 	
	6989 Jul 29 07:39	0° 		morning set	6990 Jul 16 13:35	20°  05'42'44	
morning set	6989 Aug 01 12:58	6°  03'33'03		asc. node	6990 Jul 20 21:47	29°  05'45'43	
asc. node	6989 Aug 03 00:46	9°  04'41'03			6990 Jul 21 00:27	0° 	
max. Earth dist.	6989 Aug 07 18:39	19°  05'57'59	1.31817 AU	max. Earth dist.	6990 Jul 22 01:24	2°  13'46	1.32272 AU
superior conj	6989 Aug 08 17:43	22°  05'11	0°55'53	superior conj	6990 Jul 24 02:59	6°  04'42'30	0°32'36
minimum elong	6989 Aug 08 15:37	21°  05'53'34	0°55'28	minimum elong	6990 Jul 24 01:32	6°  04'34'37	0°32'15
	6989 Aug 12 07:44	0° 		evening rise	6990 Jul 30 23:44	21°  09'39'06	
evening rise	6989 Aug 15 12:09	6°  09'54'31			6990 Aug 04 00:03	0° 	
	6989 Aug 27 11:38	0° 			6990 Aug 23 07:37	0° 	
desc. node	6989 Sep 07 09:19	15°  05'43'49		evening max el	6990 Aug 24 13:51	1°  05'15'36	24°07'38
evening max el	6989 Sep 12 00:44	20°  05'42'49	25°38'40	desc. node	6990 Aug 25 06:23	1°  05'54'34	
retrograde	6989 Sep 25 23:17	27°  05'46'57		retrograde	6990 Sep 07 07:52	8°  05'09'45	
evening set	6989 Oct 02 01:37	26°  05'19'56		evening set	6990 Sep 12 02:39	7°  05'19'17	
min. Earth dist.	6989 Oct 06 12:55	23°  05'43'05	0.58055 AU	min. Earth dist.	6990 Sep 18 00:37	4°  05'23'27	0.56265 AU
inferior conj	6989 Oct 09 15:19	21°  05'32'16	-5°11'38	inferior conj	6990 Sep 20 10:18	2°  05'54'24	-5°27'53
minimum elong	6989 Oct 09 20:16	21°  05'23'32	5°10'58	minimum elong	6990 Sep 20 09:27	2°  05'55'42	5°27'52
morning rise	6989 Oct 17 17:15	17°  05'13'02			6990 Sep 25 15:35	30° 	
direct	6989 Oct 20 02:44	16°  05'55'08		morning rise	6990 Sep 28 18:32	28°  05'55'22	
morning max el	6989 Oct 28 15:57	21°  05'00'54	18°47'25	direct	6990 Oct 01 11:44	28°  05'36'06	
asc. node	6989 Oct 30 00:10	22°  05'23'41			6990 Oct 06 22:58	0° 	
	6989 Nov 04 14:20	0° 		morning max el	6990 Oct 11 10:15	3°  05'15'52	19°48'20
morning set	6989 Nov 14 00:56	17°  05'11'15'16		asc. node	6990 Oct 16 21:12	9°  05'43'34	
	6989 Nov 20 13:44	0° 			6990 Oct 28 07:24	0° 	
				morning set	6990 Oct 29 04:44	1°  05'47'29	
superior conj	6989 Nov 22 14:24	3°  05'52'12	1°18'48				

superior conj	6990 Nov 06 00:21	17° \mathbb{M} 36'25	1°34'11	morning set	6991 Oct 13 13:07	16° \mathbb{A} 31'43	
minimum elong	6990 Nov 06 02:28	17° \mathbb{M} 46'58	1°34'05		6991 Oct 19 23:34	0° \mathbb{M}	
max. Earth dist.	6990 Nov 11 22:50	29° \mathbb{M} 04'18	1.37314 AU				
	6990 Nov 12 10:47	0° \mathbb{A}		superior conj	6991 Oct 20 20:58	1° \mathbb{M} 51'02	1°41'23
evening rise	6990 Nov 15 17:06	5° \mathbb{A} 57'22		minimum elong	6991 Oct 20 21:40	1° \mathbb{M} 54'39	1°41'24
desc. node	6990 Nov 21 05:31	15° \mathbb{A} 30'55		max. Earth dist.	6991 Oct 25 08:55	10° \mathbb{M} 58'24	1.35397 AU
	6990 Nov 30 08:06	0° \mathbb{B}		evening rise	6991 Oct 29 11:53	18° \mathbb{M} 56'47	
evening max el	6990 Dec 21 08:48	26° \mathbb{B} 59'55	25°29'05		6991 Nov 04 14:32	0° \mathbb{A}	
	6990 Dec 24 17:15	0° \mathbb{A}		desc. node	6991 Nov 08 02:32	5° \mathbb{A} 55'48	
retrograde	6991 Jan 02 13:34	4° \mathbb{A} 00'46			6991 Nov 24 11:13	0° \mathbb{B}	
evening set	6991 Jan 08 10:55	1° \mathbb{A} 34'43		evening max el	6991 Dec 03 21:57	10° \mathbb{B} 44'01	26°31'00
	6991 Jan 10 02:42	30° \mathbb{R} \mathbb{B}		retrograde	6991 Dec 16 19:58	17° \mathbb{B} 58'28	
asc. node	6991 Jan 12 20:27	26° \mathbb{B} 45'28		evening set	6991 Dec 23 05:57	15° \mathbb{B} 23'35	
min. Earth dist.	6991 Jan 12 20:21	26° \mathbb{B} 45'48	0.67344 AU	min. Earth dist.	6991 Dec 27 08:52	11° \mathbb{B} 09'43	0.66328 AU
inferior conj	6991 Jan 14 02:37	25° \mathbb{B} 08'34	0°25'13	inferior conj	6991 Dec 29 02:37	9° \mathbb{B} 04'23	-0°32'52
minimum elong	6991 Jan 14 01:59	25° \mathbb{B} 10'36	0°25'01	minimum elong	6991 Dec 29 03:31	9° \mathbb{B} 01'39	0°32'25
morning rise	6991 Jan 19 17:23	19° \mathbb{B} 14'23		asc. node	6991 Dec 30 17:29	7° \mathbb{B} 10'09	
direct	6991 Jan 23 02:52	18° \mathbb{B} 08'02		morning rise	6992 Jan 04 01:52	3° \mathbb{B} 20'32	
morning max el	6991 Jan 30 03:13	22° \mathbb{B} 01'01	19°13'54	direct	6992 Jan 07 01:05	2° \mathbb{B} 31'07	
	6991 Feb 05 16:46	0° \mathbb{A}		morning max el	6992 Jan 13 14:54	6° \mathbb{B} 04'30	18°28'31
greatest brilliancy	6991 Feb 12 11:31	9° \mathbb{A} 51'30	-0.7m		6992 Jan 30 08:55	0° \mathbb{A}	
desc. node	6991 Feb 17 04:51	17° \mathbb{A} 02'49		morning set	6992 Feb 02 19:22	5° \mathbb{A} 27'52	
morning set	6991 Feb 22 20:09	25° \mathbb{A} 44'29		desc. node	6992 Feb 04 01:51	7° \mathbb{A} 29'00	
	6991 Feb 25 14:04	0° \mathbb{H}			6992 Feb 18 08:38	0° \mathbb{H}	
max. Earth dist.	6991 Mar 08 08:14	16° \mathbb{H} 48'29	1.44953 AU				
				superior conj	6992 Feb 18 16:40	0° \mathbb{H} 31'29	-1°32'06
superior conj	6991 Mar 11 12:04	21° \mathbb{H} 48'18	-2°01'23	minimum elong	6992 Feb 18 07:07	29° \mathbb{A} 54'04	1°31'05
minimum elong	6991 Mar 11 05:27	21° \mathbb{H} 22'03	2°01'01	max. Earth dist.	6992 Feb 19 03:07	1° \mathbb{H} 12'23	1.45440 AU
	6991 Mar 16 15:07	0° \mathbb{Y}		evening rise	6992 Mar 05 12:50	25° \mathbb{H} 25'24	
evening rise	6991 Mar 25 23:23	15° \mathbb{Y} 15'18			6992 Mar 08 10:14	0° \mathbb{Y}	
	6991 Apr 03 22:35	0° \mathbb{B}		greatest brilliancy	6992 Mar 15 00:40	10° \mathbb{Y} 24'09	-0.8m
asc. node	6991 Apr 10 19:34	10° \mathbb{B} 19'04		asc. node	6992 Mar 27 16:37	27° \mathbb{Y} 57'51	
evening max el	6991 Apr 14 10:39	14° \mathbb{B} 36'27	18°24'15	evening max el	6992 Mar 27 20:48	28° \mathbb{Y} 08'33	18°58'45
retrograde	6991 Apr 20 21:15	18° \mathbb{B} 05'09			6992 Mar 29 22:20	0° \mathbb{B}	
evening set	6991 Apr 23 23:00	17° \mathbb{B} 13'07		retrograde	6992 Apr 03 16:11	1° \mathbb{B} 57'20	
inferior conj	6991 Apr 29 19:01	11° \mathbb{B} 45'03	3°23'40	evening set	6992 Apr 07 01:09	0° \mathbb{B} 51'23	
minimum elong	6991 Apr 29 19:57	11° \mathbb{B} 42'21	3°23'34		6992 Apr 08 04:37	30° \mathbb{R} \mathbb{Y}	
min. Earth dist.	6991 May 02 01:51	9° \mathbb{B} 05'55	0.64345 AU	inferior conj	6992 Apr 12 14:20	25° \mathbb{Y} 06'42	3°26'29
morning rise	6991 May 05 16:01	5° \mathbb{B} 31'41		minimum elong	6992 Apr 12 13:53	25° \mathbb{Y} 08'07	3°26'27
direct	6991 May 12 09:46	2° \mathbb{B} 46'47		min. Earth dist.	6992 Apr 14 05:36	23° \mathbb{Y} 02'47	0.65973 AU
desc. node	6991 May 16 04:14	3° \mathbb{B} 31'24		morning rise	6992 Apr 18 02:12	18° \mathbb{Y} 50'22	
morning max el	6991 May 26 01:31	10° \mathbb{B} 44'56	27°28'32	direct	6992 Apr 24 12:29	16° \mathbb{Y} 02'41	
	6991 Jun 10 05:38	0° \mathbb{I}		desc. node	6992 May 02 01:14	18° \mathbb{Y} 59'34	
	6991 Jun 27 23:11	0° \mathbb{E}		morning max el	6992 May 07 11:46	23° \mathbb{Y} 44'34	26°33'02
morning set	6991 Jun 30 06:04	4° \mathbb{E} 25'47			6992 May 13 01:46	0° \mathbb{B}	
max. Earth dist.	6991 Jul 05 00:48	14° \mathbb{E} 05'50	1.33199 AU		6992 Jun 02 14:35	0° \mathbb{I}	
asc. node	6991 Jul 07 18:48	19° \mathbb{E} 52'32		morning set	6992 Jun 12 11:05	17° \mathbb{I} 32'08	
				max. Earth dist.	6992 Jun 16 13:52	25° \mathbb{I} 29'24	1.34599 AU
					6992 Jun 18 19:59	0° \mathbb{E}	
superior conj	6991 Jul 08 08:08	21° \mathbb{E} 03'28	0°05'43				
minimum elong	6991 Jul 08 07:51	21° \mathbb{E} 01'57	0°05'35	superior conj	6992 Jun 21 06:49	5° \mathbb{E} 00'43	-0°23'59
behind sun begin	6991 Jul 08 02:42	20° \mathbb{E} 34'35		minimum elong	6992 Jun 21 08:10	5° \mathbb{E} 07'37	0°23'47
behind sun end	6991 Jul 08 12:59	21° \mathbb{E} 29'21		asc. node	6992 Jun 23 15:48	9° \mathbb{E} 56'54	
	6991 Jul 12 12:06	0° \mathbb{Q}		evening rise	6992 Jun 28 20:25	20° \mathbb{E} 49'35	
evening rise	6991 Jul 15 11:10	6° \mathbb{Q} 19'44			6992 Jul 03 09:12	0° \mathbb{Q}	
	6991 Jul 28 01:23	0° \mathbb{M}		evening max el	6992 Jul 17 23:36	22° \mathbb{Q} 06'14	20°58'14
evening max el	6991 Aug 06 02:41	11° \mathbb{M} 32'05	22°28'58	desc. node	6992 Jul 29 00:26	27° \mathbb{Q} 51'57	
desc. node	6991 Aug 12 03:24	16° \mathbb{M} 07'49		retrograde	6992 Jul 29 16:13	27° \mathbb{Q} 53'01	
retrograde	6991 Aug 19 03:38	18° \mathbb{M} 01'37		evening set	6992 Jul 31 21:07	27° \mathbb{Q} 41'29	
evening set	6991 Aug 22 10:13	17° \mathbb{M} 38'04		inferior conj	6992 Aug 10 04:01	23° \mathbb{Q} 44'11	-3°30'34
min. Earth dist.	6991 Aug 30 09:39	14° \mathbb{M} 08'19	0.55075 AU	minimum elong	6992 Aug 09 19:06	23° \mathbb{Q} 56'47	3°27'49
inferior conj	6991 Aug 31 11:20	13° \mathbb{M} 31'59	-4°55'28	min. Earth dist.	6992 Aug 10 19:07	23° \mathbb{Q} 22'50	0.54737 AU
minimum elong	6991 Aug 31 03:45	13° \mathbb{M} 42'43	4°54'08	morning rise	6992 Aug 18 17:22	19° \mathbb{Q} 47'01	
morning rise	6991 Sep 08 23:08	9° \mathbb{M} 43'13		direct	6992 Aug 22 12:04	19° \mathbb{Q} 16'26	
direct	6991 Sep 12 03:46	9° \mathbb{M} 20'03		morning max el	6992 Sep 04 10:23	25° \mathbb{Q} 26'35	22°50'32
morning max el	6991 Sep 23 15:47	14° \mathbb{M} 42'50	21°10'59		6992 Sep 08 16:37	0° \mathbb{M}	
asc. node	6991 Oct 03 18:12	27° \mathbb{M} 53'58		asc. node	6992 Sep 19 15:11	16° \mathbb{M} 43'00	
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

























































































































	6992 Sep 26 08:26	0°♄		direct	6993 Aug 03 02:19	28°♄51'59	
morning set	6992 Sep 27 00:04	1°♄22'13			6993 Aug 08 14:12	0°♄	
				morning max el	6993 Aug 16 23:41	5°♄45'58	24°35'39
superior conj	6992 Oct 04 00:55	16°♄26'20	1°41'29		6993 Sep 03 07:54	0°♄	
minimum elong	6992 Oct 04 00:19	16°♄23'11	1°41'30	asc. node	6993 Sep 06 12:11	6°♄00'34	
max. Earth dist.	6992 Oct 07 02:58	22°♄57'19	1.33832 AU	morning set	6993 Sep 11 11:48	16°♄13'10	
	6992 Oct 10 13:39	0°♄			6993 Sep 17 20:03	0°♄	
evening rise	6992 Oct 11 20:51	2°♄34'58					
desc. node	6992 Oct 24 23:33	26°♄03'15		superior conj	6993 Sep 18 09:31	1°♄13'38	1°35'25
	6992 Oct 27 11:26	0°♄		minimum elong	6993 Sep 18 07:57	1°♄05'05	1°35'19
evening max el	6992 Nov 15 10:47	24°♄16'34	27°12'59	max. Earth dist.	6993 Sep 20 05:02	5°♄10'05	1.32696 AU
	6992 Nov 23 00:55	0°♄		evening rise	6993 Sep 25 16:20	16°♄41'41	
retrograde	6992 Nov 28 20:33	1°♄35'40			6993 Oct 02 13:04	0°♄	
	6992 Dec 04 04:58	30°♄♄		desc. node	6993 Oct 11 20:34	15°♄45'05	
evening set	6992 Dec 05 17:02	28°♄57'49			6993 Oct 22 02:35	0°♄	
min. Earth dist.	6992 Dec 09 14:03	25°♄18'26	0.64956 AU	evening max el	6993 Oct 28 21:45	7°♄24'53	27°28'19
inferior conj	6992 Dec 11 19:37	22°♄51'02	-1°36'23	retrograde	6993 Nov 11 14:45	14°♄42'21	
minimum elong	6992 Dec 11 22:29	22°♄43'08	1°35'08	evening set	6993 Nov 18 17:22	12°♄10'19	
asc. node	6992 Dec 16 14:30	18°♄16'53		min. Earth dist.	6993 Nov 22 10:00	9°♄02'07	0.63257 AU
morning rise	6992 Dec 18 05:15	17°♄20'25		inferior conj	6993 Nov 25 02:56	6°♄21'14	-2°43'15
direct	6992 Dec 20 20:11	16°♄44'11		minimum elong	6993 Nov 25 07:56	6°♄08'51	2°41'19
morning max el	6992 Dec 27 06:52	20°♄08'42	17°59'55	morning rise	6993 Dec 02 00:19	1°♄06'54	
	6993 Jan 03 18:44	0°♄		asc. node	6993 Dec 03 11:33	0°♄44'01	
morning set	6993 Jan 14 00:19	16°♄40'24		direct	6993 Dec 04 09:20	0°♄40'03	
desc. node	6993 Jan 20 22:51	28°♄06'01		morning max el	6993 Dec 11 00:05	4°♄04'59	17°48'37
	6993 Jan 22 02:53	0°♄		morning set	6993 Dec 27 06:46	29°♄06'16	
					6993 Dec 27 19:07	0°♄	
superior conj	6993 Jan 28 02:26	9°♄36'34	-0°49'20	desc. node	6994 Jan 07 19:50	18°♄49'11	
minimum elong	6993 Jan 27 20:33	9°♄13'13	0°48'30				
max. Earth dist.	6993 Jan 31 22:59	15°♄42'40	1.45176 AU	superior conj	6994 Jan 08 09:17	19°♄44'53	-0°04'03
	6993 Feb 10 02:55	0°♄		minimum elong	6994 Jan 08 08:52	19°♄43'10	0°03'56
evening rise	6993 Feb 13 07:06	4°♄54'11		behind sun begin	6994 Jan 07 23:40	19°♄05'05	
greatest brilliancy	6993 Feb 27 07:24	26°♄12'06	-0.6m	behind sun end	6994 Jan 08 18:04	20°♄21'10	
	6993 Mar 01 21:57	0°♄		max. Earth dist.	6994 Jan 14 16:28	29°♄59'30	1.44201 AU
evening max el	6993 Mar 11 02:27	11°♄43'56	19°49'31		6994 Jan 14 16:36	0°♄	
asc. node	6993 Mar 14 13:39	14°♄40'27		evening rise	6994 Jan 23 17:51	14°♄11'42	
retrograde	6993 Mar 18 14:06	16°♄03'19			6994 Feb 03 04:43	0°♄	
evening set	6993 Mar 22 07:04	14°♄43'00		evening max el	6994 Feb 22 02:41	25°♄20'49	20°54'14
inferior conj	6993 Mar 27 16:21	8°♄43'38	3°15'44		6994 Feb 28 15:17	0°♄	
minimum elong	6993 Mar 27 14:51	8°♄48'38	3°15'31	asc. node	6994 Mar 01 10:42	0°♄12'10	
min. Earth dist.	6993 Mar 28 16:53	7°♄21'35	0.67175 AU	retrograde	6994 Mar 02 12:32	0°♄18'13	
morning rise	6993 Apr 01 22:23	2°♄27'20			6994 Mar 04 08:01	30°♄♄	
	6993 Apr 06 04:41	30°♄♄		evening set	6994 Mar 06 14:48	28°♄43'02	
direct	6993 Apr 07 21:15	29°♄47'53		inferior conj	6994 Mar 11 22:31	22°♄31'35	2°53'56
	6993 Apr 09 15:26	0°♄		minimum elong	6994 Mar 11 20:24	22°♄38'55	2°53'28
desc. node	6993 Apr 18 22:16	6°♄01'59		min. Earth dist.	6994 Mar 12 09:40	21°♄53'06	0.67936 AU
morning max el	6993 Apr 19 21:20	6°♄59'05	25°16'13	morning rise	6994 Mar 17 01:47	16°♄17'17	
	6993 May 07 18:42	0°♄		direct	6994 Mar 22 11:07	13°♄54'08	
morning set	6993 May 26 00:18	29°♄50'26		morning max el	6994 Apr 02 06:15	20°♄20'53	23°48'19
	6993 May 26 02:25	0°♄		desc. node	6994 Apr 05 19:17	24°♄12'24	
max. Earth dist.	6993 May 29 16:11	6°♄33'30	1.36436 AU		6994 Apr 10 12:18	0°♄	
					6994 Apr 30 23:35	0°♄	
superior conj	6993 Jun 04 20:16	18°♄27'07	-0°55'00	morning set	6994 May 07 16:15	11°♄06'24	
minimum elong	6993 Jun 04 23:30	18°♄43'07	0°54'29	max. Earth dist.	6994 May 11 12:01	17°♄45'17	1.38585 AU
asc. node	6993 Jun 10 12:49	29°♄55'02			6994 May 18 05:09	0°♄	
	6993 Jun 10 13:47	0°♄					
evening rise	6993 Jun 13 01:20	5°♄02'26		superior conj	6994 May 18 20:57	1°♄14'21	-1°25'08
	6993 Jun 27 09:54	0°♄		minimum elong	6994 May 19 01:53	1°♄37'36	1°24'30
evening max el	6993 Jun 30 09:18	3°♄20'32	19°44'47	evening rise	6994 May 27 23:15	18°♄51'16	
retrograde	6993 Jul 10 09:05	8°♄15'21		asc. node	6994 May 28 09:51	19°♄43'01	
evening set	6993 Jul 12 05:55	8°♄05'46			6994 Jun 02 19:39	0°♄	
desc. node	6993 Jul 15 21:29	6°♄57'30		evening max el	6994 Jun 13 07:09	15°♄18'53	18°51'41
inferior conj	6993 Jul 21 03:01	4°♄03'24	-1°35'10	retrograde	6994 Jun 21 16:55	19°♄27'37	
minimum elong	6993 Jul 20 22:39	4°♄10'11	1°33'33	evening set	6994 Jun 23 17:24	19°♄14'11	
min. Earth dist.	6993 Jul 23 07:17	2°♄42'30	0.55361 AU	inferior conj	6994 Jul 01 19:52	14°♄55'57	0°16'54
	6993 Jul 28 12:29	30°♄♄		minimum elong	6994 Jul 01 20:31	14°♄54'45	0°16'34
morning rise	6993 Jul 29 13:14	29°♄37'42		desc. node	6994 Jul 02 18:33	14°♄15'02	


























































































































min. Earth dist.	6994 Jul 04 23:17	12°  41'26	0.56836 AU	min. Earth dist.	6995 Jun 16 20:21	23°  39'44	0.58869 AU
morning rise	6994 Jul 09 20:14	9°  53'32		desc. node	6995 Jun 19 15:36	21°  38'09	
direct	6994 Jul 15 06:44	8°  42'15		morning rise	6995 Jun 20 20:01	20°  56'05	
morning max el	6994 Jul 29 14:10	16°  08'43	26°10'15	direct	6995 Jun 27 01:00	19°  12'40	
	6994 Aug 09 20:45	0°  Ω		morning max el	6995 Jul 11 10:09	26°  59'27	27°19'01
asc. node	6994 Aug 24 09:12	25°  Ω38'55			6995 Jul 14 07:02	0°  Ω	
	6994 Aug 26 11:27	0°  ൬			6995 Aug 03 09:48	0°  Ω	
morning set	6994 Aug 26 22:43	0°  ൬59'40		morning set	6995 Aug 11 07:08	15°  Ω36'04	
				asc. node	6995 Aug 11 06:13	15°  Ω31'14	
					6995 Aug 17 22:17	0°  ൬	
superior conj	6994 Sep 02 20:42	16°  ൬06'03	1°23'53	superior conj	6995 Aug 18 08:32	0°  ൬56'43	1°07'26
minimum elong	6994 Sep 02 18:34	15°  ൬54'15	1°23'37	minimum elong	6995 Aug 18 06:17	0°  ൬44'14	1°07'01
max. Earth dist.	6994 Sep 03 13:04	17°  ൬36'24	1.32007 AU	max. Earth dist.	6995 Aug 17 23:42	0°  ൬07'46	1.31763 AU
	6994 Sep 09 06:18	0°  Ω		evening rise	6995 Aug 25 03:21	15°  ൬47'14	
evening rise	6994 Sep 09 19:21	1°  Ω08'31			6995 Sep 01 04:42	0°  Ω	
	6994 Sep 25 12:33	0°  ൬		desc. node	6995 Sep 15 14:42	23°  Ω05'27	
desc. node	6994 Sep 28 17:37	4°  ൬50'48			6995 Sep 21 11:59	0°  ൬	
evening max el	6994 Oct 11 04:47	19°  ൬57'09	27°11'45	evening max el	6995 Sep 23 05:10	1°  ൬42'01	26°21'29
retrograde	6994 Oct 25 01:41	27°  ൬09'13		retrograde	6995 Oct 07 03:32	8°  ൬48'15	
evening set	6994 Nov 01 03:19	24°  ൬54'10		evening set	6995 Oct 13 18:09	7°  ൬01'25	
min. Earth dist.	6994 Nov 04 19:31	22°  ൬09'23	0.61304 AU	min. Earth dist.	6995 Oct 17 18:32	4°  ൬26'48	0.59224 AU
inferior conj	6994 Nov 07 21:26	19°  ൬27'28	-3°49'19	inferior conj	6995 Oct 20 23:34	1°  ൬59'53	-4°47'03
minimum elong	6994 Nov 08 04:04	19°  ൬12'53	3°47'15	minimum elong	6995 Oct 21 06:04	1°  ൬47'26	4°45'41
morning rise	6994 Nov 15 06:59	14°  ൬32'24			6995 Oct 23 16:52	30°  ൬Ω	
direct	6994 Nov 17 13:07	14°  ൬11'22		morning rise	6995 Oct 28 20:13	27°  Ω26'59	
asc. node	6994 Nov 20 08:35	14°  ൬45'23		direct	6995 Oct 31 03:20	27°  Ω08'37	
morning max el	6994 Nov 24 15:19	17°  ൬45'13	17°55'35		6995 Nov 06 22:32	0°  ൬	
	6994 Dec 03 09:15	0°  Ω		asc. node	6995 Nov 07 05:37	0°  ൬15'09	
morning set	6994 Dec 10 08:14	12°  Ω25'58		morning max el	6995 Nov 08 01:05	0°  ൬59'57	18°22'25
	6994 Dec 20 02:33	0°  Ω		morning set	6995 Nov 23 23:06	26°  ൬23'19	
					6995 Nov 25 20:24	0°  Ω	
superior conj	6994 Dec 20 18:08	1°  Ω07'58	0°35'31	superior conj	6995 Dec 03 02:09	13°  Ω37'45	1°05'48
minimum elong	6994 Dec 20 20:59	1°  Ω20'23	0°35'11	minimum elong	6995 Dec 03 05:46	13°  Ω54'21	1°05'24
desc. node	6994 Dec 25 16:50	9°  Ω35'07		max. Earth dist.	6995 Dec 10 14:55	27°  Ω00'59	1.40664 AU
max. Earth dist.	6994 Dec 28 05:55	13°  Ω48'57	1.42637 AU		6995 Dec 12 08:57	0°  Ω	
evening rise	6995 Jan 03 12:42	23°  Ω56'26		desc. node	6995 Dec 12 13:50	0°  Ω20'37	
	6995 Jan 07 09:57	0°  Ω		evening rise	6995 Dec 15 02:45	4°  Ω34'27	
	6995 Jan 28 06:15	0°  Ω			6995 Dec 31 15:25	0°  Ω	
evening max el	6995 Feb 04 21:47	8°  Ω59'33	22°09'06	evening max el	6996 Jan 18 13:04	22°  Ω41'39	23°28'50
retrograde	6995 Feb 14 09:37	14°  Ω37'35		retrograde	6996 Jan 29 03:52	28°  Ω57'55	
asc. node	6995 Feb 16 07:48	14°  Ω18'25		evening set	6996 Feb 03 04:57	26°  Ω52'24	
evening set	6995 Feb 18 22:36	12°  Ω47'12		asc. node	6996 Feb 03 04:52	26°  Ω52'35	
inferior conj	6995 Feb 24 06:42	6°  Ω26'35	2°22'42	min. Earth dist.	6996 Feb 08 02:19	21°  Ω09'40	0.68215 AU
minimum elong	6995 Feb 24 04:23	6°  Ω34'38	2°22'02	inferior conj	6996 Feb 08 14:59	20°  Ω26'14	1°43'03
min. Earth dist.	6995 Feb 24 05:34	6°  Ω30'31	0.68276 AU	minimum elong	6996 Feb 08 12:56	20°  Ω33'15	1°42'23
morning rise	6995 Mar 01 09:59	0°  Ω15'57		morning rise	6996 Feb 13 20:53	14°  Ω20'45	
	6995 Mar 01 17:40	30°  Ω		direct	6996 Feb 18 02:03	12°  Ω41'25	
direct	6995 Mar 06 05:07	28°  Ω13'52		morning max el	6996 Feb 26 09:52	17°  Ω28'31	20°57'13
	6995 Mar 11 04:47	0°  Ω			6996 Mar 07 13:53	0°  Ω	
morning max el	6995 Mar 15 17:10	3°  Ω49'13	22°19'16	desc. node	6996 Mar 09 13:16	2°  Ω45'33	
desc. node	6995 Mar 23 16:17	13°  Ω11'19		morning set	6996 Mar 27 15:41	29°  Ω51'24	
	6995 Apr 04 15:30	0°  Ω			6996 Mar 27 17:53	0°  Ω	
morning set	6995 Apr 18 05:25	21°  Ω05'28		max. Earth dist.	6996 Apr 04 13:14	12°  Ω27'12	1.42820 AU
max. Earth dist.	6995 Apr 23 09:10	29°  Ω37'49	1.40811 AU				
	6995 Apr 23 14:26	0°  Ω					
superior conj	6995 May 01 04:23	13°  Ω11'14	-1°51'00	superior conj	6996 Apr 11 13:48	24°  Ω07'13	-2°07'41
minimum elong	6995 May 01 09:49	13°  Ω35'32	1°50'33	minimum elong	6996 Apr 11 16:57	24°  Ω20'38	2°07'37
	6995 May 10 07:41	0°  Ω			6996 Apr 15 00:11	0°  Ω	
evening rise	6995 May 11 10:44	2°  Ω06'50		evening rise	6996 Apr 23 07:41	14°  Ω39'53	
asc. node	6995 May 15 06:55	9°  Ω15'33		asc. node	6996 May 01 03:59	28°  Ω27'09	
evening max el	6995 May 27 13:44	27°  Ω53'18	18°18'59		6996 May 02 02:20	0°  Ω	
	6995 May 30 03:46	0°  Ω		evening max el	6996 May 10 01:18	10°  Ω54'22	18°06'03
retrograde	6995 Jun 03 19:51	1°  Ω30'53		retrograde	6996 May 16 15:44	14°  Ω17'16	
evening set	6995 Jun 06 03:34	1°  Ω09'29		evening set	6996 May 19 06:40	13°  Ω45'12	
	6995 Jun 08 17:37	30°  Ω		inferior conj	6996 May 25 20:45	8°  Ω46'00	2°42'05
inferior conj	6995 Jun 13 10:20	26°  Ω30'47	1°44'12	minimum elong	6996 May 25 23:44	8°  Ω38'44	2°41'21
minimum elong	6995 Jun 13 13:22	26°  Ω24'24	1°43'10				

min. Earth dist.	6996 May 29 00:51	5° Π 42'08	0.61103 AU	min. Earth dist.	6997 May 11 14:30	18° B 39'41	0.63238 AU
morning rise	6996 Jun 01 14:35	2° Π 48'50		morning rise	6997 May 15 02:47	15° B 23'27	
desc. node	6996 Jun 05 12:38	0° Π 57'05		direct	6997 May 21 21:54	12° B 46'16	
direct	6996 Jun 08 06:43	0° Π 34'28		desc. node	6997 May 23 09:38	12° B 53'11	
morning max el	6996 Jun 22 12:52	8° Π 32'48	27°52'07	morning max el	6997 Jun 04 20:45	20° B 48'11	27°47'15
	6996 Jul 08 23:29	0° D			6997 Jun 12 19:11	0° Π	
morning set	6996 Jul 25 11:13	29° D 57'15			6997 Jul 02 01:11	0° D	
	6996 Jul 25 11:45	0° Ω		morning set	6997 Jul 09 08:44	13° D 56'55	
asc. node	6996 Jul 28 03:14	5° Ω 32'43		max. Earth dist.	6997 Jul 14 13:26	24° D 41'21	1.32608 AU
max. Earth dist.	6996 Jul 31 09:09	12° Ω 33'25	1.31961 AU	asc. node	6997 Jul 15 00:16	25° D 39'00	
superior conj	6996 Aug 01 19:14	15° Ω 40'19	0°46'29	superior conj	6997 Jul 17 02:59	0° Ω 11'23	0°21'35
minimum elong	6996 Aug 01 17:21	15° Ω 29'56	0°46'04	minimum elong	6997 Jul 17 01:58	0° Ω 05'54	0°21'18
	6996 Aug 08 08:19	0° Π			6997 Jul 17 00:52	0° Ω	
evening rise	6996 Aug 08 14:11	0° Π 31'25		evening rise	6997 Jul 24 01:56	15° Ω 15'11	
	6996 Aug 24 14:59	0° A			6997 Jul 31 09:37	0° Π	
desc. node	6996 Sep 01 11:45	10° A 08'51		evening max el	6997 Aug 16 09:17	22° Π 57'51	23°25'30
evening max el	6996 Sep 03 21:33	12° A 36'42	25°01'52	desc. node	6997 Aug 19 08:48	25° Π 34'00	
retrograde	6996 Sep 17 18:41	19° A 37'07		retrograde	6997 Aug 29 22:00	29° Π 44'35	
evening set	6996 Sep 23 09:15	18° A 25'53		evening set	6997 Sep 03 01:10	29° Π 07'10	
min. Earth dist.	6996 Sep 28 08:54	15° A 43'21	0.57241 AU	min. Earth dist.	6997 Sep 09 18:50	25° Π 58'33	0.55662 AU
inferior conj	6996 Oct 01 06:11	13° A 48'40	-5°23'29	inferior conj	6997 Sep 11 16:50	24° Π 50'40	-5°20'50
minimum elong	6996 Oct 01 09:06	13° A 43'48	5°23'15	minimum elong	6997 Sep 11 12:52	24° Π 56'32	5°20'30
morning rise	6996 Oct 09 11:13	9° A 38'50		morning rise	6997 Sep 20 02:53	20° Π 58'14	
direct	6996 Oct 11 23:44	9° A 20'30		direct	6997 Sep 23 00:30	20° Π 37'45	
morning max el	6996 Oct 21 01:53	13° A 39'04	19°10'42	morning max el	6997 Oct 03 14:56	25° Π 34'35	20°21'09
asc. node	6996 Oct 24 02:38	16° A 59'03			6997 Oct 07 15:04	0° A	
	6996 Nov 01 09:11	0° Π		asc. node	6997 Oct 10 23:38	4° A 42'11	
morning set	6996 Nov 06 23:05	10° Π 45'22		morning set	6997 Oct 22 05:05	25° A 23'41	
					6997 Oct 24 10:47	0° Π	
superior conj	6996 Nov 15 04:03	26° Π 58'58	1°26'24	superior conj	6997 Oct 29 19:02	10° Π 58'00	1°38'10
minimum elong	6996 Nov 15 06:56	27° Π 12'50	1°26'11	minimum elong	6997 Oct 29 20:34	11° Π 05'42	1°38'08
	6996 Nov 16 17:46	0° A		max. Earth dist.	6997 Nov 04 03:17	21° Π 30'31	1.36453 AU
max. Earth dist.	6996 Nov 21 20:37	9° A 30'54	1.38515 AU	evening rise	6997 Nov 07 23:52	28° Π 44'19	
evening rise	6996 Nov 25 15:05	16° A 11'46			6997 Nov 08 16:29	0° A	
desc. node	6996 Nov 28 10:51	21° A 01'30		desc. node	6997 Nov 15 07:53	11° A 33'54	
	6996 Dec 03 22:31	0° B			6997 Nov 27 05:28	0° B	
	6996 Dec 25 05:38	0° \approx		evening max el	6997 Dec 13 15:03	20° B 11'59	25°57'20
evening max el	6996 Dec 31 02:16	6° \approx 26'27	24°47'15	retrograde	6997 Dec 26 03:56	27° B 20'37	
retrograde	6997 Jan 11 18:15	13° \approx 14'06		evening set	6998 Jan 01 06:51	24° B 49'57	
evening set	6997 Jan 17 08:15	10° \approx 54'35		min. Earth dist.	6998 Jan 05 13:18	20° B 16'05	0.66955 AU
asc. node	6997 Jan 20 01:55	8° \approx 04'30		asc. node	6998 Jan 06 22:56	18° B 30'51	
min. Earth dist.	6997 Jan 21 21:37	5° \approx 46'08	0.67770 AU	inferior conj	6998 Jan 07 00:31	18° B 25'53	0°01'20
inferior conj	6997 Jan 22 21:32	4° \approx 26'59	0°55'42	minimum elong	6998 Jan 07 00:28	18° B 26'00	0°01'24
minimum elong	6997 Jan 22 20:15	4° \approx 31'16	0°55'16	transit middle	6998 Jan 07 00:28	18° B 26'00	0°01'24
	6997 Jan 26 13:52	30° R B		transit begin	6998 Jan 06 21:39	18° B 34'53	
morning rise	6997 Jan 28 08:27	28° B 28'20		transit end	6998 Jan 07 03:18	18° B 17'08	
direct	6997 Feb 01 00:40	27° B 10'48		morning rise	6998 Jan 12 18:40	12° B 35'58	
	6997 Feb 06 23:57	0° \approx		direct	6998 Jan 15 23:28	11° B 37'27	
morning max el	6997 Feb 08 10:25	1° \approx 19'59	19°47'22	morning max el	6998 Jan 22 18:34	15° B 20'52	18°52'36
greatest brilliancy	6997 Feb 21 07:58	18° \approx 09'38	-0.6m		6998 Feb 02 20:06	0° \approx	
desc. node	6997 Feb 24 10:13	22° \approx 45'01		desc. node	6998 Feb 11 07:12	13° \approx 03'04	
	6997 Mar 01 05:25	0° H		morning set	6998 Feb 13 20:36	17° \approx 02'44	
morning set	6997 Mar 06 12:30	8° H 06'37			6998 Feb 22 03:35	0° H	
max. Earth dist.	6997 Mar 18 00:30	26° H 05'06	1.44356 AU	max. Earth dist.	6998 Feb 28 16:52	10° H 15'29	1.45251 AU
	6997 Mar 20 11:21	0° Y					
superior conj	6997 Mar 22 21:59	3° Y 56'05	-2°09'18	superior conj	6998 Mar 02 08:52	12° H 52'38	-1°51'12
minimum elong	6997 Mar 22 19:15	3° Y 45'03	2°09'14	minimum elong	6998 Mar 02 00:10	12° H 18'25	1°50'30
evening rise	6997 Apr 05 09:23	26° Y 20'06			6998 Mar 13 03:37	0° Y	
	6997 Apr 07 13:07	0° B		evening rise	6998 Mar 17 12:17	7° Y 02'13	
asc. node	6997 Apr 18 01:02	17° B 10'09			6998 Apr 01 00:09	0° B	
evening max el	6997 Apr 23 14:25	24° B 12'40	18°12'16	asc. node	6998 Apr 04 22:04	5° B 15'43	
retrograde	6997 Apr 29 23:52	27° B 35'44		evening max el	6998 Apr 07 02:19	7° B 41'29	18°36'48
evening set	6997 May 02 21:35	26° B 51'24		retrograde	6998 Apr 13 15:51	11° B 17'37	
inferior conj	6997 May 08 23:04	21° B 33'18	3°14'28	evening set	6998 Apr 16 20:29	10° B 19'56	
minimum elong	6997 May 09 00:51	21° B 28'26	3°14'12	inferior conj	6998 Apr 22 13:13	4° B 44'39	3°26'43

minimum elong	6998 Apr 22 13:32	4°  43'42	3°26'41	asc. node	6999 Mar 22 19:06	22°  32'51	
min. Earth dist.	6998 Apr 24 13:28	2°  18'58	0.65087 AU	retrograde	6999 Mar 28 12:19	25°  16'42	
	6998 Apr 26 15:23	30°  19'		evening set	6999 Apr 01 00:31	24°  04'50	
morning rise	6998 Apr 28 05:54	28°  29'14		inferior conj	6999 Apr 06 11:45	18°  13'57	3°23'25
direct	6998 May 04 21:02	25°  41'27		minimum elong	6999 Apr 06 10:49	18°  16'59	3°23'19
desc. node	6998 May 10 06:39	27°  13'04		min. Earth dist.	6999 Apr 07 20:43	16°  27'02	0.66540 AU
	6998 May 14 08:52	0°  8		morning rise	6999 Apr 11 20:45	11°  57'21	
morning max el	6998 May 18 06:51	3°  35'20	27°08'03	direct	6999 Apr 18 02:41	9°  11'36	
	6998 Jun 07 04:47	0°  II		desc. node	6999 Apr 27 03:38	13°  25'16	
morning set	6998 Jun 22 20:48	27°  II25'54		morning max el	6999 Apr 30 16:46	16°  42'24	26°02'17
	6998 Jun 24 04:26	0°  ☿			6999 May 11 17:37	0°  8	
max. Earth dist.	6998 Jun 27 08:33	6°  ☿20'38	1.33731 AU		6999 May 31 02:39	0°  II	
				morning set	6999 Jun 05 19:44	10°  II14'02	
superior conj	6998 Jul 01 05:40	14°  ☿23'06	-0°06'39	max. Earth dist.	6999 Jun 09 16:33	17°  II32'47	1.35332 AU
minimum elong	6998 Jul 01 06:02	14°  ☿24'58	0°06'39				
behind sun begin	6998 Jul 01 00:54	13°  ☿57'59		superior conj	6999 Jun 15 00:52	28°  II08'56	-0°37'05
behind sun end	6998 Jul 01 11:09	14°  ☿51'59		minimum elong	6999 Jun 15 03:00	28°  II19'43	0°36'44
asc. node	6998 Jul 01 21:16	15°  ☿45'18			6999 Jun 15 22:41	0°  ☿	
evening rise	6998 Jul 08 12:40	29°  ☿51'46		asc. node	6999 Jun 18 18:17	5°  ☿47'56	
	6998 Jul 08 14:14	0°  ♊		evening rise	6999 Jun 22 20:24	14°  ☿15'32	
	6998 Jul 25 23:56	0°  ♊			6999 Jun 30 23:19	0°  ♊	
evening max el	6998 Jul 29 00:37	3°  ♊18'05	21°48'44	evening max el	6999 Jul 11 02:57	14°  ♊08'42	20°24'37
desc. node	6998 Aug 06 05:51	8°  ♊47'13		retrograde	6999 Jul 22 02:20	19°  ♊32'50	
retrograde	6998 Aug 10 14:01	9°  ♊31'49		evening set	6999 Jul 24 01:54	19°  ♊23'01	
evening set	6998 Aug 13 07:14	9°  ♊15'13		desc. node	6999 Jul 24 02:53	19°  ♊22'37	
min. Earth dist.	6998 Aug 22 04:07	5°  ♊26'30	0.54809 AU	inferior conj	6999 Aug 02 06:23	15°  ♊25'44	-2°43'17
inferior conj	6998 Aug 22 12:46	5°  ♊14'24	-4°25'12	minimum elong	6999 Aug 01 22:57	15°  ♊36'32	2°40'43
minimum elong	6998 Aug 22 03:43	5°  ♊27'04	4°23'02	min. Earth dist.	6999 Aug 03 14:44	14°  ♊38'41	0.54894 AU
morning rise	6998 Aug 31 01:29	1°  ♊24'21		morning rise	6999 Aug 10 19:07	11°  ♊18'15	
direct	6998 Sep 03 11:24	0°  ♊58'47		direct	6999 Aug 14 21:23	10°  ♊42'08	
morning max el	6998 Sep 15 15:28	6°  ♊42'20	21°51'48	morning max el	6999 Aug 28 06:50	17°  ♊12'09	23°35'20
asc. node	6998 Sep 27 20:38	23°  ♊10'12			6999 Sep 07 14:43	0°  ♊	
	6998 Oct 01 13:52	0°  ♋		asc. node	6999 Sep 14 17:39	12°  ♊12'20	
morning set	6998 Oct 06 14:46	10°  ♋10'48		morning set	6999 Sep 21 02:14	25°  ♊01'39	
					6999 Sep 23 09:59	0°  ♋	
superior conj	6998 Oct 13 19:08	25°  ♋22'22	1°42'14	superior conj	6999 Sep 28 01:20	10°  ♋03'14	1°39'37
minimum elong	6998 Oct 13 19:15	25°  ♋23'00	1°42'15	minimum elong	6999 Sep 28 00:17	9°  ♋57'34	1°39'35
	6998 Oct 16 00:28	0°  ♋		max. Earth dist.	6999 Sep 30 13:44	15°  ♋26'35	1.33300 AU
max. Earth dist.	6998 Oct 17 16:06	3°  ♋22'35	1.34678 AU	evening rise	6999 Oct 05 15:02	25°  ♋52'46	
evening rise	6998 Oct 22 01:10	12°  ♋01'23			6999 Oct 07 17:11	0°  ♋	
	6998 Nov 01 01:50	0°  ♋		desc. node	6999 Oct 20 01:58	21°  ♋49'20	
desc. node	6998 Nov 02 04:56	1°  ♋52'00			6999 Oct 25 11:30	0°  ♋	
	6998 Nov 22 10:32	0°  ♋		evening max el	6999 Nov 08 16:37	17°  ♋16'08	27°23'14
evening max el	6998 Nov 26 04:05	3°  ♋51'58	26°51'46	retrograde	6999 Nov 22 06:02	24°  ♋34'38	
retrograde	6998 Dec 09 08:09	11°  ♋10'08		evening set	6999 Nov 29 05:39	21°  ♋58'27	
evening set	6998 Dec 15 22:48	8°  ♋33'11		min. Earth dist.	6999 Dec 03 00:41	18°  ♋32'38	0.64266 AU
min. Earth dist.	6998 Dec 19 23:05	4°  ♋33'57	0.65779 AU	inferior conj	6999 Dec 05 11:04	15°  ♋58'34	-2°04'33
inferior conj	6998 Dec 21 21:50	2°  ♋18'17	-0°59'14	minimum elong	6999 Dec 05 14:51	15°  ♋48'34	2°02'58
minimum elong	6998 Dec 21 23:31	2°  ♋13'21	0°58'27	asc. node	6999 Dec 11 16:59	10°  ♋43'40	
	6998 Dec 23 23:03	30°  ♋19'		morning rise	6999 Dec 12 01:32	10°  ♋34'08	
asc. node	6998 Dec 24 19:57	29°  ♋06'39		direct	6999 Dec 14 13:39	10°  ♋02'17	
morning rise	6998 Dec 28 01:16	26°  ♋39'35		morning max el	6999 Dec 21 01:09	13°  ♋26'02	17°52'55
direct	6998 Dec 30 20:36	25°  ♋56'21			7000 Jan 01 14:36	0°  ♋	
morning max el	6999 Jan 06 08:22	29°  ♋25'09	18°14'15	morning set	7000 Jan 07 01:06	9°  ♋10'24	
	6999 Jan 06 22:00	0°  ♋		desc. node	7000 Jan 16 01:12	24°  ♋14'00	
morning set	6999 Jan 25 08:30	27°  ♋24'23			7000 Jan 19 14:03	0°  ♋	
	6999 Jan 26 23:01	0°  ♋		superior conj	7000 Jan 20 06:32	1°  ♋06'37	-0°29'49
desc. node	6999 Jan 29 04:13	3°  ♋34'17		minimum elong	7000 Jan 20 03:05	0°  ♋52'42	0°29'16
superior conj	6999 Feb 09 13:15	21°  ♋39'00	-1°14'59	max. Earth dist.	7000 Jan 25 07:21	9°  ♋09'22	1.44842 AU
minimum elong	6999 Feb 09 04:39	21°  ♋05'09	1°13'56	evening rise	7000 Feb 05 05:46	26°  ♋11'00	
max. Earth dist.	6999 Feb 11 12:00	24°  ♋42'22	1.45415 AU		7000 Feb 07 17:35	0°  ♋	
	6999 Feb 14 21:11	0°  ♋			7000 Feb 28 09:02	0°  ♋	
evening rise	6999 Feb 25 16:35	16°  ♋51'51		evening max el	7000 Mar 04 14:19	4°  ♋52'39	20°15'37
	6999 Mar 06 03:07	0°  ♋		asc. node	7000 Mar 09 16:10	8°  ♋47'16	
greatest brilliancy	6999 Mar 09 07:55	4°  ♋54'41	-0.7m	retrograde	7000 Mar 12 10:37	9°  ♋27'01	
evening max el	6999 Mar 21 10:49	21°  ♋16'08	19°18'31				

evening set	7000 Mar 16 07:27	8° Υ 00'20		evening rise	7001 Jan 15 18:16	5° \approx 36'12	
inferior conj	7000 Mar 21 15:49	1° Υ 55'43	3°07'43		7001 Feb 01 02:13	0° H	
minimum elong	7000 Mar 21 14:00	2° Υ 01'53	3°07'24	evening max el	7001 Feb 15 12:17	18° H 30'07	21°25'05
min. Earth dist.	7000 Mar 22 10:30	0° Υ 52'15	0.67555 AU	retrograde	7001 Feb 24 08:41	23° H 44'34	
	7000 Mar 23 02:04	30° R H		asc. node	7001 Feb 24 13:14	23° H 44'22	
morning rise	7000 Mar 26 20:20	25° H 40'19		evening set	7001 Feb 28 15:27	22° H 02'39	
direct	7000 Apr 01 13:43	23° H 06'58		inferior conj	7001 Mar 05 23:06	15° H 46'49	2°41'45
morning max el	7000 Apr 13 01:44	29° H 59'52	24°39'36	minimum elong	7001 Mar 05 20:50	15° H 54'40	2°41'12
	7000 Apr 13 01:47	0° Υ		min. Earth dist.	7001 Mar 06 04:49	15° H 26'59	0.68133 AU
desc. node	7000 Apr 14 00:39	0° Υ 59'08		morning rise	7001 Mar 11 02:04	9° H 34'07	
	7000 May 05 14:43	0° B		direct	7001 Mar 16 05:20	7° H 19'46	
morning set	7000 May 19 00:36	22° B 07'23		morning max el	7001 Mar 26 11:13	13° H 24'32	23°10'09
max. Earth dist.	7000 May 22 15:27	28° B 36'43	1.37332 AU	desc. node	7001 Mar 31 21:40	19° H 31'57	
	7000 May 23 09:38	0° II			7001 Apr 08 20:06	0° Υ	
					7001 Apr 28 12:20	0° B	
superior conj	7000 May 29 09:24	11° II 20'06	-1°08'03	morning set	7001 Apr 30 05:43	2° B 51'44	
minimum elong	7000 May 29 13:25	11° II 39'37	1°07'26	max. Earth dist.	7001 May 04 11:28	10° B 04'29	1.39545 AU
asc. node	7000 Jun 05 15:20	25° II 42'23					
evening rise	7000 Jun 06 22:42	28° II 19'13		superior conj	7001 May 12 03:20	23° B 47'01	-1°36'52
	7000 Jun 07 18:57	0° B		minimum elong	7001 May 12 08:42	24° B 11'49	1°36'16
evening max el	7000 Jun 23 18:08	25° B 42'02	19°19'34		7001 May 15 11:10	0° II	
	7000 Jun 30 18:49	0° Ω		evening rise	7001 May 21 16:40	11° II 55'12	
retrograde	7000 Jul 03 00:29	0° Ω 15'31		asc. node	7001 May 23 12:23	15° II 24'26	
evening set	7000 Jul 04 22:14	0° Ω 04'46			7001 May 31 17:11	0° B	
	7000 Jul 05 07:37	30° R B		evening max el	7001 Jun 06 20:05	7° B 56'19	18°35'12
desc. node	7000 Jul 10 23:56	27° B 31'35		retrograde	7001 Jun 14 16:46	11° B 50'12	
inferior conj	7000 Jul 13 11:55	25° B 56'17	-0°45'27	evening set	7001 Jun 16 20:06	11° B 33'50	
minimum elong	7000 Jul 13 09:55	25° B 59'35	0°44'44	inferior conj	7001 Jun 24 13:57	7° B 06'44	0°57'32
min. Earth dist.	7000 Jul 16 04:00	24° B 11'29	0.55908 AU	minimum elong	7001 Jun 24 15:59	7° B 02'50	0°56'44
morning rise	7000 Jul 21 18:49	21° B 15'34		desc. node	7001 Jun 27 20:59	4° B 35'45	
direct	7000 Jul 26 17:08	20° B 20'14		min. Earth dist.	7001 Jun 27 21:51	4° B 34'11	0.57654 AU
morning max el	7000 Aug 09 19:46	27° B 28'37	25°18'12	morning rise	7001 Jul 02 08:26	1° B 49'20	
	7000 Aug 12 07:09	0° Ω		direct	7001 Jul 08 03:12	0° B 25'06	
	7000 Aug 31 18:35	0° H		morning max el	7001 Jul 22 12:27	8° B 01'21	26°43'31
asc. node	7000 Sep 01 14:41	1° H 39'40			7001 Aug 08 00:50	0° Ω	
morning set	7000 Sep 05 13:52	9° H 51'25		asc. node	7001 Aug 19 11:42	21° Ω 24'43	
				morning set	7001 Aug 20 23:57	24° Ω 34'30	
					7001 Aug 23 12:36	0° H	
superior conj	7000 Sep 12 11:18	24° H 53'20	1°31'09				
minimum elong	7000 Sep 12 09:26	24° H 43'06	1°30'59	superior conj	7001 Aug 27 22:58	9° H 45'39	1°17'29
max. Earth dist.	7000 Sep 13 18:59	27° H 47'00	1.32353 AU	minimum elong	7001 Aug 27 20:43	9° H 33'14	1°17'09
	7000 Sep 14 19:23	0° Ω		max. Earth dist.	7001 Aug 28 04:39	10° H 17'09	1.31848 AU
evening rise	7000 Sep 19 14:06	10° Ω 09'06		evening rise	7001 Sep 03 19:30	24° H 41'38	
	7000 Sep 30 00:15	0° H			7001 Sep 06 08:56	0° Ω	
desc. node	7000 Oct 06 23:01	11° H 17'24		desc. node	7001 Sep 23 20:06	0° H 03'39	
	7000 Oct 21 21:40	0° H			7001 Sep 23 19:03	0° H	
evening max el	7000 Oct 22 02:24	0° H 11'15	27°25'24	evening max el	7001 Oct 04 06:41	12° H 23'32	26°54'19
retrograde	7000 Nov 04 20:59	7° H 25'46		retrograde	7001 Oct 18 04:13	19° H 33'25	
evening set	7000 Nov 12 00:23	4° H 59'38		evening set	7001 Oct 25 02:50	17° H 28'42	
min. Earth dist.	7000 Nov 15 16:13	2° H 02'45	0.62453 AU	min. Earth dist.	7001 Oct 28 20:54	14° H 50'36	0.60423 AU
	7000 Nov 17 20:33	30° R H		inferior conj	7001 Nov 01 01:21	12° H 12'41	-4°15'29
inferior conj	7000 Nov 18 13:24	29° H 19'58	-3°11'44	minimum elong	7001 Nov 01 08:15	11° H 58'23	4°13'36
minimum elong	7000 Nov 18 19:12	29° H 06'15	3°09'39	morning rise	7001 Nov 08 15:54	7° H 27'10	
morning rise	7000 Nov 25 15:57	24° H 13'21		direct	7001 Nov 10 21:59	7° H 07'38	
direct	7000 Nov 27 23:28	23° H 49'14		asc. node	7001 Nov 15 11:05	8° H 31'18	
asc. node	7000 Nov 28 14:03	23° H 50'57		morning max el	7001 Nov 18 07:22	10° H 47'28	18°04'33
morning max el	7000 Dec 04 17:57	27° H 16'38	17°49'19		7001 Nov 30 23:04	0° H	
	7000 Dec 07 04:01	0° H		morning set	7001 Dec 04 00:13	5° H 39'02	
morning set	7000 Dec 20 16:28	22° H 01'56					
	7000 Dec 25 04:28	0° B		superior conj	7001 Dec 13 19:49	23° H 40'22	0°49'34
				minimum elong	7001 Dec 13 23:15	23° H 55'38	0°49'09
superior conj	7001 Jan 01 00:30	11° B 47'05	0°13'46		7001 Dec 17 10:20	0° B	
minimum elong	7001 Jan 01 01:49	11° B 52'38	0°13'39	desc. node	7001 Dec 20 19:13	5° B 44'55	
behind sun begin	7000 Dec 31 21:04	11° B 32'37		max. Earth dist.	7001 Dec 21 11:24	6° B 52'49	1.41830 AU
behind sun end	7001 Jan 01 06:33	12° B 12'39		evening rise	7001 Dec 26 20:19	15° B 40'52	
desc. node	7001 Jan 02 22:13	14° B 58'53			7002 Jan 05 01:31	0° \approx	
max. Earth dist.	7001 Jan 07 23:57	23° B 18'42	1.43599 AU		7002 Jan 27 04:35	0° H	
	7001 Jan 12 04:23	0° \approx					

evening max el	7002 Jan 29 05:22	2°  09'05	22°42'43			7002 Dec 29 16:40	0° 	
retrograde	7002 Feb 08 04:51	8°  04'34		evening max el	7003 Jan 11 19:26	15°  51'39	24°02'49	
asc. node	7002 Feb 11 10:19	7°  11'24		retrograde	7003 Jan 22 21:39	22°  22'58		
evening set	7002 Feb 12 22:49	6°  07'32		evening set	7003 Jan 28 04:02	20°  11'26		
inferior conj	7002 Feb 18 07:33	29°  43'47	2°06'51	asc. node	7003 Jan 29 07:22	19°  07'23		
minimum elong	7002 Feb 18 05:17	29°  51'38	2°06'10	min. Earth dist.	7003 Feb 01 21:52	14°  42'57	0.68066 AU	
min. Earth dist.	7002 Feb 18 01:22	0°  05'12	0.68293 AU	inferior conj	7003 Feb 02 15:18	13°  43'54	1°23'52	
	7002 Feb 18 02:52	30°  00'00		minimum elong	7003 Feb 02 13:31	13°  49'58	1°23'16	
morning rise	7002 Feb 23 11:38	23°  35'07		morning rise	7003 Feb 07 23:01	7°  40'51		
direct	7002 Feb 28 00:37	21°  42'55		direct	7003 Feb 11 22:28	6°  11'00		
morning max el	7002 Mar 09 00:19	26°  57'18	21°43'10	morning max el	7003 Feb 19 20:08	10°  41'00	20°25'41	
	7002 Mar 11 20:00	0°  00'00		desc. node	7003 Mar 05 15:36	28°  32'29		
desc. node	7002 Mar 18 18:38	8°  46'56			7003 Mar 06 15:39	0°  00'00		
	7002 Apr 02 09:40	0°  00'00		morning set	7003 Mar 20 08:41	20°  41'39		
morning set	7002 Apr 10 06:55	12°  00'00			7003 Mar 26 07:15	0°  00'00		
max. Earth dist.	7002 Apr 16 10:58	22°  00'00	1.41700 AU	max. Earth dist.	7003 Mar 29 17:32	5°  28'26	1.43536 AU	
	7002 Apr 21 00:13	0°  00'00						
superior conj	7002 Apr 24 01:56	5°  18'52	-1°59'32	superior conj	7003 Apr 05 00:41	15°  45'42	-2°10'35	
minimum elong	7002 Apr 24 06:50	5°  40'19	1°59'15	minimum elong	7003 Apr 05 01:44	15°  50'02	2°10'36	
evening rise	7002 May 04 22:32	24°  54'04			7003 Apr 13 10:12	0°  00'00		
	7002 May 07 17:18	0°  00'00		evening rise	7003 Apr 17 11:47	7°  04'51		
asc. node	7002 May 10 09:26	4°  00'00		asc. node	7003 Apr 27 06:29	23°  49'04		
evening max el	7002 May 21 05:13	20°  43'26	18°11'08		7003 May 01 10:31	0°  00'00		
retrograde	7002 May 28 03:29	24°  13'06		evening max el	7003 May 04 17:51	3°  52'45	18°06'31	
evening set	7002 May 30 14:11	23°  47'36		retrograde	7003 May 11 04:56	7°  13'48		
inferior conj	7002 Jun 06 13:24	19°  00'16	2°12'08	evening set	7003 May 13 22:48	6°  13'42		
minimum elong	7002 Jun 06 16:38	18°  00'00	2°11'10	inferior conj	7003 May 20 07:03	1°  29'36	2°58'35	
min. Earth dist.	7002 Jun 09 22:10	16°  00'26	0.59806 AU	minimum elong	7003 May 20 09:36	1°  23'03	2°58'04	
morning rise	7002 Jun 13 16:14	13°  14'22			7003 May 21 17:44	30°  00'00		
desc. node	7002 Jun 14 18:01	12°  13'42		min. Earth dist.	7003 May 23 06:27	28°  27'19	0.62034 AU	
direct	7002 Jun 20 02:52	11°  17'00		morning rise	7003 May 26 18:35	25°  26'10		
morning max el	7002 Jul 04 11:34	19°  10'42	27°37'44	desc. node	7003 Jun 01 15:01	23°  03'00		
	7002 Jul 13 15:33	0°  00'00		direct	7003 Jun 02 13:08	23°  00'24		
	7002 Jul 31 18:41	0°  00'00			7003 Jun 15 15:14	0°  00'00		
morning set	7002 Aug 05 06:47	9°  05'48		morning max el	7003 Jun 16 16:33	1°  01'41	27°54'32	
asc. node	7002 Aug 06 08:42	11°  02'15			7003 Jul 07 19:56	0°  00'00		
max. Earth dist.	7002 Aug 11 15:11	22°  04'36	1.31789 AU	morning set	7003 Jul 20 08:20	23°  08'24		
					7003 Jul 23 13:34	0°  00'00		
superior conj	7002 Aug 12 10:34	24°  03'38	0°59'05	asc. node	7003 Jul 24 05:43	1°  02'54		
minimum elong	7002 Aug 12 08:24	24°  02'42	0°58'39	max. Earth dist.	7003 Jul 25 22:42	5°  05'55	1.32179 AU	
	7002 Aug 14 21:24	0°  00'00						
evening rise	7002 Aug 19 04:57	9°  00'00		superior conj	7003 Jul 27 20:14	9°  03'37	0°36'24	
	7002 Aug 29 17:49	0°  00'00		minimum elong	7003 Jul 27 18:39	9°  04'59	0°36'01	
desc. node	7002 Sep 10 17:09	17°  51'13		evening rise	7003 Aug 03 16:23	24°  08'17		
evening max el	7002 Sep 16 03:28	23°  46'16	25°50'35		7003 Aug 06 11:23	0°  00'00		
	7002 Sep 25 10:31	0°  00'00		evening max el	7003 Aug 28 17:17	4°  23'59	24°22'01	
retrograde	7002 Sep 30 02:13	0°  00'00		desc. node	7003 Aug 28 14:11	4°  16'30		
	7002 Oct 04 17:05	30°  00'00		retrograde	7003 Sep 11 12:23	11°  19'48		
evening set	7002 Oct 06 08:04	29°  18'49		evening set	7003 Sep 16 12:35	10°  24'13		
min. Earth dist.	7002 Oct 10 16:01	26°  43'03	0.58351 AU	min. Earth dist.	7003 Sep 22 04:17	7°  32'17	0.56504 AU	
inferior conj	7002 Oct 13 19:28	24°  27'30	-5°06'06	inferior conj	7003 Sep 24 17:24	5°  56'21	-5°28'12	
minimum elong	7002 Oct 14 00:57	24°  17'36	5°05'14	minimum elong	7003 Sep 24 17:37	5°  56'00	5°28'12	
morning rise	7002 Oct 21 20:08	20°  04'42		morning rise	7003 Oct 03 00:52	1°  54'38		
direct	7002 Oct 24 04:48	19°  46'49		direct	7003 Oct 05 16:48	1°  35'38		
morning max el	7002 Nov 01 13:49	23°  48'40	18°40'14	morning max el	7003 Oct 15 09:48	6°  09'40	19°37'53	
asc. node	7002 Nov 02 08:06	24°  34'24		asc. node	7003 Oct 20 05:05	11°  44'57		
	7002 Nov 06 15:42	0°  00'00			7003 Oct 30 18:40	0°  00'00		
morning set	7002 Nov 17 19:22	19°  14'73		morning set	7003 Nov 01 22:14	4°  17'21		
	7002 Nov 23 01:24	0°  00'00						
superior conj	7002 Nov 26 12:05	6°  33'36	1°15'41	superior conj	7003 Nov 09 20:04	20°  12'01	1°32'24	
minimum elong	7002 Nov 26 15:31	6°  49'40	1°15'20	minimum elong	7003 Nov 09 22:24	20°  12'33	1°32'16	
max. Earth dist.	7002 Dec 03 18:02	19°  43'48	1.39755 AU		7003 Nov 14 22:08	0°  00'00		
evening rise	7002 Dec 07 19:50	26°  43'55		max. Earth dist.	7003 Nov 15 23:27	1°  58'06	1.37620 AU	
desc. node	7002 Dec 07 16:14	26° 28'46		evening rise	7003 Nov 19 17:20	8° 46'01		
	7002 Dec 09 18:52	0° 00'00		desc. node	7003 Nov 24 13:16	17° 06'38		
					7003 Dec 02 14:05	0° 00'00		

evening max el	7003 Dec 25 08:30	29°  38'00	25°18'37			7004 Nov 06 00:10	0° 	
	7003 Dec 25 17:34	0° 		desc. node		7004 Nov 10 10:18	7°  33'31	
retrograde	7004 Jan 06 10:03	6°  35'31				7004 Nov 25 10:24	0° 	
evening set	7004 Jan 12 05:32	4°  11'08		evening max el		7004 Dec 06 21:32	13°  22'27	26°22'51
asc. node	7004 Jan 16 04:22	29°  54'07		retrograde		7004 Dec 19 17:16	20°  35'36	
	7004 Jan 16 02:31	30°  R 		evening set		7004 Dec 26 01:32	18°  01'34	
min. Earth dist.	7004 Jan 16 15:58	29°  17'09	0.67466 AU	min. Earth dist.		7004 Dec 30 05:19	13°  42'38	0.66501 AU
inferior conj	7004 Jan 17 20:34	27°  44'31	0°33'29	inferior conj		7004 Dec 31 21:24	11°  41'01	-0°23'39
minimum elong	7004 Jan 17 19:45	27°  47'11	0°33'13	minimum elong		7004 Dec 31 22:02	11°  39'03	0°23'19
morning rise	7004 Jan 23 10:16	21°  349'05		asc. node		7005 Jan 02 01:24	10°  17'05	
direct	7004 Jan 26 21:30	20°  339'52		morning rise		7005 Jan 06 19:16	5°  55'37	
morning max el	7004 Feb 02 23:58	24°  36'30	19°22'05	direct		7005 Jan 09 19:54	5°  03'55	
	7004 Feb 07 15:27	0° 		morning max el		7005 Jan 16 10:49	8°  39'27	18°34'17
greatest brilliancy	7004 Feb 16 02:08	11°  58'23	-0.7m			7005 Jan 31 15:43	0° 	
desc. node	7004 Feb 20 12:35	18°  40'40		morning set		7005 Feb 06 02:20	8°  36'03	
morning set	7004 Feb 27 07:20	29°  05'44		desc. node		7005 Feb 06 09:35	9°  04'44	
	7004 Feb 27 21:23	0° 				7005 Feb 19 16:40	0° 	
max. Earth dist.	7004 Mar 11 07:27	19°  22'48	1.44824 AU					
				superior conj		7005 Feb 22 04:27	3°  54'06	-1°37'37
superior conj	7004 Mar 14 22:48	25°  09'15	-2°04'08	minimum elong		7005 Feb 21 18:52	3°  16'35	1°36'41
minimum elong	7004 Mar 14 17:08	24°  46'40	2°03'51	max. Earth dist.		7005 Feb 22 01:59	3°  44'27	1.45416 AU
	7004 Mar 17 23:25	0° 		evening rise		7005 Mar 09 20:58	28°  38'23	
evening rise	7004 Mar 29 04:04	18°  020'14				7005 Mar 10 17:29	0° 	
	7004 Apr 05 04:33	0° 		greatest brilliancy		7005 Mar 18 12:57	12°  024'16	-0.8m
asc. node	7004 Apr 13 03:32	12°  817'11				7005 Mar 30 23:23	0° 	
evening max el	7004 Apr 17 06:50	17°  816'23	18°20'33	asc. node		7005 Mar 31 00:34	0°  03'13	
retrograde	7004 Apr 23 16:48	20°  843'08		evening max el		7005 Mar 31 17:30	0°  847'33	18°52'30
evening set	7004 Apr 26 17:32	19°  853'03		retrograde		7005 Apr 07 11:08	4°  832'47	
inferior conj	7004 May 02 14:51	14°  827'27	3°21'49	evening set		7005 Apr 10 18:56	3°  828'58	
minimum elong	7004 May 02 16:00	14°  824'09	3°21'40			7005 Apr 14 13:04	30°  R 	
min. Earth dist.	7004 May 04 23:55	11°  844'11	0.64072 AU	inferior conj		7005 Apr 16 08:57	27°  046'32	3°27'01
morning rise	7004 May 08 13:30	8°  814'51		minimum elong		7005 Apr 16 08:41	27°  047'20	3°26'58
direct	7004 May 15 07:48	5°  831'41		min. Earth dist.		7005 Apr 18 02:29	25°  036'46	0.65757 AU
desc. node	7004 May 18 12:01	6°  803'18		morning rise		7005 Apr 21 21:57	21°  030'16	
morning max el	7004 May 29 01:30	13°  830'50	27°34'23	direct		7005 Apr 28 09:35	18°  042'16	
	7004 Jun 11 07:52	0° 		desc. node		7005 May 05 09:01	21°  014'24	
	7004 Jun 29 10:00	0° 		morning max el		7005 May 11 11:54	26°  027'48	26°42'53
morning set	7004 Jul 03 02:11	7°  005'24				7005 May 14 18:35	0° 	
max. Earth dist.	7004 Jul 07 23:30	17°  002'07	1.33033 AU			7005 Jun 04 22:16	0° 	
asc. node	7004 Jul 10 02:44	21°  032'13		morning set		7005 Jun 16 09:12	20°  018'01	
				max. Earth dist.		7005 Jun 20 14:16	28°  029'54	1.34356 AU
superior conj	7004 Jul 11 02:06	23°  036'51	0°09'59			7005 Jun 21 08:17	0° 	
minimum elong	7004 Jul 11 01:36	23°  034'13	0°09'49					
behind sun begin	7004 Jul 10 21:18	23°  011'13		superior conj		7005 Jun 25 01:56	7°  038'01	-0°19'22
behind sun end	7004 Jul 11 05:54	23°  057'14		minimum elong		7005 Jun 25 03:00	7°  043'33	0°19'12
	7004 Jul 14 01:17	0° 		asc. node		7005 Jun 26 23:46	11°  037'16	
evening rise	7004 Jul 18 03:56	8°  049'30		evening rise		7005 Jul 02 13:40	23°  021'21	
	7004 Jul 29 04:09	0° 				7005 Jul 05 19:29	0° 	
evening max el	7004 Aug 09 05:32	14°  040'10	22°43'25	evening max el		7005 Jul 22 00:49	25°  009'59	21°10'52
desc. node	7004 Aug 14 11:14	18°  049'30				7005 Jul 28 20:48	0° 	
retrograde	7004 Aug 22 09:55	21°  044'43		desc. node		7005 Aug 01 08:16	0°  058'01	
evening set	7004 Aug 25 21:43	20°  048'01		retrograde		7005 Aug 02 23:19	1°  004'27	
min. Earth dist.	7004 Sep 02 13:17	17°  024'14	0.55202 AU	evening set		7005 Aug 05 06:47	0°  051'59	
inferior conj	7004 Sep 03 20:39	16°  039'30	-5°03'56			7005 Aug 08 08:41	30°  R 	
minimum elong	7004 Sep 03 13:53	16°  049'10	5°02'54	inferior conj		7005 Aug 14 13:50	26°  054'06	-3°46'15
morning rise	7004 Sep 12 08:04	12°  050'27		minimum elong		7005 Aug 14 04:39	27°  007'01	3°43'33
direct	7004 Sep 15 10:54	12°  028'03		min. Earth dist.		7005 Aug 14 22:42	26°  041'37	0.54721 AU
morning max el	7004 Sep 26 17:14	17°  043'41	20°57'29	morning rise		7005 Aug 23 03:07	22°  059'32	
asc. node	7004 Oct 06 02:05	29°  048'23		direct		7005 Aug 26 19:19	22°  030'31	
	7004 Oct 06 04:56	0° 		morning max el		7005 Sep 08 13:20	28°  033'48	22°35'01
morning set	7004 Oct 16 06:04	19°  000'06				7005 Sep 10 00:30	0° 	
	7004 Oct 21 12:35	0°		asc. node		7005 Sep 22 23:07	18° 032'27	
						7005 Sep 28 20:34	0°	
superior conj	7004 Oct 23 15:19	4° 022'40	1°40'45	morning set		7005 Sep 30 16:47	3° 050'14	
minimum elong	7004 Oct 23 16:14	4° 027'22	1°40'46					
max. Earth dist.	7004 Oct 28 08:38	13° 053'16	1.35659 AU	superior conj		7005 Oct 07 18:24	18° 055'48	1°41'53
evening rise	7004 Nov 01 09:37	21° 038'24		minimum elong		7005 Oct 07 17:59	18° 053'37	1°41'54

max. Earth dist.	7005 Oct 11 01:20	25° Ω 50'14	1.34039 AU	minimum elong	7006 Sep 22 01:04	3° Ω 33'47	1°36'37
	7005 Oct 13 02:08	0° \mathbb{M}		max. Earth dist.	7006 Sep 24 02:14	8° Ω 00'04	1.32837 AU
evening rise	7005 Oct 15 16:46	5° \mathbb{M} 11'41		evening rise	7006 Sep 29 10:56	19° Ω 14'39	
desc. node	7005 Oct 28 07:22	27° \mathbb{M} 44'06			7006 Oct 04 23:19	0° \mathbb{M}	
	7005 Oct 29 17:16	0° \mathbb{A}		desc. node	7006 Oct 15 04:26	17° \mathbb{M} 30'10	
evening max el	7005 Nov 19 10:24	26° \mathbb{A} 56'50	27°08'12		7006 Oct 23 22:09	0° \mathbb{A}	
	7005 Nov 22 22:23	0° \mathbb{B}		evening max el	7006 Nov 01 21:52	10° \mathbb{A} 09'41	27°27'56
retrograde	7005 Dec 02 18:51	4° \mathbb{B} 16'09		retrograde	7006 Nov 15 14:12	17° \mathbb{A} 27'42	
evening set	7005 Dec 09 13:58	1° \mathbb{B} 38'10		evening set	7006 Nov 22 16:09	14° \mathbb{A} 54'17	
	7005 Dec 11 10:54	30° \mathbb{R} \mathbb{A}		min. Earth dist.	7006 Nov 26 09:18	11° \mathbb{A} 41'38	0.63529 AU
min. Earth dist.	7005 Dec 13 11:46	27° \mathbb{A} 53'45	0.65182 AU	inferior conj	7006 Nov 29 00:36	9° \mathbb{A} 02'07	-2°33'03
inferior conj	7005 Dec 15 15:37	25° \mathbb{A} 29'01	-1°26'28	minimum elong	7006 Nov 29 05:17	8° \mathbb{A} 50'17	2°31'12
minimum elong	7005 Dec 15 18:10	25° \mathbb{A} 21'53	1°25'21	morning rise	7006 Dec 05 20:10	3° \mathbb{A} 45'01	
asc. node	7005 Dec 19 22:25	21° \mathbb{A} 13'50		asc. node	7006 Dec 06 19:28	3° \mathbb{A} 27'04	
morning rise	7005 Dec 21 23:36	19° \mathbb{A} 56'19		direct	7006 Dec 08 05:51	3° \mathbb{A} 17'02	
direct	7005 Dec 24 15:34	19° \mathbb{A} 18'26		morning max el	7006 Dec 14 19:35	6° \mathbb{A} 41'31	17°49'06
morning max el	7005 Dec 31 02:21	22° \mathbb{A} 43'45	18°03'04		7006 Dec 30 04:16	0° \mathbb{B}	
	7006 Jan 05 21:20	0° \mathbb{B}		morning set	7006 Dec 31 06:00	1° \mathbb{B} 51'18	
morning set	7006 Jan 18 02:54	19° \mathbb{B} 35'10		desc. node	7007 Jan 11 03:38	20° \mathbb{B} 22'26	
desc. node	7006 Jan 24 06:36	29° \mathbb{B} 40'05					
	7006 Jan 24 11:30	0° \approx		superior conj	7007 Jan 12 15:19	22° \mathbb{B} 49'34	-0°10'40
				minimum elong	7007 Jan 12 14:10	22° \mathbb{B} 44'50	0°10'26
superior conj	7006 Feb 01 12:11	12° \approx 52'22	-0°56'14	behind sun begin	7007 Jan 12 06:46	22° \mathbb{B} 14'26	
minimum elong	7006 Feb 01 05:29	12° \approx 25'51	0°55'18	behind sun end	7007 Jan 12 21:33	23° \mathbb{B} 15'11	
max. Earth dist.	7006 Feb 04 21:31	18° \approx 13'13	1.45260 AU		7007 Jan 17 01:19	0° \approx	
	7006 Feb 12 10:37	0° \mathbb{H}		max. Earth dist.	7007 Jan 18 15:25	2° \approx 32'29	1.44387 AU
evening rise	7006 Feb 17 17:28	8° \mathbb{H} 11'10		evening rise	7007 Jan 28 04:20	17° \approx 27'43	
greatest brilliancy	7006 Mar 03 04:53	28° \mathbb{H} 45'50	-0.7m		7007 Feb 05 10:35	0° \mathbb{H}	
	7006 Mar 04 00:55	0° \mathbb{Y}		evening max el	7007 Feb 26 01:01	27° \mathbb{H} 59'24	20°43'56
evening max el	7006 Mar 14 23:54	14° \mathbb{Y} 22'30	19°41'02		7007 Feb 28 04:36	0° \mathbb{Y}	
asc. node	7006 Mar 17 21:37	16° \mathbb{Y} 55'11		asc. node	7007 Mar 04 18:40	2° \mathbb{Y} 38'33	
retrograde	7006 Mar 22 08:48	18° \mathbb{Y} 36'56		retrograde	7007 Mar 06 07:16	2° \mathbb{Y} 50'41	
evening set	7006 Mar 26 00:28	17° \mathbb{Y} 18'51		evening set	7007 Mar 10 08:03	1° \mathbb{Y} 17'47	
inferior conj	7006 Mar 31 10:10	11° \mathbb{Y} 21'37	3°18'07		7007 Mar 11 18:32	30° \mathbb{R} \mathbb{H}	
minimum elong	7006 Mar 31 08:48	11° \mathbb{Y} 26'08	3°17'56	inferior conj	7007 Mar 15 15:53	25° \mathbb{H} 08'05	2°57'51
min. Earth dist.	7006 Apr 01 12:52	9° \mathbb{Y} 52'56	0.67023 AU	minimum elong	7007 Mar 15 13:49	25° \mathbb{H} 15'10	2°57'27
morning rise	7006 Apr 05 16:51	5° \mathbb{Y} 05'02		min. Earth dist.	7007 Mar 16 04:58	24° \mathbb{H} 23'03	0.67850 AU
direct	7006 Apr 11 17:36	2° \mathbb{Y} 23'38		morning rise	7007 Mar 20 19:22	18° \mathbb{H} 53'26	
desc. node	7006 Apr 22 06:02	8° \mathbb{Y} 04'18		direct	7007 Mar 26 06:51	16° \mathbb{H} 27'20	
morning max el	7006 Apr 23 21:36	9° \mathbb{Y} 40'41	25°28'34	morning max el	7007 Apr 06 06:26	23° \mathbb{H} 01'14	24°01'42
	7006 May 09 22:44	0° \mathbb{B}		desc. node	7007 Apr 09 03:03	26° \mathbb{H} 05'41	
	7006 May 28 12:32	0° \mathbb{I}			7007 Apr 12 09:55	0° \mathbb{Y}	
morning set	7006 May 30 01:08	2° \mathbb{I} 44'29			7007 May 03 07:16	0° \mathbb{B}	
max. Earth dist.	7006 Jun 02 17:55	9° \mathbb{I} 34'52	1.36135 AU	morning set	7007 May 11 20:38	14° \mathbb{B} 10'41	
				max. Earth dist.	7007 May 15 14:14	20° \mathbb{B} 43'09	1.38256 AU
superior conj	7006 Jun 08 17:00	21° \mathbb{I} 09'33	-0°50'18		7007 May 20 16:14	0° \mathbb{I}	
minimum elong	7006 Jun 08 19:56	21° \mathbb{I} 24'13	0°49'49				
	7006 Jun 13 01:55	0° \mathbb{E}		superior conj	7007 May 22 19:53	4° \mathbb{I} 03'25	-1°20'45
asc. node	7006 Jun 13 20:49	1° \mathbb{E} 36'33		minimum elong	7007 May 23 00:36	4° \mathbb{I} 25'51	1°20'06
evening rise	7006 Jun 16 19:26	7° \mathbb{E} 37'05		evening rise	7007 May 31 18:36	21° \mathbb{I} 29'56	
	7006 Jun 29 04:27	0° \mathbb{Q}		asc. node	7007 May 31 17:53	21° \mathbb{I} 26'21	
evening max el	7006 Jul 04 08:37	6° \mathbb{Q} 17'41	19°54'30		7007 Jun 05 04:09	0° \mathbb{E}	
retrograde	7006 Jul 14 14:36	11° \mathbb{Q} 20'02		evening max el	7007 Jun 17 04:53	18° \mathbb{E} 09'43	18°58'14
evening set	7006 Jul 16 11:37	11° \mathbb{Q} 10'38		retrograde	7007 Jun 25 19:34	22° \mathbb{E} 24'12	
desc. node	7006 Jul 19 05:19	10° \mathbb{Q} 25'54		evening set	7007 Jun 27 19:15	22° \mathbb{E} 11'34	
inferior conj	7006 Jul 25 11:00	7° \mathbb{Q} 10'05	-1°53'09	inferior conj	7007 Jul 06 00:42	17° \mathbb{E} 56'07	0°01'14
minimum elong	7006 Jul 25 05:46	7° \mathbb{Q} 18'03	1°51'15	minimum elong	7007 Jul 06 00:45	17° \mathbb{E} 56'02	0°01'09
min. Earth dist.	7006 Jul 27 10:34	5° \mathbb{Q} 57'46	0.55207 AU	transit middle	7007 Jul 06 00:45	17° \mathbb{E} 56'02	0°01'09
morning rise	7006 Aug 02 22:02	2° \mathbb{Q} 49'23		transit begin	7007 Jul 05 21:00	18° \mathbb{E} 02'36	
direct	7006 Aug 07 08:10	2° \mathbb{Q} 06'28		transit end	7007 Jul 06 04:30	17° \mathbb{E} 49'27	
morning max el	7006 Aug 21 02:59	8° \mathbb{Q} 54'52	24°20'14	desc. node	7007 Jul 06 02:21	17° \mathbb{E} 53'14	
	7006 Sep 05 15:18	0° \mathbb{P}		min. Earth dist.	7007 Jul 09 01:47	15° \mathbb{E} 48'48	0.56578 AU
asc. node	7006 Sep 09 20:09	7° \mathbb{P} 46'02		morning rise	7007 Jul 14 02:56	12° \mathbb{E} 59'18	
morning set	7006 Sep 15 04:32	18° \mathbb{P} 41'08		direct	7007 Jul 19 10:28	11° \mathbb{E} 52'18	
	7006 Sep 20 09:53	0° \mathbb{U}		morning max el	7007 Aug 02 16:48	19° \mathbb{E} 14'24	25°57'30
					7007 Aug 11 19:17	0° \mathbb{Q}	
superior conj	7006 Sep 22 02:30	3° \mathbb{U} 41'38	1°36'43	asc. node	7007 Aug 27 17:12	27° \mathbb{Q} 21'24	

	7007 Aug 29 00:04	0°♎			7008 Aug 04 18:33	0°♏	
morning set	7007 Aug 30 15:40	3°♎28'06		asc. node	7008 Aug 13 14:13	17°♏12'04	
				morning set	7008 Aug 14 00:34	18°♏06'22	
superior conj	7007 Sep 06 13:25	18°♎33'08	1°25'59		7008 Aug 19 12:19	0°♎	
minimum elong	7007 Sep 06 11:20	18°♎21'40	1°25'43				
max. Earth dist.	7007 Sep 07 09:36	20°♎24'27	1.32083 AU	superior conj	7008 Aug 21 01:14	3°♎24'23	1°10'14
	7007 Sep 11 19:32	0°♎		minimum elong	7008 Aug 20 22:58	3°♎11'49	1°09'50
evening rise	7007 Sep 13 13:00	3°♎38'37		max. Earth dist.	7008 Aug 20 20:09	2°♎56'12	1.31770 AU
	7007 Sep 27 17:25	0°♎		evening rise	7008 Aug 27 20:23	18°♎16'00	
desc. node	7007 Oct 02 01:28	6°♎41'48			7008 Sep 02 14:51	0°♎	
evening max el	7007 Oct 15 05:46	22°♎48'16	27°16'25	desc. node	7008 Sep 17 22:31	25°♎05'22	
	7007 Oct 28 12:59	0°♎			7008 Sep 21 20:57	0°♎	
retrograde	7007 Oct 29 02:08	0°♎00'48		evening max el	7008 Sep 26 07:17	4°♎40'45	26°31'03
	7007 Oct 29 15:14	30°♎		retrograde	7008 Oct 10 05:23	11°♎47'41	
evening set	7007 Nov 05 04:30	27°♎42'40		evening set	7008 Oct 16 22:32	9°♎55'55	
min. Earth dist.	7007 Nov 08 20:28	24°♎55'02	0.61605 AU	min. Earth dist.	7008 Oct 20 20:51	7°♎21'03	0.59532 AU
inferior conj	7007 Nov 11 21:15	22°♎12'31	-3°39'41	inferior conj	7008 Oct 24 02:03	4°♎50'46	-4°39'21
minimum elong	7007 Nov 12 03:42	21°♎58'02	3°37'34	minimum elong	7008 Oct 24 08:45	4°♎37'40	4°37'49
morning rise	7007 Nov 19 04:59	17°♎14'15		morning rise	7008 Oct 31 21:11	0°♎14'33	
direct	7007 Nov 21 11:21	16°♎52'31			7008 Nov 02 02:32	30°♎	
asc. node	7007 Nov 23 16:32	17°♎14'04		direct	7008 Nov 03 03:57	29°♎55'55	
morning max el	7007 Nov 28 11:18	20°♎24'28	17°53'19		7008 Nov 04 05:05	0°♎	
	7007 Dec 05 14:53	0°♎		asc. node	7008 Nov 09 13:34	2°♎31'26	
morning set	7007 Dec 14 05:04	15°♎04'25		morning max el	7008 Nov 10 22:08	3°♎43'53	18°17'08
	7007 Dec 22 12:50	0°♎		morning set	7008 Nov 26 18:16	28°♎57'20	
					7008 Nov 27 07:27	0°♎	
superior conj	7007 Dec 24 20:22	4°♎01'43	0°30'06				
minimum elong	7007 Dec 24 22:54	4°♎12'40	0°29'47	superior conj	7008 Dec 06 01:18	16°♎22'55	1°01'50
desc. node	7007 Dec 29 00:38	11°♎08'09		minimum elong	7008 Dec 06 04:55	16°♎39'25	1°01'25
max. Earth dist.	7008 Jan 01 05:51	16°♎28'02	1.42903 AU	max. Earth dist.	7008 Dec 13 15:41	29°♎47'06	1.40976 AU
evening rise	7008 Jan 07 21:09	27°♎06'37			7008 Dec 13 18:43	0°♎	
	7008 Jan 09 17:34	0°♎		desc. node	7008 Dec 14 21:39	1°♎54'05	
	7008 Jan 30 06:10	0°♎		evening rise	7008 Dec 18 08:00	7°♎36'04	
evening max el	7008 Feb 08 20:52	11°♎37'51	21°57'31		7009 Jan 01 20:12	0°♎	
retrograde	7008 Feb 18 04:34	17°♎09'33		evening max el	7009 Jan 21 12:33	25°♎19'14	23°16'47
asc. node	7008 Feb 19 15:44	16°♎58'25			7009 Jan 27 05:46	0°♎	
evening set	7008 Feb 22 15:56	15°♎21'21		retrograde	7009 Jan 31 23:19	1°♎30'11	
inferior conj	7008 Feb 27 23:52	9°♎01'59	2°27'57		7009 Feb 05 05:35	30°♎	
minimum elong	7008 Feb 27 21:33	9°♎10'02	2°27'21	evening set	7009 Feb 05 22:35	29°♎26'44	
min. Earth dist.	7008 Feb 28 00:29	8°♎59'48	0.68254 AU	asc. node	7009 Feb 05 12:46	29°♎46'35	
morning rise	7008 Mar 04 03:00	2°♎50'50		inferior conj	7009 Feb 11 08:15	23°♎01'03	1°49'35
direct	7008 Mar 09 00:16	0°♎45'27		minimum elong	7009 Feb 11 06:07	23°♎08'20	1°48'53
morning max el	7008 Mar 18 16:47	6°♎28'09	22°32'16	min. Earth dist.	7009 Feb 10 21:13	23°♎39'00	0.68254 AU
desc. node	7008 Mar 26 00:01	14°♎57'58		morning rise	7009 Feb 16 13:36	16°♎54'47	
	7008 Apr 05 20:36	0°♎		direct	7009 Feb 20 20:46	15°♎12'10	
morning set	7008 Apr 21 13:58	24°♎21'17		morning max el	7009 Mar 01 08:29	20°♎05'52	21°08'42
	7008 Apr 24 23:42	0°♎			7009 Mar 09 14:54	0°♎	
max. Earth dist.	7008 Apr 26 10:54	2°♎28'40	1.40490 AU	desc. node	7009 Mar 12 21:01	4°♎27'25	
					7009 Mar 30 01:30	0°♎	
superior conj	7008 May 04 06:09	16°♎08'18	-1°47'32	morning set	7009 Apr 01 03:45	3°♎16'17	
minimum elong	7008 May 04 11:38	16°♎33'05	1°47'03	max. Earth dist.	7009 Apr 08 13:50	15°♎09'34	1.42547 AU
	7008 May 11 18:09	0°♎					
evening rise	7008 May 14 07:51	4°♎50'55		superior conj	7009 Apr 15 19:01	27°♎13'16	-2°06'00
asc. node	7008 May 17 14:54	11°♎01'25		minimum elong	7009 Apr 15 22:46	27°♎29'16	2°05'53
	7008 May 29 19:01	0°♎			7009 Apr 17 09:51	0°♎	
evening max el	7008 May 30 10:22	0°♎39'07	18°22'33	evening rise	7009 Apr 27 07:11	17°♎30'35	
retrograde	7008 Jun 06 19:50	4°♎20'21		asc. node	7009 May 04 11:55	0°♎16'14	
evening set	7008 Jun 09 02:26	4°♎00'19			7009 May 04 08:07	0°♎	
	7008 Jun 15 18:35	30°♎		evening max el	7009 May 13 21:20	13°♎36'16	18°06'46
inferior conj	7008 Jun 16 11:58	29°♎24'30	1°32'50	retrograde	7009 May 20 13:30	17°♎00'36	
minimum elong	7008 Jun 16 14:49	29°♎18'38	1°31'51	evening set	7009 May 23 03:19	16°♎30'19	
min. Earth dist.	7008 Jun 19 21:49	26°♎37'38	0.58547 AU	inferior conj	7009 May 29 19:38	11°♎34'03	2°35'03
desc. node	7008 Jun 21 23:22	25°♎07'21		minimum elong	7009 May 29 22:43	11°♎26'39	2°34'15
morning rise	7008 Jun 24 00:00	23°♎54'04		min. Earth dist.	7009 Jun 02 01:09	8°♎30'28	0.60765 AU
direct	7008 Jun 30 02:35	22°♎15'43		morning rise	7009 Jun 05 15:45	5°♎39'23	
	7008 Jul 14 11:57	0°♎		desc. node	7009 Jun 08 20:22	4°♎03'57	
morning max el	7008 Jul 14 11:50	29°♎59'43	27°10'58	direct	7009 Jun 12 06:36	3°♎29'17	

morning max el	7009 Jun 26 13:42	11° Π 26'46	27°49'42	desc. node	7010 May 26 17:23	15° \mathcal{B} 36'28	
	7009 Jul 11 02:53	0° \mathcal{E}		morning max el	7010 Jun 08 20:59	23° \mathcal{B} 36'37	27°50'18
	7009 Jul 28 00:05	0° \mathcal{O}			7010 Jun 14 14:01	0° Π	
morning set	7009 Jul 29 05:23	2° \mathcal{O} 30'17			7010 Jul 04 10:21	0° \mathcal{E}	
asc. node	7009 Jul 31 11:13	7° \mathcal{O} 12'31		morning set	7010 Jul 13 04:02	16° \mathcal{E} 33'46	
max. Earth dist.	7009 Aug 04 06:03	15° \mathcal{O} 23'40	1.31898 AU	asc. node	7010 Jul 18 08:13	27° \mathcal{E} 18'24	
				max. Earth dist.	7010 Jul 18 11:14	27° \mathcal{E} 34'33	1.32479 AU
	7010 Jul 19 14:22	0° \mathcal{O}					
superior conj	7009 Aug 05 12:11	18° \mathcal{O} 09'19	0°49'56				
minimum elong	7009 Aug 05 10:13	17° \mathcal{O} 58'26	0°49'31				
	7009 Aug 10 21:32	0° \mathcal{M}		superior conj	7010 Jul 20 20:30	2° \mathcal{O} 42'48	0°25'36
evening rise	7009 Aug 12 06:53	2° \mathcal{M} 59'39		minimum elong	7010 Jul 20 19:19	2° \mathcal{O} 36'24	0°25'18
	7009 Aug 26 16:19	0° \mathcal{A}		evening rise	7010 Jul 27 18:36	17° \mathcal{O} 43'50	
desc. node	7009 Sep 04 19:33	12° \mathcal{A} 21'06			7010 Aug 02 18:47	0° \mathcal{M}	
evening max el	7009 Sep 08 00:40	15° \mathcal{A} 42'02	25°15'12	evening max el	7010 Aug 20 12:39	26° \mathcal{M} 06'19	23°40'19
retrograde	7009 Sep 21 22:21	22° \mathcal{A} 43'58		desc. node	7010 Aug 22 16:35	28° \mathcal{M} 03'02	
evening set	7009 Sep 27 17:23	21° \mathcal{A} 27'04			7010 Aug 25 07:36	0° \mathcal{A}	
min. Earth dist.	7009 Oct 02 12:13	18° \mathcal{A} 47'00	0.57517 AU	retrograde	7010 Sep 03 03:34	2° \mathcal{A} 56'09	
inferior conj	7009 Oct 05 11:40	16° \mathcal{A} 46'18	-5°20'04	evening set	7010 Sep 07 12:15	2° \mathcal{A} 14'23	
minimum elong	7009 Oct 05 15:23	16° \mathcal{A} 39'58	5°19'43		7010 Sep 12 12:13	30° \mathcal{R} \mathcal{M}	
morning rise	7009 Oct 13 15:42	12° \mathcal{A} 33'20		min. Earth dist.	7010 Sep 13 22:43	29° \mathcal{M} 10'27	0.55859 AU
direct	7009 Oct 16 03:03	12° \mathcal{A} 15'13		inferior conj	7010 Sep 16 01:06	27° \mathcal{M} 54'57	-5°24'32
morning max el	7009 Oct 25 00:30	16° \mathcal{A} 29'00	19°02'08	minimum elong	7010 Sep 15 22:15	27° \mathcal{M} 59'15	5°24'21
asc. node	7009 Oct 27 10:34	19° \mathcal{A} 05'00		morning rise	7010 Sep 24 10:34	24° \mathcal{M} 00'27	
	7009 Nov 03 17:02	0° \mathcal{M}		direct	7010 Sep 27 06:32	23° \mathcal{M} 40'29	
morning set	7009 Nov 10 17:04	13° \mathcal{M} 16'03		morning max el	7010 Oct 07 15:24	28° \mathcal{M} 31'13	20°09'15
					7010 Oct 09 02:51	0° \mathcal{A}	
superior conj	7009 Nov 19 00:52	29° \mathcal{M} 37'23	1°23'51	asc. node	7010 Oct 14 07:35	6° \mathcal{A} 39'56	
minimum elong	7009 Nov 19 03:55	29° \mathcal{M} 51'58	1°23'36	morning set	7010 Oct 25 22:19	27° \mathcal{A} 51'56	
	7009 Nov 19 05:35	0° \mathcal{X}			7010 Oct 26 23:22	0° \mathcal{M}	
max. Earth dist.	7009 Nov 25 21:29	12° \mathcal{X} 22'04	1.38835 AU				
evening rise	7009 Nov 29 17:03	19° \mathcal{X} 04'29		superior conj	7010 Nov 02 14:09	13° \mathcal{M} 31'06	1°36'53
desc. node	7009 Dec 01 18:41	22° \mathcal{X} 35'54		minimum elong	7010 Nov 02 15:53	13° \mathcal{M} 39'51	1°36'50
	7009 Dec 06 06:33	0° \mathcal{Z}		max. Earth dist.	7010 Nov 08 03:23	24° \mathcal{M} 23'26	1.36747 AU
	7009 Dec 27 02:19	0° \approx			7010 Nov 11 03:28	0° \mathcal{X}	
evening max el	7010 Jan 04 01:51	9° \approx 03'18	24°35'51	evening rise	7010 Nov 11 22:59	1° \mathcal{X} 29'05	
retrograde	7010 Jan 15 14:26	15° \approx 47'14		desc. node	7010 Nov 18 15:42	13° \mathcal{X} 09'36	
evening set	7010 Jan 21 02:26	13° \approx 29'39			7010 Nov 29 09:41	0° \mathcal{Z}	
asc. node	7010 Jan 23 09:48	11° \approx 09'21		evening max el	7010 Dec 17 14:39	22° \mathcal{Z} 48'53	25°47'45
min. Earth dist.	7010 Jan 25 16:53	8° \approx 16'00	0.67861 AU	retrograde	7010 Dec 30 00:54	29° \mathcal{Z} 55'16	
inferior conj	7010 Jan 26 15:10	7° \approx 01'49	1°03'24	evening set	7011 Jan 05 01:51	27° \mathcal{Z} 26'09	
minimum elong	7010 Jan 26 13:43	7° \approx 06'37	1°02'53	min. Earth dist.	7011 Jan 09 09:19	22° \mathcal{Z} 46'58	0.67096 AU
morning rise	7010 Feb 01 01:10	1° \approx 01'59		asc. node	7011 Jan 10 06:50	21° \mathcal{Z} 39'04	
	7010 Feb 02 23:40	30° \mathcal{R} \mathcal{Z}		inferior conj	7011 Jan 10 18:48	21° \mathcal{Z} 01'09	0°10'03
direct	7010 Feb 04 19:11	29° \mathcal{Z} 41'25		minimum elong	7011 Jan 10 18:32	21° \mathcal{Z} 01'59	0°10'00
	7010 Feb 06 16:14	0° \approx		transit middle	7011 Jan 10 18:32	21° \mathcal{Z} 01'59	0°10'00
morning max el	7010 Feb 12 07:52	3° \approx 55'42	19°56'49	transit begin	7011 Jan 10 16:19	21° \mathcal{Z} 09'00	
desc. node	7010 Feb 27 18:00	24° \approx 23'39		transit end	7011 Jan 10 20:45	20° \mathcal{Z} 54'58	
	7010 Mar 03 11:49	0° \mathcal{H}		morning rise	7011 Jan 16 11:43	15° \mathcal{Z} 09'40	
morning set	7010 Mar 11 01:08	11° \mathcal{H} 31'55		direct	7011 Jan 19 18:05	14° \mathcal{Z} 08'30	
max. Earth dist.	7010 Mar 21 23:54	28° \mathcal{H} 40'25	1.44163 AU	morning max el	7011 Jan 26 14:55	17° \mathcal{Z} 55'08	18°59'43
	7010 Mar 22 19:50	0° \mathcal{Y}			7011 Feb 05 00:06	0° \approx	
				desc. node	7011 Feb 14 15:00	14° \approx 39'17	
superior conj	7010 Mar 27 07:00	7° \mathcal{Y} 12'09	-2°10'16	morning set	7011 Feb 18 06:08	20° \approx 17'54	
minimum elong	7010 Mar 27 05:20	7° \mathcal{Y} 05'21	2°10'15		7011 Feb 24 11:33	0° \mathcal{H}	
evening rise	7010 Apr 09 12:05	29° \mathcal{Y} 19'25		max. Earth dist.	7011 Mar 04 15:32	12° \mathcal{H} 46'33	1.45162 AU
	7010 Apr 09 21:33	0° \mathcal{B}					
asc. node	7010 Apr 21 08:57	19° \mathcal{B} 04'11		superior conj	7011 Mar 06 20:29	16° \mathcal{H} 14'54	-1°55'14
evening max el	7010 Apr 27 10:25	26° \mathcal{B} 52'45	18°10'11	minimum elong	7011 Mar 06 12:23	15° \mathcal{H} 43'02	1°54'40
	7010 May 02 03:29	0° Π			7011 Mar 15 11:51	0° \mathcal{Y}	
retrograde	7010 May 03 20:03	0° Π 14'56		evening rise	7011 Mar 21 18:31	10° \mathcal{Y} 10'13	
	7010 May 05 12:38	30° \mathcal{R} \mathcal{B}			7011 Apr 03 02:17	0° \mathcal{B}	
evening set	7010 May 06 16:44	29° \mathcal{B} 32'35		asc. node	7011 Apr 08 05:59	7° \mathcal{B} 16'12	
inferior conj	7010 May 12 19:52	24° \mathcal{B} 17'22	3°10'58	evening max el	7011 Apr 10 22:43	10° \mathcal{B} 20'40	18°32'01
minimum elong	7010 May 12 21:51	24° \mathcal{B} 11'59	3°10'37	retrograde	7011 Apr 17 11:04	13° \mathcal{B} 53'56	
min. Earth dist.	7010 May 15 13:29	21° \mathcal{B} 20'44	0.62932 AU	evening set	7011 Apr 20 14:40	12° \mathcal{B} 58'16	
morning rise	7010 May 19 01:30	18° \mathcal{B} 08'49		inferior conj	7011 Apr 26 08:30	7° \mathcal{B} 25'33	3°25'57
direct	7010 May 25 20:41	15° \mathcal{B} 34'09		minimum elong	7011 Apr 26 09:02	7° \mathcal{B} 23'58	3°25'52

min. Earth dist.	7011 Apr 28 11:06	4° ♄ 54'50	0.64838 AU	retrograde	7012 Mar 31 07:05	27° ♄ 51'06	
morning rise	7011 May 02 02:37	1° ♄ 10'46		evening set	7012 Apr 03 18:09	26° ♄ 41'18	
	7011 May 03 16:40	30° ♄ 0'00		inferior conj	7012 Apr 09 06:01	20° ♄ 52'34	3°24'44
direct	7011 May 08 18:48	28° ♄ 23'38		minimum elong	7012 Apr 09 05:15	20° ♄ 55'03	3°24'39
desc. node	7011 May 13 14:25	29° ♄ 36'36		min. Earth dist.	7012 Apr 10 17:10	18° ♄ 59'36	0.66356 AU
	7011 May 14 08:45	0° ♄		morning rise	7012 Apr 14 15:58	14° ♄ 36'03	
morning max el	7011 May 22 06:49	6° ♄ 19'22	27°15'45	direct	7012 Apr 20 23:32	11° ♄ 49'25	
	7011 Jun 09 10:03	0° ♄		desc. node	7012 Apr 29 11:26	15° ♄ 33'58	
morning set	7011 Jun 26 17:43	0° ♄ 07'43		morning max el	7012 May 03 16:53	19° ♄ 24'12	26°13'22
	7011 Jun 26 16:08	0° ♄			7012 May 12 17:11	0° ♄	
max. Earth dist.	7011 Jul 01 07:50	9° ♄ 17'49	1.33535 AU		7012 Jun 01 11:43	0° ♄	
				morning set	7012 Jun 08 18:54	13° ♄ 02'27	
superior conj	7011 Jul 05 00:06	16° ♄ 57'46	-0°02'12	max. Earth dist.	7012 Jun 12 17:36	20° ♄ 33'38	1.35071 AU
minimum elong	7011 Jul 05 00:13	16° ♄ 58'23	0°02'14		7012 Jun 17 11:14	0° ♄	
behind sun begin	7011 Jul 04 18:43	16° ♄ 29'20					
behind sun end	7011 Jul 05 05:43	17° ♄ 27'29		superior conj	7012 Jun 17 20:37	0° ♄ 47'52	-0°32'22
asc. node	7011 Jul 05 05:15	17° ♄ 25'00		minimum elong	7012 Jun 17 22:28	0° ♄ 57'15	0°32'05
	7011 Jul 11 02:50	0° ♄		asc. node	7012 Jun 21 02:15	7° ♄ 28'10	
evening rise	7011 Jul 12 05:37	2° ♄ 21'45		evening rise	7012 Jun 25 13:57	16° ♄ 47'51	
	7011 Jul 27 15:32	0° ♄			7012 Jul 02 06:27	0° ♄	
evening max el	7011 Aug 02 02:57	6° ♄ 24'29	22°02'35	evening max el	7012 Jul 14 03:21	17° ♄ 09'00	20°35'57
desc. node	7011 Aug 09 13:38	11° ♄ 38'11		retrograde	7012 Jul 25 08:48	22° ♄ 41'02	
retrograde	7011 Aug 14 20:45	12° ♄ 44'03		desc. node	7012 Jul 26 10:41	22° ♄ 38'09	
evening set	7011 Aug 17 18:19	12° ♄ 25'22		evening set	7012 Jul 27 09:55	22° ♄ 30'47	
inferior conj	7011 Aug 26 22:35	8° ♄ 23'00	-4°37'06	inferior conj	7012 Aug 05 15:34	18° ♄ 33'50	-3°00'32
minimum elong	7011 Aug 26 13:55	8° ♄ 35'11	4°35'12	minimum elong	7012 Aug 05 07:30	18° ♄ 45'25	2°57'51
min. Earth dist.	7011 Aug 26 07:55	8° ♄ 43'36	0.54883 AU	min. Earth dist.	7012 Aug 06 18:02	17° ♄ 55'48	0.54820 AU
morning rise	7011 Sep 04 11:00	4° ♄ 33'45		morning rise	7012 Aug 14 04:37	14° ♄ 30'27	
direct	7011 Sep 07 19:03	4° ♄ 09'04		direct	7012 Aug 18 04:13	13° ♄ 56'24	
morning max el	7011 Sep 19 17:38	9° ♄ 45'28	21°37'13	morning max el	7012 Aug 31 09:57	20° ♄ 19'29	23°19'40
asc. node	7011 Oct 01 04:37	25° ♄ 01'58			7012 Sep 08 14:17	0° ♄	
	7011 Oct 03 23:18	0° ♄		asc. node	7012 Sep 17 01:38	13° ♄ 59'43	
morning set	7011 Oct 10 07:36	12° ♄ 38'08		morning set	7012 Sep 23 18:56	27° ♄ 29'03	
					7012 Sep 24 23:19	0° ♄	
superior conj	7011 Oct 17 13:05	27° ♄ 52'11	1°42'03				
minimum elong	7011 Oct 17 13:25	27° ♄ 53'53	1°42'05	superior conj	7012 Sep 30 18:33	12° ♄ 31'16	1°40'25
	7011 Oct 18 13:39	0° ♄		minimum elong	7012 Sep 30 17:40	12° ♄ 26'28	1°40'23
max. Earth dist.	7011 Oct 21 15:11	6° ♄ 15'47	1.34919 AU	max. Earth dist.	7012 Oct 03 11:41	18° ♄ 18'22	1.33476 AU
evening rise	7011 Oct 25 22:06	14° ♄ 40'16		evening rise	7012 Oct 08 10:20	28° ♄ 27'16	
	7011 Nov 03 10:24	0° ♄			7012 Oct 09 05:04	0° ♄	
desc. node	7011 Nov 05 12:45	3° ♄ 30'19		desc. node	7012 Oct 22 09:48	23° ♄ 31'30	
	7011 Nov 24 02:55	0° ♄			7012 Oct 26 14:33	0° ♄	
evening max el	7011 Nov 30 03:50	6° ♄ 30'56	26°45'02	evening max el	7012 Nov 11 16:32	19° ♄ 58'22	27°20'17
retrograde	7011 Dec 13 05:57	13° ♄ 47'57		retrograde	7012 Nov 25 04:42	27° ♄ 17'02	
evening set	7011 Dec 19 18:57	11° ♄ 11'42		evening set	7012 Dec 02 03:22	24° ♄ 40'07	
min. Earth dist.	7011 Dec 23 20:10	7° ♄ 07'18	0.65974 AU	min. Earth dist.	7012 Dec 05 23:05	21° ♄ 09'39	0.64513 AU
inferior conj	7011 Dec 25 17:09	4° ♄ 55'09	-0°49'41	inferior conj	7012 Dec 08 07:47	18° ♄ 37'47	-1°54'27
minimum elong	7011 Dec 25 18:33	4° ♄ 51'01	0°49'01	minimum elong	7012 Dec 08 11:14	18° ♄ 28'31	1°52'58
asc. node	7011 Dec 28 03:54	2° ♄ 09'57		asc. node	7012 Dec 14 00:58	13° ♄ 35'19	
	7011 Dec 30 14:02	30° ♄ 0'00		morning rise	7012 Dec 14 20:31	13° ♄ 11'06	
morning rise	7011 Dec 31 19:04	29° ♄ 14'32		direct	7012 Dec 17 09:36	12° ♄ 37'45	
direct	7012 Jan 03 15:44	28° ♄ 29'10		morning max el	7012 Dec 23 20:37	16° ♄ 01'30	17°55'00
	7012 Jan 07 19:51	0° ♄			7013 Jan 02 21:22	0° ♄	
morning max el	7012 Jan 10 04:03	1° ♄ 59'25	18°18'55	morning set	7013 Jan 10 02:13	12° ♄ 00'55	
	7012 Jan 29 07:02	0° ♄		desc. node	7013 Jan 18 09:01	25° ♄ 47'43	
morning set	7012 Jan 29 13:36	0° ♄ 26'25			7013 Jan 20 22:55	0° ♄	
desc. node	7012 Feb 01 12:01	5° ♄ 08'57					
				superior conj	7013 Jan 23 14:51	4° ♄ 17'58	-0°36'47
superior conj	7012 Feb 14 00:34	24° ♄ 59'22	-1°21'20	minimum elong	7013 Jan 23 10:33	4° ♄ 00'40	0°36'06
minimum elong	7012 Feb 13 15:29	24° ♄ 23'44	1°20'16	max. Earth dist.	7013 Jan 28 06:26	11° ♄ 42'06	1.44973 AU
max. Earth dist.	7012 Feb 15 10:45	27° ♄ 13'20	1.45440 AU	evening rise	7013 Feb 08 16:36	29° ♄ 28'37	
	7012 Feb 17 05:19	0° ♄			7013 Feb 09 00:46	0° ♄	
evening rise	7012 Mar 01 01:57	20° ♄ 06'57		greatest brilliancy	7013 Feb 23 10:49	21° ♄ 45'23	-0.6m
	7012 Mar 07 09:23	0° ♄			7013 Mar 01 06:50	0° ♄	
greatest brilliancy	7012 Mar 11 23:55	7° ♄ 08'26	-0.8m	evening max el	7013 Mar 07 12:12	7° ♄ 31'12	20°06'12
evening max el	7012 Mar 24 07:55	23° ♄ 55'02	19°11'15	asc. node	7013 Mar 12 00:08	11° ♄ 06'42	
asc. node	7012 Mar 25 03:03	24° ♄ 41'44		retrograde	7013 Mar 15 05:18	12° ♄ 00'09	

evening set	7013 Mar 19 00:48	10°Υ35'37		evening rise	7014 Jan 19 04:05	8°≈50'00	
inferior conj	7013 Mar 24 09:25	4°Υ32'46	3°10'45		7014 Feb 02 06:28	0°ϥ	
minimum elong	7013 Mar 24 07:43	4°Υ38'32	3°10'29	evening max el	7014 Feb 18 10:53	21°ϥ08'02	21°14'07
min. Earth dist.	7013 Mar 25 06:06	3°Υ22'51	0.67433 AU	asc. node	7014 Feb 26 21:11	26°ϥ16'13	
	7013 Mar 27 22:21	30°ϣϥ		retrograde	7014 Feb 27 03:33	26°ϥ16'35	
morning rise	7013 Mar 29 14:25	28°ϥ17'03		evening set	7014 Mar 03 08:43	24°ϥ37'00	
direct	7013 Apr 04 09:44	25°ϥ41'29		inferior conj	7014 Mar 08 16:20	18°ϥ22'33	2°46'16
	7013 Apr 13 05:32	0°Υ		minimum elong	7014 Mar 08 14:07	18°ϥ30'15	2°45'46
morning max el	7013 Apr 16 02:04	2°Υ40'53	24°52'35	min. Earth dist.	7014 Mar 08 23:54	17°ϥ56'16	0.68071 AU
desc. node	7013 Apr 16 08:26	2°Υ57'06		morning rise	7014 Mar 13 19:20	12°ϥ09'14	
	7013 May 06 20:41	0°ϣ		direct	7014 Mar 19 00:42	9°ϥ51'48	
morning set	7013 May 22 02:51	25°ϣ05'16		morning max el	7014 Mar 29 11:18	16°ϥ04'28	23°23'29
	7013 May 24 20:22	0°Π		desc. node	7014 Apr 03 05:26	21°ϥ22'06	
max. Earth dist.	7013 May 25 17:44	1°Π37'52	1.37015 AU		7014 Apr 09 22:08	0°Υ	
					7014 Apr 29 20:49	0°ϣ	
superior conj	7013 Jun 01 07:00	14°Π05'00	-1°03'24	morning set	7014 May 03 11:52	6°ϣ00'58	
minimum elong	7013 Jun 01 10:45	14°Π23'20	1°02'50	max. Earth dist.	7014 May 07 13:33	12°ϣ59'37	1.39206 AU
asc. node	7013 Jun 07 23:19	27°Π24'25					
	7013 Jun 09 06:14	0°ϣ		superior conj	7014 May 15 03:21	26°ϣ39'09	-1°32'48
evening rise	7013 Jun 09 17:18	0°ϣ55'28		minimum elong	7014 May 15 08:36	27°ϣ03'35	1°32'11
evening max el	7013 Jun 26 16:41	28°ϣ36'05	19°27'55		7014 May 16 22:14	0°Π	
	7013 Jun 28 05:42	0°Ω		evening rise	7014 May 24 12:42	14°Π36'11	
retrograde	7013 Jul 06 05:01	3°Ω16'56		asc. node	7014 May 25 20:21	17°Π08'45	
evening set	7013 Jul 08 02:15	3°Ω06'42			7014 Jun 01 20:42	0°ϣ	
desc. node	7013 Jul 13 07:42	1°Ω06'40		evening max el	7014 Jun 09 17:15	10°ϣ44'58	18°40'32
	7013 Jul 15 05:05	30°ϣϣ		retrograde	7014 Jun 17 18:20	14°ϣ43'49	
inferior conj	7013 Jul 16 18:40	29°ϣ00'27	-1°02'56	evening set	7014 Jun 19 20:34	14°ϣ28'36	
minimum elong	7013 Jul 16 15:50	29°ϣ05'01	1°01'54	inferior conj	7014 Jun 27 17:26	10°ϣ04'40	0°43'34
min. Earth dist.	7013 Jul 19 06:54	27°ϣ23'54	0.55700 AU	minimum elong	7014 Jun 27 19:02	10°ϣ01'39	0°42'55
morning rise	7013 Jul 25 02:51	24°ϣ25'10		desc. node	7014 Jun 30 04:44	8°ϣ13'11	
direct	7013 Jul 29 21:52	23°ϣ33'27		min. Earth dist.	7014 Jul 01 00:05	7°ϣ38'00	0.57356 AU
	7013 Aug 12 07:05	0°Ω		morning rise	7014 Jul 05 14:01	4°ϣ52'17	
morning max el	7013 Aug 12 22:56	0°Ω36'55	25°03'39	direct	7014 Jul 11 05:57	3°ϣ32'41	
	7013 Sep 02 04:49	0°ϣ		morning max el	7014 Jul 25 14:50	11°ϣ05'57	26°32'30
asc. node	7013 Sep 03 22:40	3°ϣ24'05			7014 Aug 09 05:08	0°Ω	
morning set	7013 Sep 08 06:40	12°ϣ19'50		asc. node	7014 Aug 21 19:40	23°Ω06'53	
				morning set	7014 Aug 23 17:04	27°Ω04'13	
superior conj	7013 Sep 15 04:07	27°ϣ20'56	1°32'49		7014 Aug 25 01:59	0°ϣ	
minimum elong	7013 Sep 15 02:22	27°ϣ11'16	1°32'38				
	7013 Sep 16 09:12	0°Ω		superior conj	7014 Aug 30 15:39	12°ϣ13'27	1°19'54
max. Earth dist.	7013 Sep 16 15:56	0°Ω36'43	1.32463 AU	minimum elong	7014 Aug 30 13:26	12°ϣ01'11	1°19'34
evening rise	7013 Sep 22 08:14	12°Ω40'46		max. Earth dist.	7014 Aug 31 01:03	13°ϣ05'31	1.31893 AU
	7013 Oct 01 08:46	0°ℳ		evening rise	7014 Sep 06 12:49	27°ϣ11'22	
desc. node	7013 Oct 09 06:51	13°ℳ04'58			7014 Sep 07 21:10	0°Ω	
	7013 Oct 22 04:17	0°ϣ			7014 Sep 24 19:03	0°ℳ	
evening max el	7013 Oct 25 02:46	2°ϣ58'24	27°27'03	desc. node	7014 Sep 26 03:52	1°ℳ58'24	
retrograde	7013 Nov 07 20:47	10°ϣ13'59		evening max el	7014 Oct 07 07:58	15°ℳ17'40	27°01'04
evening set	7013 Nov 15 00:07	7°ϣ45'29		retrograde	7014 Oct 21 05:23	22°ℳ28'29	
min. Earth dist.	7013 Nov 18 16:06	4°ϣ44'54	0.62743 AU	evening set	7014 Oct 28 05:15	20°ℳ19'53	
inferior conj	7013 Nov 21 11:54	2°ϣ02'27	-3°01'38	min. Earth dist.	7014 Oct 31 22:27	17°ℳ39'45	0.60733 AU
minimum elong	7013 Nov 21 17:26	1°ϣ49'09	2°59'35	inferior conj	7014 Nov 04 02:10	15°ℳ00'02	-4°06'24
	7013 Nov 23 16:43	30°ϣℳ		minimum elong	7014 Nov 04 09:01	14°ℳ45'32	4°04'27
morning rise	7013 Nov 28 12:40	26°ℳ53'09		morning rise	7014 Nov 11 15:01	10°ℳ11'11	
direct	7013 Nov 30 20:39	26°ℳ28'09		direct	7014 Nov 13 20:58	9°ℳ51'14	
asc. node	7013 Nov 30 22:00	26°ℳ28'09		asc. node	7014 Nov 17 19:01	10°ℳ54'44	
morning max el	7013 Dec 07 13:38	29°ℳ54'24	17°48'40	morning max el	7014 Nov 21 03:45	13°ℳ28'50	18°01'00
	7013 Dec 07 15:53	0°ϣ			7014 Dec 02 08:06	0°ϣ	
morning set	7013 Dec 23 14:34	24°ϣ43'44		morning set	7014 Dec 06 20:12	8°ϣ15'09	
	7013 Dec 26 14:22	0°ϣ					
superior conj	7014 Jan 04 04:53	14°ϣ47'01	0°07'35	superior conj	7014 Dec 16 20:38	26°ϣ30'14	0°44'45
minimum elong	7014 Jan 04 05:38	14°ϣ50'10	0°07'32	minimum elong	7014 Dec 16 23:54	26°ϣ44'41	0°44'20
behind sun begin	7014 Jan 03 21:31	14°ϣ16'11			7014 Dec 18 20:30	0°ϣ	
behind sun end	7014 Jan 04 13:44	15°ϣ24'05		desc. node	7014 Dec 23 03:04	7°ϣ18'27	
desc. node	7014 Jan 05 06:03	16°ϣ32'08		max. Earth dist.	7014 Dec 24 11:22	9°ϣ33'33	1.42119 AU
max. Earth dist.	7014 Jan 10 23:21	25°ϣ54'08	1.43822 AU	evening rise	7014 Dec 30 03:26	18°ϣ47'28	
	7014 Jan 13 12:50	0°≈			7015 Jan 06 08:14	0°≈	
					7015 Jan 27 21:07	0°ϥ	

evening max el	7015 Feb 01 04:35	4° H 46'58	22°30'55		7015 Dec 30 19:08	0° \approx	
retrograde	7015 Feb 11 00:03	10° H 36'35		evening max el	7016 Jan 14 19:03	18° \approx 29'36	23°51'00
asc. node	7015 Feb 13 18:13	9° H 57'34		retrograde	7016 Jan 25 17:21	24° \approx 55'46	
evening set	7015 Feb 15 16:14	8° H 41'54		evening set	7016 Jan 30 21:50	22° \approx 46'24	
inferior conj	7015 Feb 21 00:42	2° H 19'09	2°12'42	asc. node	7016 Jan 31 15:15	22° \approx 07'01	
minimum elong	7015 Feb 20 22:25	2° H 27'05	2°12'01	min. Earth dist.	7016 Feb 04 16:55	17° \approx 12'52	0.68128 AU
min. Earth dist.	7015 Feb 20 20:17	2° H 34'28	0.68293 AU	inferior conj	7016 Feb 05 08:40	16° \approx 19'17	1°30'56
	7015 Feb 22 17:27	30° R \approx		minimum elong	7016 Feb 05 06:46	16° \approx 25'43	1°30'17
morning rise	7015 Feb 26 04:27	26° \approx 09'41		morning rise	7016 Feb 10 15:41	10° \approx 15'18	
direct	7015 Mar 02 19:33	24° \approx 13'58		direct	7016 Feb 14 17:09	8° \approx 42'06	
morning max el	7015 Mar 11 23:33	29° \approx 35'45	21°55'37	morning max el	7016 Feb 22 18:10	13° \approx 17'47	20°36'24
	7015 Mar 12 09:06	0° H		desc. node	7016 Mar 06 23:25	0° H 13'40	
desc. node	7015 Mar 21 02:25	10° H 31'50			7016 Mar 06 19:37	0° H	
	7015 Apr 03 16:06	0° Y		morning set	7016 Mar 22 21:29	24° H 08'38	
morning set	7015 Apr 13 17:11	15° Y 38'30			7016 Mar 26 15:16	0° Y	
max. Earth dist.	7015 Apr 19 11:57	25° Y 06'11	1.41393 AU	max. Earth dist.	7016 Mar 31 17:34	8° Y 07'58	1.43298 AU
	7015 Apr 22 09:41	0° B					
superior conj	7015 Apr 27 05:06	8° B 19'57	-1°56'44	superior conj	7016 Apr 07 07:35	18° Y 56'53	-2°09'55
minimum elong	7015 Apr 27 10:16	8° B 42'42	1°56'22	minimum elong	7016 Apr 07 09:27	19° Y 04'43	2°09'54
evening rise	7015 May 07 20:35	27° B 41'02			7016 Apr 13 19:29	0° B	
	7015 May 09 02:38	0° II		evening rise	7016 Apr 19 12:33	9° B 59'27	
asc. node	7015 May 12 17:22	6° II 36'18		asc. node	7016 Apr 28 14:24	25° B 40'25	
evening max el	7015 May 24 01:34	23° II 27'59	18°13'31		7016 May 01 08:49	0° II	
retrograde	7015 May 31 02:20	27° II 00'03		evening max el	7016 May 06 13:53	6° II 34'26	18°06'01
evening set	7015 Jun 02 11:59	26° II 36'03		retrograde	7016 May 13 01:53	9° II 55'46	
inferior conj	7015 Jun 09 13:48	21° II 51'49	2°02'42	evening set	7016 May 15 18:46	9° II 20'25	
minimum elong	7015 Jun 09 17:00	21° II 44'47	2°01'42	inferior conj	7016 May 22 04:58	4° II 16'03	2°53'10
min. Earth dist.	7015 Jun 12 23:15	18° II 54'31	0.59475 AU	minimum elong	7016 May 22 07:41	4° II 09'11	2°52'33
morning rise	7015 Jun 16 19:01	16° II 09'37		min. Earth dist.	7016 May 25 06:08	1° II 12'47	0.61711 AU
desc. node	7015 Jun 17 01:44	16° II 00'03			7016 May 26 13:39	30° R B	
direct	7015 Jun 23 03:53	14° II 16'59		morning rise	7016 May 28 18:40	28° B 14'42	
morning max el	7015 Jul 07 12:48	22° II 08'32	27°31'56	desc. node	7016 Jun 02 22:46	26° B 00'17	
	7015 Jul 14 10:45	0° B		direct	7016 Jun 04 12:34	25° B 52'44	
	7015 Aug 02 05:17	0° Q			7016 Jun 14 08:06	0° II	
morning set	7015 Aug 08 00:27	11° Q 37'19		morning max el	7016 Jun 18 16:56	3° II 52'59	27°54'30
asc. node	7015 Aug 08 16:40	13° Q 02'31			7016 Jul 08 02:19	0° B	
max. Earth dist.	7015 Aug 14 11:36	25° Q 36'07	1.31771 AU	morning set	7016 Jul 22 02:56	25° B 53'05	
					7016 Jul 24 02:34	0° Q	
superior conj	7015 Aug 15 03:20	27° Q 03'08	1°02'10	asc. node	7016 Jul 25 13:41	3° Q 05'43	
minimum elong	7015 Aug 15 01:08	26° Q 50'56	1°01'45	max. Earth dist.	7016 Jul 27 19:53	7° Q 57'28	1.32091 AU
	7015 Aug 16 11:17	0° np					
evening rise	7015 Aug 21 21:47	11° np 52'21		superior conj	7016 Jul 29 13:24	11° Q 43'58	0°40'05
	7015 Aug 31 01:27	0° u		minimum elong	7016 Jul 29 11:42	11° Q 34'39	0°39'42
desc. node	7015 Sep 13 00:54	19° u 55'57		evening rise	7016 Aug 05 09:02	26° Q 37'07	
evening max el	7015 Sep 19 06:01	26° u 48'07	26°01'57		7016 Aug 06 23:21	0° np	
	7015 Sep 23 01:11	0° m			7016 Aug 24 06:35	0° u	
retrograde	7015 Oct 03 04:46	3° m 53'29		desc. node	7016 Aug 29 21:55	6° u 35'47	
evening set	7015 Oct 09 13:56	2° m 16'04		evening max el	7016 Aug 30 20:47	7° u 32'10	24°36'20
	7015 Oct 13 08:04	30° R u		retrograde	7016 Sep 13 16:44	14° u 29'37	
min. Earth dist.	7015 Oct 13 18:56	29° u 40'59	0.58652 AU	evening set	7016 Sep 18 22:12	13° u 28'40	
inferior conj	7015 Oct 16 23:07	27° u 21'10	-4°59'53	min. Earth dist.	7016 Sep 24 07:53	10° u 40'25	0.56752 AU
minimum elong	7015 Oct 17 05:03	27° u 10'14	4°58'51	inferior conj	7016 Sep 27 00:10	8° u 57'42	-5°27'32
morning rise	7015 Oct 24 22:28	22° u 54'48		minimum elong	7016 Sep 27 01:25	8° u 55'41	5°27'29
direct	7015 Oct 27 06:27	22° u 36'49		morning rise	7016 Oct 05 06:51	4° u 53'12	
morning max el	7015 Nov 04 11:24	26° u 34'55	18°33'32	direct	7016 Oct 07 21:32	4° u 34'27	
asc. node	7015 Nov 04 16:02	26° u 46'11		morning max el	7016 Oct 17 09:09	9° u 02'52	19°27'53
	7015 Nov 07 12:21	0° m		asc. node	7016 Oct 21 13:03	13° u 47'59	
morning set	7015 Nov 20 13:55	22° m 20'06			7016 Oct 31 05:12	0° m	
	7015 Nov 24 13:01	0° x		morning set	7016 Nov 03 15:53	6° m 47'51	
superior conj	7015 Nov 29 10:05	9° x 15'33	1°12'20	superior conj	7016 Nov 11 16:05	22° m 48'41	1°30'24
minimum elong	7015 Nov 29 13:36	9° x 31'56	1°11'58	minimum elong	7016 Nov 11 18:37	23° m 01'05	1°30'15
max. Earth dist.	7015 Dec 06 18:43	22° x 31'47	1.40075 AU		7016 Nov 15 09:38	0° x	
desc. node	7015 Dec 10 00:04	28° x 03'04		max. Earth dist.	7016 Nov 18 00:20	4° x 52'19	1.37933 AU
evening rise	7015 Dec 10 23:37	29° x 41'55		evening rise	7016 Nov 21 18:02	11° x 36'03	
	7015 Dec 11 03:57	0° B		desc. node	7016 Nov 25 21:05	18° x 42'21	
					7016 Dec 02 20:39	0° B	

	2016 Dec 25 03:20	0°♊				2017 Nov 07 10:09	0°♊	
evening max el	2016 Dec 27 08:14	2°♊16'01	25°07'47	desc. node		2017 Nov 12 18:07	9°♊11'13	
retrograde	2017 Jan 08 06:26	9°♊10'05				2017 Nov 26 11:09	0°♊	
evening set	2017 Jan 14 00:01	6°♊47'21		evening max el		2017 Dec 09 21:09	16°♊00'54	26°14'13
asc. node	2017 Jan 17 12:17	3°♊02'14		retrograde		2017 Dec 22 14:33	23°♊12'41	
min. Earth dist.	2017 Jan 18 11:29	1°♊48'21	0.67586 AU	evening set		2017 Dec 28 21:00	20°♊39'40	
inferior conj	2017 Jan 19 14:27	0°♊20'21	0°41'38	min. Earth dist.		2018 Jan 02 01:42	16°♊15'34	0.66671 AU
minimum elong	2017 Jan 19 13:27	0°♊23'38	0°41'17	inferior conj		2018 Jan 03 16:06	14°♊17'46	-0°14'34
	2017 Jan 19 20:41	30°♊3		minimum elong		2018 Jan 03 16:29	14°♊16'34	0°14'20
morning rise	2017 Jan 25 03:07	24°♊23'47		transit middle		2018 Jan 03 16:29	14°♊16'34	0°14'20
direct	2017 Jan 28 16:05	23°♊11'40		transit begin		2018 Jan 03 15:11	14°♊20'35	
morning max el	2017 Feb 04 20:54	27°♊12'17	19°30'35	transit end		2018 Jan 03 17:47	14°♊12'34	
	2017 Feb 07 10:21	0°♊		asc. node		2018 Jan 04 09:21	13°♊25'04	
greatest brilliancy	2017 Feb 17 19:00	14°♊13'34	-0.7m	morning rise		2018 Jan 09 12:37	8°♊30'49	
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	2017 Feb 28 04:27	0°♊		morning max el		2018 Jan 19 06:54	11°♊14'49	18°40'20
morning set	2017 Mar 01 19:00	2°♊28'27				2018 Feb 01 21:55	0°♊	
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				morning set		2018 Feb 09 09:59	11°♊46'26	
superior conj	2017 Mar 18 09:08	28°♊29'06	-2°06'23			2018 Feb 21 00:37	0°♊	
minimum elong	2017 Mar 18 04:29	28°♊10'29	2°06'13	max. Earth dist.		2018 Feb 25 00:42	6°♊16'14	1.45374 AU
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evening rise	2017 Apr 01 08:14	21°♊23'49		superior conj		2018 Feb 25 16:19	7°♊17'24	-1°42'49
	2017 Apr 06 11:25	0°♊		minimum elong		2018 Feb 25 06:53	6°♊40'27	1°41'57
asc. node	2017 Apr 15 11:26	14°♊13'57				2018 Mar 12 00:59	0°♊	
evening max el	2017 Apr 20 02:58	19°♊56'17	18°17'15	evening rise		2018 Mar 13 04:41	1°♊50'45	
retrograde	2017 Apr 26 12:32	23°♊21'26		greatest brilliancy		2018 Mar 20 23:25	14°♊17'25	-0.9m
evening set	2017 Apr 29 12:14	22°♊33'21				2018 Mar 31 14:03	0°♊	
inferior conj	2017 May 05 10:55	17°♊10'16	3°19'33	asc. node		2018 Apr 02 08:29	2°♊07'38	
minimum elong	2017 May 05 12:18	17°♊06'22	3°19'21	evening max el		2018 Apr 03 14:07	3°♊27'08	18°46'37
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morning rise	2017 May 11 11:17	10°♊58'29		evening set		2018 Apr 13 12:52	6°♊07'25	
direct	2017 May 18 05:58	8°♊17'15		inferior conj		2018 Apr 19 03:45	0°♊27'24	3°27'10
desc. node	2017 May 20 19:48	8°♊38'02		minimum elong		2018 Apr 19 03:42	0°♊27'34	3°27'08
morning max el	2017 Jun 01 01:36	16°♊17'30	27°39'36			2018 Apr 19 12:34	30°♊	
	2017 Jun 12 08:39	0°♊		min. Earth dist.		2018 Apr 20 23:37	28°♊11'51	0.65531 AU
	2017 Jun 30 20:24	0°♊		morning rise		2018 Apr 24 17:58	24°♊11'16	
morning set	2017 Jul 05 22:08	9°♊44'29		direct		2018 May 01 06:53	21°♊23'08	
max. Earth dist.	2017 Jul 10 22:01	19°♊57'55	1.32871 AU	desc. node		2018 May 07 16:51	23°♊32'06	
asc. node	2017 Jul 12 10:42	23°♊11'59		morning max el		2018 May 14 12:03	29°♊12'02	26°52'12
						2018 May 15 06:43	0°♊	
superior conj	2017 Jul 13 19:58	26°♊09'54	0°14'12			2018 Jun 06 05:17	0°♊	
minimum elong	2017 Jul 13 19:17	26°♊06'12	0°13'59	morning set		2018 Jun 19 07:02	23°♊03'28	
behind sun begin	2017 Jul 13 16:40	25°♊52'10				2018 Jun 22 20:24	0°♊	
behind sun end	2017 Jul 13 21:53	26°♊20'14		max. Earth dist.		2018 Jun 23 14:26	1°♊30'09	1.34128 AU
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evening rise	2017 Jul 20 20:42	11°♊19'15		superior conj		2018 Jun 27 20:54	10°♊15'07	-0°14'46
	2017 Jul 30 09:11	0°♊		minimum elong		2018 Jun 27 21:42	10°♊19'19	0°14'40
evening max el	2017 Aug 12 08:38	17°♊49'07	22°58'08	behind sun begin		2018 Jun 27 19:22	10°♊07'11	
desc. node	2017 Aug 16 18:59	21°♊28'05		behind sun end		2018 Jun 28 00:02	10°♊31'27	
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evening set	2017 Aug 29 09:22	23°♊58'13		evening rise		2018 Jul 05 06:53	25°♊53'09	
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inferior conj	2017 Sep 07 05:52	19°♊47'04	-5°11'13	evening max el		2018 Jul 25 02:20	28°♊14'39	21°23'46
minimum elong	2017 Sep 07 00:01	19°♊55'30	5°10'27			2018 Jul 27 00:44	0°♊	
morning rise	2017 Sep 15 16:50	15°♊57'17		desc. node		2018 Aug 03 16:02	4°♊00'06	
direct	2017 Sep 18 17:48	15°♊35'37		retrograde		2018 Aug 06 06:22	4°♊16'22	
morning max el	2017 Sep 29 18:33	20°♊44'23	20°44'23	evening set		2018 Aug 08 16:50	4°♊02'42	
	2017 Oct 07 07:11	0°♊		inferior conj		2018 Aug 17 23:41	0°♊04'01	-4°01'00
asc. node	2017 Oct 08 10:06	1°♊44'31		minimum elong		2018 Aug 17 14:23	0°♊17'03	3°58'27
morning set	2017 Oct 18 23:09	21°♊29'21		min. Earth dist.		2018 Aug 18 02:24	0°♊00'12	0.54730 AU
	2017 Oct 23 01:28	0°♊				2018 Aug 18 02:33	30°♊	
superior conj	2017 Oct 26 09:56	6°♊55'36	1°39'58	morning rise		2018 Aug 26 12:49	26°♊11'28	
minimum elong	2017 Oct 26 11:04	7°♊01'23	1°39'58	direct		2018 Aug 30 02:41	25°♊43'49	
max. Earth dist.	2017 Oct 31 08:36	16°♊48'53	1.35931 AU			2018 Sep 09 17:39	0°♊	
evening rise	2017 Nov 04 07:48	24°♊21'42		morning max el		2018 Sep 11 16:08	1°♊40'20	22°19'44
				asc. node		2018 Sep 25 07:09	20°♊22'58	

































































































































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morning set	2018 Oct 03 09:33	6°♄18'21		morning set	2019 Sep 17 21:13	21°♎09'03	
					2019 Sep 21 23:37	0°♄	
superior conj	2018 Oct 10 12:02	21°♄25'44	1°42'08				
minimum elong	2018 Oct 10 11:49	21°♄24'32	1°42'09	superior conj	2019 Sep 24 19:30	6°♄09'46	1°37'52
max. Earth dist.	2018 Oct 13 23:48	28°♄43'08	1.34251 AU	minimum elong	2019 Sep 24 18:12	6°♄02'40	1°37'48
	2018 Oct 14 14:49	0°♄		max. Earth dist.	2019 Sep 26 23:31	10°♄50'26	1.32986 AU
evening rise	2018 Oct 18 12:57	7°♄49'15		evening rise	2019 Oct 02 05:39	21°♄48'12	
desc. node	2018 Oct 30 15:08	29°♄24'19			2019 Oct 06 10:00	0°♄	
	2018 Oct 30 23:55	0°♄		desc. node	2019 Oct 17 12:11	19°♄14'32	
evening max el	2018 Nov 22 10:02	29°♄37'11	27°02'57		2019 Oct 24 20:18	0°♄	
	2018 Nov 22 19:39	0°♄		evening max el	2019 Nov 04 21:57	12°♄54'29	27°27'02
retrograde	2018 Dec 05 17:08	6°♄56'29		retrograde	2019 Nov 18 13:27	20°♄12'54	
evening set	2018 Dec 12 10:45	4°♄18'39		evening set	2019 Nov 25 14:39	17°♄38'22	
min. Earth dist.	2018 Dec 16 09:21	0°♄29'08	0.65398 AU	min. Earth dist.	2019 Nov 29 08:25	14°♄21'10	0.63789 AU
	2018 Dec 16 19:47	30°♄19'17		inferior conj	2019 Dec 01 22:00	11°♄43'20	-2°22'53
inferior conj	2018 Dec 18 11:27	28°♄07'17	-1°16'41	minimum elong	2019 Dec 02 02:22	11°♄32'07	2°21'07
minimum elong	2018 Dec 18 13:42	28°♄00'56	1°15'39	morning rise	2019 Dec 08 15:45	6°♄23'33	
asc. node	2018 Dec 22 06:26	24°♄13'02		asc. node	2019 Dec 09 03:29	6°♄13'05	
morning rise	2018 Dec 24 17:49	22°♄32'29		direct	2019 Dec 11 02:12	5°♄54'18	
direct	2018 Dec 27 10:54	21°♄52'51		morning max el	2019 Dec 17 15:03	9°♄18'27	17°50'02
morning max el	2019 Jan 02 21:54	25°♄19'14	18°06'35		2019 Dec 31 12:44	0°♄	
	2019 Jan 06 20:49	0°♄		morning set	2020 Jan 03 05:43	4°♄38'40	
morning set	2019 Jan 21 06:07	22°♄32'17		desc. node	2020 Jan 13 11:25	21°♄56'36	
	2019 Jan 25 19:55	0°♄					
desc. node	2019 Jan 26 14:26	1°♄15'03		superior conj	2020 Jan 15 21:58	25°♄56'55	-0°17'25
				minimum elong	2020 Jan 15 20:02	25°♄49'02	0°17'04
superior conj	2019 Feb 04 22:25	16°♄10'11	-1°03'02		2020 Jan 18 09:53	0°♄	
minimum elong	2019 Feb 04 14:58	15°♄40'46	1°02'02	max. Earth dist.	2020 Jan 21 14:27	5°♄06'33	1.44560 AU
max. Earth dist.	2019 Feb 07 20:01	20°♄44'07	1.45328 AU	evening rise	2020 Jan 31 15:01	20°♄45'23	
	2019 Feb 13 18:19	0°♄			2020 Feb 06 16:40	0°♄	
evening rise	2019 Feb 21 03:39	11°♄28'28			2020 Feb 28 08:20	0°♄	
	2019 Mar 05 04:55	0°♄		evening max el	2020 Feb 28 23:15	0°♄38'53	20°33'47
greatest brilliancy	2019 Mar 06 00:50	1°♄14'48	-0.7m	asc. node	2020 Mar 06 02:37	5°♄03'51	
evening max el	2019 Mar 17 21:17	17°♄01'56	19°32'52	retrograde	2020 Mar 08 01:55	5°♄24'04	
asc. node	2019 Mar 20 05:33	19°♄08'56		evening set	2020 Mar 12 01:18	3°♄53'22	
retrograde	2019 Mar 25 03:30	21°♄11'24			2020 Mar 15 17:12	30°♄11'24	
evening set	2019 Mar 28 17:55	19°♄55'33		inferior conj	2020 Mar 17 09:16	27°♄45'27	3°01'33
inferior conj	2019 Apr 03 04:06	14°♄00'33	3°20'12	minimum elong	2020 Mar 17 07:18	27°♄52'14	3°01'11
minimum elong	2019 Apr 03 02:53	14°♄04'33	3°20'04	min. Earth dist.	2020 Mar 18 00:19	26°♄53'55	0.67759 AU
min. Earth dist.	2019 Apr 04 08:59	12°♄25'19	0.66863 AU	morning rise	2020 Mar 22 13:04	21°♄30'32	
morning rise	2019 Apr 08 11:31	7°♄43'50		direct	2020 Mar 28 02:41	19°♄01'41	
direct	2019 Apr 14 14:07	5°♄00'41		morning max el	2020 Apr 08 06:36	25°♄42'22	24°14'59
desc. node	2019 Apr 24 13:52	10°♄09'04		desc. node	2020 Apr 10 10:51	28°♄00'58	
morning max el	2019 Apr 26 21:50	12°♄23'04	25°40'38		2020 Apr 12 04:39	0°♄	
	2019 May 11 01:35	0°♄			2020 May 03 14:20	0°♄	
	2019 May 29 22:13	0°♄		morning set	2020 May 14 00:21	17°♄13'36	
morning set	2019 Jun 02 01:30	5°♄37'46		max. Earth dist.	2020 May 17 16:24	23°♄42'28	1.37933 AU
max. Earth dist.	2019 Jun 05 19:28	12°♄36'53	1.35848 AU		2020 May 21 03:03	0°♄	
superior conj	2019 Jun 11 13:27	23°♄51'47	-0°45'34	superior conj	2020 May 24 18:22	6°♄51'51	-1°16'17
minimum elong	2019 Jun 11 16:06	24°♄05'05	0°45'09	minimum elong	2020 May 24 22:51	7°♄13'20	1°15'39
	2019 Jun 14 14:06	0°♄		asc. node	2020 Jun 02 01:46	23°♄09'31	
asc. node	2019 Jun 16 04:44	3°♄18'00		evening rise	2020 Jun 02 13:40	24°♄08'22	
evening rise	2019 Jun 19 13:22	10°♄11'39			2020 Jun 05 13:33	0°♄	
	2019 Jun 30 04:13	0°♄		evening max el	2020 Jun 19 02:45	21°♄01'49	19°05'14
evening max el	2019 Jul 07 08:12	9°♄16'09	20°04'34	retrograde	2020 Jun 27 22:38	25°♄22'31	
retrograde	2019 Jul 17 20:17	14°♄25'58		evening set	2020 Jun 29 21:35	25°♄10'37	
evening set	2019 Jul 19 17:52	14°♄16'35		desc. node	2020 Jul 07 10:07	21°♄31'28	
desc. node	2019 Jul 21 13:06	13°♄51'23		inferior conj	2020 Jul 08 05:59	20°♄57'43	-0°14'57
inferior conj	2019 Jul 28 19:17	10°♄17'32	-2°11'08	minimum elong	2020 Jul 08 05:20	20°♄58'48	0°14'47
minimum elong	2019 Jul 28 13:14	10°♄26'36	2°08'57	transit middle	2020 Jul 08 05:20	20°♄58'48	0°14'47
min. Earth dist.	2019 Jul 30 13:50	9°♄13'56	0.55080 AU	transit begin	2020 Jul 08 03:52	21°♄01'20	
morning rise	2019 Aug 06 07:02	6°♄01'41		transit end	2020 Jul 08 06:49	20°♄56'16	
direct	2019 Aug 10 14:23	5°♄21'15		min. Earth dist.	2020 Jul 11 04:17	18°♄58'02	0.56334 AU
morning max el	2019 Aug 24 06:13	12°♄03'37	24°04'40	morning rise	2020 Jul 16 09:57	16°♄06'35	
	2019 Sep 06 21:06	0°♄		direct	2020 Jul 21 14:23	15°♄03'48	

morning max el	2020 Aug 04 19:30	22°☿21'09	25°44'13	direct	2021 Jul 03 04:19	25°♊20'45	
	2020 Aug 11 14:08	0°♊			2021 Jul 14 03:33	0°☿	
asc. node	2020 Aug 29 01:08	29°♊04'44		morning max el	2021 Jul 17 13:41	3°☿02'04	27°02'06
	2020 Aug 29 12:01	0°♊			2021 Aug 06 02:05	0°♊	
morning set	2020 Sep 01 08:31	5°♊56'51		asc. node	2021 Aug 15 22:07	18°♊53'43	
				morning set	2021 Aug 16 17:52	20°♊37'16	
superior conj	2020 Sep 08 06:05	21°♊00'42	1°27'56		2021 Aug 21 02:05	0°♊	
minimum elong	2020 Sep 08 04:05	20°♊49'38	1°27'42				
max. Earth dist.	2020 Sep 09 06:11	23°♊13'24	1.32168 AU	superior conj	2021 Aug 23 17:54	5°♊52'43	1°12'56
	2020 Sep 12 08:52	0°♊		minimum elong	2021 Aug 23 15:37	5°♊40'08	1°12'34
evening rise	2020 Sep 15 06:42	6°♊09'33		max. Earth dist.	2021 Aug 23 16:37	5°♊45'37	1.31790 AU
	2020 Sep 27 23:21	0°♊		evening rise	2021 Aug 30 13:27	20°♊45'41	
desc. node	2020 Oct 03 09:13	8°♊32'07			2021 Sep 04 01:33	0°♊	
evening max el	2020 Oct 17 06:35	25°♊39'01	27°20'20	desc. node	2021 Sep 20 06:15	27°♊04'14	
	2020 Oct 22 17:00	0°♊			2021 Sep 22 11:53	0°♊	
retrograde	2020 Oct 31 02:21	2°♊52'06		evening max el	2021 Sep 29 09:07	7°♊38'36	26°39'48
evening set	2020 Nov 07 05:16	0°♊31'03		retrograde	2021 Oct 13 06:55	14°♊46'23	
	2020 Nov 07 23:31	30°♊		evening set	2021 Oct 20 02:18	12°♊49'50	
min. Earth dist.	2020 Nov 10 21:05	27°♊40'23	0.61902 AU	min. Earth dist.	2021 Oct 23 22:52	10°♊14'13	0.59846 AU
inferior conj	2020 Nov 13 20:39	24°♊57'32	-3°29'51	inferior conj	2021 Oct 27 04:00	7°♊40'57	-4°31'12
minimum elong	2020 Nov 14 02:55	24°♊43'15	3°27'44	minimum elong	2021 Oct 27 10:50	7°♊27'18	4°29'32
morning rise	2020 Nov 21 02:35	19°♊56'13		morning rise	2021 Nov 03 21:36	3°♊01'27	
direct	2020 Nov 23 09:18	19°♊33'42		direct	2021 Nov 06 04:04	2°♊42'32	
asc. node	2020 Nov 25 00:31	19°♊45'39		asc. node	2021 Nov 11 21:30	4°♊49'57	
morning max el	2020 Nov 30 07:09	23°♊03'54	17°51'33	morning max el	2021 Nov 13 18:57	6°♊27'22	18°12'20
	2020 Dec 05 18:00	0°♊			2021 Nov 28 18:03	0°♊	
morning set	2020 Dec 16 02:13	17°♊44'35		morning set	2021 Nov 29 13:34	1°♊32'03	
	2020 Dec 22 22:52	0°♊					
superior conj	2020 Dec 26 23:09	6°♊57'56	0°24'26	superior conj	2021 Dec 09 00:49	19°♊09'32	0°57'38
minimum elong	2020 Dec 27 01:19	7°♊07'11	0°24'11	minimum elong	2021 Dec 09 04:25	19°♊25'45	0°57'13
desc. node	2020 Dec 30 08:25	12°♊41'56			2021 Dec 15 04:32	0°♊	
max. Earth dist.	2021 Jan 03 05:45	19°♊07'27	1.43157 AU	max. Earth dist.	2021 Dec 16 16:13	2°♊32'02	1.41280 AU
evening rise	2021 Jan 10 06:03	0°♊18'53		desc. node	2021 Dec 17 05:26	3°♊27'50	
	2021 Jan 10 01:13	0°♊		evening rise	2021 Dec 21 13:42	10°♊39'07	
	2021 Jan 30 07:25	0°♊			2022 Jan 03 01:30	0°♊	
evening max el	2021 Feb 10 19:49	14°♊16'59	21°46'00	evening max el	2022 Jan 24 11:55	27°♊57'11	23°04'50
retrograde	2021 Feb 19 23:27	19°♊42'28			2022 Jan 26 16:03	0°♊	
asc. node	2021 Feb 20 23:41	19°♊37'10		retrograde	2022 Feb 03 18:44	4°♊02'49	
evening set	2021 Feb 24 09:13	17°♊56'26		asc. node	2022 Feb 07 20:43	2°♊38'58	
inferior conj	2021 Mar 01 17:01	11°♊38'15	2°33'04	evening set	2022 Feb 08 16:09	2°♊01'31	
minimum elong	2021 Mar 01 14:43	11°♊46'16	2°32'28		2022 Feb 10 16:37	30°♊	
min. Earth dist.	2021 Mar 01 19:24	11°♊29'59	0.68225 AU	min. Earth dist.	2022 Feb 13 16:04	26°♊08'43	0.68277 AU
morning rise	2021 Mar 06 20:03	5°♊26'35		inferior conj	2022 Feb 14 01:26	25°♊36'23	1°55'56
direct	2021 Mar 11 19:26	3°♊18'02		minimum elong	2022 Feb 13 23:16	25°♊43'54	1°55'14
morning max el	2021 Mar 21 16:32	9°♊08'13	22°45'23	morning rise	2022 Feb 19 06:19	19°♊29'18	
desc. node	2021 Mar 28 07:50	16°♊46'27		direct	2022 Feb 23 15:29	17°♊43'23	
	2021 Apr 07 00:49	0°♊		morning max el	2022 Mar 04 07:18	22°♊44'07	21°20'32
morning set	2021 Apr 24 21:52	27°♊36'00			2022 Mar 10 13:49	0°♊	
	2021 Apr 26 08:36	0°♊		desc. node	2022 Mar 15 04:50	6°♊10'49	
max. Earth dist.	2021 Apr 29 12:48	5°♊21'37	1.40163 AU		2022 Mar 31 08:40	0°♊	
				morning set	2022 Apr 04 15:30	6°♊41'17	
superior conj	2021 May 07 07:24	19°♊04'38	-1°43'54	max. Earth dist.	2022 Apr 11 14:35	17°♊53'49	1.42259 AU
minimum elong	2021 May 07 12:54	19°♊29'38	1°43'21				
	2021 May 13 04:41	0°♊		superior conj	2022 Apr 18 23:44	0°♊18'52	-2°04'00
evening rise	2021 May 17 04:37	7°♊34'47		minimum elong	2022 Apr 19 03:59	0°♊37'09	2°03'48
asc. node	2021 May 19 22:48	12°♊47'16			2022 Apr 18 19:21	0°♊	
	2021 May 30 07:17	0°♊		evening rise	2022 Apr 30 06:20	20°♊21'15	
evening max el	2021 Jun 02 07:04	3°♊26'11	18°26'33		2022 May 05 15:05	0°♊	
retrograde	2021 Jun 09 20:12	7°♊11'35		asc. node	2022 May 06 19:50	2°♊05'37	
evening set	2021 Jun 12 01:39	6°♊52'53		evening max el	2022 May 16 17:27	16°♊19'43	18°07'54
inferior conj	2021 Jun 19 14:02	2°♊20'03	1°20'50	retrograde	2022 May 23 11:34	19°♊45'43	
minimum elong	2021 Jun 19 16:39	2°♊14'47	1°19'54	evening set	2022 May 26 00:16	19°♊17'11	
	2021 Jun 22 11:55	30°♊		inferior conj	2022 Jun 01 18:55	14°♊24'00	2°27'25
min. Earth dist.	2021 Jun 22 23:28	29°♊37'48	0.58226 AU	minimum elong	2022 Jun 01 22:05	14°♊16'35	2°26'33
desc. node	2021 Jun 24 07:07	28°♊39'49		min. Earth dist.	2022 Jun 05 01:43	11°♊21'13	0.60426 AU
morning rise	2021 Jun 27 04:22	26°♊54'02		morning rise	2022 Jun 08 17:21	8°♊32'07	
				desc. node	2022 Jun 11 04:10	7°♊15'41	

direct	7022 Jun 15 06:50	6° Π 26'23		morning max el	7023 Jun 11 21:16	26° \mathcal{B} 26'24	27°52'30
morning max el	7022 Jun 29 14:42	14° Π 22'55	27°46'22		7023 Jun 15 04:56	0° Π	
	7022 Jul 12 04:25	0° \mathcal{E}			7023 Jul 05 18:48	0° \mathcal{E}	
	7022 Jul 29 11:50	0° Ω		morning set	7023 Jul 15 23:10	19° \mathcal{E} 10'33	
morning set	7022 Jul 31 23:26	5° Ω 03'51		asc. node	7023 Jul 20 16:09	28° \mathcal{E} 58'11	
asc. node	7022 Aug 02 19:07	8° Ω 53'01			7023 Jul 21 03:43	0° Ω	
max. Earth dist.	7022 Aug 07 02:49	18° Ω 14'18	1.31849 AU	max. Earth dist.	7023 Jul 21 08:51	0° Ω 27'30	1.32363 AU
superior conj	7022 Aug 08 05:06	20° Ω 39'04	0°53'18	superior conj	7023 Jul 23 13:57	5° Ω 14'28	0°29'33
minimum elong	7022 Aug 08 03:03	20° Ω 27'45	0°52'53	minimum elong	7023 Jul 23 12:37	5° Ω 07'13	0°29'13
	7022 Aug 12 10:52	0° \mathcal{N}		evening rise	7023 Jul 30 11:17	20° Ω 12'57	
evening rise	7022 Aug 14 23:36	5° \mathcal{N} 28'45			7023 Aug 04 04:53	0° \mathcal{N}	
	7022 Aug 27 19:43	0° \mathcal{A}		evening max el	7023 Aug 23 16:06	29° \mathcal{N} 15'16	23°55'03
desc. node	7022 Sep 07 03:18	14° \mathcal{A} 31'48			7023 Aug 24 11:07	0° \mathcal{A}	
evening max el	7022 Sep 11 03:35	18° \mathcal{A} 46'58	25°28'01	desc. node	7023 Aug 25 00:21	0° \mathcal{A} 29'45	
retrograde	7022 Sep 25 01:45	25° \mathcal{A} 50'09		retrograde	7023 Sep 06 08:51	6° \mathcal{A} 07'35	
evening set	7022 Oct 01 00:53	24° \mathcal{A} 27'43		evening set	7023 Sep 10 23:01	5° \mathcal{A} 21'14	
min. Earth dist.	7022 Oct 05 15:29	21° \mathcal{A} 49'33	0.57804 AU	min. Earth dist.	7023 Sep 17 02:36	2° \mathcal{A} 21'46	0.56072 AU
inferior conj	7022 Oct 08 16:38	19° \mathcal{A} 43'15	-5°15'51	inferior conj	7023 Sep 19 09:02	0° \mathcal{A} 58'54	-5°26'59
minimum elong	7022 Oct 08 21:05	19° \mathcal{A} 35'33	5°15'19	minimum elong	7023 Sep 19 07:17	1° \mathcal{A} 01'35	5°26'54
morning rise	7022 Oct 16 19:36	15° \mathcal{A} 26'58			7023 Sep 21 00:10	30° \mathcal{R} \mathcal{N}	
direct	7022 Oct 19 05:53	15° \mathcal{A} 09'01		morning rise	7023 Sep 27 17:52	27° \mathcal{N} 02'03	
morning max el	7022 Oct 27 22:51	19° \mathcal{A} 18'22	18°54'01	direct	7023 Sep 30 12:19	26° \mathcal{N} 42'30	
asc. node	7022 Oct 29 18:31	21° \mathcal{A} 12'55			7023 Oct 08 23:04	0° \mathcal{A}	
	7022 Nov 04 23:00	0° \mathcal{M}		morning max el	7023 Oct 10 15:36	1° \mathcal{A} 27'20	19°57'47
morning set	7022 Nov 13 11:10	15° \mathcal{M} 47'16		asc. node	7023 Oct 16 15:33	8° \mathcal{A} 39'25	
	7022 Nov 20 17:22	0° \mathcal{X}			7023 Oct 28 11:30	0° \mathcal{M}	
superior conj	7022 Nov 21 21:57	2° \mathcal{X} 16'49	1°21'06	morning set	7023 Oct 28 15:39	0° \mathcal{M} 21'01	
minimum elong	7022 Nov 22 01:08	2° \mathcal{X} 32'01	1°20'49	superior conj	7023 Nov 05 09:27	16° \mathcal{M} 05'19	1°35'26
max. Earth dist.	7022 Nov 28 22:06	15° \mathcal{X} 11'50	1.39156 AU	minimum elong	7023 Nov 05 11:25	16° \mathcal{M} 15'05	1°35'21
evening rise	7022 Dec 02 19:25	21° \mathcal{X} 58'36		max. Earth dist.	7023 Nov 11 03:40	27° \mathcal{M} 16'55	1.37048 AU
desc. node	7022 Dec 04 02:28	24° \mathcal{X} 10'22			7023 Nov 12 14:34	0° \mathcal{X}	
	7022 Dec 07 14:54	0° \mathcal{Z}		evening rise	7023 Nov 14 22:30	4° \mathcal{X} 15'30	
	7022 Dec 28 01:00	0° \approx		desc. node	7023 Nov 20 23:29	14° \mathcal{X} 45'29	
evening max el	7023 Jan 07 01:26	11° \approx 40'41	24°24'27		7023 Nov 30 14:39	0° \mathcal{Z}	
retrograde	7023 Jan 18 10:32	18° \approx 20'41		evening max el	7023 Dec 20 14:21	25° \mathcal{Z} 26'39	25°37'53
evening set	7023 Jan 23 20:33	16° \approx 05'10			7023 Dec 26 01:25	0° \approx	
asc. node	7023 Jan 25 17:46	14° \approx 13'23		retrograde	7024 Jan 01 21:45	2° \approx 30'16	
min. Earth dist.	7023 Jan 28 12:08	10° \approx 46'18	0.67937 AU	evening set	7024 Jan 07 20:45	0° \approx 02'48	
inferior conj	7023 Jan 29 08:44	9° \approx 37'15	1°10'55		7024 Jan 07 22:04	30° \mathcal{R} \mathcal{Z}	
minimum elong	7023 Jan 29 07:09	9° \approx 42'33	1°10'21	min. Earth dist.	7024 Jan 12 05:15	25° \mathcal{Z} 18'22	0.67230 AU
morning rise	7023 Feb 03 17:53	3° \approx 36'14		asc. node	7024 Jan 12 14:50	24° \mathcal{Z} 47'57	
direct	7023 Feb 07 13:44	2° \approx 12'31		inferior conj	7024 Jan 13 13:00	23° \mathcal{Z} 37'05	0°18'34
morning max el	7023 Feb 15 05:29	6° \approx 32'10	20°06'39	minimum elong	7024 Jan 13 12:32	23° \mathcal{Z} 38'35	0°18'27
desc. node	7023 Mar 02 01:51	26° \approx 03'37		morning rise	7024 Jan 19 04:44	17° \mathcal{Z} 44'06	
	7023 Mar 04 17:33	0° \mathcal{H}		direct	7024 Jan 22 12:47	16° \mathcal{Z} 40'09	
morning set	7023 Mar 14 14:01	14° \mathcal{H} 58'53		morning max el	7024 Jan 29 11:26	20° \mathcal{Z} 30'08	19°07'12
	7023 Mar 24 04:04	0° \mathcal{Y}			7024 Feb 06 02:28	0° \approx	
max. Earth dist.	7023 Mar 24 23:24	1° \mathcal{Y} 17'09	1.43954 AU	greatest brilliancy	7024 Feb 12 03:17	8° \approx 54'05	-0.7m
superior conj	7023 Mar 30 15:34	10° \mathcal{Y} 27'55	-2°10'46	desc. node	7024 Feb 16 22:50	16° \approx 16'32	
minimum elong	7023 Mar 30 14:55	10° \mathcal{Y} 25'15	2°10'48	morning set	7024 Feb 21 16:19	23° \approx 35'38	
	7023 Apr 11 06:12	0° \mathcal{B}			7024 Feb 25 19:15	0° \mathcal{H}	
evening rise	7023 Apr 12 14:19	2° \mathcal{B} 18'20		max. Earth dist.	7024 Mar 06 14:26	15° \mathcal{H} 19'15	1.45058 AU
asc. node	7023 Apr 23 16:53	20° \mathcal{B} 58'19		superior conj	7024 Mar 09 07:52	19° \mathcal{H} 37'18	-1°58'50
evening max el	7023 Apr 30 06:29	29° \mathcal{B} 34'06	18°08'31	minimum elong	7024 Mar 09 00:32	19° \mathcal{H} 08'19	1°58'23
	7023 Apr 30 17:14	0° Π			7024 Mar 15 20:04	0° \mathcal{Y}	
retrograde	7023 May 06 16:28	2° Π 55'37		evening rise	7024 Mar 24 00:15	13° \mathcal{Y} 17'36	
evening set	7023 May 09 12:08	2° Π 15'10			7024 Apr 03 06:12	0° \mathcal{B}	
	7023 May 12 17:49	30° \mathcal{R} \mathcal{B}		asc. node	7024 Apr 09 13:58	9° \mathcal{B} 16'22	
inferior conj	7023 May 15 16:59	27° \mathcal{B} 02'49	3°06'55	evening max el	7024 Apr 12 19:07	13° \mathcal{B} 00'44	18°27'38
minimum elong	7023 May 15 19:11	26° \mathcal{B} 56'59	3°06'31	retrograde	7024 Apr 19 06:25	16° \mathcal{B} 31'20	
min. Earth dist.	7023 May 18 12:44	24° \mathcal{B} 03'43	0.62623 AU	evening set	7024 Apr 22 09:01	15° \mathcal{B} 37'38	
morning rise	7023 May 22 00:37	20° \mathcal{B} 55'50		inferior conj	7024 Apr 28 04:01	10° \mathcal{B} 07'26	3°24'44
direct	7023 May 28 19:45	18° \mathcal{B} 23'58		minimum elong	7024 Apr 28 04:46	10° \mathcal{B} 05'13	3°24'39
desc. node	7023 May 29 01:13	18° \mathcal{B} 24'08		min. Earth dist.	7024 Apr 30 08:55	7° \mathcal{B} 32'01	0.64581 AU

morning rise	7024 May 03 23:40	3°♄53'20		minimum elong	7025 Apr 11 23:47	23°♄33'27	3°25'42
direct	7024 May 10 16:45	1°♄07'17		min. Earth dist.	7025 Apr 13 13:44	21°♄32'40	0.66158 AU
desc. node	7024 May 14 22:15	2°♄03'31		morning rise	7025 Apr 17 11:20	17°♄15'07	
morning max el	7024 May 24 06:48	9°♄04'23	27°22'50	direct	7025 Apr 23 20:25	14°♄27'51	
	7024 Jun 09 14:14	0°♄		desc. node	7025 May 01 19:16	17°♄44'58	
	7024 Jun 27 03:30	0°♄		morning max el	7025 May 06 16:59	22°♄06'29	26°24'07
morning set	7024 Jun 28 14:24	2°♄49'08			7025 May 13 14:42	0°♄	
max. Earth dist.	7024 Jul 03 06:55	12°♄14'56	1.33348 AU		7025 Jun 02 20:15	0°♄	
				morning set	7025 Jun 11 17:43	15°♄50'17	
superior conj	7024 Jul 06 18:26	19°♄32'28	0°02'15	max. Earth dist.	7025 Jun 15 18:30	23°♄34'54	1.34813 AU
minimum elong	7024 Jul 06 18:19	19°♄31'52	0°02'09		7025 Jun 18 23:41	0°♄	
behind sun begin	7024 Jul 06 12:52	19°♄02'57					
behind sun end	7024 Jul 06 23:46	20°♄00'51		superior conj	7025 Jun 20 16:10	3°♄26'35	-0°27'41
asc. node	7024 Jul 06 13:11	19°♄04'38		minimum elong	7025 Jun 20 17:44	3°♄34'35	0°27'27
	7024 Jul 11 15:41	0°♄		asc. node	7025 Jun 23 10:12	9°♄08'34	
evening rise	7024 Jul 13 22:33	4°♄52'05		evening rise	7025 Jun 28 07:26	19°♄20'23	
	7024 Jul 27 12:40	0°♄			7025 Jul 03 14:59	0°♄	
evening max el	7024 Aug 04 05:35	9°♄32'15	22°16'43	evening max el	7025 Jul 17 04:04	20°♄10'53	20°47'45
desc. node	7024 Aug 10 21:24	14°♄26'20		retrograde	7025 Jul 28 15:34	25°♄50'55	
retrograde	7024 Aug 17 03:25	15°♄57'20		desc. node	7025 Jul 28 18:28	25°♄50'53	
evening set	7024 Aug 20 05:42	15°♄36'12		evening set	7025 Jul 30 18:35	25°♄40'03	
min. Earth dist.	7024 Aug 28 11:43	12°♄01'06	0.54973 AU	inferior conj	7025 Aug 09 01:02	21°♄43'05	-3°17'26
inferior conj	7024 Aug 29 08:22	11°♄32'01	-4°47'50	minimum elong	7025 Aug 08 16:26	21°♄55'18	3°14'40
minimum elong	7024 Aug 29 00:14	11°♄43'29	4°46'15	min. Earth dist.	7025 Aug 09 21:26	21°♄14'02	0.54763 AU
morning rise	7024 Sep 06 20:26	7°♄43'15		morning rise	7025 Aug 17 14:15	17°♄43'18	
direct	7024 Sep 10 02:39	7°♄19'23		direct	7025 Aug 21 11:12	17°♄11'11	
morning max el	7024 Sep 21 19:36	12°♄48'31	21°22'58	morning max el	7025 Sep 03 13:04	23°♄27'19	23°04'00
asc. node	7024 Oct 02 12:35	26°♄55'17			7025 Sep 09 09:39	0°♄	
	7024 Oct 04 07:13	0°♄		asc. node	7025 Sep 19 09:35	15°♄48'06	
morning set	7024 Oct 12 00:30	15°♄06'33		morning set	7025 Sep 26 11:40	29°♄57'11	
					7025 Sep 26 12:12	0°♄	
superior conj	7024 Oct 19 07:13	0°♄23'18	1°41'43				
minimum elong	7024 Oct 19 07:45	0°♄26'04	1°41'45	superior conj	7025 Oct 03 11:53	15°♄00'14	1°41'03
	7024 Oct 19 02:44	0°♄		minimum elong	7025 Oct 03 11:10	14°♄56'21	1°41'03
max. Earth dist.	7024 Oct 23 14:39	9°♄10'48	1.35172 AU	max. Earth dist.	7025 Oct 06 09:50	21°♄11'12	1.33662 AU
evening rise	7024 Oct 27 19:21	17°♄20'50			7025 Oct 10 17:11	0°♄	
	7024 Nov 03 19:18	0°♄		evening rise	7025 Oct 11 05:51	1°♄02'57	
desc. node	7024 Nov 06 20:30	5°♄08'38		desc. node	7025 Oct 24 17:31	25°♄13'10	
	7024 Nov 23 22:26	0°♄			7025 Oct 27 18:43	0°♄	
evening max el	7024 Dec 02 03:34	9°♄10'08	26°37'41	evening max el	7025 Nov 14 16:20	22°♄40'06	27°16'35
retrograde	7024 Dec 15 03:31	16°♄25'47		retrograde	7025 Nov 28 03:13	29°♄58'58	
evening set	7024 Dec 21 14:55	13°♄50'16		evening set	7025 Dec 05 00:46	27°♄21'29	
min. Earth dist.	7024 Dec 25 17:04	9°♄40'45	0.66169 AU	min. Earth dist.	7025 Dec 08 21:10	23°♄46'16	0.64758 AU
inferior conj	7024 Dec 27 12:17	7°♄32'14	-0°40'15	inferior conj	7025 Dec 11 04:12	21°♄16'42	-1°44'22
minimum elong	7024 Dec 27 13:25	7°♄28'53	0°39'41	minimum elong	7025 Dec 11 07:20	21°♄08'11	1°43'01
asc. node	7024 Dec 29 11:53	5°♄14'57		asc. node	7025 Dec 16 08:56	16°♄29'08	
morning rise	7025 Jan 02 12:44	1°♄49'48		morning rise	7025 Dec 17 15:16	15°♄47'53	
direct	7025 Jan 05 10:46	1°♄02'16		direct	7025 Dec 20 05:20	15°♄13'00	
morning max el	7025 Jan 11 23:48	4°♄34'04	18°23'54	morning max el	7025 Dec 26 16:03	18°♄36'58	17°57'25
	7025 Jan 29 14:38	0°♄			7026 Jan 04 02:54	0°♄	
morning set	7025 Jan 31 19:18	3°♄30'31		morning set	7026 Jan 13 03:46	14°♄52'48	
desc. node	7025 Feb 02 19:50	6°♄44'13		desc. node	7026 Jan 20 16:48	27°♄21'35	
					7026 Jan 22 07:41	0°♄	
superior conj	7025 Feb 16 12:03	28°♄20'31	-1°27'24				
minimum elong	7025 Feb 16 02:39	27°♄43'39	1°26'21	superior conj	7026 Jan 26 23:40	7°♄30'52	-0°43'43
max. Earth dist.	7025 Feb 17 09:32	29°♄44'38	1.45450 AU	minimum elong	7026 Jan 26 18:30	7°♄10'11	0°42'57
	7025 Feb 17 13:27	0°♄		max. Earth dist.	7026 Jan 31 05:16	14°♄13'47	1.45090 AU
evening rise	7025 Mar 04 10:53	23°♄21'20			7026 Feb 10 08:11	0°♄	
	7025 Mar 08 16:07	0°♄		evening rise	7026 Feb 12 03:15	2°♄45'56	
greatest brilliancy	7025 Mar 14 14:49	9°♄18'18	-0.8m	greatest brilliancy	7026 Feb 26 13:38	24°♄37'35	-0.6m
evening max el	7025 Mar 27 04:52	26°♄33'58	19°04'20		7026 Mar 02 07:11	0°♄	
asc. node	7025 Mar 27 11:02	26°♄49'23		evening max el	7026 Mar 10 09:52	10°♄09'32	19°57'08
	7025 Mar 31 21:52	0°♄		asc. node	7026 Mar 14 08:05	13°♄24'14	
retrograde	7025 Apr 03 01:54	0°♄25'54		retrograde	7026 Mar 17 23:58	14°♄33'19	
	7025 Apr 05 04:34	30°♄		evening set	7026 Mar 21 18:08	13°♄10'59	
evening set	7025 Apr 06 11:50	29°♄18'09		inferior conj	7026 Mar 27 03:03	7°♄10'00	3°13'37
inferior conj	7025 Apr 12 00:22	23°♄31'35	3°25'46	minimum elong	7026 Mar 27 01:28	7°♄15'20	3°13'22

min. Earth dist.	7026 Mar 28 01:48	5°Υ53'32	0.67295 AU	asc. node	7027 Mar 01 05:08	28°Η45'50	
morning rise	7026 Apr 01 08:35	0°Υ53'57		retrograde	7027 Mar 01 22:20	28°Η48'31	
	7026 Apr 02 10:45	30°κΗ		evening set	7027 Mar 06 01:55	27°Η11'18	
direct	7026 Apr 07 05:48	28°Η16'15		inferior conj	7027 Mar 11 09:34	20°Η58'24	2°50'37
	7026 Apr 12 14:32	0°Υ		minimum elong	7027 Mar 11 07:23	21°Η05'55	2°50'08
desc. node	7026 Apr 18 16:16	4°Υ56'48		min. Earth dist.	7027 Mar 11 19:02	20°Η25'35	0.68001 AU
morning max el	7026 Apr 19 02:23	5°Υ22'10	25°05'27	morning rise	7027 Mar 16 12:40	14°Η44'32	
	7026 May 08 01:58	0°Ξ		direct	7027 Mar 21 20:10	12°Η23'59	
morning set	7026 May 25 04:35	28°Ξ01'58		morning max el	7027 Apr 01 11:24	18°Η44'25	23°36'51
	7026 May 26 06:51	0°Π		desc. node	7027 Apr 05 13:14	23°Η13'26	
max. Earth dist.	7026 May 28 19:55	4°Π39'47	1.36699 AU		7027 Apr 10 22:49	0°Υ	
					7027 May 01 05:02	0°Ξ	
superior conj	7026 Jun 04 04:16	16°Π49'07	-0°58'44	morning set	7027 May 06 17:19	9°Ξ08'09	
minimum elong	7026 Jun 04 07:43	17°Π06'11	0°58'11	max. Earth dist.	7027 May 10 15:35	15°Ξ55'13	1.38870 AU
asc. node	7026 Jun 10 07:14	29°Π06'07					
	7026 Jun 10 17:52	0°Ϣ		superior conj	7027 May 18 02:55	29°Ξ29'50	-1°28'36
evening rise	7026 Jun 12 11:41	3°Ϣ31'16		minimum elong	7027 May 18 08:00	29°Ξ53'41	1°27'58
	7026 Jun 28 04:51	0°Ω			7027 May 18 09:20	0°Π	
evening max el	7026 Jun 29 15:28	1°Ω31'14	19°36'46	evening rise	7027 May 27 08:25	17°Π15'59	
retrograde	7026 Jul 09 09:54	6°Ω19'36		asc. node	7027 May 28 04:15	18°Π52'15	
evening set	7026 Jul 11 06:51	6°Ω09'46			7027 Jun 03 02:39	0°Ϣ	
desc. node	7026 Jul 15 15:30	4°Ω39'46		evening max el	7027 Jun 12 14:35	13°Ϣ34'13	18°46'21
inferior conj	7026 Jul 20 01:51	2°Ω05'39	-1°20'43	retrograde	7027 Jun 20 20:16	17°Ϣ38'15	
minimum elong	7026 Jul 19 22:11	2°Ω11'28	1°19'22	evening set	7027 Jun 22 21:30	17°Ϣ24'03	
min. Earth dist.	7026 Jul 22 09:55	0°Ω37'29	0.55511 AU	inferior conj	7027 Jun 30 21:23	13°Ϣ03'13	0°29'00
	7026 Jul 23 10:43	30°κϢ		minimum elong	7027 Jun 30 22:30	13°Ϣ01'11	0°28'31
morning rise	7026 Jul 28 11:10	27°Ϣ35'34		desc. node	7027 Jul 02 12:33	11°Ϣ51'04	
direct	7026 Aug 02 02:58	26°Ϣ47'12		min. Earth dist.	7027 Jul 04 02:26	10°Ϣ42'56	0.57072 AU
	7026 Aug 11 10:57	0°Ω		morning rise	7027 Jul 08 20:02	7°Ϣ56'07	
morning max el	7026 Aug 16 02:12	3°Ω45'36	24°48'42	direct	7027 Jul 14 09:07	6°Ϣ41'00	
	7026 Sep 03 14:08	0°η		morning max el	7027 Jul 28 17:17	14°Ϣ10'45	26°20'47
asc. node	7026 Sep 06 06:35	5°η08'32			7027 Aug 10 07:40	0°Ω	
morning set	7026 Sep 10 23:24	14°η47'51		asc. node	7027 Aug 24 03:35	24°Ω48'35	
				morning set	7027 Aug 26 10:04	29°Ω33'05	
superior conj	7026 Sep 17 20:57	29°η48'25	1°34'18		7027 Aug 26 15:09	0°η	
minimum elong	7026 Sep 17 19:18	29°η39'22	1°34'11				
	7026 Sep 17 23:04	0°ϣ		superior conj	7027 Sep 02 08:18	14°η40'40	1°22'10
max. Earth dist.	7026 Sep 19 12:54	3°ϣ26'07	1.32584 AU	minimum elong	7027 Sep 02 06:08	14°η28'38	1°21'53
evening rise	7026 Sep 25 02:28	15°ϣ12'31		max. Earth dist.	7027 Sep 02 21:24	15°η53'07	1.31951 AU
	7026 Oct 02 18:04	0°η		evening rise	7027 Sep 09 06:14	29°η40'51	
desc. node	7026 Oct 11 14:34	14°η51'04			7027 Sep 09 09:53	0°ϣ	
	7026 Oct 22 17:27	0°ϣ			7027 Sep 25 21:19	0°η	
evening max el	7026 Oct 28 02:57	5°ϣ44'19	27°28'01	desc. node	7027 Sep 28 11:38	3°η51'19	
retrograde	7026 Nov 10 20:26	13°ϣ00'56		evening max el	7027 Oct 10 09:09	18°η10'28	27°07'10
evening set	7026 Nov 17 23:27	10°ϣ30'25		retrograde	7027 Oct 24 06:20	25°η22'05	
min. Earth dist.	7026 Nov 21 15:44	7°ϣ25'51	0.63023 AU	evening set	7027 Oct 31 07:14	23°η09'56	
inferior conj	7026 Nov 24 10:03	4°ϣ44'05	-2°51'28	min. Earth dist.	7027 Nov 03 23:50	20°η27'24	0.61037 AU
minimum elong	7026 Nov 24 15:18	4°ϣ31'15	2°49'29	inferior conj	7027 Nov 07 02:37	17°η46'22	-3°57'07
	7026 Nov 30 07:27	30°κη		minimum elong	7027 Nov 07 09:23	17°η31'46	3°55'05
morning rise	7026 Dec 01 09:00	29°η32'04		morning rise	7027 Nov 14 13:43	12°η54'11	
asc. node	7026 Dec 03 05:57	29°η07'14		direct	7027 Nov 16 19:41	12°η33'42	
direct	7026 Dec 03 17:30	29°η06'08		asc. node	7027 Nov 20 02:57	13°η19'48	
	7026 Dec 07 02:07	0°ϣ		morning max el	7027 Nov 23 23:58	16°η09'17	17°57'56
morning max el	7026 Dec 10 09:12	2°ϣ31'33	17°48'25		7027 Dec 03 16:08	0°ϣ	
morning set	7026 Dec 26 12:59	27°ϣ26'24		morning set	7027 Dec 09 16:30	10°ϣ52'02	
	7026 Dec 28 00:03	0°Ϣ					
superior conj	7027 Jan 07 09:47	17°Ϣ48'25	0°01'13	superior conj	7027 Dec 19 21:56	29°ϣ21'26	0°39'41
minimum elong	7027 Jan 07 09:55	17°Ϣ49'00	0°01'16	minimum elong	7027 Dec 20 01:00	29°ϣ34'50	0°39'19
behind sun begin	7027 Jan 07 00:40	17°Ϣ10'29			7027 Dec 20 06:45	0°Ϣ	
behind sun end	7027 Jan 07 19:10	18°Ϣ27'26		desc. node	7027 Dec 25 10:47	8°Ϣ51'19	
desc. node	7027 Jan 07 13:47	18°Ϣ05'05		max. Earth dist.	7027 Dec 27 11:19	12°Ϣ13'36	1.42401 AU
max. Earth dist.	7027 Jan 13 22:31	28°Ϣ28'29	1.44032 AU	evening rise	7028 Jan 02 11:05	21°Ϣ55'30	
	7027 Jan 14 21:24	0°≈			7028 Jan 07 15:22	0°≈	
evening rise	7027 Jan 22 14:08	12°≈04'29			7028 Jan 28 17:18	0°Η	
	7027 Feb 03 11:25	0°Η		evening max el	7028 Feb 04 03:47	7°Η24'57	22°19'05
evening max el	7027 Feb 21 09:19	23°Η45'56	21°03'23	retrograde	7028 Feb 13 19:09	13°Η08'23	
				asc. node	7028 Feb 16 02:10	12°Η41'17	

evening set	7028 Feb 18 09:36	11°  16'01		evening set	7029 Feb 01 15:37	25°  20'55	
inferior conj	7028 Feb 23 17:51	4°  54'23	2°18'21	asc. node	7029 Feb 01 23:14	25°  04'20	
minimum elong	7028 Feb 23 15:33	5°  02'25	2°17'41	min. Earth dist.	7029 Feb 06 11:56	19°  42'26	0.68183 AU
min. Earth dist.	7028 Feb 23 15:13	5°  03'34	0.68292 AU	inferior conj	7029 Feb 07 02:01	18°  54'16	1°37'45
	7028 Feb 27 13:53	30°  00		minimum elong	7029 Feb 07 00:02	19°  01'02	1°37'06
morning rise	7028 Feb 28 21:20	28°  44'14		morning rise	7029 Feb 12 08:25	12°  49'28	
direct	7028 Mar 04 14:35	26°  45'03		direct	7029 Feb 16 11:53	11°  12'56	
	7028 Mar 11 12:52	0°  00		morning max el	7029 Feb 24 16:27	15°  54'34	20°47'25
morning max el	7028 Mar 13 22:53	2°  14'05	22°08'13		7029 Mar 07 22:46	0°  00	
desc. node	7028 Mar 22 10:13	12°  17'12		desc. node	7029 Mar 09 07:13	1°  54'47	
	7028 Apr 03 22:09	0°  00		morning set	7029 Mar 26 10:11	27°  34'58	
morning set	7028 Apr 16 02:49	18°  56'54			7029 Mar 27 23:16	0°  00	
max. Earth dist.	7028 Apr 21 13:07	27°  53'18	1.41085 AU	max. Earth dist.	7029 Apr 03 17:57	10°  48'34	1.43050 AU
	7028 Apr 22 19:10	0°  00					
superior conj	7028 Apr 29 07:43	11°  19'01	-1°53'40	superior conj	7029 Apr 10 13:57	22°  06'06	-2°08'51
minimum elong	7028 Apr 29 13:04	11°  42'46	1°53'16	minimum elong	7029 Apr 10 16:35	22°  17'09	2°08'49
evening rise	7028 May 09 18:15	0°  26'17			7029 Apr 15 05:02	0°  00	
	7028 May 09 12:36	0°  00		evening rise	7029 Apr 22 12:55	12°  52'26	
asc. node	7028 May 14 01:18	8°  22'24		asc. node	7029 Apr 30 22:22	27°  30'37	
evening max el	7028 May 25 21:59	26°  12'21	18°16'18		7029 May 02 11:06	0°  00	
retrograde	7028 Jun 02 01:31	29°  14'14		evening max el	7029 May 09 09:55	9°  15'48	18°05'52
evening set	7028 Jun 04 10:08	29°  24'39		retrograde	7029 May 15 23:07	12°  37'49	
inferior conj	7028 Jun 11 14:35	24°  43'24	1°52'38	evening set	7029 May 18 14:58	12°  04'15	
minimum elong	7028 Jun 11 17:42	24°  36'42	1°51'36	inferior conj	7029 May 25 03:13	7°  02'39	2°47'09
min. Earth dist.	7028 Jun 15 00:27	21°  49'14	0.59147 AU	minimum elong	7029 May 25 06:05	6°  55'32	2°46'29
desc. node	7028 Jun 18 09:35	19°  23'36		min. Earth dist.	7029 May 28 06:01	3°  58'50	0.61382 AU
morning rise	7028 Jun 18 22:12	19°  05'10		morning rise	7029 May 31 19:07	1°  03'29	
direct	7028 Jun 25 05:04	17°  17'26			7029 Jun 02 13:46	30°  00	
morning max el	7028 Jul 09 14:06	25°  06'28	27°25'22	desc. node	7029 Jun 05 06:37	29°  00'33	
	7028 Jul 14 02:16	0°  00		direct	7029 Jun 07 12:09	28°  45'34	
	7028 Aug 02 15:22	0°  00			7029 Jun 12 17:17	0°  00	
morning set	7028 Aug 09 18:02	14°  07'58		morning max el	7029 Jun 21 17:31	6°  44'54	27°53'42
asc. node	7028 Aug 10 00:35	14°  04'23			7029 Jul 09 07:47	0°  00	
				morning set	7029 Jul 24 21:25	28°  26'57	
superior conj	7028 Aug 16 20:05	29°  03'58	1°05'10		7029 Jul 25 15:27	0°  00	
minimum elong	7028 Aug 16 17:51	29°  01'35	1°04'45	asc. node	7029 Jul 27 21:38	4°  04'55	
max. Earth dist.	7028 Aug 16 08:02	28°  02'41	1.31760 AU	max. Earth dist.	7029 Jul 30 17:03	10°  04'31	1.32011 AU
	7028 Aug 17 01:19	0°  00					
evening rise	7028 Aug 23 14:41	14°  09'44		superior conj	7029 Aug 01 06:32	14°  01'38	0°43'44
	7028 Aug 31 10:16	0°  00		minimum elong	7029 Aug 01 04:44	14°  03'41	0°43'19
desc. node	7028 Sep 14 08:42	21°  05'39		evening rise	7029 Aug 08 01:45	29°  05'34	
evening max el	7028 Sep 21 08:31	29°  04'54	26°12'46		7029 Aug 08 11:58	0°  00	
	7028 Sep 21 13:14	0°  00		desc. node	7029 Aug 25 02:48	0°  00	
retrograde	7028 Oct 05 07:06	6°  54'40		evening max el	7029 Sep 01 05:45	8°  52'13	
evening set	7028 Oct 11 19:18	5°  12'09		retrograde	7029 Sep 03 00:12	10°  03'09	24°50'19
min. Earth dist.	7028 Oct 15 21:41	2°  37'28	0.58957 AU		7029 Sep 16 20:48	17°  38'10	
inferior conj	7028 Oct 19 02:25	0°  13'42	-4°53'08	evening set	7029 Sep 22 07:21	16°  31'39	
minimum elong	7028 Oct 19 08:42	0°  01'52	4°51'54	min. Earth dist.	7029 Sep 27 11:24	13°  46'42	0.57013 AU
	7028 Oct 19 09:41	30°  00		inferior conj	7029 Sep 30 06:33	11°  57'24	-5°25'47
morning rise	7028 Oct 27 00:20	25°  43'46		minimum elong	7029 Sep 30 08:45	11°  53'48	5°25'39
direct	7028 Oct 29 07:48	25°  25'36		morning rise	7029 Oct 08 12:23	7°  50'03	
asc. node	7028 Nov 05 23:59	28°  05'13		direct	7029 Oct 11 01:52	7°  31'33	
morning max el	7028 Nov 06 08:49	29°  02'03	18°27'22	morning max el	7029 Oct 20 08:16	11°  54'30	19°18'22
	7028 Nov 07 00:45	0°  00		asc. node	7029 Oct 23 21:01	15°  51'27	
morning set	7028 Nov 22 08:44	24°  52'56			7029 Nov 01 15:03	0°  00	
	7028 Nov 25 00:35	0°  00		morning set	7029 Nov 06 09:40	9°  17'56	
superior conj	7028 Dec 01 08:31	11°  58'23	1°08'46	superior conj	7029 Nov 14 12:23	25°  15'22	1°28'14
minimum elong	7028 Dec 01 12:06	12°  14'56	1°08'23	minimum elong	7029 Nov 14 15:06	25°  38'37	1°28'02
max. Earth dist.	7028 Dec 08 19:33	25°  19'10	1.40394 AU		7029 Nov 16 21:27	0°  00	
desc. node	7028 Dec 11 07:49	29°  13'62		max. Earth dist.	7029 Nov 21 01:16	7°  45'02	1.38251 AU
	7028 Dec 11 13:25	0°  00		evening rise	7029 Nov 24 19:10	14°  26'17	
evening rise	7028 Dec 13 03:58	2°  34'02		desc. node	7029 Nov 28 04:51	20°  16'39	
	7028 Dec 30 22:44	0°  00			7029 Dec 04 04:01	0°  00	
evening max el	7029 Jan 16 18:43	21°  07'23	23°39'03		7029 Dec 25 18:54	0°  00	
retrograde	7029 Jan 27 12:59	27°  28'12		evening max el	7029 Dec 30 07:54	4°  52'51	24°56'47
				retrograde	7030 Jan 11 02:46	11°  43'29	

evening set	7030 Jan 16 18:26	9° \approx 22'25		evening set	7030 Dec 31 16:20	23° \approx 16'31	
asc. node	7030 Jan 19 20:17	6° \approx 08'20		min. Earth dist.	7031 Jan 04 21:57	18° \approx 47'12	0.66827 AU
min. Earth dist.	7030 Jan 21 06:55	4° \approx 18'22	0.67692 AU	inferior conj	7031 Jan 06 10:39	16° \approx 53'21	-0°05'38
inferior conj	7030 Jan 22 08:15	2° \approx 55'05	0°49'33	minimum elong	7031 Jan 06 10:48	16° \approx 52'54	0°05'30
minimum elong	7030 Jan 22 07:05	2° \approx 58'56	0°49'09	transit middle	7031 Jan 06 10:48	16° \approx 52'54	0°05'30
	7030 Jan 24 15:36	30° \approx 8'3		transit begin	7031 Jan 06 08:07	17° \approx 30'14	
morning rise	7030 Jan 27 19:57	26° \approx 57'24		transit end	7031 Jan 06 13:29	16° \approx 34'34	
direct	7030 Jan 31 10:40	25° \approx 34'22		asc. node	7031 Jan 06 17:20	16° \approx 33'23	
	7030 Feb 07 23:04	0° \approx		morning rise	7031 Jan 12 05:53	11° \approx 30'45	
morning max el	7030 Feb 07 18:02	29° \approx 34'24	19°39'25	direct	7031 Jan 15 09:23	10° \approx 30'82	
greatest brilliancy	7030 Feb 20 14:10	16° \approx 36'09	-0.7m	morning max el	7031 Jan 22 03:05	13° \approx 34'15	18°46'45
desc. node	7030 Feb 24 04:13	21° \approx 56'56			7031 Feb 03 03:36	0° \approx	
	7030 Mar 01 11:28	0° \approx		desc. node	7031 Feb 11 01:12	12° \approx 16'53	
morning set	7030 Mar 05 07:06	5° \approx 51'45		morning set	7031 Feb 12 18:16	14° \approx 57'49	
max. Earth dist.	7030 Mar 17 06:15	24° \approx 32'38	1.44514 AU		7031 Feb 22 08:43	0° \approx	
	7030 Mar 20 16:22	0° \approx		max. Earth dist.	7031 Feb 27 23:21	8° \approx 47'02	1.45313 AU
superior conj	7030 Mar 21 19:04	1° \approx 47'18	-2°08'13	superior conj	7031 Mar 01 04:07	10° \approx 39'52	-1°47'37
minimum elong	7030 Mar 21 15:28	1° \approx 32'49	2°08'06	minimum elong	7031 Feb 28 19:01	10° \approx 40'09	1°46'51
evening rise	7030 Apr 04 11:56	24° \approx 09'25			7031 Mar 13 08:55	0° \approx	
	7030 Apr 07 19:05	0° \approx		evening rise	7031 Mar 16 11:52	5° \approx 01'02	
asc. node	7030 Apr 17 19:25	16° \approx 09'38		greatest brilliancy	7031 Mar 23 05:18	15° \approx 51'14	-0.9m
evening max el	7030 Apr 22 23:04	22° \approx 35'54	18°14'22		7031 Apr 01 11:05	0° \approx	
retrograde	7030 Apr 29 08:29	25° \approx 59'49		asc. node	7031 Apr 04 16:29	4° \approx 10'23	
evening set	7030 May 02 07:06	25° \approx 13'46		evening max el	7031 Apr 06 10:40	6° \approx 06'04	18°41'08
inferior conj	7030 May 08 07:16	19° \approx 53'18	3°16'49	retrograde	7031 Apr 13 01:19	9° \approx 44'47	
minimum elong	7030 May 08 08:51	19° \approx 48'51	3°16'35	evening set	7031 Apr 16 06:52	8° \approx 45'17	
min. Earth dist.	7030 May 10 20:47	17° \approx 02'32	0.63495 AU	inferior conj	7031 Apr 21 22:43	3° \approx 07'49	3°26'59
morning rise	7030 May 14 09:24	13° \approx 42'28		minimum elong	7031 Apr 21 22:52	3° \approx 07'21	3°26'56
direct	7030 May 21 04:22	11° \approx 03'21		min. Earth dist.	7031 Apr 23 20:57	0° \approx 46'40	0.65297 AU
desc. node	7030 May 23 03:39	11° \approx 15'29			7031 Apr 24 12:47	30° \approx 8'9	
morning max el	7030 Jun 04 01:48	19° \approx 04'37	27°44'05	morning rise	7031 Apr 27 14:14	26° \approx 51'57	
	7030 Jun 13 07:43	0° \approx		direct	7031 May 04 04:21	24° \approx 03'55	
	7030 Jul 02 06:27	0° \approx		desc. node	7031 May 10 00:38	25° \approx 51'12	
morning set	7030 Jul 08 17:52	12° \approx 22'32			7031 May 15 12:10	0° \approx	
max. Earth dist.	7030 Jul 13 20:20	22° \approx 52'38	1.32723 AU	morning max el	7031 May 17 12:07	1° \approx 55'43	27°00'57
asc. node	7030 Jul 14 18:39	24° \approx 51'00			7031 Jun 07 11:50	0° \approx	
				morning set	7031 Jun 22 04:30	25° \approx 14'58	
superior conj	7030 Jul 16 13:44	28° \approx 42'00	0°18'22		7031 Jun 24 08:27	0° \approx	
minimum elong	7030 Jul 16 12:51	28° \approx 37'17	0°18'06	max. Earth dist.	7031 Jun 26 14:14	4° \approx 28'40	1.33912 AU
	7030 Jul 17 04:11	0° \approx					
evening rise	7030 Jul 23 13:28	13° \approx 48'16		superior conj	7031 Jun 30 15:38	12° \approx 50'42	-0°10'14
	7030 Jul 31 16:12	0° \approx		minimum elong	7031 Jun 30 16:10	12° \approx 53'35	0°10'11
evening max el	7030 Aug 15 11:48	20° \approx 57'22	23°12'53	behind sun begin	7031 Jun 30 11:46	12° \approx 30'31	
desc. node	7030 Aug 19 02:50	24° \approx 02'42		behind sun end	7031 Jun 30 20:34	13° \approx 16'39	
retrograde	7030 Aug 28 22:17	27° \approx 40'57		asc. node	7031 Jul 01 15:40	14° \approx 57'06	
evening set	7030 Sep 01 20:52	27° \approx 06'56		evening rise	7031 Jul 07 23:57	28° \approx 23'33	
min. Earth dist.	7030 Sep 08 20:53	23° \approx 54'06	0.55507 AU		7031 Jul 08 18:25	0° \approx	
inferior conj	7030 Sep 10 14:47	22° \approx 53'00	-5°17'09		7031 Jul 26 21:17	0° \approx	
minimum elong	7030 Sep 10 09:57	23° \approx 00'04	5°16'39	evening max el	7031 Jul 28 04:06	1° \approx 19'17	21°37'00
morning rise	7030 Sep 19 01:17	19° \approx 01'59		desc. node	7031 Aug 05 23:51	6° \approx 57'23	
direct	7030 Sep 22 00:25	18° \approx 41'00		retrograde	7031 Aug 09 13:19	7° \approx 27'39	
morning max el	7030 Oct 02 19:37	23° \approx 43'14	20°31'41	evening set	7031 Aug 12 03:15	7° \approx 12'33	
	7030 Oct 08 05:54	0° \approx		inferior conj	7031 Aug 21 09:31	3° \approx 12'51	-4°14'50
asc. node	7030 Oct 10 18:02	3° \approx 40'22		minimum elong	7031 Aug 21 00:17	3° \approx 25'47	4°12'28
morning set	7030 Oct 21 16:17	23° \approx 57'36		min. Earth dist.	7031 Aug 21 06:08	3° \approx 17'36	0.54762 AU
	7030 Oct 24 14:24	0° \approx			7031 Aug 27 21:18	30° \approx 8'0	
				morning rise	7031 Aug 29 22:25	29° \approx 21'51	
superior conj	7030 Oct 29 04:43	9° \approx 27'58	1°39'00	direct	7031 Sep 02 10:09	28° \approx 55'21	
minimum elong	7030 Oct 29 06:04	9° \approx 34'49	1°38'59		7031 Sep 07 17:19	0° \approx	
max. Earth dist.	7030 Nov 03 08:34	19° \approx 42'41	1.36210 AU	morning max el	7031 Sep 14 18:42	4° \approx 45'02	22°04'39
evening rise	7030 Nov 07 06:15	27° \approx 04'45		asc. node	7031 Sep 27 15:02	22° \approx 12'52	
	7030 Nov 08 20:42	0° \approx			7031 Oct 01 19:09	0° \approx	
desc. node	7030 Nov 15 01:54	10° \approx 47'25		morning set	7031 Oct 06 02:17	8° \approx 45'27	
	7030 Nov 27 13:34	0° \approx					
evening max el	7030 Dec 12 20:43	18° \approx 38'04	26°05'17	superior conj	7031 Oct 13 05:44	23° \approx 54'59	1°42'13
retrograde	7030 Dec 25 11:46	25° \approx 34'21		minimum elong	7031 Oct 13 05:42	23° \approx 54'49	1°42'16

	7031 Oct 16 03:48	0°♍		minimum elong	7032 Sep 26 11:23	8°♊31'23	1°38'51
max. Earth dist.	7031 Oct 16 22:25	1°♍35'25	1.34473 AU	max. Earth dist.	7032 Sep 28 21:02	13°♊41'15	1.33146 AU
evening rise	7031 Oct 21 09:20	10°♍26'40		evening rise	7032 Oct 04 00:34	24°♊22'02	
	7031 Nov 01 07:30	0°♊			7032 Oct 06 21:12	0°♍	
desc. node	7031 Nov 01 22:56	1°♊03'25		desc. node	7032 Oct 18 19:58	20°♍57'59	
	7031 Nov 23 03:24	0°♊			7032 Oct 24 20:42	0°♊	
evening max el	7031 Nov 25 09:42	2°♊16'36	26°57'13	evening max el	7032 Nov 06 21:58	15°♊38'14	27°25'19
retrograde	7031 Dec 08 15:15	9°♊35'30		retrograde	7032 Nov 20 12:26	22°♊56'47	
evening set	7031 Dec 15 07:16	6°♊58'04		evening set	7032 Nov 27 12:48	20°♊21'22	
min. Earth dist.	7031 Dec 19 06:46	3°♊03'21	0.65605 AU	min. Earth dist.	7032 Dec 01 07:15	16°♊59'31	0.64048 AU
inferior conj	7031 Dec 21 07:05	0°♊44'41	-1°06'55	inferior conj	7032 Dec 03 19:07	14°♊23'36	-2°12'40
minimum elong	7031 Dec 21 09:01	0°♊39'07	1°06'02	minimum elong	7032 Dec 03 23:10	14°♊13'04	2°11'00
	7031 Dec 21 22:43	30°♋♊		morning rise	7032 Dec 10 11:05	9°♊01'16	
asc. node	7031 Dec 24 14:22	27°♊13'30		asc. node	7032 Dec 10 11:23	9°♊00'59	
morning rise	7031 Dec 27 11:52	25°♊07'45		direct	7032 Dec 12 22:25	8°♊30'39	
direct	7031 Dec 30 06:06	24°♊26'14		morning max el	7032 Dec 19 10:28	11°♊54'30	17°51'24
morning max el	7032 Jan 05 17:28	27°♊53'52	18°10'30		7032 Dec 31 20:45	0°♊	
	7032 Jan 07 15:42	0°♊		morning set	7033 Jan 05 05:54	7°♊26'54	
morning set	7032 Jan 24 09:58	25°♊30'41		desc. node	7033 Jan 14 19:11	23°♊30'07	
	7032 Jan 27 04:19	0°♋					
desc. node	7032 Jan 28 22:10	2°♋49'12		superior conj	7033 Jan 18 05:13	29°♊05'26	-0°24'17
				minimum elong	7033 Jan 18 02:28	28°♊54'15	0°23'48
superior conj	7032 Feb 08 09:05	19°♋28'39	-1°09'42		7033 Jan 18 18:41	0°♋	
minimum elong	7032 Feb 08 00:57	18°♋56'38	1°08'40	max. Earth dist.	7033 Jan 23 13:29	7°♋39'42	1.44723 AU
max. Earth dist.	7032 Feb 10 18:33	23°♋14'24	1.45383 AU	evening rise	7033 Feb 03 01:48	24°♋02'53	
	7032 Feb 15 02:17	0°♋			7033 Feb 06 23:18	0°♋	
evening rise	7032 Feb 24 13:34	14°♋44'39			7033 Feb 27 22:38	0°♋	
	7032 Mar 05 10:02	0°♋		evening max el	7033 Mar 02 21:21	3°♋17'34	20°23'52
greatest brilliancy	7032 Mar 07 19:12	3°♋37'21	-0.7m	asc. node	7033 Mar 08 10:34	7°♋26'30	
evening max el	7032 Mar 19 18:33	19°♋40'40	19°25'00	retrograde	7033 Mar 10 20:30	7°♋56'47	
asc. node	7032 Mar 21 13:32	21°♋20'30		evening set	7033 Mar 14 18:32	6°♋28'13	
retrograde	7032 Mar 26 22:10	23°♋45'14		inferior conj	7033 Mar 20 02:42	0°♋22'05	3°05'02
evening set	7032 Mar 30 11:23	22°♋31'32		minimum elong	7033 Mar 20 00:48	0°♋28'31	3°04'42
inferior conj	7032 Apr 04 22:06	16°♋38'45	3°22'02		7033 Mar 20 09:10	30°♋♋	
minimum elong	7032 Apr 04 21:02	16°♋42'14	3°21'55	min. Earth dist.	7033 Mar 20 19:42	29°♋24'05	0.67659 AU
min. Earth dist.	7032 Apr 06 05:11	14°♋57'10	0.66696 AU	morning rise	7033 Mar 25 06:52	24°♋06'53	
morning rise	7032 Apr 10 06:21	10°♋22'03		direct	7033 Mar 30 22:32	21°♋35'32	
direct	7032 Apr 16 10:46	7°♋37'23		morning max el	7033 Apr 11 06:46	28°♋22'46	24°28'12
desc. node	7032 Apr 25 21:37	12°♋14'26		desc. node	7033 Apr 12 18:37	29°♋56'30	
morning max el	7032 Apr 28 21:58	15°♋04'32	25°52'22		7033 Apr 12 19:55	0°♋	
	7032 May 11 03:29	0°♋			7033 May 04 21:09	0°♋	
	7032 May 30 07:46	0°♋		morning set	7033 May 17 03:30	20°♋14'09	
morning set	7032 Jun 04 01:23	8°♋28'45		max. Earth dist.	7033 May 20 18:38	26°♋42'03	1.37608 AU
max. Earth dist.	7032 Jun 07 20:44	15°♋37'39	1.35568 AU		7033 May 22 13:57	0°♋	
superior conj	7032 Jun 13 09:37	26°♋32'20	-0°40'52	superior conj	7033 May 27 16:30	9°♋38'33	-1°11'45
minimum elong	7032 Jun 13 11:59	26°♋44'14	0°40'28	minimum elong	7033 May 27 20:44	9°♋58'59	1°11'07
	7032 Jun 15 02:31	0°♋		asc. node	7033 Jun 04 09:44	24°♋52'12	
asc. node	7032 Jun 17 12:42	4°♋58'51		evening rise	7033 Jun 05 08:31	26°♋45'33	
evening rise	7032 Jun 21 07:07	12°♋44'53			7033 Jun 06 23:52	0°♋	
	7032 Jun 30 07:39	0°♋		evening max el	7033 Jun 22 00:51	23°♋54'16	19°12'45
evening max el	7032 Jul 09 08:03	12°♋14'56	20°15'08	retrograde	7033 Jul 01 02:15	28°♋21'45	
retrograde	7032 Jul 20 02:14	17°♋32'24		evening set	7033 Jul 03 00:30	28°♋10'30	
evening set	7032 Jul 22 00:42	17°♋22'52		desc. node	7033 Jul 09 17:55	25°♋08'44	
desc. node	7032 Jul 22 20:52	17°♋13'03		inferior conj	7033 Jul 11 11:47	24°♋00'02	-0°31'39
inferior conj	7032 Jul 31 03:54	13°♋24'57	-2°29'00	minimum elong	7033 Jul 11 10:24	24°♋02'20	0°31'12
minimum elong	7032 Jul 30 21:03	13°♋35'01	2°26'35	min. Earth dist.	7033 Jul 14 06:53	22°♋08'16	0.56097 AU
min. Earth dist.	7032 Aug 01 17:06	12°♋30'11	0.54969 AU	morning rise	7033 Jul 19 17:21	19°♋14'35	
morning rise	7032 Aug 08 16:11	9°♋13'47		direct	7033 Jul 24 18:32	18°♋15'52	
direct	7032 Aug 12 20:50	8°♋35'41		morning max el	7033 Aug 07 22:22	25°♋28'25	25°30'28
morning max el	7032 Aug 26 09:21	15°♋11'36	23°49'01		7033 Aug 12 04:15	0°♋	
	7032 Sep 07 00:59	0°♋			7033 Aug 30 23:24	0°♋	
asc. node	7032 Sep 13 12:02	11°♋18'31		asc. node	7033 Aug 31 09:03	0°♋48'19	
morning set	7032 Sep 19 13:52	23°♋36'35		morning set	7033 Sep 04 01:20	8°♋25'28	
	7032 Sep 22 13:15	0°♋					
				superior conj	7033 Sep 10 22:48	23°♋28'13	1°29'47
superior conj	7032 Sep 26 12:33	8°♋37'42	1°38'53	minimum elong	7033 Sep 10 20:52	23°♋17'36	1°29'35

max. Earth dist.	7033 Sep 12 02:58	26° ♁ 02'57	1.32261 AU	superior conj	7034 Aug 26 10:33	8° ♁ 20'35	1°15'32
	7033 Sep 13 22:27	0° ♁		minimum elong	7034 Aug 26 08:18	8° ♁ 08'04	1°15'10
evening rise	7033 Sep 18 00:33	8° ♁ 40'42		max. Earth dist.	7034 Aug 26 13:04	8° ♁ 34'27	1.31818 AU
	7033 Sep 29 06:23	0° ♁		evening rise	7034 Sep 02 06:36	23° ♁ 15'05	
desc. node	7033 Oct 05 17:01	10° ♁ 21'30			7034 Sep 05 12:59	0° ♁	
evening max el	7033 Oct 20 07:16	28° ♁ 28'31	27°23'24	desc. node	7034 Sep 22 14:05	29° ♁ 01'32	
	7033 Oct 21 23:48	0° ♁			7034 Sep 23 07:12	0° ♁	
retrograde	7033 Nov 03 02:23	5° ♁ 42'17		evening max el	7034 Oct 02 10:44	10° ♁ 34'48	26°47'53
evening set	7033 Nov 10 05:38	3° ♁ 18'26		retrograde	7034 Oct 16 08:20	17° ♁ 43'38	
min. Earth dist.	7033 Nov 13 21:26	0° ♁ 24'32	0.62201 AU	evening set	7034 Oct 23 05:36	15° ♁ 42'34	
	7033 Nov 14 08:17	30° ♁		min. Earth dist.	7034 Oct 27 00:44	13° ♁ 05'46	0.60158 AU
inferior conj	7033 Nov 16 19:45	27° ♁ 41'37	-3°19'53	inferior conj	7034 Oct 30 05:34	10° ♁ 29'52	-4°22'45
minimum elong	7033 Nov 17 01:46	27° ♁ 27'37	3°17'46	minimum elong	7034 Oct 30 12:28	10° ♁ 15'49	4°20'56
morning rise	7033 Nov 23 23:52	22° ♁ 37'23		morning rise	7034 Nov 06 21:34	5° ♁ 47'08	
direct	7033 Nov 26 06:59	22° ♁ 14'03		direct	7034 Nov 09 03:46	5° ♁ 27'56	
asc. node	7033 Nov 27 08:24	22° ♁ 19'09		asc. node	7034 Nov 14 05:26	7° ♁ 10'00	
morning max el	7033 Dec 03 02:56	25° ♁ 42'39	17°50'10	morning max el	7034 Nov 16 15:37	9° ♁ 09'56	18°07'58
	7033 Dec 06 17:42	0° ♁			7034 Nov 30 04:13	0° ♁	
morning set	7033 Dec 18 23:41	20° ♁ 25'12		morning set	7034 Dec 02 09:07	4° ♁ 07'02	
	7033 Dec 24 08:55	0° ♁					
superior conj	7033 Dec 30 02:31	9° ♁ 55'23	0°18'35	superior conj	7034 Dec 12 00:47	21° ♁ 57'08	0°53'14
minimum elong	7033 Dec 30 04:14	10° ♁ 02'40	0°18'23	minimum elong	7034 Dec 12 04:18	22° ♁ 12'53	0°52'48
desc. node	7034 Jan 01 16:12	14° ♁ 15'16			7034 Dec 16 14:32	0° ♁	
max. Earth dist.	7034 Jan 06 05:34	21° ♁ 45'33	1.43403 AU	max. Earth dist.	7034 Dec 19 16:33	5° ♁ 15'17	1.41578 AU
	7034 Jan 11 09:16	0° ♁		desc. node	7034 Dec 19 13:13	5° ♁ 01'17	
evening rise	7034 Jan 13 15:20	3° ♁ 31'40		evening rise	7034 Dec 24 19:53	13° ♁ 43'18	
	7034 Jan 31 10:03	0° ♁			7035 Jan 04 07:26	0° ♁	
evening max el	7034 Feb 13 18:40	16° ♁ 55'33	21°34'40	evening max el	7035 Jan 26 21:29	0° ♁	
retrograde	7034 Feb 22 18:21	22° ♁ 15'01			7035 Jan 27 11:16	0° ♁ 35'10	22°52'55
asc. node	7034 Feb 23 07:37	22° ♁ 13'25		retrograde	7035 Feb 06 14:09	6° ♁ 35'30	
evening set	7034 Feb 27 02:31	20° ♁ 31'10		asc. node	7035 Feb 10 04:40	5° ♁ 29'35	
inferior conj	7034 Mar 04 10:13	14° ♁ 14'13	2°37'59	evening set	7035 Feb 11 09:43	4° ♁ 36'27	
minimum elong	7034 Mar 04 07:56	14° ♁ 22'09	2°37'24		7035 Feb 15 11:14	30° ♁	
min. Earth dist.	7034 Mar 04 14:22	13° ♁ 59'46	0.68181 AU	inferior conj	7035 Feb 16 18:41	28° ♁ 11'59	2°02'06
morning rise	7034 Mar 09 13:11	8° ♁ 02'01		minimum elong	7035 Feb 16 16:27	28° ♁ 19'42	2°01'25
direct	7034 Mar 14 14:40	5° ♁ 50'20		min. Earth dist.	7035 Feb 16 11:01	28° ♁ 38'32	0.68290 AU
morning max el	7034 Mar 24 16:28	11° ♁ 48'18	22°58'39	morning rise	7035 Feb 21 23:06	22° ♁ 04'04	
desc. node	7034 Mar 30 15:37	18° ♁ 35'18		direct	7035 Feb 26 10:19	20° ♁ 14'47	
	7034 Apr 08 04:23	0° ♁		morning max el	7035 Mar 07 06:21	25° ♁ 22'49	21°32'36
	7034 Apr 27 17:23	0° ♁			7035 Mar 11 10:03	0° ♁	
morning set	7034 Apr 28 05:11	0° ♁ 48'54		desc. node	7035 Mar 17 12:37	7° ♁ 54'45	
max. Earth dist.	7034 May 02 14:55	8° ♁ 15'51	1.39830 AU		7035 Apr 01 15:33	0° ♁	
				morning set	7035 Apr 08 02:52	10° ♁ 05'24	
superior conj	7034 May 10 08:14	21° ♁ 59'28	-1°40'04	max. Earth dist.	7035 Apr 14 15:27	20° ♁ 39'01	1.41964 AU
minimum elong	7034 May 10 13:41	22° ♁ 24'28	1°39'30		7035 Apr 20 04:51	0° ♁	
	7034 May 14 15:29	0° ♁		superior conj	7035 Apr 22 03:59	3° ♁ 23'17	-2°01'39
evening rise	7034 May 20 01:09	10° ♁ 17'39		minimum elong	7035 Apr 22 08:38	3° ♁ 43'28	2°01'25
asc. node	7034 May 22 06:46	14° ♁ 32'43		evening rise	7035 May 03 05:10	23° ♁ 11'00	
	7034 May 31 04:06	0° ♁			7035 May 06 23:08	0° ♁	
evening max el	7034 Jun 05 03:57	6° ♁ 13'43	18°31'02	asc. node	7035 May 09 03:49	3° ♁ 54'35	
retrograde	7034 Jun 12 21:03	10° ♁ 03'37		evening max el	7035 May 19 13:41	19° ♁ 03'43	18°09'27
evening set	7034 Jun 15 01:21	9° ♁ 46'13		retrograde	7035 May 26 09:58	22° ♁ 31'35	
inferior conj	7034 Jun 22 16:40	5° ♁ 16'27	1°08'07	evening set	7035 May 28 21:32	22° ♁ 04'45	
minimum elong	7034 Jun 22 18:58	5° ♁ 11'54	1°07'15	inferior conj	7035 Jun 04 18:37	17° ♁ 14'41	2°19'06
min. Earth dist.	7034 Jun 26 01:21	2° ♁ 39'17	0.57913 AU	minimum elong	7035 Jun 04 21:50	17° ♁ 07'19	2°18'11
desc. node	7034 Jun 26 14:57	2° ♁ 14'20		min. Earth dist.	7035 Jun 08 02:34	14° ♁ 13'14	0.60093 AU
morning rise	7034 Jun 30 09:14	29° ♁ 54'59		morning rise	7035 Jun 11 19:25	11° ♁ 25'53	
	7034 Jun 30 05:13	30° ♁		desc. node	7035 Jun 13 12:00	10° ♁ 31'06	
direct	7034 Jul 06 06:26	28° ♁ 26'40		direct	7035 Jun 18 07:26	9° ♁ 24'35	
	7034 Jul 12 11:16	0° ♁		morning max el	7035 Jul 02 15:48	17° ♁ 19'44	27°42'06
morning max el	7034 Jul 20 15:49	6° ♁ 05'18	26°52'25		7035 Jul 13 04:01	0° ♁	
	7034 Aug 07 08:37	0° ♁			7035 Jul 30 23:15	0° ♁	
asc. node	7034 Aug 18 06:04	20° ♁ 35'29		morning set	7035 Aug 03 17:23	7° ♁ 36'37	
morning set	7034 Aug 19 11:06	23° ♁ 07'34		asc. node	7035 Aug 05 03:06	10° ♁ 33'38	
	7034 Aug 22 15:47	0° ♁		max. Earth dist.	7035 Aug 09 23:26	21° ♁ 03'48	1.31811 AU

superior conj	7035 Aug 10 22:00	23° Ω 08'17	0°56'35	superior conj	7036 Jul 25 07:19	7° Ω 45'44	0°33'24
minimum elong	7035 Aug 10 19:53	22° Ω 56'36	0°56'09	minimum elong	7036 Jul 25 05:50	7° Ω 37'41	0°33'02
	7035 Aug 14 00:32	0° Π		evening rise	7036 Aug 01 03:57	22° Ω 41'58	
evening rise	7035 Aug 17 16:24	7° Π 57'30			7036 Aug 04 15:51	0° Π	
	7035 Aug 29 01:03	0° Ω			7036 Aug 23 11:43	0° Ω	
desc. node	7035 Sep 09 11:08	16° Ω 40'23		evening max el	7036 Aug 25 19:36	2° Ω 24'09	24°09'41
evening max el	7035 Sep 14 06:25	21° Ω 50'44	25°40'23	desc. node	7036 Aug 26 08:11	2° Ω 53'57	
retrograde	7035 Sep 28 04:58	28° Ω 54'57		retrograde	7036 Sep 08 13:47	9° Ω 18'28	
evening set	7035 Oct 04 07:51	27° Ω 27'10		evening set	7036 Sep 13 09:23	8° Ω 27'16	
min. Earth dist.	7035 Oct 08 18:40	24° Ω 50'27	0.58093 AU	min. Earth dist.	7036 Sep 19 06:24	5° Ω 32'01	0.56295 AU
inferior conj	7035 Oct 11 21:11	22° Ω 39'02	-5°10'52	inferior conj	7036 Sep 21 16:34	4° Ω 02'03	-5°28'15
minimum elong	7035 Oct 12 02:14	22° Ω 30'04	5°10'10	minimum elong	7036 Sep 21 15:55	4° Ω 03'03	5°28'15
morning rise	7035 Oct 19 22:58	18° Ω 19'19		morning rise	7036 Sep 30 00:41	0° Ω 02'39	
direct	7035 Oct 22 08:18	18° Ω 01'26			7036 Sep 30 05:25	30° \mathbb{R} Π	
morning max el	7035 Oct 30 20:57	22° Ω 06'44	18°46'25	direct	7036 Oct 02 17:43	29° Π 43'25	
asc. node	7035 Nov 01 02:28	23° Ω 22'13			7036 Oct 05 04:25	0° Ω	
	7035 Nov 06 02:27	0° \mathbb{M}		morning max el	7036 Oct 12 15:29	4° Ω 22'29	19°46'52
morning set	7035 Nov 16 05:26	18° \mathbb{M} 19'01		asc. node	7036 Oct 17 23:30	10° Ω 40'15	
	7035 Nov 22 05:08	0° \mathbb{X}			7036 Oct 28 23:06	0° \mathbb{M}	
				morning set	7036 Oct 30 09:05	2° \mathbb{M} 50'49	
superior conj	7035 Nov 24 19:21	4° \mathbb{X} 57'16	1°18'09	superior conj	7036 Nov 07 05:00	18° \mathbb{M} 40'31	1°33'47
minimum elong	7035 Nov 24 22:41	5° \mathbb{X} 12'59	1°17'50	minimum elong	7036 Nov 07 07:10	18° \mathbb{M} 51'16	1°33'41
max. Earth dist.	7035 Dec 01 22:45	18° \mathbb{X} 01'07	1.39475 AU	max. Earth dist.	7036 Nov 13 04:12	0° \mathbb{X} 11'12	1.37353 AU
evening rise	7035 Dec 05 22:17	24° \mathbb{X} 54'18			7036 Nov 13 01:49	0° \mathbb{X}	
desc. node	7035 Dec 06 10:15	25° \mathbb{X} 44'51		evening rise	7036 Nov 16 22:23	7° \mathbb{X} 03'23	
	7035 Dec 08 23:31	0° \mathbb{Z}		desc. node	7036 Nov 22 07:16	16° \mathbb{X} 21'35	
	7035 Dec 29 01:20	0° \approx			7036 Nov 30 20:14	0° \mathbb{Z}	
evening max el	7036 Jan 10 01:04	14° \approx 18'35	24°12'52	evening max el	7036 Dec 22 14:03	28° \mathbb{Z} 04'43	25°27'39
retrograde	7036 Jan 21 06:32	20° \approx 54'08			7036 Dec 24 15:41	0° \approx	
evening set	7036 Jan 26 14:35	18° \approx 40'45		retrograde	7037 Jan 03 18:23	5° \approx 05'10	
asc. node	7036 Jan 28 01:43	17° \approx 16'21		evening set	7037 Jan 09 15:28	2° \approx 39'22	
min. Earth dist.	7036 Jan 31 07:21	13° \approx 16'43	0.68009 AU		7037 Jan 12 06:30	30° \mathbb{R} \mathbb{Z}	
inferior conj	7036 Feb 01 02:15	12° \approx 12'59	1°18'14	asc. node	7037 Jan 13 22:46	27° \mathbb{Z} 56'57	
minimum elong	7036 Feb 01 00:33	12° \approx 18'43	1°17'39	min. Earth dist.	7037 Jan 14 01:01	27° \mathbb{Z} 49'47	0.67362 AU
morning rise	7036 Feb 06 10:36	6° \approx 10'49		inferior conj	7037 Jan 15 07:04	26° \mathbb{Z} 13'06	0°26'59
direct	7036 Feb 10 08:22	4° \approx 43'49		minimum elong	7037 Jan 15 06:24	26° \mathbb{Z} 15'17	0°26'46
morning max el	7036 Feb 18 03:15	9° \approx 08'58	20°16'46	morning rise	7037 Jan 20 21:40	20° \mathbb{Z} 18'46	
desc. node	7036 Mar 03 09:37	27° \approx 43'55		direct	7037 Jan 24 07:25	19° \mathbb{Z} 11'59	
	7036 Mar 04 22:41	0° \mathbb{X}		morning max el	7037 Jan 31 08:02	23° \mathbb{Z} 05'26	19°15'02
morning set	7036 Mar 17 02:59	18° \mathbb{X} 26'17			7037 Feb 06 02:45	0° \approx	
	7036 Mar 24 12:11	0° \mathbb{Y}		greatest brilliancy	7037 Feb 13 15:07	10° \approx 50'28	-0.7m
max. Earth dist.	7036 Mar 26 23:03	3° \mathbb{Y} 54'51	1.43738 AU	desc. node	7037 Feb 18 06:35	17° \approx 54'09	
superior conj	7036 Apr 01 23:36	13° \mathbb{Y} 42'24	-2°10'52	morning set	7037 Feb 24 03:01	26° \approx 55'18	
minimum elong	7036 Apr 01 23:55	13° \mathbb{Y} 43'41	2°10'53		7037 Feb 26 02:42	0° \mathbb{X}	
	7036 Apr 11 15:08	0° \mathbb{Z}		max. Earth dist.	7037 Mar 09 13:28	17° \mathbb{X} 52'48	1.44941 AU
evening rise	7036 Apr 14 16:04	5° \mathbb{Z} 15'55		superior conj	7037 Mar 12 18:53	22° \mathbb{X} 59'00	-2°01'58
asc. node	7036 Apr 25 00:53	22° \mathbb{Z} 51'43		minimum elong	7037 Mar 12 12:26	22° \mathbb{X} 33'24	2°01'37
	7036 Apr 30 01:35	0° \mathbb{I}			7037 Mar 17 04:17	0° \mathbb{Y}	
evening max el	7036 May 02 02:33	2° \mathbb{I} 15'40	18°07'12	evening rise	7037 Mar 27 05:23	16° \mathbb{Y} 23'45	
retrograde	7036 May 08 13:00	5° \mathbb{I} 36'45			7037 Apr 04 11:27	0° \mathbb{Z}	
evening set	7036 May 11 07:42	4° \mathbb{I} 58'07		asc. node	7037 Apr 11 21:55	11° \mathbb{Z} 15'35	
	7036 May 17 09:59	30° \mathbb{R} \mathbb{Z}		evening max el	7037 Apr 15 15:24	15° \mathbb{Z} 40'59	18°23'39
inferior conj	7036 May 17 14:21	29° \mathbb{Z} 48'37	3°02'24	retrograde	7037 Apr 22 01:52	19° \mathbb{Z} 09'19	
minimum elong	7036 May 17 16:45	29° \mathbb{Z} 42'21	3°01'56	evening set	7037 Apr 25 03:28	18° \mathbb{Z} 17'33	
min. Earth dist.	7036 May 20 12:09	26° \mathbb{Z} 47'32	0.62312 AU	inferior conj	7037 Apr 30 23:40	12° \mathbb{Z} 49'51	3°23'12
morning rise	7036 May 24 00:04	23° \mathbb{Z} 43'24		minimum elong	7037 May 01 00:39	12° \mathbb{Z} 47'00	3°23'04
desc. node	7036 May 30 09:01	21° \mathbb{Z} 15'13		min. Earth dist.	7037 May 03 06:50	10° \mathbb{Z} 10'03	0.64311 AU
direct	7036 May 30 18:58	21° \mathbb{Z} 14'41		morning rise	7037 May 06 20:55	6° \mathbb{Z} 36'30	
morning max el	7036 Jun 13 21:33	29° \mathbb{Z} 16'37	27°53'55	direct	7037 May 13 14:45	3° \mathbb{Z} 51'54	
	7036 Jun 14 14:37	0° \mathbb{I}		desc. node	7037 May 17 06:00	4° \mathbb{Z} 33'27	
	7036 Jul 06 02:33	0° \mathbb{G}		morning max el	7037 May 27 06:47	11° \mathbb{Z} 50'13	27°29'22
morning set	7036 Jul 17 18:07	21° \mathbb{G} 46'34			7037 Jun 10 17:08	0° \mathbb{I}	
	7036 Jul 21 16:58	0° Ω			7037 Jun 28 14:25	0° \mathbb{G}	
asc. node	7036 Jul 22 00:08	0° Ω 38'11		morning set	7037 Jul 01 10:49	5° \mathbb{G} 30'16	
max. Earth dist.	7036 Jul 23 06:16	3° Ω 19'42	1.32257 AU	max. Earth dist.	7037 Jul 06 05:51	15° \mathbb{G} 12'23	1.33171 AU

asc. node	7037 Jul 08 21:09	20°♄45'05		morning set	7038 Jun 14 16:08	18°♂37'46	
				max. Earth dist.	7038 Jun 18 19:13	26°♂36'58	1.34564 AU
superior conj	7037 Jul 09 12:35	22°♄07'11	0°06'36		7038 Jun 20 11:53	0°♄	
minimum elong	7037 Jul 09 12:15	22°♄05'25	0°06'28				
behind sun begin	7037 Jul 09 07:15	21°♄38'43		superior conj	7038 Jun 23 11:28	6°♄05'13	-0°23'02
behind sun end	7037 Jul 09 17:16	22°♄32'10		minimum elong	7038 Jun 23 12:45	6°♄11'50	0°22'50
	7037 Jul 13 04:39	0°♂		asc. node	7038 Jun 25 18:10	10°♄49'42	
evening rise	7037 Jul 16 15:25	7°♂22'51		evening rise	7038 Jul 01 00:47	21°♄53'15	
	7037 Jul 28 13:29	0°♄			7038 Jul 05 00:32	0°♂	
evening max el	7037 Aug 07 08:23	12°♄41'00	22°31'04	evening max el	7038 Jul 20 05:03	23°♂14'23	20°59'59
desc. node	7037 Aug 13 05:14	17°♄11'35		desc. node	7038 Jul 31 02:16	29°♂00'34	
retrograde	7037 Aug 20 09:52	19°♄11'20		retrograde	7038 Jul 31 22:31	29°♂02'19	
evening set	7037 Aug 23 17:14	18°♄47'19		evening set	7038 Aug 03 03:47	28°♂50'39	
min. Earth dist.	7037 Aug 31 15:28	15°♄18'31	0.55087 AU	inferior conj	7038 Aug 12 10:42	24°♂53'17	-3°33'39
inferior conj	7037 Sep 01 17:59	14°♄40'58	-4°57'23	minimum elong	7038 Aug 12 01:43	25°♂05'59	3°30'55
minimum elong	7037 Sep 01 10:32	14°♄51'32	4°56'05	min. Earth dist.	7038 Aug 13 00:55	24°♂33'12	0.54734 AU
morning rise	7037 Sep 10 05:41	10°♄52'16		morning rise	7038 Aug 20 23:59	20°♂56'34	
direct	7037 Sep 13 10:05	10°♄29'12		direct	7038 Aug 24 18:22	20°♂26'10	
morning max el	7037 Sep 24 21:20	15°♄51'00	21°09'04	morning max el	7038 Sep 06 16:07	26°♂35'21	22°48'22
asc. node	7037 Oct 04 20:31	28°♄49'43			7038 Sep 09 22:54	0°♄	
	7037 Oct 05 13:20	0°♄		asc. node	7038 Sep 21 17:31	17°♄37'29	
morning set	7037 Oct 14 17:27	17°♄35'24			7038 Sep 28 00:35	0°♄	
	7037 Oct 20 15:44	0°♄		morning set	7038 Sep 29 04:22	2°♄25'34	
superior conj	7037 Oct 22 01:27	2°♄55'04	1°41'13	superior conj	7038 Oct 06 05:17	17°♄29'47	1°41'34
minimum elong	7037 Oct 22 02:12	2°♄58'55	1°41'15	minimum elong	7038 Oct 06 04:44	17°♄26'50	1°41'34
max. Earth dist.	7037 Oct 26 14:15	12°♄06'10	1.35433 AU	max. Earth dist.	7038 Oct 09 08:03	24°♄04'12	1.33861 AU
evening rise	7037 Oct 30 16:52	20°♄02'18			7038 Oct 12 05:30	0°♄	
	7037 Nov 05 04:37	0°♄		evening rise	7038 Oct 14 01:35	3°♄39'26	
desc. node	7037 Nov 09 04:19	6°♄47'08		desc. node	7038 Oct 27 01:22	26°♄54'58	
	7037 Nov 24 20:22	0°♄			7038 Oct 28 23:53	0°♄	
evening max el	7037 Dec 05 03:11	11°♄48'56	26°29'51	evening max el	7038 Nov 17 16:01	25°♄21'21	27°12'19
retrograde	7037 Dec 18 00:53	19°♄03'13			7038 Nov 23 09:38	0°♄	
evening set	7037 Dec 24 10:37	16°♄28'28		retrograde	7038 Dec 01 01:37	2°♄40'29	
min. Earth dist.	7037 Dec 28 13:40	12°♄13'53	0.66356 AU	evening set	7038 Dec 07 21:53	0°♄02'38	
inferior conj	7037 Dec 30 07:12	10°♄09'00	-0°30'56		7038 Dec 07 23:15	30°♄♂	
minimum elong	7037 Dec 30 08:03	10°♄06'27	0°30'30	min. Earth dist.	7038 Dec 11 19:01	26°♄22'33	0.64990 AU
asc. node	7037 Dec 31 19:48	8°♄21'05		inferior conj	7038 Dec 14 00:22	23°♄55'27	-1°34'23
morning rise	7038 Jan 05 06:15	4°♄24'58		minimum elong	7038 Dec 14 03:11	23°♄47'42	1°33'09
direct	7038 Jan 08 05:40	3°♄35'13		asc. node	7038 Dec 18 16:49	19°♄25'10	
morning max el	7038 Jan 14 19:36	7°♄08'47	18°29'15	morning rise	7038 Dec 20 09:46	18°♄24'34	
	7038 Jan 30 21:44	0°♄		direct	7038 Dec 23 00:50	17°♄48'06	
morning set	7038 Feb 04 01:34	6°♄36'33		morning max el	7038 Dec 29 11:30	21°♄12'39	18°00'16
desc. node	7038 Feb 05 03:34	8°♄19'47			7039 Jan 05 06:40	0°♄	
	7038 Feb 18 21:29	0°♄		morning set	7039 Jan 16 05:52	17°♄46'44	
				desc. node	7039 Jan 23 00:35	28°♄56'13	
superior conj	7038 Feb 19 23:35	1°♄42'15	-1°33'10		7039 Jan 23 16:16	0°♄	
minimum elong	7038 Feb 19 14:01	1°♄04'44	1°32'10				
max. Earth dist.	7038 Feb 20 08:13	2°♄16'03	1.45440 AU	superior conj	7039 Jan 30 08:59	10°♄45'54	-0°50'40
evening rise	7038 Mar 07 19:17	26°♄34'52		minimum elong	7039 Jan 30 02:58	10°♄21'57	0°49'48
	7038 Mar 09 23:05	0°♄		max. Earth dist.	7039 Feb 03 03:59	16°♄45'39	1.45188 AU
greatest brilliancy	7038 Mar 17 04:28	11°♄24'00	-0.8m		7039 Feb 11 15:39	0°♄	
asc. node	7038 Mar 29 18:58	28°♄56'02		evening rise	7039 Feb 15 13:46	6°♄03'40	
evening max el	7038 Mar 30 01:38	29°♄13'11	18°57'50	greatest brilliancy	7039 Mar 01 12:43	27°♄17'19	-0.6m
	7038 Mar 30 20:54	0°♄			7039 Mar 03 09:09	0°♄	
retrograde	7038 Apr 05 20:45	3°♄01'25		evening max el	7039 Mar 13 07:23	12°♄48'26	19°48'21
evening set	7038 Apr 09 05:33	1°♄55'44		asc. node	7039 Mar 16 16:00	15°♄40'35	
	7038 Apr 11 12:43	30°♄♂		retrograde	7039 Mar 20 18:38	17°♄07'08	
inferior conj	7038 Apr 14 18:50	26°♄11'23	3°26'31	evening set	7039 Mar 24 11:27	15°♄47'05	
minimum elong	7038 Apr 14 18:26	26°♄12'40	3°26'28	inferior conj	7039 Mar 29 20:45	9°♄48'04	3°16'10
min. Earth dist.	7038 Apr 16 10:26	24°♄06'35	0.65944 AU	minimum elong	7039 Mar 29 19:17	9°♄52'57	3°15'58
morning rise	7038 Apr 20 06:53	19°♄55'00		min. Earth dist.	7039 Mar 30 21:37	8°♄25'00	0.67151 AU
direct	7038 Apr 26 17:20	17°♄07'18		morning rise	7039 Apr 04 02:53	3°♄31'41	
desc. node	7038 May 04 03:00	19°♄58'27		direct	7039 Apr 10 01:59	0°♄51'58	
morning max el	7038 May 09 17:04	24°♄49'45	26°34'27	desc. node	7039 Apr 20 23:59	6°♄58'16	
	7038 May 14 09:23	0°♄		morning max el	7039 Apr 22 02:40	8°♄04'07	25°18'01
	7038 Jun 04 04:06	0°♄			7039 May 09 06:21	0°♄	




























































































































	7039 May 27 16:57	0°♂			7040 Apr 10 21:32	0°♂	
morning set	7039 May 28 05:45	0°♂57'28			7040 May 01 12:47	0°♂	
max. Earth dist.	7039 May 31 21:49	7°♂41'45	1.36394 AU	morning set	7040 May 08 22:08	12°♂14'08	
				max. Earth dist.	7040 May 12 17:34	18°♂51'59	1.38539 AU
superior conj	7039 Jun 07 01:10	19°♂32'34	-0°54'03		7040 May 18 20:18	0°♂	
minimum elong	7039 Jun 07 04:20	19°♂48'20	0°53'32				
	7039 Jun 12 05:43	0°♂		superior conj	7040 May 20 02:05	2°♂19'59	-1°24'18
asc. node	7039 Jun 12 15:12	0°♂48'17		minimum elong	7040 May 20 06:59	2°♂43'07	1°23'40
evening rise	7039 Jun 15 05:51	6°♂06'46		evening rise	7040 May 29 03:54	19°♂55'28	
	7039 Jun 28 18:19	0°♂		asc. node	7040 May 29 12:14	20°♂36'11	
evening max el	7039 Jul 02 14:30	4°♂27'51	19°46'05		7040 Jun 03 10:12	0°♂	
retrograde	7039 Jul 12 15:08	9°♂23'42		evening max el	7040 Jun 14 12:06	16°♂24'45	18°52'36
evening set	7039 Jul 14 12:00	9°♂14'10		retrograde	7040 Jun 22 22:34	20°♂34'18	
desc. node	7039 Jul 17 23:16	8°♂10'47		evening set	7040 Jun 24 22:54	20°♂21'00	
inferior conj	7039 Jul 23 09:27	5°♂12'02	-1°38'38	inferior conj	7040 Jul 03 01:48	16°♂03'09	0°13'48
minimum elong	7039 Jul 23 04:54	5°♂19'04	1°36'59	minimum elong	7040 Jul 03 02:21	16°♂02'11	0°13'32
min. Earth dist.	7039 Jul 25 13:02	3°♂52'23	0.55342 AU	transit middle	7040 Jul 03 02:21	16°♂02'11	0°13'32
morning rise	7039 Jul 31 19:43	0°♂47'04		transit begin	7040 Jul 03 00:20	16°♂05'47	
direct	7039 Aug 05 08:29	0°♂01'41		transit end	7040 Jul 03 04:22	15°♂58'35	
morning max el	7039 Aug 19 05:27	6°♂54'49	24°33'30	desc. node	7040 Jul 03 20:18	15°♂29'55	
	7039 Sep 04 22:13	0°♂		min. Earth dist.	7040 Jul 06 04:53	13°♂49'41	0.56798 AU
asc. node	7039 Sep 08 14:33	6°♂54'06		morning rise	7040 Jul 11 02:24	11°♂01'35	
morning set	7039 Sep 13 16:07	17°♂16'15		direct	7040 Jul 16 12:32	9°♂50'51	
	7039 Sep 19 12:51	0°♂		morning max el	7040 Jul 30 19:48	17°♂16'40	26°08'34
					7040 Aug 10 07:43	0°♂	
superior conj	7039 Sep 20 13:51	2°♂16'39	1°35'42	asc. node	7040 Aug 25 11:35	26°♂31'51	
minimum elong	7039 Sep 20 12:19	2°♂08'15	1°35'35		7040 Aug 27 03:48	0°♂	
max. Earth dist.	7039 Sep 22 09:57	6°♂16'09	1.32716 AU	morning set	7040 Aug 28 03:05	2°♂02'46	
evening rise	7039 Sep 27 20:54	17°♂45'23					
	7039 Oct 04 03:53	0°♂		superior conj	7040 Sep 04 01:01	17°♂08'56	1°24'21
desc. node	7039 Oct 13 22:25	16°♂37'24		minimum elong	7040 Sep 03 22:53	16°♂57'12	1°24'05
	7039 Oct 23 10:46	0°♂		max. Earth dist.	7040 Sep 04 17:54	18°♂42'08	1.32014 AU
evening max el	7039 Oct 31 03:05	8°♂30'12	27°28'18		7040 Sep 09 22:45	0°♂	
retrograde	7039 Nov 13 20:00	15°♂47'45		evening rise	7040 Sep 10 23:47	2°♂11'48	
evening set	7039 Nov 20 22:30	13°♂15'35			7040 Sep 26 01:02	0°♂	
min. Earth dist.	7039 Nov 24 15:13	10°♂06'44	0.63294 AU	desc. node	7040 Sep 29 19:27	5°♂44'17	
inferior conj	7039 Nov 27 07:56	7°♂26'01	-2°41'18	evening max el	7040 Oct 12 10:18	21°♂03'41	27°12'31
minimum elong	7039 Nov 27 12:52	7°♂13'44	2°39'23	retrograde	7040 Oct 26 07:07	28°♂15'50	
morning rise	7039 Dec 04 05:04	2°♂11'17		evening set	7040 Nov 02 08:51	26°♂00'25	
asc. node	7039 Dec 05 13:52	1°♂49'16		min. Earth dist.	7040 Nov 06 01:02	23°♂15'13	0.61343 AU
direct	7039 Dec 06 14:08	1°♂44'19		inferior conj	7040 Nov 09 02:47	20°♂33'13	-3°47'35
morning max el	7039 Dec 13 04:45	5°♂09'10	17°48'38	minimum elong	7040 Nov 09 09:24	20°♂18'38	3°45'29
morning set	7039 Dec 29 11:54	0°♂11'21		morning rise	7040 Nov 16 12:06	15°♂37'42	
	7039 Dec 29 09:18	0°♂		direct	7040 Nov 18 18:14	15°♂16'36	
desc. node	7040 Jan 09 21:36	19°♂39'11		asc. node	7040 Nov 21 10:55	15°♂47'57	
				morning max el	7040 Nov 25 20:07	18°♂50'12	17°55'15
superior conj	7040 Jan 10 15:23	20°♂52'48	-0°05'21		7040 Dec 03 22:37	0°♂	
minimum elong	7040 Jan 10 14:49	20°♂50'28	0°05'12	morning set	7040 Dec 11 13:07	13°♂30'45	
behind sun begin	7040 Jan 10 05:49	20°♂13'11			7040 Dec 20 16:54	0°♂	
behind sun end	7040 Jan 10 23:50	21°♂27'41					
	7040 Jan 16 05:52	0°♂		superior conj	7040 Dec 21 23:48	2°♂14'58	0°34'25
max. Earth dist.	7040 Jan 16 21:36	1°♂03'00	1.44228 AU	minimum elong	7040 Dec 22 02:36	2°♂27'05	0°34'04
evening rise	7040 Jan 26 00:32	15°♂20'59		desc. node	7040 Dec 26 18:38	10°♂25'24	
	7040 Feb 04 16:45	0°♂		max. Earth dist.	7040 Dec 29 11:18	14°♂53'58	1.42678 AU
evening max el	7040 Feb 24 07:43	26°♂24'59	20°52'47	evening rise	7041 Jan 04 19:15	25°♂05'43	
	7040 Feb 28 14:21	0°♂			7041 Jan 07 22:37	0°♂	
asc. node	7040 Mar 02 13:03	1°♂14'22			7041 Jan 28 15:47	0°♂	
retrograde	7040 Mar 03 17:04	1°♂21'30		evening max el	7041 Feb 06 02:58	10°♂04'00	22°07'22
evening set	7040 Mar 07 19:08	29°♂46'36		retrograde	7041 Feb 15 14:12	15°♂41'02	
	7040 Mar 07 12:01	30°♂		asc. node	7041 Feb 17 10:06	15°♂23'44	
inferior conj	7040 Mar 13 02:52	23°♂35'24	2°54'41	evening set	7041 Feb 20 02:58	13°♂50'56	
minimum elong	7040 Mar 13 00:45	23°♂42'40	2°54'16	inferior conj	7041 Feb 25 11:03	7°♂30'30	2°23'47
min. Earth dist.	7040 Mar 13 14:17	22°♂55'58	0.67926 AU	minimum elong	7041 Feb 25 08:44	7°♂38'33	2°23'09
morning rise	7040 Mar 18 06:09	17°♂21'02		min. Earth dist.	7041 Feb 25 10:10	7°♂33'33	0.68282 AU
direct	7040 Mar 23 15:48	14°♂57'26		morning rise	7041 Mar 02 14:19	1°♂19'45	
morning max el	7040 Apr 03 11:33	21°♂25'15	23°50'11		7041 Mar 04 12:49	30°♂	
desc. node	7040 Apr 06 21:00	25°♂06'24		direct	7041 Mar 07 09:45	29°♂17'11	

	7041 Mar 10 11:43	0° H		minimum elong	7042 Feb 09 17:17	21° \approx 36'48	1°43'46
morning max el	7041 Mar 16 22:24	4° H 53'26	22°21'00	min. Earth dist.	7042 Feb 09 06:54	22° \approx 12'26	0.68228 AU
desc. node	7041 Mar 24 18:02	14° H 04'01		morning rise	7042 Feb 15 01:09	15° \approx 24'09	
	7041 Apr 05 03:29	0° Y		direct	7042 Feb 19 06:37	13° \approx 44'20	
morning set	7041 Apr 19 11:52	22° Y 14'29		morning max el	7042 Feb 27 14:57	18° \approx 32'18	20°58'44
	7041 Apr 24 04:24	0° B			7042 Mar 09 00:31	0° H	
max. Earth dist.	7041 Apr 24 14:36	0° B 42'59	1.40770 AU	desc. node	7042 Mar 11 15:02	3° H 37'05	
					7042 Mar 29 06:51	0° Y	
superior conj	7041 May 02 09:54	14° B 17'34	-1°50'23	morning set	7042 Mar 29 22:39	1° Y 01'40	
minimum elong	7041 May 02 15:21	14° B 42'00	1°49'55	max. Earth dist.	7042 Apr 06 18:34	13° Y 31'23	1.42784 AU
	7041 May 10 22:48	0° II					
evening rise	7041 May 12 15:37	3° II 11'23		superior conj	7042 Apr 13 19:48	25° Y 14'45	-2°07'27
asc. node	7041 May 16 09:16	10° II 08'51		minimum elong	7042 Apr 13 23:05	25° Y 28'41	2°07'21
evening max el	7041 May 28 18:31	28° II 58'00	18°19'29		7042 Apr 16 14:28	0° B	
	7041 May 29 21:45	0° B		evening rise	7042 Apr 25 12:54	15° B 45'21	
retrograde	7041 Jun 05 01:06	2° B 36'09		asc. node	7042 May 03 06:18	29° B 20'57	
evening set	7041 Jun 07 08:38	2° B 14'57			7042 May 03 15:36	0° II	
	7041 Jun 11 15:11	30° K II		evening max el	7042 May 12 06:00	11° II 58'27	18°06'08
inferior conj	7041 Jun 14 15:48	27° II 36'39	1°41'52	retrograde	7042 May 18 20:40	15° II 21'33	
minimum elong	7041 Jun 14 18:47	27° II 30'22	1°40'52	evening set	7042 May 21 11:25	14° II 49'46	
min. Earth dist.	7041 Jun 18 01:48	24° II 46'10	0.58819 AU	inferior conj	7042 May 28 01:49	9° II 50'58	2°40'37
desc. node	7041 Jun 20 17:21	22° II 50'54		minimum elong	7042 May 28 04:49	9° II 43'40	2°39'51
morning rise	7041 Jun 22 01:48	22° II 02'34		min. Earth dist.	7042 May 31 06:08	6° II 47'06	0.61050 AU
direct	7041 Jun 28 06:27	20° II 19'52		morning rise	7042 Jun 03 19:59	3° II 54'08	
morning max el	7041 Jul 12 15:37	28° II 06'17	27°18'04	desc. node	7042 Jun 07 14:22	2° II 05'26	
	7041 Jul 14 12:00	0° B		direct	7042 Jun 10 11:55	1° II 40'24	
	7041 Aug 04 00:29	0° O		morning max el	7042 Jun 24 18:15	9° II 38'45	27°51'58
morning set	7041 Aug 12 11:33	16° O 39'17			7042 Jul 10 11:52	0° B	
asc. node	7041 Aug 12 08:36	16° O 23'48			7042 Jul 27 03:53	0° O	
	7041 Aug 18 15:14	0° H		morning set	7042 Jul 27 15:43	1° O 00'48	
max. Earth dist.	7041 Aug 19 04:32	1° H 13'39	1.31757 AU	asc. node	7042 Jul 30 05:36	6° O 25'02	
				max. Earth dist.	7042 Aug 02 14:03	13° O 39'29	1.31945 AU
superior conj	7041 Aug 19 12:49	1° H 59'34	1°08'03				
minimum elong	7041 Aug 19 10:34	1° H 47'03	1°07'39	superior conj	7042 Aug 03 23:33	16° O 43'19	0°47'14
evening rise	7041 Aug 26 07:40	16° H 50'14		minimum elong	7042 Aug 03 21:39	16° O 32'49	0°46'49
	7041 Sep 01 19:46	0° B			7042 Aug 10 00:53	0° H	
desc. node	7041 Sep 16 16:30	24° B 00'40		evening rise	7042 Aug 10 18:27	1° H 34'16	
	7041 Sep 21 16:08	0° H			7042 Aug 26 02:22	0° B	
evening max el	7041 Sep 24 10:52	2° H 49'44	26°22'58	desc. node	7042 Sep 03 13:32	11° B 06'25	
retrograde	7041 Oct 08 09:11	9° H 55'59		evening max el	7042 Sep 06 03:23	13° B 45'18	25°03'54
evening set	7041 Oct 15 00:11	8° H 08'24		retrograde	7042 Sep 20 00:33	20° B 45'53	
min. Earth dist.	7041 Oct 19 00:15	5° H 33'48	0.59268 AU	evening set	7042 Sep 25 15:52	19° B 33'45	
inferior conj	7041 Oct 22 05:19	3° H 06'24	-4°45'45	min. Earth dist.	7042 Sep 30 14:46	16° B 51'38	0.57282 AU
minimum elong	7041 Oct 22 11:53	2° H 53'48	4°44'22	inferior conj	7042 Oct 03 12:22	14° B 56'04	-5°23'06
	7041 Oct 26 16:27	30° K B		minimum elong	7042 Oct 03 15:27	14° B 50'55	5°22'51
morning rise	7041 Oct 30 01:47	28° B 33'00		morning rise	7042 Oct 11 17:18	10° B 45'46	
direct	7041 Nov 01 08:49	28° B 14'37		direct	7042 Oct 14 05:36	10° B 27'29	
	7041 Nov 06 16:36	0° H		morning max el	7042 Oct 23 07:04	14° B 45'21	19°09'23
asc. node	7041 Nov 08 07:58	1° H 14'59		asc. node	7042 Oct 26 05:00	17° B 56'41	
morning max el	7041 Nov 09 06:03	2° H 05'28	18°21'36		7042 Nov 02 23:41	0° H	
morning set	7041 Nov 25 03:44	27° H 27'07		morning set	7042 Nov 09 03:32	11° H 48'34	
	7041 Nov 26 11:43	0° K					
superior conj	7041 Dec 04 07:21	14° K 43'07	1°04'58	superior conj	7042 Nov 17 08:55	28° H 03'12	1°25'50
minimum elong	7041 Dec 04 10:57	14° K 59'42	1°04'34	minimum elong	7042 Nov 17 11:49	28° H 17'12	1°25'38
max. Earth dist.	7041 Dec 11 20:24	28° K 06'39	1.40713 AU	max. Earth dist.	7042 Nov 18 09:13	0° K	
	7041 Dec 12 22:58	0° B		evening rise	7042 Nov 24 02:05	10° K 37'01	1.38567 AU
desc. node	7041 Dec 13 15:40	1° B 10'37		desc. node	7042 Nov 27 20:41	17° K 18'02	
evening rise	7041 Dec 16 08:49	5° B 42'07			7042 Nov 30 12:40	21° K 51'27	
	7042 Jan 01 02:58	0° \approx			7042 Dec 05 11:43	0° B	
evening max el	7042 Jan 19 18:19	23° \approx 45'38	23°27'04	evening max el	7042 Dec 26 13:50	0° \approx	
	7042 Jan 29 20:32	0° H		retrograde	7043 Jan 02 07:30	7° \approx 30'02	24°45'36
retrograde	7042 Jan 30 08:32	0° H 01'07		evening set	7043 Jan 13 23:01	14° \approx 17'12	
	7042 Jan 30 20:22	30° K \approx		asc. node	7043 Jan 19 12:44	11° \approx 57'57	
evening set	7042 Feb 04 09:21	27° \approx 55'52		min. Earth dist.	7043 Jan 22 04:13	9° \approx 14'16	
asc. node	7042 Feb 04 07:10	28° \approx 00'28		inferior conj	7043 Jan 24 02:15	6° \approx 48'46	0.67788 AU
inferior conj	7042 Feb 09 19:21	21° \approx 29'43	1°44'27	minimum elong	7043 Jan 25 01:57	5° \approx 30'16	0°57'22
					7043 Jan 25 00:38	5° \approx 34'40	0°56'53

	7043 Jan 29 21:46	30° κ 3		minimum elong	7044 Jan 09 04:58	19° ζ 29'40	0°03'13
morning rise	7043 Jan 30 12:43	29° ζ 31'27		transit middle	7044 Jan 09 04:58	19° ζ 29'40	0°03'13
direct	7043 Feb 03 05:12	28° ζ 13'29		transit begin	7044 Jan 09 02:11	19° ζ 38'24	
	7043 Feb 07 20:45	0° \approx		transit end	7044 Jan 09 07:44	19° ζ 20'57	
morning max el	7043 Feb 10 15:20	2° \approx 23'18	19°48'36	asc. node	7044 Jan 09 01:15	19° ζ 41'19	
greatest brilliancy	7043 Feb 23 13:16	19° \approx 13'41	-0.6m	morning rise	7044 Jan 14 23:01	13° ζ 39'17	
desc. node	7043 Feb 26 12:01	23° \approx 35'44		direct	7044 Jan 18 04:02	12° ζ 40'23	
	7043 Mar 02 17:59	0° X		morning max el	7044 Jan 24 23:22	16° ζ 24'12	18°53'33
morning set	7043 Mar 08 19:32	9° X 16'47			7044 Feb 04 08:11	0° \approx	
max. Earth dist.	7043 Mar 20 05:40	27° X 08'13	1.44331 AU	desc. node	7044 Feb 13 09:00	13° \approx 53'19	
	7043 Mar 22 00:45	0° Υ		morning set	7044 Feb 16 03:14	18° \approx 11'40	
					7044 Feb 23 16:38	0° X	
superior conj	7043 Mar 25 04:32	5° Υ 04'58	-2°09'33	max. Earth dist.	7044 Mar 01 21:59	11° X 18'18	1.45241 AU
minimum elong	7043 Mar 25 02:00	4° Υ 54'43	2°09'30				
evening rise	7043 Apr 07 15:06	27° Υ 26'48		superior conj	7044 Mar 03 15:49	14° X 02'37	-1°52'01
	7043 Apr 09 03:06	0° B		minimum elong	7044 Mar 03 07:13	13° X 28'46	1°51'21
asc. node	7043 Apr 20 03:20	18° B 04'51			7044 Mar 13 16:59	0° Υ	
evening max el	7043 Apr 25 19:07	25° B 16'21	18°11'54	evening rise	7044 Mar 18 18:31	8° Υ 10'16	
retrograde	7043 May 02 04:35	28° B 39'15			7044 Apr 01 11:36	0° B	
evening set	7043 May 05 02:08	27° B 55'12		asc. node	7044 Apr 06 00:23	6° B 11'52	
inferior conj	7043 May 11 03:51	22° B 37'31	3°13'40	evening max el	7044 Apr 08 07:07	8° B 45'13	18°36'03
minimum elong	7043 May 11 05:40	22° B 32'32	3°13'22	retrograde	7044 Apr 14 20:27	12° B 20'51	
min. Earth dist.	7043 May 13 19:36	19° B 43'24	0.63196 AU	evening set	7044 Apr 18 00:56	11° B 23'27	
morning rise	7043 May 17 07:51	16° B 27'46		inferior conj	7044 Apr 23 17:50	5° B 48'33	3°26'27
direct	7043 May 24 02:57	13° B 50'57		minimum elong	7044 Apr 23 18:11	5° B 47'27	3°26'24
desc. node	7043 May 25 11:23	13° B 56'40		min. Earth dist.	7044 Apr 25 18:25	3° B 22'06	0.65056 AU
morning max el	7043 Jun 07 02:01	21° B 52'59	27°47'45		7044 Apr 28 22:31	30° κ Υ	
	7043 Jun 14 04:15	0° II		morning rise	7044 Apr 29 10:43	29° Υ 33'09	
	7043 Jul 03 15:52	0° E		direct	7044 May 06 01:59	26° Υ 45'28	
morning set	7043 Jul 11 13:21	15° E 00'11		desc. node	7044 May 11 08:24	28° Υ 12'44	
max. Earth dist.	7043 Jul 16 18:22	25° E 46'44	1.32588 AU		7044 May 14 04:46	0° B	
asc. node	7043 Jul 17 02:36	26° E 30'35		morning max el	7044 May 19 12:08	4° B 39'38	27°09'06
	7043 Jul 18 17:39	0° Ω			7044 Jun 07 17:35	0° II	
				morning set	7044 Jun 24 01:38	28° II 29'36	
superior conj	7043 Jul 19 07:21	1° Ω 13'55	0°22'25		7044 Jun 24 20:14	0° E	
minimum elong	7043 Jul 19 06:18	1° Ω 08'14	0°22'09	max. Earth dist.	7044 Jun 28 13:40	7° E 26'14	1.33705 AU
evening rise	7043 Jul 26 06:09	16° Ω 17'15					
	7043 Aug 02 00:35	0° H		superior conj	7044 Jul 02 10:10	15° E 25'51	-0°05'44
evening max el	7043 Aug 18 15:01	24° H 05'38	23°27'36	minimum elong	7044 Jul 02 10:29	15° E 27'28	0°05'44
desc. node	7043 Aug 21 10:34	26° H 34'01		behind sun begin	7044 Jul 02 05:14	14° E 59'49	
	7043 Aug 27 08:39	0° $\underline{\Omega}$		behind sun end	7044 Jul 02 15:44	15° E 55'09	
retrograde	7043 Sep 01 04:03	0° $\underline{\Omega}$ 52'49		asc. node	7044 Jul 02 23:36	16° E 36'42	
evening set	7043 Sep 05 08:04	0° $\underline{\Omega}$ 14'46			7044 Jul 09 06:44	0° Ω	
	7043 Sep 06 02:28	30° κ H		evening rise	7044 Jul 09 16:56	0° Ω 53'46	
min. Earth dist.	7043 Sep 12 00:39	27° H 06'50	0.55686 AU		7044 Jul 26 07:38	0° H	
inferior conj	7043 Sep 13 23:16	25° H 57'56	-5°21'52	evening max el	7044 Jul 30 06:10	4° H 25'07	21°50'37
minimum elong	7043 Sep 13 19:30	26° H 03'31	5°21'33	desc. node	7044 Aug 07 07:36	9° H 51'14	
morning rise	7043 Sep 22 09:14	22° H 05'15		retrograde	7044 Aug 11 20:12	10° H 39'39	
direct	7043 Sep 25 06:37	21° H 44'50		evening set	7044 Aug 14 14:02	10° H 22'46	
morning max el	7043 Oct 05 20:18	26° H 40'54	20°19'29	inferior conj	7044 Aug 23 19:21	6° H 21'48	-4°27'37
	7043 Oct 08 22:53	0° $\underline{\Omega}$		minimum elong	7044 Aug 23 10:20	6° H 34'25	4°25'30
asc. node	7043 Oct 13 02:00	5° $\underline{\Omega}$ 37'33		min. Earth dist.	7044 Aug 23 09:53	6° H 35'03	0.54815 AU
morning set	7043 Oct 24 09:26	26° $\underline{\Omega}$ 26'06		morning rise	7044 Sep 01 07:58	2° H 31'55	
	7043 Oct 26 03:04	0° M		direct	7044 Sep 04 17:42	2° H 06'25	
				morning max el	7044 Sep 16 21:01	7° H 49'05	21°49'51
superior conj	7043 Oct 31 23:38	12° M 01'04	1°37'52	asc. node	7044 Sep 28 23:00	24° H 04'11	
minimum elong	7043 Nov 01 01:12	12° M 08'59	1°37'50		7044 Oct 02 05:10	0° $\underline{\Omega}$	
max. Earth dist.	7043 Nov 06 08:35	22° M 36'27	1.36492 AU	morning set	7044 Oct 07 19:03	11° $\underline{\Omega}$ 12'57	
evening rise	7043 Nov 10 05:02	29° M 49'04					
	7043 Nov 10 07:26	0° X		superior conj	7044 Oct 14 23:33	26° $\underline{\Omega}$ 24'48	1°42'11
desc. node	7043 Nov 17 09:41	12° X 23'51		minimum elong	7044 Oct 14 23:43	26° $\underline{\Omega}$ 25'40	1°42'12
	7043 Nov 28 17:00	0° ζ			7044 Oct 16 16:50	0° M	
evening max el	7043 Dec 15 20:18	21° ζ 15'42	25°56'01	max. Earth dist.	7044 Oct 18 21:17	4° M 28'33	1.34705 AU
retrograde	7043 Dec 28 08:51	28° ζ 24'06		evening rise	7044 Oct 23 06:00	13° M 05'11	
evening set	7044 Jan 03 11:28	25° ζ 53'39			7044 Nov 01 15:38	0° X	
min. Earth dist.	7044 Jan 07 18:03	21° ζ 19'04	0.66976 AU	desc. node	7044 Nov 03 06:43	2° X 42'19	
inferior conj	7044 Jan 09 05:03	19° ζ 29'24	0°03'12		7044 Nov 22 17:01	0° ζ	

evening max el	7044 Nov 27 09:22	4° S 56'01	26°50'54	evening max el	7045 Nov 09 21:57	18° S 20'56	27°22'51
retrograde	7044 Dec 10 13:10	12° S 14'05		retrograde	7045 Nov 23 11:12	25° S 39'28	
evening set	7044 Dec 17 03:35	9° S 37'17		evening set	7045 Nov 30 10:40	23° S 03'14	
min. Earth dist.	7044 Dec 21 04:00	5° S 37'19	0.65807 AU	min. Earth dist.	7045 Dec 04 05:48	19° S 36'45	0.64303 AU
inferior conj	7044 Dec 23 02:31	3° S 22'05	-0°57'17	inferior conj	7045 Dec 06 15:59	17° S 02'56	-2°02'32
minimum elong	7044 Dec 23 04:09	3° S 17'19	0°56'30	minimum elong	7045 Dec 06 19:41	16° S 53'05	2°00'57
asc. node	7044 Dec 25 22:18	0° S 15'52		asc. node	7045 Dec 12 19:20	11° S 50'34	
	7044 Dec 26 04:48	30° R 27		morning rise	7045 Dec 13 06:12	11° S 38'11	
morning rise	7044 Dec 29 05:44	27° S 43'07		direct	7045 Dec 15 18:27	11° S 06'07	
direct	7045 Jan 01 01:15	26° S 59'34		morning max el	7045 Dec 22 05:51	14° S 29'48	17°53'09
	7045 Jan 07 01:14	0° S			7046 Jan 02 04:08	0° S	
morning max el	7045 Jan 07 13:05	0° S 28'31	18°14'50	morning set	7046 Jan 08 06:33	10° S 15'55	
morning set	7045 Jan 26 14:29	28° S 31'17		desc. node	7046 Jan 17 03:01	25° S 03'40	
	7045 Jan 27 12:27	0° \approx			7046 Jan 20 03:37	0° \approx	
desc. node	7045 Jan 30 05:59	4° \approx 24'00		superior conj	7046 Jan 21 13:01	2° \approx 15'03	-0°31'11
superior conj	7045 Feb 10 20:07	22° \approx 48'24	-1°16'14	minimum elong	7046 Jan 21 09:24	2° \approx 00'30	0°30'36
minimum elong	7045 Feb 10 11:24	22° \approx 14'12	1°15'09	max. Earth dist.	7046 Jan 26 12:32	10° \approx 12'18	1.44868 AU
max. Earth dist.	7045 Feb 12 17:08	25° \approx 44'59	1.45425 AU	evening rise	7046 Feb 06 12:36	27° \approx 20'05	
	7045 Feb 15 10:18	0° H			7046 Feb 08 06:19	0° H	
evening rise	7045 Feb 26 23:11	18° H 00'23		greatest brilliancy	7046 Feb 21 03:10	19° H 20'47	-0.6m
	7045 Mar 06 15:53	0° Y			7046 Feb 28 18:19	0° Y	
greatest brilliancy	7045 Mar 10 12:06	5° Y 54'37	-0.7m	evening max el	7046 Mar 05 19:20	5° Y 56'00	20°14'14
evening max el	7045 Mar 22 15:42	22° Y 19'27	19°17'28	asc. node	7046 Mar 10 18:30	9° Y 47'10	
asc. node	7045 Mar 23 21:26	23° Y 30'28		retrograde	7046 Mar 13 15:08	10° Y 29'32	
retrograde	7045 Mar 29 16:52	26° Y 19'19		evening set	7046 Mar 17 11:50	9° Y 03'06	
evening set	7045 Apr 02 04:55	25° Y 07'42		inferior conj	7046 Mar 22 20:13	2° Y 58'44	3°08'16
inferior conj	7045 Apr 07 16:14	19° Y 17'07	3°23'34	minimum elong	7046 Mar 22 18:25	3° Y 04'48	3°07'59
minimum elong	7045 Apr 07 15:20	19° Y 20'02	3°23'29	min. Earth dist.	7046 Mar 23 15:11	1° Y 54'19	0.67544 AU
min. Earth dist.	7045 Apr 09 01:30	17° Y 29'19	0.66520 AU		7046 Mar 25 01:49	30° R 27	
morning rise	7045 Apr 13 01:22	13° Y 00'29		morning rise	7046 Mar 28 00:48	26° H 43'15	
direct	7045 Apr 19 07:32	10° Y 14'39		direct	7046 Apr 02 18:27	24° H 09'36	
desc. node	7045 Apr 28 05:24	14° Y 21'36			7046 Apr 13 05:20	0° Y	
morning max el	7045 May 01 22:03	17° Y 46'02	26°03'47	morning max el	7046 Apr 14 07:03	1° Y 03'24	24°41'21
	7045 May 12 04:00	0° B		desc. node	7046 Apr 15 02:25	1° Y 53'19	
	7045 May 31 17:00	0° II			7046 May 06 03:28	0° B	
morning set	7045 Jun 07 00:53	11° II 18'34		morning set	7046 May 20 06:11	23° B 13'12	
max. Earth dist.	7045 Jun 10 21:54	18° II 38'44	1.35293 AU	max. Earth dist.	7046 May 23 21:01	29° B 42'51	1.37287 AU
					7046 May 24 00:46	0° II	
superior conj	7045 Jun 16 05:34	29° II 12'17	-0°36'08	superior conj	7046 May 30 14:22	12° II 24'15	-1°07'08
minimum elong	7045 Jun 16 07:38	29° II 22'47	0°35'48	minimum elong	7046 May 30 18:20	12° II 43'34	1°06'33
	7045 Jun 16 14:57	0° S		asc. node	7046 Jun 06 17:41	26° II 34'15	
asc. node	7045 Jun 19 20:39	6° S 39'29		evening rise	7046 Jun 08 03:15	29° II 22'12	
evening rise	7045 Jun 24 00:46	15° S 17'55			7046 Jun 08 10:50	0° S	
	7045 Jul 01 13:32	0° Q		evening max el	7046 Jun 24 23:12	26° S 47'33	19°20'44
evening max el	7045 Jul 12 08:16	15° Q 15'08	20°26'12		7046 Jun 29 03:48	0° Q	
retrograde	7045 Jul 23 08:31	20° Q 40'27		retrograde	7046 Jul 04 06:24	1° Q 22'10	
evening set	7045 Jul 25 08:18	20° Q 30'35		evening set	7046 Jul 06 04:03	1° Q 11'30	
desc. node	7045 Jul 25 04:38	20° Q 32'01			7046 Jul 09 17:36	30° R 27	
inferior conj	7045 Aug 03 12:56	16° Q 33'23	-2°46'38	desc. node	7046 Jul 12 01:41	28° S 45'01	
minimum elong	7045 Aug 03 05:22	16° Q 44'21	2°44'03	inferior conj	7046 Jul 14 18:09	27° S 03'20	-0°48'51
min. Earth dist.	7045 Aug 04 20:28	15° Q 47'36	0.54877 AU	minimum elong	7046 Jul 14 15:59	27° S 06'53	0°48'05
morning rise	7045 Aug 12 01:39	12° Q 26'35		min. Earth dist.	7046 Jul 17 09:40	25° S 19'44	0.55876 AU
direct	7045 Aug 16 03:36	11° Q 50'42		morning rise	7046 Jul 23 01:09	22° S 23'26	
morning max el	7045 Aug 29 12:33	18° Q 19'45	23°33'14	direct	7046 Jul 27 23:04	21° S 28'35	
	7045 Sep 08 02:22	0° P		morning max el	7046 Aug 11 01:28	28° S 36'15	25°16'14
asc. node	7045 Sep 15 20:01	13° P 05'39			7046 Aug 12 11:17	0° Q	
morning set	7045 Sep 22 06:33	26° P 04'09			7046 Sep 01 10:09	0° P	
	7045 Sep 24 02:42	0° Q		asc. node	7046 Sep 02 17:02	2° P 32'12	
superior conj	7045 Sep 29 05:42	11° Q 05'46	1°39'47	morning set	7046 Sep 06 18:10	10° P 53'44	
minimum elong	7045 Sep 29 04:41	11° Q 00'17	1°39'45	superior conj	7046 Sep 13 15:35	25° P 55'28	1°31'31
max. Earth dist.	7045 Oct 01 18:48	16° Q 32'42	1.33320 AU	minimum elong	7046 Sep 13 13:45	25° P 45'21	1°31'20
evening rise	7045 Oct 06 19:42	26° Q 56'18		max. Earth dist.	7046 Sep 14 23:53	28° P 52'24	1.32366 AU
	7045 Oct 08 08:51	0° P			7046 Sep 15 12:16	0° Q	
desc. node	7045 Oct 21 03:46	22° P 40'35		evening rise	7046 Sep 20 18:34	11° Q 11'50	
	7045 Oct 25 22:54	0° S					

	7046 Sep 30 14:29	0°♍	evening rise	7047 Sep 04 23:51	25°♑43'56	
desc. node	7046 Oct 08 00:49	12°♍09'18		7047 Sep 07 01:05	0°♊	
	7046 Oct 22 00:32	0°♊		7047 Sep 24 05:49	0°♍	
evening max el	7046 Oct 23 07:47	1°♊16'13 27°25'41	desc. node	7047 Sep 24 21:51	0°♍56'43	
retrograde	7046 Nov 06 02:16	8°♊30'51	evening max el	7047 Oct 05 12:09	13°♍29'17 26°55'19	
evening set	7046 Nov 13 05:39	6°♊04'24	retrograde	7047 Oct 19 09:40	20°♍39'16	
min. Earth dist.	7046 Nov 16 21:31	3°♊06'59 0.62493 AU	evening set	7047 Oct 26 08:28	18°♍34'01	
inferior conj	7046 Nov 19 18:30	0°♊24'15 -3°09'50	min. Earth dist.	7047 Oct 30 02:26	15°♍55'36 0.60464 AU	
minimum elong	7046 Nov 20 00:16	0°♊10'37 3°07'45	inferior conj	7047 Nov 02 06:45	13°♍17'28 -4°13'54	
	7046 Nov 20 04:47	30°♑♍	minimum elong	7047 Nov 02 13:40	13°♍03'06 4°12'00	
morning rise	7046 Nov 26 20:49	25°♍17'15	morning rise	7047 Nov 09 21:06	8°♍31'29	
direct	7046 Nov 29 04:23	24°♍53'03	direct	7047 Nov 12 03:07	8°♍11'55	
asc. node	7046 Nov 29 16:22	24°♍54'12	asc. node	7047 Nov 16 13:26	9°♍31'35	
morning max el	7046 Dec 05 22:39	28°♍20'16 17°49'12	morning max el	7047 Nov 19 12:09	11°♍51'28 18°04'03	
	7046 Dec 07 11:41	0°♊		7047 Dec 01 13:52	0°♊	
morning set	7046 Dec 21 21:29	23°♊05'59	morning set	7047 Dec 05 04:54	6°♊42'12	
	7046 Dec 25 19:00	0°♋				
superior conj	7047 Jan 02 06:25	12°♋53'46 0°12'33	superior conj	7047 Dec 15 01:12	24°♊45'32 0°48'35	
minimum elong	7047 Jan 02 07:37	12°♋58'51 0°12'25	minimum elong	7047 Dec 15 04:36	25°♊00'38 0°48'10	
behind sun begin	7047 Jan 02 01:54	12°♋34'43		7047 Dec 18 00:45	0°♋	
behind sun end	7047 Jan 02 13:20	13°♋22'57	desc. node	7047 Dec 21 21:02	6°♋34'26	
desc. node	7047 Jan 04 00:03	15°♋48'24	max. Earth dist.	7047 Dec 22 16:40	7°♋56'45 1.41869 AU	
max. Earth dist.	7047 Jan 09 05:12	24°♋22'03 1.43632 AU	evening rise	7047 Dec 28 02:34	16°♋48'23	
	7047 Jan 12 17:40	0°♌		7048 Jan 05 14:00	0°♌	
evening rise	7047 Jan 17 00:55	6°♌44'44	evening max el	7048 Jan 27 11:07	0°♌	
	7047 Feb 01 13:47	0°♌	retrograde	7048 Jan 30 10:32	3°♌12'43 22°41'02	
evening max el	7047 Feb 16 17:23	19°♌33'38 21°23'30	asc. node	7048 Feb 09 09:28	9°♌07'27	
retrograde	7047 Feb 25 13:16	24°♌47'14	evening set	7048 Feb 12 12:36	8°♌17'23	
asc. node	7047 Feb 25 15:33	24°♌47'11	inferior conj	7048 Feb 14 03:12	7°♌10'43	
evening set	7047 Mar 01 19:48	23°♌05'37	minimum elong	7048 Feb 19 11:52	0°♌47'08 2°08'07	
inferior conj	7047 Mar 07 03:26	16°♌49'58 2°42'41	min. Earth dist.	7048 Feb 19 09:36	0°♌54'59 2°07'25	
minimum elong	7047 Mar 07 01:11	16°♌57'47 2°42'09		7048 Feb 19 05:57	1°♌07'40 0.68296 AU	
min. Earth dist.	7047 Mar 07 09:25	16°♌29'13 0.68127 AU	morning rise	7048 Feb 20 01:28	30°♑♌	
morning rise	7047 Mar 12 06:25	10°♌37'11	direct	7048 Feb 24 15:54	24°♌38'19	
direct	7047 Mar 17 09:59	8°♌22'23	morning max el	7048 Feb 29 05:11	22°♌45'36	
morning max el	7047 Mar 27 16:32	14°♌28'18 23°12'00		7048 Mar 09 05:29	28°♌01'00 21°44'53	
desc. node	7047 Apr 01 23:27	20°♌24'52	desc. node	7048 Mar 11 02:35	0°♌	
	7047 Apr 09 07:07	0°♍		7048 Mar 18 20:26	9°♌38'58	
	7047 Apr 29 02:03	0°♎	morning set	7048 Apr 01 22:16	0°♍	
morning set	7047 May 01 11:54	3°♎59'35	max. Earth dist.	7048 Apr 10 13:39	13°♍27'18	
max. Earth dist.	7047 May 05 17:03	11°♎10'19 1.39498 AU		7048 Apr 16 16:22	23°♍24'18 1.41663 AU	
				7048 Apr 20 14:26	0°♎	
superior conj	7047 May 13 08:39	24°♎52'29 -1°36'07	superior conj	7048 Apr 24 07:39	6°♎25'25 -1°59'04	
minimum elong	7047 May 13 14:01	25°♎17'16 1°35'30	minimum elong	7048 Apr 24 12:37	6°♎47'11 1°58'45	
	7047 May 16 02:32	0°♏	evening rise	7048 May 05 03:34	25°♎58'41	
evening rise	7047 May 22 21:27	12°♏59'10		7048 May 07 08:08	0°♏	
asc. node	7047 May 24 14:43	16°♏16'58	asc. node	7048 May 10 11:45	5°♏41'56	
	7047 Jun 01 05:46	0°♐	evening max el	7048 May 21 09:57	21°♏47'19 18°11'24	
evening max el	7047 Jun 08 00:58	9°♐01'11 18°35'55	retrograde	7048 May 28 08:33	25°♏17'18	
retrograde	7047 Jun 15 22:17	12°♐55'48	evening set	7048 May 30 19:04	24°♏52'02	
evening set	7047 Jun 18 01:25	12°♐39'38	inferior conj	7048 Jun 06 18:40	20°♏05'07 2°10'13	
inferior conj	7047 Jun 25 19:43	8°♐12'59 0°54'44	minimum elong	7048 Jun 06 21:53	19°♏57'54 2°09'14	
minimum elong	7047 Jun 25 21:39	8°♐09'14 0°53'58	min. Earth dist.	7048 Jun 10 03:33	17°♏05'35 0.59762 AU	
desc. node	7047 Jun 28 22:43	5°♐49'53	morning rise	7048 Jun 13 21:50	14°♏19'43	
min. Earth dist.	7047 Jun 29 03:25	5°♐41'17 0.57611 AU	desc. node	7048 Jun 14 19:45	13°♏49'08	
morning rise	7047 Jul 03 14:28	2°♐56'18	direct	7048 Jun 20 08:14	12°♏23'00	
direct	7047 Jul 09 08:52	1°♐32'42	morning max el	7048 Jul 04 16:58	20°♏16'24 27°37'02	
morning max el	7047 Jul 23 18:04	9°♐08'32 26°42'02		7048 Jul 13 01:21	0°♐	
	7047 Aug 08 14:02	0°♑		7048 Jul 31 10:17	0°♑	
asc. node	7047 Aug 20 14:04	22°♑16'52	morning set	7048 Aug 05 11:12	10°♑08'14	
morning set	7047 Aug 22 04:18	25°♑36'55	asc. node	7048 Aug 06 11:05	12°♑13'39	
	7047 Aug 24 05:26	0°♒	max. Earth dist.	7048 Aug 11 19:56	23°♑52'14 1.31779 AU	
superior conj	7047 Aug 29 03:14	10°♒47'44 1°18'00	superior conj	7048 Aug 12 14:50	25°♑36'39 0°59'44	
minimum elong	7047 Aug 29 01:00	10°♒35'20 1°17'40	minimum elong	7048 Aug 12 12:39	25°♑24'39 0°59'19	
max. Earth dist.	7047 Aug 29 09:27	11°♒22'07 1.31853 AU		7048 Aug 14 14:26	0°♒	

evening rise	7048 Aug 19 09:12	10°  25'43		minimum elong	7049 Jul 27 22:57	10°  07'17	0°36'48
	7048 Aug 29 07:59	0° 		evening rise	7049 Aug 03 20:37	25°  10'28	
desc. node	7048 Sep 10 18:52	18°  46'26			7049 Aug 06 03:33	0° 	
evening max el	7048 Sep 16 09:10	24°  53'30	25°52'21		7049 Aug 23 22:46	0° 	
	7048 Sep 23 04:24	0° 		desc. node	7049 Aug 28 15:55	5°  14'51	
retrograde	7048 Sep 30 07:57	1°  58'27		evening max el	7049 Aug 28 23:08	5°  32'20	24°24'11
evening set	7048 Oct 06 14:18	0°  25'25		retrograde	7049 Sep 11 18:22	12°  28'24	
	7048 Oct 07 10:19	30°  5		evening set	7049 Sep 16 19:23	11°  32'00	
min. Earth dist.	7048 Oct 10 21:46	27°  49'48	0.58388 AU	min. Earth dist.	7049 Sep 22 10:08	8°  40'43	0.56535 AU
inferior conj	7048 Oct 14 01:20	25°  33'40	-5°05'11	inferior conj	7049 Sep 24 23:43	7°  03'50	-5°28'27
minimum elong	7048 Oct 14 06:55	25°  23'33	5°04'18	minimum elong	7049 Sep 25 00:08	7°  03'10	5°28'25
morning rise	7048 Oct 22 01:51	21°  10'22		morning rise	7049 Oct 03 07:06	3°  01'44	
direct	7048 Oct 24 10:22	20°  52'29		direct	7049 Oct 05 22:48	2°  42'48	
morning max el	7048 Nov 01 18:49	24°  53'55	18°39'15	morning max el	7049 Oct 15 15:04	7°  16'06	19°36'25
asc. node	7048 Nov 02 10:28	25°  32'51		asc. node	7049 Oct 20 07:28	12°  41'51	
	7048 Nov 06 02:18	0° 			7049 Oct 30 10:12	0° 	
morning set	7048 Nov 17 23:53	20°  50'51		morning set	7049 Nov 02 02:38	5°  20'29	
	7048 Nov 22 16:55	0° 					
superior conj	7048 Nov 26 17:05	7°  38'11	1°14'57	superior conj	7049 Nov 10 00:48	21°  15'57	1°31'57
minimum elong	7048 Nov 26 20:32	7°  54'19	1°14'38	minimum elong	7049 Nov 10 03:10	21°  27'38	1°31'49
max. Earth dist.	7048 Dec 03 23:29	20°  49'31	1.39799 AU	max. Earth dist.	7049 Nov 14 13:23	0° 	
desc. node	7048 Dec 07 18:02	27°  18'42		evening rise	7049 Nov 16 04:57	3°  40'55	1.37666 AU
evening rise	7048 Dec 08 01:40	27°  50'52		desc. node	7049 Nov 19 22:44	9°  51'53	
	7048 Dec 09 08:34	0° 			7049 Nov 24 15:03	17°  56'43	
	7048 Dec 29 03:15	0° 			7049 Dec 02 02:39	0° 	
evening max el	7049 Jan 12 00:42	16°  55'52	24°01'07	evening max el	7049 Dec 24 20:54	0° 	
retrograde	7049 Jan 23 02:23	23°  26'28		retrograde	7049 Dec 25 13:46	0°  41'59	25°17'04
evening set	7049 Jan 28 08:28	21°  15'15		evening set	7050 Jan 06 14:51	7°  39'02	
asc. node	7049 Jan 29 09:39	20°  16'39		asc. node	7050 Jan 12 10:03	5°  14'54	
min. Earth dist.	7049 Feb 02 02:28	15°  46'04	0.68080 AU	min. Earth dist.	7050 Jan 16 06:43	1°  04'35	
inferior conj	7049 Feb 02 19:41	14°  47'44	1°25'25		7050 Jan 16 20:39	0°  20'12	0.67488 AU
minimum elong	7049 Feb 02 17:52	14°  53'53	1°24'47	inferior conj	7050 Jan 17 02:55	30°  5	
morning rise	7049 Feb 08 03:17	8°  44'34		minimum elong	7050 Jan 18 01:01	28°  48'12	0°35'13
direct	7049 Feb 12 03:02	7°  14'12		morning rise	7050 Jan 18 00:10	28°  50'59	0°34'56
morning max el	7049 Feb 20 01:09	11°  44'56	20°27'09	direct	7050 Jan 23 14:33	22°  52'37	
desc. node	7049 Mar 05 17:26	29°  24'08		morning max el	7050 Jan 27 02:02	21°  42'58	
	7049 Mar 06 03:19	0° 			7050 Feb 03 04:48	25°  40'04	19°23'12
morning set	7049 Mar 20 15:49	21°  52'33		greatest brilliancy	7050 Feb 07 00:23	0° 	
	7049 Mar 25 20:24	0° 		desc. node	7050 Feb 16 06:03	12°  57'41	-0.7m
max. Earth dist.	7049 Mar 29 22:51	6°  32'33	1.43509 AU		7050 Feb 20 14:25	19°  31'39	
					7050 Feb 27 10:08	0° 	
superior conj	7049 Apr 05 06:58	16°  54'12	-2°10'31	morning set	7050 Feb 27 14:14	0°  15'50	
minimum elong	7049 Apr 05 08:10	16°  59'14	2°10'32	max. Earth dist.	7050 Mar 12 12:37	20°  12'13	1.44805 AU
	7049 Apr 13 00:26	0° 					
evening rise	7049 Apr 17 17:13	8°  11'01		superior conj	7050 Mar 16 05:32	26°  19'02	-2°04'37
asc. node	7049 Apr 27 08:46	24°  43'07		minimum elong	7050 Mar 16 00:03	25°  57'08	2°04'23
	7049 Apr 30 20:33	0° 			7050 Mar 18 12:45	0° 	
evening max el	7049 May 04 22:33	4°  56'38	18°06'21	evening rise	7050 Mar 30 09:59	19°  57'53	
retrograde	7049 May 11 09:44	8°  17'38			7050 Apr 05 17:54	0° 	
evening set	7049 May 14 03:27	7°  40'48		asc. node	7050 Apr 14 05:49	13°  12'50	
inferior conj	7049 May 20 11:59	2°  34'04	2°57'24	evening max el	7050 Apr 18 11:35	18°  20'35	18°20'03
minimum elong	7049 May 20 14:34	2°  27'27	2°56'51	retrograde	7050 Apr 24 21:28	21°  47'04	
	7049 May 23 00:09	30°  5		evening set	7050 Apr 27 22:03	20°  57'16	
min. Earth dist.	7049 May 23 11:39	29°  31'35	0.61992 AU	inferior conj	7050 May 03 19:33	15°  32'02	3°21'14
morning rise	7049 May 26 23:50	26°  30'51		minimum elong	7050 May 03 20:45	15°  28'36	3°21'05
desc. node	7049 Jun 01 16:47	24°  09'07		min. Earth dist.	7050 May 06 04:56	12°  48'11	0.64031 AU
direct	7049 Jun 02 18:18	24°  05'39		morning rise	7050 May 09 18:27	9°  19'31	
	7049 Jun 14 16:14	0° 		direct	7050 May 16 12:48	6°  36'39	
morning max el	7049 Jun 16 21:51	2°  06'47	27°54'35	desc. node	7050 May 19 13:48	7°  05'42	
	7049 Jul 07 09:35	0° 		morning max el	7050 May 30 06:47	14°  36'02	27°35'13
morning set	7049 Jul 20 12:52	24°  21'23			7050 Jun 11 18:52	0° 	
	7049 Jul 23 06:08	0° 			7050 Jun 30 01:06	0° 	
asc. node	7049 Jul 24 08:03	2°  17'27		morning set	7050 Jul 04 06:57	8°  20'43	
max. Earth dist.	7049 Jul 26 03:33	6° 11'04	1.32161 AU	max. Earth dist.	7050 Jul 09 04:36	18° 08'42	1.33008 AU
				asc. node	7050 Jul 11 05:03	22° 24'18	
superior conj	7049 Jul 28 00:34	10° 16'04	0°37'11	superior conj	7050 Jul 12 06:34	24° 40'24	0°10'53

minimum elong	7050 Jul 12 06:02	24° ♄ 37'32	0°10'42	superior conj	7051 Jun 26 06:32	8° ♄ 42'09	-0°18'24
behind sun begin	7050 Jul 12 01:59	24° ♄ 15'54		minimum elong	7051 Jun 26 07:33	8° ♄ 47'24	0°18'16
behind sun end	7050 Jul 12 10:04	24° ♄ 59'11		asc. node	7051 Jun 28 02:04	12° ♄ 29'25	
	7050 Jul 14 17:58	0° ♄		evening rise	7051 Jul 03 18:01	24° ♄ 24'40	
evening rise	7050 Jul 19 08:14	9° ♄ 52'30			7051 Jul 06 11:13	0° ♄	
	7050 Jul 29 17:18	0° ♄		evening max el	7051 Jul 23 06:17	26° ♄ 17'38	21°12'35
evening max el	7050 Aug 10 11:18	15° ♄ 48'51	22°45'30		7051 Jul 27 21:43	0° ♄	
desc. node	7050 Aug 15 12:58	19° ♄ 52'05		desc. node	7051 Aug 02 10:01	2° ♄ 05'08	
retrograde	7050 Aug 23 16:06	22° ♄ 24'06		retrograde	7051 Aug 04 05:32	2° ♄ 13'07	
evening set	7050 Aug 27 04:46	21° ♄ 56'51		evening set	7051 Aug 06 13:26	2° ♄ 00'28	
min. Earth dist.	7050 Sep 03 19:09	18° ♄ 33'56	0.55221 AU		7051 Aug 12 05:21	30° ♄	
inferior conj	7050 Sep 05 03:18	17° ♄ 48'02	-5°05'36	inferior conj	7051 Aug 15 20:27	28° ♄ 02'28	-3°49'06
minimum elong	7050 Sep 04 20:41	17° ♄ 57'30	5°04'36	minimum elong	7051 Aug 15 11:14	28° ♄ 15'26	3°46'27
morning rise	7050 Sep 13 14:37	13° ♄ 58'56		min. Earth dist.	7051 Aug 16 04:29	27° ♄ 51'10	0.54725 AU
direct	7050 Sep 16 17:12	13° ♄ 36'38		morning rise	7051 Aug 24 09:40	24° ♄ 08'13	
morning max el	7050 Sep 27 22:47	18° ♄ 51'20	20°55'37	direct	7051 Aug 28 01:38	23° ♄ 39'20	
	7050 Oct 06 17:30	0° ♄		morning max el	7051 Sep 09 19:01	29° ♄ 41'41	22°32'55
asc. node	7050 Oct 07 04:29	0° ♄ 44'02			7051 Sep 10 02:47	0° ♄	
morning set	7050 Oct 17 10:26	20° ♄ 03'20		asc. node	7051 Sep 24 01:30	19° ♄ 26'37	
	7050 Oct 22 04:53	0° ♄			7051 Sep 29 12:38	0° ♄	
				morning set	7051 Oct 01 21:05	4° ♄ 52'57	
superior conj	7050 Oct 24 19:53	5° ♄ 26'20	1°40'34				
minimum elong	7050 Oct 24 20:50	5° ♄ 31'16	1°40'35	superior conj	7051 Oct 08 22:48	19° ♄ 58'43	1°41'56
max. Earth dist.	7050 Oct 29 13:59	15° ♄ 00'18	1.35699 AU	minimum elong	7051 Oct 08 22:26	19° ♄ 56'45	1°41'56
evening rise	7050 Nov 02 14:42	22° ♄ 43'35		max. Earth dist.	7051 Oct 12 06:24	26° ♄ 56'20	1.34065 AU
	7050 Nov 06 14:36	0° ♄			7051 Oct 13 18:13	0° ♄	
desc. node	7050 Nov 11 12:04	8° ♄ 24'01		evening rise	7051 Oct 16 21:32	6° ♄ 15'43	
	7050 Nov 25 20:27	0° ♄		desc. node	7051 Oct 29 09:07	28° ♄ 34'59	
evening max el	7050 Dec 08 02:47	14° ♄ 26'39	26°21'37		7051 Oct 30 06:12	0° ♄	
retrograde	7050 Dec 20 22:12	21° ♄ 39'37		evening max el	7051 Nov 20 15:40	28° ♄ 01'31	27°07'34
evening set	7050 Dec 27 06:12	19° ♄ 05'45			7051 Nov 22 19:59	0° ♄	
min. Earth dist.	7050 Dec 31 10:07	14° ♄ 46'06	0.66529 AU	retrograde	7051 Dec 03 23:59	5° ♄ 20'58	
inferior conj	7051 Jan 02 01:59	12° ♄ 44'56	-0°21'47	evening set	7051 Dec 10 18:51	2° ♄ 43'02	
minimum elong	7051 Jan 02 02:34	12° ♄ 43'08	0°21'27		7051 Dec 13 17:34	30° ♄	
asc. node	7051 Jan 03 03:46	11° ♄ 27'23		min. Earth dist.	7051 Dec 14 16:45	28° ♄ 57'57	0.65210 AU
morning rise	7051 Jan 07 23:39	6° ♄ 59'21		inferior conj	7051 Dec 16 20:23	26° ♄ 33'32	-1°24'30
direct	7051 Jan 11 00:29	6° ♄ 07'20		minimum elong	7051 Dec 16 22:52	26° ♄ 26'34	1°23'23
morning max el	7051 Jan 17 15:33	9° ♄ 43'06	18°35'02	asc. node	7051 Dec 21 00:49	22° ♄ 22'34	
	7051 Feb 01 04:32	0° ♄		morning rise	7051 Dec 23 04:08	21° ♄ 00'34	
morning set	7051 Feb 07 08:37	9° ♄ 44'18		direct	7051 Dec 25 20:15	20° ♄ 22'28	
desc. node	7051 Feb 07 11:24	9° ♄ 55'19		morning max el	7052 Jan 01 07:03	23° ♄ 47'55	18°03'32
	7051 Feb 20 05:40	0° ♄			7052 Jan 06 08:13	0° ♄	
				morning set	7052 Jan 19 08:38	20° ♄ 42'10	
superior conj	7051 Feb 23 11:21	5° ♄ 04'14	-1°38'39	desc. node	7052 Jan 25 08:24	0° ♄ 30'36	
minimum elong	7051 Feb 23 01:47	4° ♄ 26'45	1°37'42		7052 Jan 25 00:52	0° ♄	
max. Earth dist.	7051 Feb 23 07:02	4° ♄ 47'19	1.45410 AU				
evening rise	7051 Mar 11 03:20	29° ♄ 47'07		superior conj	7052 Feb 02 18:55	14° ♄ 02'21	-0°57'33
	7051 Mar 11 06:34	0° ♄		minimum elong	7052 Feb 02 12:05	13° ♄ 35'17	0°56'37
greatest brilliancy	7051 Mar 19 16:45	13° ♄ 23'39	-0.8m	max. Earth dist.	7052 Feb 06 02:39	19° ♄ 16'46	1.45271 AU
	7051 Mar 31 05:26	0° ♄			7052 Feb 12 23:24	0° ♄	
asc. node	7051 Apr 01 02:53	1° ♄ 00'39		evening rise	7052 Feb 19 00:12	9° ♄ 21'00	
evening max el	7051 Apr 01 22:19	1° ♄ 51'51	18°51'40	greatest brilliancy	7052 Mar 03 09:45	29° ♄ 49'22	-0.7m
retrograde	7051 Apr 08 15:44	5° ♄ 36'36			7052 Mar 03 12:36	0° ♄	
evening set	7051 Apr 11 23:23	4° ♄ 33'04		evening max el	7052 Mar 15 04:51	15° ♄ 27'02	19°39'51
	7051 Apr 16 15:12	30° ♄		asc. node	7052 Mar 17 23:57	17° ♄ 54'52	
inferior conj	7051 Apr 17 13:29	28° ♄ 51'01	3°26'56	retrograde	7052 Mar 22 13:21	19° ♄ 40'43	
minimum elong	7051 Apr 17 13:16	28° ♄ 51'41	3°26'54	evening set	7052 Mar 26 04:51	18° ♄ 22'56	
min. Earth dist.	7051 Apr 19 07:22	26° ♄ 40'22	0.65723 AU	inferior conj	7052 Mar 31 14:36	12° ♄ 26'02	3°18'28
morning rise	7051 Apr 23 02:40	22° ♄ 34'43		minimum elong	7052 Mar 31 13:17	12° ♄ 30'25	3°18'19
direct	7051 Apr 29 14:27	19° ♄ 46'44		min. Earth dist.	7052 Apr 01 17:37	10° ♄ 56'22	0.67002 AU
desc. node	7051 May 06 10:50	22° ♄ 13'36		morning rise	7052 Apr 05 21:24	6° ♄ 09'23	
morning max el	7051 May 12 17:12	27° ♄ 32'50	26°44'15	direct	7052 Apr 11 22:24	3° ♄ 27'44	
	7051 May 15 00:44	0° ♄		desc. node	7052 Apr 22 07:51	9° ♄ 01'02	
	7051 Jun 05 11:36	0° ♄		morning max el	7052 Apr 24 02:57	10° ♄ 45'38	25°30'16
morning set	7051 Jun 17 14:12	21° ♄ 23'16			7052 May 09 10:04	0° ♄	
max. Earth dist.	7051 Jun 21 19:38	29° ♄ 37'23	1.34326 AU		7052 May 28 02:59	0° ♄	
	7051 Jun 22 00:10	0° ♄		morning set	7052 May 30 06:28	3° ♄ 50'53	

max. Earth dist.	7052 Jun 02 23:24	10° Π 42'26	1.36096 AU	morning set	7053 May 12 02:25	15° \mathcal{B} 18'10	
				max. Earth dist.	7053 May 15 19:41	21° \mathcal{B} 49'42	1.38210 AU
superior conj	7052 Jun 08 21:48	22° Π 14'27	-0°49'20		7053 May 20 07:17	0° Π	
minimum elong	7052 Jun 09 00:41	22° Π 28'52	0°48'53				
	7052 Jun 12 17:56	0° \mathcal{C}		superior conj	7053 May 23 00:56	5° Π 08'57	-1°19'54
asc. node	7052 Jun 13 23:06	2° \mathcal{C} 29'05		minimum elong	7053 May 23 05:37	5° Π 31'14	1°19'15
evening rise	7052 Jun 16 23:52	8° \mathcal{C} 40'52		evening rise	7053 May 31 23:11	22° Π 34'05	
	7052 Jun 28 15:18	0° Ω		asc. node	7053 May 31 20:10	22° Π 19'15	
evening max el	7052 Jul 04 13:49	7° Ω 24'45	19°55'53		7053 Jun 04 19:05	0° \mathcal{C}	
retrograde	7052 Jul 14 20:41	12° Ω 28'10		evening max el	7053 Jun 17 09:50	19° \mathcal{C} 15'56	18°59'15
evening set	7052 Jul 16 17:45	12° Ω 18'47		retrograde	7053 Jun 26 01:16	23° \mathcal{C} 31'24	
desc. node	7052 Jul 19 07:05	11° Ω 38'09		evening set	7053 Jun 28 00:49	23° \mathcal{C} 18'53	
inferior conj	7052 Jul 25 17:26	8° Ω 18'25	-1°56'39	inferior conj	7053 Jul 06 06:42	19° \mathcal{C} 03'50	-0°01'57
minimum elong	7052 Jul 25 12:02	8° Ω 26'37	1°54'41	minimum elong	7053 Jul 06 06:37	19° \mathcal{C} 03'59	0°01'59
min. Earth dist.	7052 Jul 27 16:17	7° Ω 07'22	0.55190 AU	transit middle	7053 Jul 06 06:37	19° \mathcal{C} 03'59	0°01'59
morning rise	7052 Aug 03 04:30	3° Ω 58'27		transit begin	7053 Jul 06 02:53	19° \mathcal{C} 10'30	
direct	7052 Aug 07 14:20	3° Ω 15'48		transit end	7053 Jul 06 10:21	18° \mathcal{C} 57'27	
morning max el	7052 Aug 21 08:42	10° Ω 03'19	24°18'05	desc. node	7053 Jul 06 04:07	19° \mathcal{C} 08'21	
	7052 Sep 05 05:04	0° \mathcal{M}		min. Earth dist.	7053 Jul 09 07:24	16° \mathcal{C} 57'38	0.56536 AU
asc. node	7052 Sep 09 22:30	8° \mathcal{M} 39'34		morning rise	7053 Jul 14 09:08	14° \mathcal{C} 07'55	
morning set	7052 Sep 15 08:49	19° \mathcal{M} 44'01		direct	7053 Jul 19 16:15	13° \mathcal{C} 01'30	
	7052 Sep 20 02:40	0° \mathcal{L}		morning max el	7053 Aug 02 22:26	20° \mathcal{C} 22'57	25°55'46
					7053 Aug 11 04:53	0° Ω	
superior conj	7052 Sep 22 06:49	4° \mathcal{L} 44'30	1°36'57	asc. node	7053 Aug 27 19:30	28° Ω 14'46	
minimum elong	7052 Sep 22 05:24	4° \mathcal{L} 36'49	1°36'52		7053 Aug 28 16:04	0° \mathcal{M}	
max. Earth dist.	7052 Sep 24 07:08	9° \mathcal{L} 06'03	1.32856 AU	morning set	7053 Aug 30 20:00	4° \mathcal{M} 31'48	
evening rise	7052 Sep 29 15:29	20° \mathcal{L} 18'18					
	7052 Oct 04 14:22	0° \mathcal{M}		superior conj	7053 Sep 06 17:42	19° \mathcal{M} 36'38	1°26'24
desc. node	7052 Oct 15 06:10	18° \mathcal{M} 22'02		minimum elong	7053 Sep 06 15:38	19° \mathcal{M} 25'15	1°26'10
	7052 Oct 23 07:26	0° \mathcal{X}		max. Earth dist.	7053 Sep 07 14:28	21° \mathcal{M} 31'10	1.32091 AU
evening max el	7052 Nov 02 03:12	11° \mathcal{X} 15'09	27°27'55		7053 Sep 11 11:57	0° \mathcal{L}	
retrograde	7052 Nov 15 19:27	18° \mathcal{X} 33'20		evening rise	7053 Sep 13 17:25	4° \mathcal{L} 42'37	
evening set	7052 Nov 22 21:16	15° \mathcal{X} 59'50			7053 Sep 27 06:16	0° \mathcal{M}	
min. Earth dist.	7052 Nov 26 14:31	12° \mathcal{X} 46'32	0.63562 AU	desc. node	7053 Oct 02 03:13	7° \mathcal{M} 35'25	
inferior conj	7052 Nov 29 05:35	10° \mathcal{X} 07'13	-2°31'05	evening max el	7053 Oct 15 11:15	23° \mathcal{M} 55'14	27°17'02
minimum elong	7052 Nov 29 10:12	9° \mathcal{X} 55'30	2°29'15		7053 Oct 24 03:26	0° \mathcal{X}	
morning rise	7052 Dec 06 00:54	4° \mathcal{X} 49'46		retrograde	7053 Oct 29 07:32	1° \mathcal{X} 07'47	
asc. node	7052 Dec 06 21:53	4° \mathcal{X} 33'08			7053 Nov 03 06:33	30° \mathcal{R} \mathcal{M}	
direct	7052 Dec 08 10:40	4° \mathcal{X} 21'37		evening set	7053 Nov 05 09:58	28° \mathcal{M} 49'16	
morning max el	7052 Dec 15 00:16	7° \mathcal{X} 46'03	17°49'13	min. Earth dist.	7053 Nov 09 01:55	26° \mathcal{M} 01'10	0.61650 AU
	7052 Dec 29 18:14	0° \mathcal{Z}		inferior conj	7053 Nov 12 02:32	23° \mathcal{M} 18'35	-3°37'49
morning set	7052 Dec 31 11:15	2° \mathcal{Z} 57'10		minimum elong	7053 Nov 12 08:58	23° \mathcal{M} 04'08	3°35'43
desc. node	7053 Jan 11 05:24	21° \mathcal{Z} 12'50		morning rise	7053 Nov 19 10:02	18° \mathcal{M} 19'51	
				direct	7053 Nov 21 16:26	17° \mathcal{M} 58'02	
superior conj	7053 Jan 12 21:34	23° \mathcal{Z} 58'19	-0°12'00	asc. node	7053 Nov 23 18:54	18° \mathcal{M} 17'30	
minimum elong	7053 Jan 12 20:16	23° \mathcal{Z} 52'59	0°11'44	morning max el	7053 Nov 28 16:04	21° \mathcal{M} 29'44	17°53'00
behind sun begin	7053 Jan 12 13:36	23° \mathcal{Z} 25'38			7053 Dec 05 03:19	0° \mathcal{X}	
behind sun end	7053 Jan 13 02:55	24° \mathcal{Z} 20'18		morning set	7053 Dec 14 09:57	16° \mathcal{X} 09'26	
	7053 Jan 16 14:33	0° \approx			7053 Dec 22 03:08	0° \mathcal{Z}	
max. Earth dist.	7053 Jan 18 20:37	3° \approx 36'38	1.44415 AU				
evening rise	7053 Jan 28 11:08	18° \approx 37'49		superior conj	7053 Dec 25 02:04	5° \mathcal{Z} 09'02	0°28'56
	7053 Feb 04 22:42	0° \mathcal{H}		minimum elong	7053 Dec 25 04:32	5° \mathcal{Z} 19'39	0°28'39
evening max el	7053 Feb 26 06:04	29° \mathcal{H} 03'56	20°42'25	desc. node	7053 Dec 29 02:25	11° \mathcal{Z} 58'34	
	7053 Feb 27 04:51	0° \mathcal{Y}		max. Earth dist.	7054 Jan 01 11:09	17° \mathcal{Z} 32'58	1.42945 AU
asc. node	7053 Mar 04 21:02	3° \mathcal{Y} 40'42		evening rise	7054 Jan 08 03:43	28° \mathcal{Z} 16'07	
retrograde	7053 Mar 06 11:47	3° \mathcal{Y} 54'17			7054 Jan 09 06:17	0° \approx	
evening set	7053 Mar 10 12:24	2° \mathcal{Y} 21'39			7054 Jan 29 16:19	0° \mathcal{H}	
	7053 Mar 12 22:12	30° \mathcal{R} \mathcal{H}		evening max el	7054 Feb 09 02:01	12° \mathcal{H} 42'29	21°55'49
inferior conj	7053 Mar 15 20:14	26° \mathcal{H} 12'13	2°58'35	retrograde	7054 Feb 18 09:08	18° \mathcal{H} 13'15	
minimum elong	7053 Mar 15 18:12	26° \mathcal{H} 19'14	2°58'11	asc. node	7054 Feb 19 18:05	18° \mathcal{H} 03'27	
min. Earth dist.	7053 Mar 16 09:37	25° \mathcal{H} 26'13	0.67845 AU	evening set	7054 Feb 22 20:17	16° \mathcal{H} 25'19	
morning rise	7053 Mar 20 23:46	19° \mathcal{H} 57'30		inferior conj	7054 Feb 28 04:12	10° \mathcal{H} 06'05	2°29'02
direct	7053 Mar 26 11:33	17° \mathcal{H} 31'00		minimum elong	7054 Feb 28 01:53	10° \mathcal{H} 14'08	2°28'25
morning max el	7053 Apr 06 11:43	24° \mathcal{H} 05'49	24°03'28	min. Earth dist.	7054 Feb 28 05:04	10° \mathcal{H} 03'04	0.68257 AU
desc. node	7053 Apr 09 04:51	27° \mathcal{H} 00'24		morning rise	7054 Mar 05 07:18	3° \mathcal{H} 54'52	
	7053 Apr 11 18:09	0° \mathcal{Y}		direct	7054 Mar 10 04:53	1° \mathcal{H} 49'02	
	7053 May 02 20:15	0° \mathcal{B}		morning max el	7054 Mar 19 22:01	7° \mathcal{H} 32'44	22°34'01

desc. node	7054 Mar 27 01:51	15° X 51'27		morning max el	7055 Mar 02 13:36	21° \approx 10'19	21°10'21
	7054 Apr 06 08:13	0° Y			7055 Mar 10 00:38	0° X	
morning set	7054 Apr 22 20:21	25° Y 30'33		desc. node	7055 Mar 13 22:49	5° X 20'00	
	7054 Apr 25 13:28	0° X			7055 Mar 30 14:09	0° Y	
max. Earth dist.	7054 Apr 27 16:23	3° X 34'40	1.40446 AU	morning set	7055 Apr 02 10:45	4° Y 27'38	
				max. Earth dist.	7055 Apr 09 19:15	16° Y 15'04	1.42507 AU
superior conj	7054 May 05 11:36	17° X 15'00	-1°46'53				
minimum elong	7054 May 05 17:07	17° X 39'53	1°46'23	superior conj	7055 Apr 17 01:01	28° Y 21'49	-2°05'41
	7054 May 12 09:14	0° II		minimum elong	7055 Apr 17 04:52	28° Y 38'20	2°05'33
evening rise	7054 May 15 12:41	5° II 55'55			7055 Apr 17 23:54	0° X	
asc. node	7054 May 18 17:12	11° II 54'56		evening rise	7055 Apr 28 12:25	18° X 37'10	
	7054 May 30 00:17	0° X			7055 May 04 21:45	0° II	
evening max el	7054 May 31 15:09	1° X 44'26	18°23'04	asc. node	7055 May 05 14:15	1° II 10'57	
retrograde	7054 Jun 08 01:07	5° X 26'18		evening max el	7055 May 15 02:04	14° II 41'32	18°06'52
evening set	7054 Jun 10 07:31	5° X 06'29		retrograde	7055 May 21 18:30	18° II 06'05	
inferior conj	7054 Jun 17 17:28	0° X 31'06	1°30'28	evening set	7055 May 24 08:08	17° II 36'05	
minimum elong	7054 Jun 17 20:16	0° X 25'20	1°29'28	inferior conj	7055 May 31 00:47	12° II 40'14	2°33'26
	7054 Jun 18 08:34	30° X II		minimum elong	7055 May 31 03:53	12° II 32'50	2°32'37
min. Earth dist.	7054 Jun 21 03:16	27° II 44'52	0.58496 AU	min. Earth dist.	7055 Jun 03 06:29	9° II 36'45	0.60717 AU
desc. node	7054 Jun 23 01:10	26° II 21'01		morning rise	7055 Jun 06 21:14	6° II 45'55	
morning rise	7054 Jun 25 05:48	25° II 01'19		desc. node	7055 Jun 09 22:11	5° II 14'04	
direct	7054 Jul 01 08:02	23° II 23'41		direct	7055 Jun 13 11:54	4° II 36'27	
	7054 Jul 14 12:54	0° X		morning max el	7055 Jun 27 19:06	12° II 33'49	27°49'20
morning max el	7054 Jul 15 17:19	1° X 07'22	27°09'55		7055 Jul 11 14:29	0° X	
	7054 Aug 05 08:42	0° X			7055 Jul 28 15:56	0° X	
asc. node	7054 Aug 14 16:30	18° X 04'54		morning set	7055 Jul 30 09:52	3° X 34'20	
morning set	7054 Aug 15 04:56	19° X 10'10		asc. node	7055 Aug 01 13:30	8° X 05'07	
	7054 Aug 20 05:06	0° X		max. Earth dist.	7055 Aug 05 10:53	16° X 30'01	1.31888 AU
superior conj	7054 Aug 22 05:30	4° X 27'47	1°10'49	superior conj	7055 Aug 06 16:29	19° X 12'49	0°50'40
minimum elong	7054 Aug 22 03:14	4° X 15'12	1°10'26	minimum elong	7055 Aug 06 14:30	19° X 01'50	0°50'15
max. Earth dist.	7054 Aug 22 00:59	4° X 02'45	1.31768 AU		7055 Aug 11 14:08	0° X	
evening rise	7054 Aug 29 00:40	19° X 19'34		evening rise	7055 Aug 13 11:08	4° X 02'58	
	7054 Sep 03 06:06	0° X			7055 Aug 27 04:30	0° X	
desc. node	7054 Sep 19 00:15	26° X 00'33		desc. node	7055 Sep 05 21:18	13° X 18'30	
	7054 Sep 22 03:34	0° X		evening max el	7055 Sep 09 06:23	16° X 50'34	25°17'04
evening max el	7054 Sep 27 12:52	5° X 48'29	26°32'21	retrograde	7055 Sep 23 04:08	23° X 52'39	
retrograde	7054 Oct 11 10:52	12° X 55'26		evening set	7055 Sep 28 23:48	22° X 34'56	
evening set	7054 Oct 18 04:24	11° X 02'57		min. Earth dist.	7055 Oct 03 17:59	19° X 55'11	0.57556 AU
min. Earth dist.	7054 Oct 22 02:28	8° X 27'59	0.59580 AU	inferior conj	7055 Oct 06 17:40	17° X 53'41	-5°19'35
inferior conj	7054 Oct 25 07:39	5° X 57'18	-4°37'58	minimum elong	7055 Oct 06 21:33	17° X 47'05	5°19'10
minimum elong	7054 Oct 25 14:24	5° X 44'03	4°36'25	morning rise	7055 Oct 14 21:36	13° X 40'16	
morning rise	7054 Nov 02 02:37	1° X 20'34		direct	7055 Oct 17 08:46	13° X 22'12	
direct	7054 Nov 04 09:18	1° X 01'56		morning max el	7055 Oct 26 05:36	17° X 35'24	19°00'56
asc. node	7054 Nov 10 15:54	3° X 31'55		asc. node	7055 Oct 28 12:54	20° X 03'19	
morning max el	7054 Nov 12 03:00	4° X 49'25	18°16'23		7055 Nov 04 06:45	0° X	
morning set	7054 Nov 27 22:51	0° X 01'17		morning set	7055 Nov 11 21:30	14° X 19'41	
	7054 Nov 27 22:34	0° X			7055 Nov 19 20:56	0° X	
superior conj	7054 Dec 07 06:29	17° X 28'32	1°00'58	superior conj	7055 Nov 20 05:42	0° X 42'07	1°23'16
minimum elong	7054 Dec 07 10:06	17° X 44'58	1°00'33	minimum elong	7055 Nov 20 08:46	0° X 56'48	1°23'00
	7054 Dec 14 08:43	0° X		max. Earth dist.	7055 Nov 27 02:49	13° X 28'16	1.38882 AU
max. Earth dist.	7054 Dec 14 21:01	0° X 52'28	1.41022 AU	evening rise	7055 Nov 30 22:38	20° X 11'16	
desc. node	7054 Dec 15 23:24	2° X 44'16		desc. node	7055 Dec 02 20:24	23° X 26'11	
evening rise	7054 Dec 19 14:03	8° X 43'55			7055 Dec 06 19:45	0° X	
	7055 Jan 02 07:54	0° X			7055 Dec 27 11:10	0° X	
evening max el	7055 Jan 22 17:44	26° X 23'36	23°15'08	evening max el	7056 Jan 05 07:04	10° X 07'41	24°34'17
	7055 Jan 26 20:14	0° X		retrograde	7056 Jan 16 19:10	16° X 51'09	
retrograde	7055 Feb 02 03:58	2° X 33'52		evening set	7056 Jan 22 06:54	14° X 33'51	
asc. node	7055 Feb 06 15:08	0° X 54'25		asc. node	7056 Jan 24 12:10	12° X 19'31	
evening set	7055 Feb 07 02:58	0° X 30'42		min. Earth dist.	7056 Jan 26 21:30	9° X 19'29	0.67874 AU
	7055 Feb 07 16:45	30° X \approx		inferior conj	7056 Jan 27 19:34	8° X 05'56	1°04'59
min. Earth dist.	7055 Feb 12 01:46	24° X 42'16	0.68258 AU	minimum elong	7056 Jan 27 18:05	8° X 10'51	1°04'28
inferior conj	7055 Feb 12 12:34	24° X 05'05	1°50'56	morning rise	7056 Feb 02 05:26	2° X 05'58	
minimum elong	7055 Feb 12 10:27	24° X 12'25	1°50'14	direct	7056 Feb 05 23:43	0° X 44'57	
morning rise	7055 Feb 17 17:51	17° X 58'43		morning max el	7056 Feb 13 12:48	4° X 59'55	19°58'07
direct	7055 Feb 22 01:18	16° X 15'38		desc. node	7056 Feb 28 19:47	25° X 15'20	

	7056 Mar 02 23:58	0° H		transit begin	7057 Jan 10 21:06	22° Z 12'59	
morning set	7056 Mar 11 08:12	12° H 43'07		transit end	7057 Jan 11 00:57	22° Z 00'47	
max. Earth dist.	7056 Mar 22 05:06	29° H 44'39	1.44137 AU	morning rise	7057 Jan 16 16:04	16° Z 14'12	
	7056 Mar 22 08:57	0° Y		direct	7057 Jan 19 22:41	15° Z 12'37	
				morning max el	7057 Jan 26 19:45	18° Z 59'39	19°00'41
superior conj	7056 Mar 27 13:28	8° Y 21'43	-2°10'26		7057 Feb 04 11:23	0° \approx	
minimum elong	7056 Mar 27 11:59	8° Y 15'41	2°10'25	desc. node	7057 Feb 14 16:47	15° \approx 30'33	
	7056 Apr 09 11:27	0° Z		morning set	7057 Feb 18 12:49	21° \approx 27'58	
evening rise	7056 Apr 09 17:43	0° Z 26'48			7057 Feb 24 00:19	0° H	
asc. node	7056 Apr 21 11:18	19° Z 59'46		max. Earth dist.	7057 Mar 04 20:40	13° H 50'19	1.45154 AU
evening max el	7056 Apr 27 15:09	27° Z 57'24	18°09'54				
	7056 Apr 30 02:11	0° II		superior conj	7057 Mar 07 03:21	17° H 25'31	-1°55'58
retrograde	7056 May 04 00:49	1° II 19'28		minimum elong	7057 Mar 06 19:23	16° H 54'08	1°55'25
evening set	7056 May 06 21:20	0° II 37'23			7057 Mar 15 01:02	0° Y	
	7056 May 07 23:41	30° R Z		evening rise	7057 Mar 22 00:38	11° Y 18'44	
inferior conj	7056 May 13 00:42	25° Z 22'34	3°10'00		7057 Apr 02 14:21	0° Z	
minimum elong	7056 May 13 02:44	25° Z 17'05	3°09'39	asc. node	7057 Apr 08 08:21	8° Z 13'02	
min. Earth dist.	7056 May 15 18:39	22° Z 25'32	0.62891 AU	evening max el	7057 Apr 11 03:31	11° Z 25'08	18°31'22
morning rise	7056 May 19 06:39	19° Z 14'09		retrograde	7057 Apr 17 15:41	14° Z 57'56	
direct	7056 May 26 01:48	16° Z 39'54		evening set	7057 Apr 20 19:09	14° Z 02'32	
desc. node	7056 May 26 19:12	16° Z 41'33		inferior conj	7057 Apr 26 13:08	8° Z 30'11	3°25'34
morning max el	7056 Jun 09 02:17	24° Z 42'23	27°50'37	minimum elong	7057 Apr 26 13:43	8° Z 28'27	3°25'30
	7056 Jun 13 21:35	0° II		min. Earth dist.	7057 Apr 28 16:04	5° Z 58'45	0.64805 AU
	7056 Jul 04 00:38	0° Z		morning rise	7057 May 02 07:30	2° Z 15'25	
morning set	7056 Jul 13 08:39	17° Z 37'44			7057 May 06 01:02	30° R Y	
asc. node	7056 Jul 18 10:32	28° Z 10'35		direct	7057 May 08 23:48	29° Y 28'28	
max. Earth dist.	7056 Jul 18 16:08	28° Z 40'32	1.32459 AU		7057 May 12 02:30	0° Z	
	7056 Jul 19 06:59	0° Z		desc. node	7057 May 13 16:14	0° Z 37'35	
				morning max el	7057 May 22 12:05	7° Z 24'26	27°16'45
superior conj	7056 Jul 21 00:52	3° Z 46'06	0°26'26		7057 Jun 08 22:17	0° II	
minimum elong	7056 Jul 20 23:40	3° Z 39'31	0°26'07		7057 Jun 26 07:38	0° Z	
evening rise	7056 Jul 27 22:50	18° Z 46'42		morning set	7057 Jun 26 22:33	1° Z 12'19	
	7056 Aug 02 10:02	0° H		max. Earth dist.	7057 Jul 01 12:56	10° Z 24'17	1.33506 AU
evening max el	7056 Aug 20 18:26	27° H 15'10	23°42'28				
desc. node	7056 Aug 22 18:21	29° H 03'28		superior conj	7057 Jul 05 04:38	18° Z 01'35	-0°01'16
	7056 Aug 23 22:32	0° Z		minimum elong	7057 Jul 05 04:42	18° Z 01'56	0°01'19
retrograde	7056 Sep 03 09:40	4° Z 05'23		behind sun begin	7057 Jul 04 23:10	17° Z 32'45	
evening set	7056 Sep 07 19:09	3° Z 22'58		behind sun end	7057 Jul 05 10:13	18° Z 31'09	
min. Earth dist.	7056 Sep 14 04:34	0° Z 19'44	0.55881 AU	asc. node	7057 Jul 05 07:34	18° Z 17'07	
	7056 Sep 14 17:51	30° R H			7057 Jul 10 19:17	0° Z	
inferior conj	7056 Sep 16 07:32	29° H 03'14	-5°25'19	evening rise	7057 Jul 12 09:55	3° Z 24'52	
minimum elong	7056 Sep 16 04:52	29° H 07'15	5°25'10		7057 Jul 27 01:18	0° H	
morning rise	7056 Sep 24 16:54	25° H 08'28		evening max el	7057 Aug 02 08:37	7° H 33'06	22°04'36
direct	7056 Sep 27 12:38	24° H 48'33		desc. node	7057 Aug 09 15:25	12° H 42'57	
morning max el	7056 Oct 07 20:46	29° H 38'37	20°07'40	retrograde	7057 Aug 15 03:00	13° H 53'28	
	7056 Oct 08 05:44	0° Z		evening set	7057 Aug 18 01:16	13° H 34'26	
asc. node	7056 Oct 14 09:55	7° Z 36'35		min. Earth dist.	7057 Aug 26 13:46	9° H 53'39	0.54890 AU
morning set	7056 Oct 26 02:42	28° Z 55'42		inferior conj	7057 Aug 27 05:16	9° H 31'54	-4°39'22
	7056 Oct 26 15:18	0° H		minimum elong	7057 Aug 26 20:40	9° H 43'59	4°37'31
				morning rise	7057 Sep 04 17:34	5° H 42'47	
superior conj	7056 Nov 02 18:48	14° H 35'35	1°36'34	direct	7057 Sep 08 01:24	5° H 18'11	
minimum elong	7056 Nov 02 20:35	14° H 44'33	1°36'30	morning max el	7057 Sep 19 23:14	10° H 53'37	21°35'16
max. Earth dist.	7056 Nov 08 08:49	25° H 31'02	1.36787 AU	asc. node	7057 Oct 01 06:57	25° H 57'14	
	7056 Nov 10 18:17	0° Z			7057 Oct 03 13:50	0° Z	
evening rise	7056 Nov 12 04:15	2° Z 35'24		morning set	7057 Oct 10 11:57	13° Z 41'45	
desc. node	7056 Nov 18 17:26	14° Z 00'28					
	7056 Nov 28 21:16	0° Z		superior conj	7057 Oct 17 17:35	28° Z 56'07	1°41'58
evening max el	7056 Dec 17 19:56	23° Z 53'56	25°46'21	minimum elong	7057 Oct 17 17:57	28° Z 58'03	1°42'00
	7056 Dec 26 00:51	0° \approx			7057 Oct 18 05:50	0° H	
retrograde	7056 Dec 30 05:48	0° \approx 59'57		max. Earth dist.	7057 Oct 21 20:30	7° H 23'25	1.34952 AU
	7057 Jan 03 02:35	30° R Z		evening rise	7057 Oct 26 03:03	15° H 45'39	
evening set	7057 Jan 05 06:28	28° Z 31'04			7057 Nov 03 00:10	0° Z	
min. Earth dist.	7057 Jan 09 14:04	23° Z 51'10	0.67120 AU	desc. node	7057 Nov 05 14:29	4° Z 21'29	
asc. node	7057 Jan 10 09:12	22° Z 50'45			7057 Nov 23 10:30	0° Z	
inferior conj	7057 Jan 10 23:20	22° Z 05'55	0°11'51	evening max el	7057 Nov 30 09:07	7° Z 35'59	26°43'58
minimum elong	7057 Jan 10 23:01	22° Z 06'53	0°11'48	retrograde	7057 Dec 13 10:56	14° Z 52'48	
transit middle	7057 Jan 10 23:01	22° Z 06'53	0°11'48	evening set	7057 Dec 19 23:42	12° Z 16'43	

min. Earth dist.	7057 Dec 24 01:03	8°♄11'35	0.66007 AU	min. Earth dist.	7058 Dec 07 04:07	22°♄14'04	0.64550 AU
inferior conj	7057 Dec 25 21:48	5°♄59'52	-0°47'43	inferior conj	7058 Dec 09 12:36	19°♄42'29	-1°52'25
minimum elong	7057 Dec 25 23:09	5°♄55'54	0°47'04	minimum elong	7058 Dec 09 16:00	19°♄33'22	1°50'58
asc. node	7057 Dec 28 06:15	3°♄20'24		asc. node	7058 Dec 15 03:18	14°♄43'00	
morning rise	7057 Dec 31 23:31	0°♄19'00		morning rise	7058 Dec 16 01:06	14°♄15'30	
	7058 Jan 01 15:49	30°♄15'49		direct	7058 Dec 18 14:19	13°♄41'57	
direct	7058 Jan 03 20:23	29°♄33'19		morning max el	7058 Dec 25 01:16	17°♄05'40	17°55'17
	7058 Jan 06 01:44	0°♄			7059 Jan 03 10:20	0°♄	
morning max el	7058 Jan 10 08:45	3°♄03'40	18°19'32	morning set	7059 Jan 11 07:41	13°♄07'06	
	7058 Jan 28 20:09	0°♄		desc. node	7059 Jan 19 10:47	26°♄37'52	
morning set	7058 Jan 29 19:39	1°♄34'23			7059 Jan 21 12:19	0°♄	
desc. node	7058 Feb 01 13:48	5°♄59'34					
				superior conj	7059 Jan 24 21:22	5°♄27'07	-0°38'07
superior conj	7058 Feb 14 07:27	26°♄09'40	-1°22'30	minimum elong	7059 Jan 24 16:54	5°♄09'10	0°37'26
minimum elong	7058 Feb 13 22:17	25°♄33'45	1°21'27	max. Earth dist.	7059 Jan 29 11:34	12°♄45'31	1.44994 AU
max. Earth dist.	7058 Feb 15 15:48	28°♄16'30	1.45447 AU	evening rise	7059 Feb 09 23:21	0°♄38'14	
	7058 Feb 16 18:14	0°♄			7059 Feb 09 13:24	0°♄	
evening rise	7058 Mar 02 08:28	21°♄16'12		greatest brilliancy	7059 Feb 24 16:45	22°♄52'24	-0.6m
	7058 Mar 07 22:07	0°♄			7059 Mar 01 16:59	0°♄	
greatest brilliancy	7058 Mar 13 03:59	8°♄08'56	-0.8m	evening max el	7059 Mar 08 17:09	8°♄35'17	20°04'53
evening max el	7058 Mar 25 12:46	24°♄59'14	19°10'15	asc. node	7059 Mar 13 02:28	12°♄07'00	
asc. node	7058 Mar 26 05:24	25°♄40'02		retrograde	7059 Mar 16 09:48	13°♄03'26	
retrograde	7058 Apr 01 11:37	28°♄54'40		evening set	7059 Mar 20 05:08	11°♄39'10	
evening set	7058 Apr 04 22:33	27°♄45'07		inferior conj	7059 Mar 25 13:47	5°♄36'35	3°11'19
inferior conj	7058 Apr 10 10:29	21°♄56'43	3°24'52	minimum elong	7059 Mar 25 12:06	5°♄42'15	3°11'03
minimum elong	7058 Apr 10 09:46	21°♄59'03	3°24'48	min. Earth dist.	7059 Mar 26 10:46	4°♄25'43	0.67416 AU
min. Earth dist.	7058 Apr 11 21:58	20°♄02'50	0.66329 AU		7059 Mar 30 02:30	30°♄	
morning rise	7058 Apr 15 20:36	15°♄40'10		morning rise	7059 Mar 30 18:52	29°♄20'47	
direct	7058 Apr 22 04:21	12°♄53'28		direct	7059 Apr 05 14:27	26°♄44'56	
desc. node	7058 Apr 30 13:16	16°♄31'48			7059 Apr 13 03:22	0°♄	
morning max el	7058 May 04 22:10	20°♄28'51	26°14'55	desc. node	7059 Apr 17 10:15	3°♄52'35	
	7058 May 13 02:33	0°♄		morning max el	7059 Apr 17 07:23	3°♄45'18	24°54'23
	7058 Jun 02 01:38	0°♄			7059 May 07 08:57	0°♄	
morning set	7058 Jun 10 00:03	14°♄08'11		morning set	7059 May 23 08:21	26°♄11'42	
max. Earth dist.	7058 Jun 13 23:02	21°♄41'10	1.35030 AU		7059 May 25 11:13	0°♄	
	7058 Jun 18 03:15	0°♄		max. Earth dist.	7059 May 26 23:19	2°♄45'06	1.36971 AU
superior conj	7058 Jun 19 01:20	1°♄52'27	-0°31'25	superior conj	7059 Jun 02 11:53	15°♄09'45	-1°02'30
minimum elong	7058 Jun 19 03:07	2°♄01'33	0°31'08	minimum elong	7059 Jun 02 15:35	15°♄27'51	1°01'55
asc. node	7058 Jun 22 04:36	8°♄20'45		asc. node	7059 Jun 09 01:37	28°♄16'51	
evening rise	7058 Jun 26 18:22	17°♄51'32			7059 Jun 09 22:06	0°♄	
	7058 Jul 02 21:04	0°♄		evening rise	7059 Jun 10 21:47	1°♄59'03	
evening max el	7058 Jul 15 08:46	18°♄16'56	20°37'37	evening max el	7059 Jun 27 21:45	29°♄42'18	19°29'08
retrograde	7058 Jul 26 15:04	23°♄50'11			7059 Jun 28 05:04	0°♄	
desc. node	7058 Jul 27 12:28	23°♄48'12		retrograde	7059 Jul 07 10:57	4°♄24'15	
evening set	7058 Jul 28 16:28	23°♄39'49		evening set	7059 Jul 09 08:07	4°♄14'05	
inferior conj	7058 Aug 06 22:14	19°♄42'53	-3°03'55	desc. node	7059 Jul 14 09:32	2°♄20'02	
minimum elong	7058 Aug 06 14:03	19°♄54'37	3°01'11	inferior conj	7059 Jul 18 00:55	0°♄08'07	-1°06'20
min. Earth dist.	7058 Aug 07 23:50	19°♄06'10	0.54810 AU	minimum elong	7059 Jul 17 21:56	0°♄12'56	1°05'16
morning rise	7058 Aug 15 11:14	15°♄40'06			7059 Jul 18 05:58	30°♄	
direct	7058 Aug 19 10:33	15°♄06'17		min. Earth dist.	7059 Jul 20 12:33	28°♄32'48	0.55673 AU
morning max el	7058 Sep 01 15:43	21°♄28'20	23°17'28	morning rise	7059 Jul 26 09:12	25°♄33'36	
	7058 Sep 09 00:17	0°♄		direct	7059 Jul 31 03:51	24°♄42'20	
asc. node	7058 Sep 18 03:58	14°♄53'56			7059 Aug 12 05:40	0°♄	
morning set	7058 Sep 24 23:16	28°♄32'25		morning max el	7059 Aug 14 04:39	1°♄45'02	25°01'37
	7058 Sep 25 15:46	0°♄			7059 Sep 02 19:56	0°♄	
				asc. node	7059 Sep 05 00:59	4°♄16'55	
superior conj	7058 Oct 01 22:56	13°♄34'40	1°40'31	morning set	7059 Sep 09 10:57	13°♄22'26	
minimum elong	7058 Oct 01 22:05	13°♄30'04	1°40'31				
max. Earth dist.	7058 Oct 04 16:46	19°♄25'17	1.33502 AU	superior conj	7059 Sep 16 08:24	28°♄23'22	1°33'07
evening rise	7058 Oct 09 15:02	29°♄31'39		minimum elong	7059 Sep 16 06:39	28°♄13'50	1°32'58
	7058 Oct 09 20:45	0°♄			7059 Sep 17 02:03	0°♄	
desc. node	7058 Oct 23 11:32	24°♄23'00		max. Earth dist.	7059 Sep 17 20:47	1°♄42'16	1.32477 AU
	7058 Oct 27 02:19	0°♄		evening rise	7059 Sep 23 12:41	13°♄43'48	
evening max el	7058 Nov 12 21:50	21°♄03'31	27°19'46		7059 Oct 01 23:13	0°♄	
retrograde	7058 Nov 26 09:49	28°♄22'11		desc. node	7059 Oct 10 08:35	13°♄56'56	
evening set	7058 Dec 03 08:18	25°♄45'13			7059 Oct 22 09:48	0°♄	

evening max el	7059 Oct 26 08:06	4° \mathbb{A} 03'40	27°27'19	desc. node	7060 Sep 26 05:38	2° \mathbb{M} 51'38	
retrograde	7059 Nov 09 02:04	11° \mathbb{A} 19'29		evening max el	7060 Oct 07 13:27	16° \mathbb{M} 23'47	27°02'04
evening set	7059 Nov 16 05:20	8° \mathbb{A} 50'44		retrograde	7060 Oct 21 10:52	23° \mathbb{M} 34'45	
min. Earth dist.	7059 Nov 19 21:23	5° \mathbb{A} 49'35	0.62777 AU	evening set	7060 Oct 28 10:53	21° \mathbb{M} 25'39	
inferior conj	7059 Nov 22 16:58	3° \mathbb{A} 07'13	-2°59'42	min. Earth dist.	7060 Nov 01 03:58	18° \mathbb{M} 45'12	0.60771 AU
minimum elong	7059 Nov 22 22:27	2° \mathbb{A} 54'00	2°57'40	inferior conj	7060 Nov 04 07:34	16° \mathbb{M} 05'17	-4°04'48
	7059 Nov 26 04:55	30° \mathbb{R} \mathbb{M}		minimum elong	7060 Nov 04 14:25	15° \mathbb{M} 50'45	4°02'48
morning rise	7059 Nov 29 17:29	27° \mathbb{M} 57'33		morning rise	7060 Nov 11 20:12	11° \mathbb{M} 15'58	
direct	7059 Dec 02 01:30	27° \mathbb{M} 32'27		direct	7060 Nov 14 02:07	10° \mathbb{M} 55'58	
asc. node	7059 Dec 02 00:20	27° \mathbb{M} 32'28		asc. node	7060 Nov 17 21:22	11° \mathbb{M} 55'57	
	7059 Dec 07 16:49	0° \mathbb{A}		morning max el	7060 Nov 21 08:32	14° \mathbb{M} 33'20	18°00'32
morning max el	7059 Dec 08 18:19	0° \mathbb{A} 58'35	17°48'37		7060 Dec 01 22:26	0° \mathbb{A}	
morning set	7059 Dec 24 19:37	25° \mathbb{A} 48'38		morning set	7060 Dec 07 00:57	9° \mathbb{A} 18'59	
	7059 Dec 27 04:41	0° \mathbb{B}					
superior conj	7060 Jan 05 10:52	15° \mathbb{B} 54'42	0°06'18	superior conj	7060 Dec 17 02:05	27° \mathbb{A} 36'09	0°43'42
minimum elong	7060 Jan 05 11:30	15° \mathbb{B} 57'22	0°06'18	minimum elong	7060 Dec 17 05:19	27° \mathbb{A} 50'22	0°43'19
behind sun begin	7060 Jan 05 03:02	15° \mathbb{B} 21'55			7060 Dec 18 10:52	0° \mathbb{B}	
behind sun end	7060 Jan 05 19:57	16° \mathbb{B} 32'44		desc. node	7060 Dec 23 04:45	8° \mathbb{B} 07'54	
desc. node	7060 Jan 06 07:45	17° \mathbb{B} 21'56		max. Earth dist.	7060 Dec 24 16:41	10° \mathbb{B} 38'03	1.42159 AU
max. Earth dist.	7060 Jan 12 04:35	26° \mathbb{B} 58'12	1.43851 AU	evening rise	7060 Dec 30 09:47	19° \mathbb{B} 55'45	
	7060 Jan 14 01:59	0° \mathbb{A}			7061 Jan 05 20:47	0° \mathbb{A}	
evening rise	7060 Jan 20 10:48	9° \mathbb{A} 59'31		evening max el	7061 Jan 27 05:09	0° \mathbb{H}	
	7060 Feb 02 18:05	0° \mathbb{H}		retrograde	7061 Feb 01 09:46	5° \mathbb{H} 51'02	22°29'11
evening max el	7060 Feb 19 15:58	22° \mathbb{H} 12'24	21°12'32	asc. node	7061 Feb 11 04:40	11° \mathbb{H} 39'46	
asc. node	7060 Feb 27 23:31	27° \mathbb{H} 19'25		evening set	7061 Feb 13 20:35	11° \mathbb{H} 03'21	
retrograde	7060 Feb 28 08:06	27° \mathbb{H} 20'05		inferior conj	7061 Feb 15 20:36	9° \mathbb{H} 45'24	
evening set	7060 Mar 03 13:03	25° \mathbb{H} 40'48		minimum elong	7061 Feb 21 05:02	3° \mathbb{H} 22'47	2°13'53
inferior conj	7060 Mar 08 20:40	19° \mathbb{H} 26'34	2°47'11	min. Earth dist.	7061 Feb 21 02:44	3° \mathbb{H} 30'45	2°13'13
minimum elong	7060 Mar 08 18:27	19° \mathbb{H} 34'13	2°46'40		7061 Feb 21 00:52	3° \mathbb{H} 37'15	0.68299 AU
min. Earth dist.	7060 Mar 09 04:31	18° \mathbb{H} 59'21	0.68066 AU	morning rise	7061 Feb 23 17:37	30° \mathbb{R} \mathbb{A}	
morning rise	7060 Mar 13 23:41	13° \mathbb{H} 13'09		direct	7061 Feb 26 08:44	27° \mathbb{A} 13'12	
direct	7060 Mar 19 05:21	10° \mathbb{H} 55'14			7061 Mar 03 00:09	25° \mathbb{A} 16'59	
morning max el	7060 Mar 29 16:37	17° \mathbb{H} 09'00	23°25'19	morning max el	7061 Mar 11 12:33	0° \mathbb{H}	
desc. node	7060 Apr 03 07:13	22° \mathbb{H} 16'02		desc. node	7061 Mar 12 04:44	0° \mathbb{H} 39'44	21°57'18
	7060 Apr 09 08:26	0° \mathbb{Y}			7061 Mar 21 04:11	11° \mathbb{H} 24'09	
	7060 Apr 29 10:15	0° \mathbb{B}		morning set	7061 Apr 03 04:27	0° \mathbb{Y}	
morning set	7060 May 03 17:54	7° \mathbb{B} 08'57		max. Earth dist.	7061 Apr 13 23:49	16° \mathbb{Y} 47'54	
max. Earth dist.	7060 May 07 19:04	14° \mathbb{B} 05'48	1.39164 AU		7061 Apr 19 17:21	26° \mathbb{Y} 10'55	1.41354 AU
					7061 Apr 21 23:47	0° \mathbb{B}	
superior conj	7060 May 15 08:34	27° \mathbb{B} 44'43	-1°32'00	superior conj	7061 Apr 27 10:45	9° \mathbb{B} 26'32	-1°56'11
minimum elong	7060 May 15 13:47	28° \mathbb{B} 09'05	1°31'23	minimum elong	7061 Apr 27 15:58	9° \mathbb{B} 49'32	1°55'50
	7060 May 16 13:29	0° \mathbb{I}		evening rise	7061 May 08 01:33	28° \mathbb{B} 45'42	
evening rise	7060 May 24 17:23	15° \mathbb{I} 40'14			7061 May 08 17:36	0° \mathbb{I}	
asc. node	7060 May 25 22:39	18° \mathbb{I} 01'27		asc. node	7061 May 12 19:42	7° \mathbb{I} 29'29	
	7060 Jun 01 10:14	0° \mathbb{E}		evening max el	7061 May 24 06:18	24° \mathbb{I} 32'12	18°13'50
evening max el	7060 Jun 09 22:06	11° \mathbb{E} 50'00	18°41'17	retrograde	7061 May 31 07:26	28° \mathbb{I} 04'39	
retrograde	7060 Jun 17 23:50	15° \mathbb{E} 49'34		evening set	7061 Jun 02 16:54	27° \mathbb{I} 40'51	
evening set	7060 Jun 20 01:53	15° \mathbb{E} 34'31		inferior conj	7061 Jun 09 19:06	22° \mathbb{I} 57'03	2°00'38
inferior conj	7060 Jun 27 23:11	11° \mathbb{E} 11'00	0°40'45	minimum elong	7061 Jun 09 22:17	22° \mathbb{I} 50'05	1°59'38
minimum elong	7060 Jun 28 00:42	11° \mathbb{E} 08'11	0°40'07	min. Earth dist.	7061 Jun 13 04:39	20° \mathbb{I} 00'08	0.59427 AU
desc. node	7060 Jun 30 06:34	9° \mathbb{E} 27'09		morning rise	7061 Jun 17 00:40	17° \mathbb{I} 15'24	
min. Earth dist.	7060 Jul 01 05:38	8° \mathbb{E} 45'12	0.57317 AU	desc. node	7061 Jun 17 03:34	17° \mathbb{I} 11'15	
morning rise	7060 Jul 05 20:03	5° \mathbb{E} 59'22		direct	7061 Jun 23 09:15	15° \mathbb{I} 23'27	
direct	7060 Jul 11 11:37	4° \mathbb{E} 40'20		morning max el	7061 Jul 07 18:12	23° \mathbb{I} 14'41	27°31'10
morning max el	7060 Jul 25 20:23	12° \mathbb{E} 13'05	26°30'58		7061 Jul 13 19:09	0° \mathbb{E}	
	7060 Aug 08 17:38	0° \mathbb{Q}			7061 Aug 01 20:33	0° \mathbb{Q}	
asc. node	7060 Aug 21 21:58	23° \mathbb{Q} 58'56		morning set	7061 Aug 08 04:52	12° \mathbb{Q} 40'13	
morning set	7060 Aug 23 21:22	28° \mathbb{Q} 06'40		asc. node	7061 Aug 08 18:58	13° \mathbb{Q} 54'16	
	7060 Aug 24 18:39	0° \mathbb{P}		max. Earth dist.	7061 Aug 14 16:24	26° \mathbb{Q} 41'27	1.31762 AU
superior conj	7060 Aug 30 19:53	13° \mathbb{P} 15'38	1°20'23	superior conj	7061 Aug 15 07:37	28° \mathbb{Q} 05'38	1°02'50
minimum elong	7060 Aug 30 17:41	13° \mathbb{P} 03'25	1°20'04	minimum elong	7061 Aug 15 05:24	27° \mathbb{Q} 53'24	1°02'24
max. Earth dist.	7060 Aug 31 05:47	14° \mathbb{P} 10'28	1.31896 AU		7061 Aug 16 04:16	0° \mathbb{P}	
evening rise	7060 Sep 06 17:09	28° \mathbb{P} 13'50		evening rise	7061 Aug 22 02:04	12° \mathbb{P} 54'54	
	7060 Sep 07 13:27	0° \mathbb{Q}			7061 Aug 30 16:00	0° \mathbb{Q}	
	7060 Sep 24 06:35	0° \mathbb{M}		desc. node	7061 Sep 13 02:42	20° \mathbb{Q} 51'28	

evening max el	7061 Sep 19 11:46	27°♄55'51	26°03'39		7062 Aug 24 16:01	0°♄	
	7061 Sep 21 19:58	0°♄		desc. node	7062 Aug 30 23:46	7°♄33'40	
retrograde	7061 Oct 03 10:29	5°♄01'13		evening max el	7062 Sep 01 02:35	8°♄40'07	24°38'21
evening set	7061 Oct 09 20:07	3°♄23'02		retrograde	7062 Sep 14 22:35	15°♄37'43	
min. Earth dist.	7061 Oct 14 00:42	0°♄48'04	0.58693 AU	evening set	7062 Sep 20 04:52	14°♄35'56	
	7061 Oct 15 03:17	30°♄		min. Earth dist.	7062 Sep 25 13:43	11°♄48'12	0.56789 AU
inferior conj	7061 Oct 17 04:59	28°♄27'41	-4°58'51	inferior conj	7062 Sep 28 06:24	10°♄04'35	-5°27'28
minimum elong	7061 Oct 17 11:00	28°♄16'33	4°57'46	minimum elong	7062 Sep 28 07:49	10°♄02'17	5°27'25
morning rise	7061 Oct 25 04:09	24°♄00'46		morning rise	7062 Oct 06 13:00	5°♄59'42	
direct	7061 Oct 27 12:01	23°♄42'48		direct	7062 Oct 09 03:30	5°♄41'00	
morning max el	7061 Nov 04 16:25	27°♄40'24	18°32'36	morning max el	7062 Oct 18 14:22	10°♄08'40	19°26'30
asc. node	7061 Nov 04 18:22	27°♄45'08		asc. node	7062 Oct 22 15:23	14°♄44'24	
	7061 Nov 06 20:08	0°♄			7062 Oct 31 20:33	0°♄	
morning set	7061 Nov 20 18:30	23°♄23'35		morning set	7062 Nov 04 20:19	7°♄50'31	
	7061 Nov 24 04:31	0°♄					
				superior conj	7062 Nov 12 20:51	23°♄52'12	1°29'56
superior conj	7061 Nov 29 15:11	10°♄20'24	1°11'34	minimum elong	7062 Nov 12 23:26	24°♄04'46	1°29'46
minimum elong	7061 Nov 29 18:42	10°♄36'48	1°11'12		7062 Nov 16 01:06	0°♄	
max. Earth dist.	7061 Dec 07 00:12	23°♄37'27	1.40125 AU	max. Earth dist.	7062 Nov 19 05:46	5°♄58'08	1.37980 AU
desc. node	7061 Dec 10 01:48	28°♄52'32		evening rise	7062 Nov 22 23:30	12°♄41'28	
	7061 Dec 10 17:50	0°♄		desc. node	7062 Nov 26 22:51	19°♄31'45	
evening rise	7061 Dec 11 05:34	0°♄49'03			7062 Dec 03 09:37	0°♄	
	7061 Dec 30 06:13	0°♄			7062 Dec 25 09:20	0°♄	
evening max el	7062 Jan 15 00:19	19°♄33'27	23°49'17	evening max el	7062 Dec 28 13:29	3°♄19'24	25°06'16
retrograde	7062 Jan 25 22:03	25°♄58'51		retrograde	7063 Jan 09 11:14	10°♄13'01	
evening set	7062 Jan 31 02:17	23°♄49'45		evening set	7063 Jan 15 04:33	7°♄50'32	
asc. node	7062 Jan 31 17:37	23°♄15'16		asc. node	7063 Jan 18 14:40	4°♄11'57	
min. Earth dist.	7062 Feb 04 21:31	18°♄15'32	0.68141 AU	min. Earth dist.	7063 Jan 19 16:09	2°♄50'51	0.67602 AU
inferior conj	7062 Feb 05 13:03	17°♄22'40	1°32'21	inferior conj	7063 Jan 20 18:55	1°♄23'27	0°43'18
minimum elong	7062 Feb 05 11:08	17°♄29'11	1°31'43	minimum elong	7063 Jan 20 17:52	1°♄26'51	0°42'57
morning rise	7062 Feb 10 19:58	11°♄18'35			7063 Jan 21 20:43	30°♄	
direct	7062 Feb 14 21:43	9°♄44'52		morning rise	7063 Jan 26 07:26	25°♄26'45	
morning max el	7062 Feb 22 23:13	14°♄21'21	20°37'53	direct	7063 Jan 29 20:39	24°♄14'13	
	7062 Mar 07 07:03	0°♄		morning max el	7063 Feb 06 01:47	28°♄15'22	19°31'46
desc. node	7062 Mar 08 01:10	1°♄04'47			7063 Feb 07 17:20	0°♄	
morning set	7062 Mar 24 04:35	25°♄19'09		greatest brilliancy	7063 Feb 18 23:15	15°♄13'32	-0.7m
	7062 Mar 27 04:25	0°♄		desc. node	7063 Feb 22 22:10	21°♄09'22	
max. Earth dist.	7062 Apr 01 22:54	9°♄11'56	1.43265 AU		7063 Feb 28 17:15	0°♄	
				morning set	7063 Mar 03 01:59	3°♄38'19	
superior conj	7062 Apr 08 13:47	20°♄04'57	-2°09'47	max. Earth dist.	7063 Mar 15 12:01	23°♄00'56	1.44655 AU
minimum elong	7062 Apr 08 15:49	20°♄13'26	2°09'46				
	7062 Apr 14 09:47	0°♄		superior conj	7063 Mar 19 15:50	29°♄38'20	-2°06'49
evening rise	7062 Apr 20 17:56	11°♄05'21		minimum elong	7063 Mar 19 11:22	29°♄20'27	2°06'39
asc. node	7062 Apr 29 16:45	26°♄34'33			7063 Mar 19 21:14	0°♄	
	7062 May 01 20:35	0°♄		evening rise	7063 Apr 02 14:06	22°♄30'58	
evening max el	7062 May 07 18:36	7°♄38'28	18°05'57		7063 Apr 07 01:06	0°♄	
retrograde	7062 May 14 06:45	10°♄59'51		asc. node	7063 Apr 16 13:49	15°♄09'26	
evening set	7062 May 16 23:28	10°♄24'47		evening max el	7063 Apr 21 07:45	21°♄00'18	18°16'51
inferior conj	7062 May 23 09:58	5°♄20'47	2°51'50	retrograde	7063 Apr 27 17:16	24°♄25'18	
minimum elong	7062 May 23 12:42	5°♄13'52	2°51'13	evening set	7063 Apr 30 16:49	23°♄37'29	
min. Earth dist.	7062 May 26 11:22	2°♄17'25	0.61663 AU	inferior conj	7063 May 06 15:42	18°♄14'47	3°18'52
	7062 May 29 02:07	30°♄		minimum elong	7063 May 06 17:07	18°♄10'46	3°18'40
morning rise	7062 May 29 23:59	29°♄19'43		min. Earth dist.	7063 May 09 03:20	15°♄27'05	0.63744 AU
desc. node	7062 Jun 04 00:35	27°♄07'17		morning rise	7063 May 12 16:20	12°♄03'06	
direct	7062 Jun 05 17:46	26°♄58'21		direct	7063 May 19 11:01	9°♄22'13	
	7062 Jun 14 01:16	0°♄		desc. node	7063 May 21 21:36	9°♄40'53	
morning max el	7062 Jun 19 22:17	4°♄58'28	27°54'30	morning max el	7063 Jun 02 06:56	17°♄22'38	27°40'18
	7062 Jul 08 15:31	0°♄			7063 Jun 12 19:05	0°♄	
morning set	7062 Jul 23 07:28	26°♄56'15			7063 Jul 01 11:23	0°♄	
	7062 Jul 24 19:00	0°♄		morning set	7063 Jul 07 02:51	10°♄48'21	
asc. node	7062 Jul 26 15:59	3°♄57'12		max. Earth dist.	7063 Jul 12 03:08	21°♄04'13	1.32852 AU
max. Earth dist.	7062 Jul 29 00:47	9°♄02'57	1.32077 AU	asc. node	7063 Jul 13 13:02	24°♄03'38	
superior conj	7062 Jul 30 17:45	12°♄46'35	0°40'54	superior conj	7063 Jul 15 00:25	27°♄12'57	0°15'06
minimum elong	7062 Jul 30 16:01	12°♄37'07	0°40'29	minimum elong	7063 Jul 14 23:41	27°♄09'01	0°14'52
evening rise	7062 Aug 06 13:18	27°♄39'28		behind sun begin	7063 Jul 14 21:43	26°♄58'25	
	7062 Aug 07 15:45	0°♄		behind sun end	7063 Jul 15 01:40	27°♄19'38	

	7063 Jul 16 07:25	0°♎		superior conj	7064 Jun 28 01:27	11°♊18'07	-0°13'50
evening rise	7063 Jul 22 01:00	12°♎21'46		minimum elong	7064 Jun 28 02:12	11°♊22'02	0°13'44
	7063 Jul 30 23:14	0°♎		behind sun begin	7064 Jun 27 23:14	11°♊06'33	
evening max el	7063 Aug 13 14:22	18°♎57'01	23°00'10	behind sun end	7064 Jun 28 05:10	11°♊37'33	
desc. node	7063 Aug 17 20:49	22°♎29'24		asc. node	7064 Jun 29 10:05	14°♊09'09	
retrograde	7063 Aug 26 22:19	25°♎36'52		evening rise	7064 Jul 05 11:11	26°♊55'21	
evening set	7063 Aug 30 16:20	25°♎06'05			7064 Jul 06 22:43	0°♎	
min. Earth dist.	7063 Sep 06 22:53	21°♎48'41	0.55369 AU	evening max el	7064 Jul 25 07:51	29°♎21'51	21°25'39
inferior conj	7063 Sep 08 12:25	20°♎54'32	-5°12'35		7064 Jul 25 23:47	0°♎	
minimum elong	7063 Sep 08 06:44	21°♎02'45	5°11'52	desc. node	7064 Aug 03 17:50	5°♎05'53	
morning rise	7063 Sep 16 23:19	17°♎04'36		retrograde	7064 Aug 06 12:40	5°♎24'33	
direct	7063 Sep 20 00:03	16°♎43'00		evening set	7064 Aug 08 23:37	5°♎10'41	
morning max el	7063 Oct 01 00:01	21°♎50'52	20°42'35	inferior conj	7064 Aug 18 06:21	1°♎11'54	-4°03'50
	7063 Oct 07 18:39	0°♏		minimum elong	7064 Aug 17 21:03	1°♎24'57	4°01'17
asc. node	7063 Oct 09 12:24	2°♏39'05		min. Earth dist.	7064 Aug 18 08:12	1°♎09'18	0.54731 AU
morning set	7063 Oct 20 03:30	22°♏31'32			7064 Aug 20 10:17	30°♏♎	
	7063 Oct 23 17:55	0°♏		morning rise	7064 Aug 26 19:23	27°♎19'38	
				direct	7064 Aug 30 09:00	26°♎52'06	
superior conj	7063 Oct 27 14:29	7°♏58'18	1°39'45		7064 Sep 08 10:54	0°♎	
minimum elong	7063 Oct 27 15:40	8°♏04'19	1°39'45	morning max el	7064 Sep 11 21:48	2°♎47'41	22°17'38
max. Earth dist.	7063 Nov 01 13:53	17°♏54'37	1.35969 AU	asc. node	7064 Sep 25 09:26	21°♎16'31	
evening rise	7063 Nov 05 12:52	25°♏25'56			7064 Sep 30 00:00	0°♏	
	7063 Nov 08 00:56	0°♏		morning set	7064 Oct 03 13:51	7°♏20'39	
desc. node	7063 Nov 13 19:54	10°♏00'57					
	7063 Nov 26 22:01	0°♏		superior conj	7064 Oct 10 16:27	22°♏28'17	1°42'08
evening max el	7063 Dec 11 02:24	17°♏04'24	26°13'01	minimum elong	7064 Oct 10 16:16	22°♏27'19	1°42'10
retrograde	7063 Dec 23 19:30	24°♏16'03		max. Earth dist.	7064 Oct 14 04:56	29°♏49'08	1.34279 AU
evening set	7063 Dec 30 01:40	21°♏43'12			7064 Oct 14 07:03	0°♏	
min. Earth dist.	7064 Jan 03 06:29	17°♏18'25	0.66693 AU	evening rise	7064 Oct 18 17:45	8°♏53'03	
inferior conj	7064 Jan 04 20:40	15°♏21'04	-0°12'41	desc. node	7064 Oct 30 16:56	0°♏14'53	
minimum elong	7064 Jan 04 21:00	15°♏20'02	0°12'29		7064 Oct 30 13:17	0°♏	
transit middle	7064 Jan 04 21:00	15°♏20'02	0°12'29		7064 Nov 21 22:18	0°♏	
transit begin	7064 Jan 04 19:12	15°♏25'37		evening max el	7064 Nov 22 15:19	0°♏41'24	27°02'11
transit end	7064 Jan 04 22:49	15°♏14'27		retrograde	7064 Dec 05 22:14	8°♏00'45	
asc. node	7064 Jan 05 11:42	14°♏35'03		evening set	7064 Dec 12 15:35	5°♏23'02	
morning rise	7064 Jan 10 17:00	9°♏33'56		min. Earth dist.	7064 Dec 16 14:20	1°♏32'46	0.65427 AU
direct	7064 Jan 13 19:16	8°♏39'37			7064 Dec 17 23:08	30°♏♏	
morning max el	7064 Jan 20 11:40	12°♏17'55	18°41'11	inferior conj	7064 Dec 18 16:11	29°♏11'19	-1°14'38
	7064 Feb 02 10:39	0°♏		minimum elong	7064 Dec 18 18:22	29°♏05'07	1°13'39
desc. node	7064 Feb 09 19:10	11°♏30'58		asc. node	7064 Dec 22 08:44	25°♏21'52	
morning set	7064 Feb 10 16:23	12°♏54'25		morning rise	7064 Dec 24 22:20	23°♏36'12	
	7064 Feb 21 13:46	0°♏		direct	7064 Dec 27 15:33	22°♏56'19	
max. Earth dist.	7064 Feb 26 05:50	7°♏18'45	1.45368 AU	morning max el	7065 Jan 03 02:36	26°♏22'50	18°07'07
					7065 Jan 06 06:13	0°♏	
superior conj	7064 Feb 26 23:14	8°♏26'55	-1°43'46	morning set	7065 Jan 21 11:59	23°♏39'03	
minimum elong	7064 Feb 26 13:51	7°♏50'08	1°42'55		7065 Jan 25 09:25	0°♏	
	7064 Mar 11 14:20	0°♏		desc. node	7065 Jan 26 16:12	2°♏04'46	
evening rise	7064 Mar 13 10:59	2°♏58'36					
greatest brilliancy	7064 Mar 21 02:43	15°♏13'59	-0.9m	superior conj	7065 Feb 05 05:17	17°♏19'51	-1°04'20
	7064 Mar 30 23:18	0°♏		minimum elong	7065 Feb 04 21:42	16°♏49'55	1°03'20
asc. node	7064 Apr 02 10:53	3°♏04'10		max. Earth dist.	7065 Feb 08 01:10	21°♏46'56	1.45342 AU
evening max el	7064 Apr 03 18:56	4°♏30'31	18°45'49		7065 Feb 13 07:21	0°♏	
retrograde	7064 Apr 10 10:48	8°♏11'55		evening rise	7065 Feb 21 10:24	12°♏37'39	
evening set	7064 Apr 13 17:18	7°♏10'35			7065 Mar 04 17:13	0°♏	
inferior conj	7064 Apr 19 08:19	1°♏30'56	3°27'02	greatest brilliancy	7065 Mar 06 05:22	2°♏16'12	-0.7m
minimum elong	7064 Apr 19 08:18	1°♏30'58	3°26'59	evening max el	7065 Mar 18 02:12	18°♏05'23	19°31'39
	7064 Apr 20 13:39	30°♏♏		asc. node	7065 Mar 20 07:55	20°♏07'17	
min. Earth dist.	7064 Apr 21 04:32	29°♏14'33	0.65500 AU	retrograde	7065 Mar 25 08:01	22°♏14'03	
morning rise	7064 Apr 24 22:44	25°♏14'46		evening set	7065 Mar 28 22:17	20°♏58'29	
direct	7064 May 01 11:47	22°♏26'42		inferior conj	7065 Apr 03 08:31	15°♏03'48	3°20'31
desc. node	7064 May 07 18:36	24°♏30'37		minimum elong	7065 Apr 03 07:20	15°♏07'41	3°20'22
	7064 May 14 10:57	0°♏		min. Earth dist.	7065 Apr 04 13:44	13°♏27'36	0.66847 AU
morning max el	7064 May 14 17:21	0°♏16'07	26°53'26	morning rise	7065 Apr 08 16:05	8°♏47'02	
	7064 Jun 05 18:36	0°♏		direct	7065 Apr 14 18:55	6°♏03'39	
morning set	7064 Jun 19 11:57	24°♏07'29		desc. node	7065 Apr 24 15:37	11°♏04'48	
	7064 Jun 22 12:21	0°♏		morning max el	7065 Apr 27 03:08	13°♏26'43	25°42'13
max. Earth dist.	7064 Jun 23 19:39	2°♏36'10	1.34096 AU		7065 May 10 12:50	0°♏	

	7065 May 29 12:48	0°♂		morning set	7066 May 15 06:06	18°♂20'11	
morning set	7065 Jun 02 06:45	6°♂42'40		max. Earth dist.	7066 May 18 21:58	24°♂48'38	1.37886 AU
max. Earth dist.	7065 Jun 06 00:49	13°♂42'41	1.35806 AU		7066 May 21 18:14	0°♂	
superior conj	7065 Jun 11 18:12	24°♂55'18	-0°44'38	superior conj	7066 May 25 23:25	7°♂56'33	-1°15'24
minimum elong	7065 Jun 11 20:48	25°♂08'20	0°44'12	minimum elong	7066 May 26 03:52	8°♂17'52	1°14'46
	7065 Jun 14 06:21	0°♂		asc. node	7066 Jun 03 04:08	24°♂01'52	
asc. node	7065 Jun 16 07:06	4°♂09'48		evening rise	7066 Jun 03 18:15	25°♂11'44	
evening rise	7065 Jun 19 17:45	11°♂14'08			7066 Jun 06 05:00	0°♂	
	7065 Jun 29 16:51	0°♂		evening max el	7066 Jun 20 07:45	22°♂07'21	19°06'17
evening max el	7065 Jul 07 13:25	10°♂22'24	20°06'05	retrograde	7066 Jun 29 04:26	26°♂29'06	
retrograde	7065 Jul 18 02:25	15°♂33'25		evening set	7066 Jul 01 03:14	26°♂17'18	
evening set	7065 Jul 20 00:05	15°♂24'01		desc. node	7066 Jul 08 11:54	22°♂45'38	
desc. node	7065 Jul 21 14:52	15°♂02'07		inferior conj	7066 Jul 09 12:04	22°♂04'47	-0°18'13
inferior conj	7065 Jul 29 01:46	11°♂25'12	-2°14'37	minimum elong	7066 Jul 09 11:17	22°♂06'07	0°17'59
minimum elong	7065 Jul 28 19:33	11°♂34'28	2°12'23	min. Earth dist.	7066 Jul 12 09:55	20°♂06'16	0.56294 AU
min. Earth dist.	7065 Jul 30 19:35	10°♂22'51	0.55057 AU	morning rise	7066 Jul 17 16:14	17°♂14'34	
morning rise	7065 Aug 06 13:30	7°♂10'07		direct	7066 Jul 22 20:14	16°♂12'21	
direct	7065 Aug 10 20:32	6°♂29'59		morning max el	7066 Aug 06 01:11	23°♂29'03	25°42'23
morning max el	7065 Aug 24 11:55	13°♂11'28	24°02'33		7066 Aug 11 22:25	0°♂	
	7065 Sep 06 10:15	0°♂		asc. node	7066 Aug 30 03:28	29°♂57'28	
asc. node	7065 Sep 12 06:27	10°♂25'23			7066 Aug 30 03:58	0°♂	
morning set	7065 Sep 18 01:30	22°♂11'34		morning set	7066 Sep 02 12:50	6°♂59'41	
	7065 Sep 21 16:25	0°♂		superior conj	7066 Sep 09 10:22	22°♂03'17	1°28'20
superior conj	7065 Sep 24 23:49	7°♂12'18	1°38'05	minimum elong	7066 Sep 09 08:22	21°♂52'19	1°28'07
minimum elong	7065 Sep 24 22:32	7°♂05'22	1°38'01	max. Earth dist.	7066 Sep 10 11:06	24°♂19'24	1.32178 AU
max. Earth dist.	7065 Sep 27 04:30	11°♂56'27	1.33006 AU		7066 Sep 13 01:34	0°♂	
evening rise	7065 Oct 02 10:14	22°♂51'37		evening rise	7066 Sep 16 11:07	7°♂12'40	
	7065 Oct 06 01:20	0°♂			7066 Sep 28 12:52	0°♂	
desc. node	7065 Oct 17 13:58	20°♂05'59		desc. node	7066 Oct 04 11:00	9°♂24'46	
	7065 Oct 24 06:37	0°♂		evening max el	7066 Oct 18 12:01	26°♂44'46	27°20'48
evening max el	7065 Nov 05 03:16	13°♂59'16	27°26'48		7066 Oct 22 08:27	0°♂	
retrograde	7065 Nov 18 18:39	21°♂17'41		retrograde	7066 Nov 01 07:40	3°♂57'52	
evening set	7065 Nov 25 19:41	18°♂43'05		evening set	7066 Nov 08 10:38	1°♂36'25	
min. Earth dist.	7065 Nov 29 13:34	15°♂25'11	0.63829 AU		7066 Nov 10 15:10	30°♂	
inferior conj	7065 Dec 02 02:55	12°♂47'35	-2°20'51	min. Earth dist.	7066 Nov 12 02:28	28°♂45'16	0.61949 AU
minimum elong	7065 Dec 02 07:14	12°♂36'30	2°19'06	inferior conj	7066 Nov 15 01:52	26°♂02'24	-3°28'00
morning rise	7065 Dec 08 20:26	7°♂27'25		minimum elong	7066 Nov 15 08:06	25°♂48'10	3°25'52
asc. node	7065 Dec 09 05:46	7°♂18'52		morning rise	7066 Nov 22 07:34	21°♂00'38	
direct	7065 Dec 11 07:00	6°♂57'59		direct	7066 Nov 24 14:19	20°♂38'02	
morning max el	7065 Dec 17 19:42	10°♂22'04	17°50'10	asc. node	7066 Nov 26 02:48	20°♂48'24	
	7065 Dec 31 02:44	0°♂		morning max el	7066 Dec 01 11:52	24°♂07'56	17°51'14
morning set	7066 Jan 03 10:59	5°♂43'39			7066 Dec 06 05:27	0°♂	
desc. node	7066 Jan 13 13:11	22°♂45'59		morning set	7066 Dec 17 07:04	18°♂48'25	
					7066 Dec 23 13:24	0°♂	
superior conj	7066 Jan 16 04:16	27°♂04'48	-0°18'46	superior conj	7066 Dec 28 04:51	8°♂04'08	0°23'17
minimum elong	7066 Jan 16 02:10	26°♂56'17	0°18'23	minimum elong	7066 Dec 28 06:55	8°♂12'59	0°23'02
	7066 Jan 17 23:25	0°♂		desc. node	7066 Dec 31 10:10	13°♂31'14	
max. Earth dist.	7066 Jan 21 19:35	6°♂09'18	1.44588 AU	max. Earth dist.	7067 Jan 04 10:58	20°♂10'55	1.43197 AU
evening rise	7066 Jan 31 21:48	21°♂54'24			7067 Jan 10 14:19	0°♂	
	7066 Feb 06 05:12	0°♂		evening rise	7067 Jan 11 12:34	1°♂27'05	
	7066 Feb 27 14:09	0°♂			7067 Jan 30 18:22	0°♂	
evening max el	7066 Mar 01 04:17	1°♂42'25	20°32'21	evening max el	7067 Feb 12 00:56	15°♂20'29	21°44'25
asc. node	7066 Mar 07 04:57	6°♂04'34		retrograde	7067 Feb 21 04:01	20°♂45'09	
retrograde	7066 Mar 09 06:25	6°♂26'41		asc. node	7067 Feb 22 01:59	20°♂40'47	
evening set	7066 Mar 13 05:38	4°♂56'15		evening set	7067 Feb 25 13:34	18°♂59'21	
	7066 Mar 17 16:38	30°♂		inferior conj	7067 Mar 02 21:20	12°♂41'22	2°34'05
inferior conj	7066 Mar 18 13:37	28°♂48'37	3°02'15	minimum elong	7067 Mar 02 19:03	12°♂49'22	2°33'29
minimum elong	7066 Mar 18 11:40	28°♂55'18	3°01'53	min. Earth dist.	7067 Mar 02 23:58	12°♂32'14	0.68221 AU
min. Earth dist.	7066 Mar 19 04:57	27°♂56'07	0.67749 AU	morning rise	7067 Mar 08 00:21	6°♂29'38	
morning rise	7066 Mar 23 17:28	22°♂33'37		direct	7067 Mar 13 00:02	4°♂20'37	
direct	7066 Mar 29 07:22	20°♂04'26		morning max el	7067 Mar 22 21:48	10°♂11'56	22°47'13
morning max el	7066 Apr 09 11:54	26°♂46'03	24°16'49	desc. node	7067 Mar 29 09:36	17°♂39'02	
desc. node	7066 Apr 11 12:37	28°♂54'53			7067 Apr 07 12:23	0°♂	
	7066 Apr 12 11:53	0°♂		morning set	7067 Apr 26 04:11	28°♂44'25	
	7066 May 04 03:23	0°♂					

	7067 Apr 26 22:27	0°♄			7068 Mar 30 21:22	0°♅	
max. Earth dist.	7067 Apr 30 18:24	6°♄27'25	1.40119 AU	morning set	7068 Apr 04 22:25	7°♅51'44	
				max. Earth dist.	7068 Apr 11 20:01	18°♅58'45	1.42221 AU
superior conj	7067 May 08 12:49	20°♄10'30	-1°43'11		7068 Apr 18 09:33	0°♄	
minimum elong	7067 May 08 18:19	20°♄35'34	1°42'39				
	7067 May 13 19:59	0°♂		superior conj	7068 Apr 19 05:39	1°♄26'26	-2°03'36
evening rise	7067 May 18 09:27	8°♂39'02		minimum elong	7068 Apr 19 09:59	1°♄45'07	2°03'25
asc. node	7067 May 21 01:09	13°♂40'10		evening rise	7068 Apr 30 11:31	21°♄26'51	
	7067 May 30 16:52	0°♄			7068 May 05 05:21	0°♂	
evening max el	7067 Jun 03 11:53	4°♄30'50	18°27'07	asc. node	7068 May 06 22:12	2°♂59'29	
retrograde	7067 Jun 11 01:34	8°♄16'52		evening max el	7068 May 16 22:12	17°♂24'07	18°08'03
evening set	7067 Jun 13 06:49	7°♄58'23		retrograde	7068 May 23 16:37	20°♂50'22	
inferior conj	7067 Jun 20 19:38	3°♄25'57	1°18'18	evening set	7068 May 26 05:07	20°♂22'06	
minimum elong	7067 Jun 20 22:12	3°♄20'49	1°17'22	inferior conj	7068 Jun 02 00:07	15°♂29'19	2°25'39
min. Earth dist.	7067 Jun 24 04:57	0°♄44'25	0.58183 AU	minimum elong	7068 Jun 02 03:18	15°♂21'54	2°24'46
desc. node	7067 Jun 25 08:56	29°♂53'03		min. Earth dist.	7068 Jun 05 07:06	12°♂26'41	0.60383 AU
	7067 Jun 25 05:02	30°♂♂		morning rise	7068 Jun 08 22:54	9°♂37'48	
morning rise	7067 Jun 28 10:17	28°♂00'33		desc. node	7068 Jun 11 05:58	8°♂25'31	
direct	7067 Jul 04 09:52	26°♂27'58		direct	7068 Jun 15 12:10	7°♂32'41	
	7067 Jul 13 21:22	0°♄		morning max el	7068 Jun 29 20:07	15°♂29'00	27°45'49
morning max el	7067 Jul 18 19:13	4°♄08'52	27°00'51		7068 Jul 11 15:37	0°♄	
	7067 Aug 06 16:06	0°♂			7068 Jul 29 03:44	0°♂	
asc. node	7067 Aug 17 00:28	19°♂45'43		morning set	7068 Aug 01 03:54	6°♂06'41	
morning set	7067 Aug 17 22:13	21°♂39'45		asc. node	7068 Aug 02 21:29	9°♂44'53	
	7067 Aug 21 19:02	0°♂		max. Earth dist.	7068 Aug 07 07:36	19°♂19'15	1.31841 AU
superior conj	7067 Aug 24 22:09	6°♂54'49	1°13'30	superior conj	7068 Aug 08 09:24	21°♂41'24	0°54'01
minimum elong	7067 Aug 24 19:53	6°♂42'15	1°13'07	minimum elong	7068 Aug 08 07:20	21°♂30'00	0°53'35
max. Earth dist.	7067 Aug 24 21:23	6°♂50'34	1.31789 AU		7068 Aug 12 03:48	0°♂	
evening rise	7067 Aug 31 17:45	21°♂47'58		evening rise	7068 Aug 15 03:53	6°♂30'58	
	7067 Sep 04 17:20	0°♂			7068 Aug 27 08:56	0°♂	
desc. node	7067 Sep 21 08:04	27°♂58'12		desc. node	7068 Sep 07 05:08	15°♂27'59	
	7067 Sep 22 20:40	0°♂		evening max el	7068 Sep 11 09:19	19°♂54'26	25°29'51
evening max el	7067 Sep 30 14:39	8°♂45'00	26°41'04	retrograde	7068 Sep 25 07:34	26°♂57'47	
retrograde	7067 Oct 14 12:27	15°♂52'58		evening set	7068 Oct 01 07:14	25°♂34'35	
evening set	7067 Oct 21 08:07	13°♂55'48		min. Earth dist.	7068 Oct 05 21:14	22°♂56'41	0.57838 AU
min. Earth dist.	7067 Oct 25 04:27	11°♂20'03	0.59886 AU	inferior conj	7068 Oct 08 22:35	20°♂49'43	-5°15'12
inferior conj	7067 Oct 28 09:33	8°♂46'24	-4°29'48	minimum elong	7068 Oct 09 03:10	20°♂41'45	5°14'38
minimum elong	7067 Oct 28 16:26	8°♂32'40	4°28'05	morning rise	7068 Oct 17 01:25	16°♂32'58	
morning rise	7067 Nov 05 02:58	4°♂06'29		direct	7068 Oct 19 11:31	16°♂15'03	
direct	7067 Nov 07 09:21	3°♂47'34		morning max el	7068 Oct 28 03:55	20°♂23'58	18°52'58
asc. node	7067 Nov 12 23:50	5°♂49'57		asc. node	7068 Oct 29 20:52	22°♂10'49	
morning max el	7067 Nov 14 23:48	7°♂32'01	18°11'41		7068 Nov 04 11:57	0°♂	
	7067 Nov 29 09:10	0°♂		morning set	7068 Nov 13 15:40	16°♂50'35	
morning set	7067 Nov 30 18:13	2°♂35'31			7068 Nov 20 08:52	0°♂	
superior conj	7067 Dec 10 06:05	20°♂14'47	0°56'43	superior conj	7068 Nov 22 02:53	3°♂21'22	1°20'27
minimum elong	7067 Dec 10 09:40	20°♂30'54	0°56'18	minimum elong	7068 Nov 22 06:06	3°♂36'40	1°20'11
	7067 Dec 15 18:46	0°♂		max. Earth dist.	7068 Nov 29 03:34	16°♂18'00	1.39200 AU
max. Earth dist.	7067 Dec 17 21:35	3°♂36'50	1.41323 AU	evening rise	7068 Dec 03 01:08	23°♂05'21	
desc. node	7067 Dec 18 07:12	4°♂17'26		desc. node	7068 Dec 04 04:14	25°♂00'20	
evening rise	7067 Dec 22 19:50	11°♂46'41			7068 Dec 07 04:22	0°♂	
	7068 Jan 03 13:35	0°♂			7068 Dec 27 10:42	0°♂	
evening max el	7068 Jan 25 17:08	29°♂01'09	23°03'08	evening max el	7069 Jan 07 06:40	12°♂44'46	24°22'46
	7068 Jan 26 17:13	0°♂		retrograde	7069 Jan 18 15:16	19°♂24'09	
retrograde	7068 Feb 04 23:24	5°♂06'06		evening set	7069 Jan 24 01:01	17°♂08'56	
asc. node	7068 Feb 08 23:02	3°♂46'08		asc. node	7069 Jan 25 20:06	15°♂23'03	
evening set	7068 Feb 09 20:33	3°♂05'05		min. Earth dist.	7069 Jan 28 16:46	11°♂49'21	0.67954 AU
	7068 Feb 12 18:07	30°♂♂		inferior conj	7069 Jan 29 13:08	10°♂41'00	1°12'28
inferior conj	7068 Feb 15 05:48	26°♂40'01	1°57'14	minimum elong	7069 Jan 29 11:32	10°♂46'23	1°11'54
minimum elong	7068 Feb 15 03:37	26°♂47'34	1°56'33	morning rise	7069 Feb 03 22:10	4°♂39'49	
min. Earth dist.	7068 Feb 14 20:40	27°♂11'34	0.68282 AU	direct	7069 Feb 07 18:18	3°♂15'37	
morning rise	7068 Feb 20 10:36	20°♂32'49		morning max el	7069 Feb 15 10:27	7°♂35'57	20°07'57
direct	7068 Feb 24 20:04	18°♂46'25		desc. node	7069 Mar 02 03:35	26°♂54'37	
morning max el	7068 Mar 04 12:28	23°♂48'09	21°22'11		7069 Mar 04 05:41	0°♂	
	7068 Mar 09 22:48	0°♂		morning set	7069 Mar 14 21:03	16°♂09'20	
desc. node	7068 Mar 15 06:35	7°♂02'40			7069 Mar 23 17:18	0°♅	

max. Earth dist.	7069 Mar 25 04:34	2°♿20'34	1.43930 AU	greatest brilliancy	7070 Feb 12 06:53	9°♿52'28	-0.7m
				desc. node	7070 Feb 17 00:35	17°♿07'17	
superior conj	7069 Mar 30 21:55	11°♿36'27	-2°10'52	morning set	7070 Feb 21 23:02	24°♿45'20	
minimum elong	7069 Mar 30 21:27	11°♿34'32	2°10'53		7070 Feb 25 08:05	0°♿	
	7069 Apr 10 20:21	0°♿		max. Earth dist.	7070 Mar 07 19:30	16°♿22'16	1.45048 AU
evening rise	7069 Apr 12 19:50	3°♿24'39					
asc. node	7069 Apr 23 19:15	21°♿53'02		superior conj	7070 Mar 10 14:39	20°♿47'11	-1°59'28
	7069 Apr 29 20:24	0°♿		minimum elong	7070 Mar 10 07:28	20°♿18'47	1°59'03
evening max el	7069 Apr 30 11:12	0°♿38'02	18°08'19		7070 Mar 16 09:22	0°♿	
retrograde	7069 May 06 21:13	3°♿59'28		evening rise	7070 Mar 25 06:14	14°♿25'20	
evening set	7069 May 09 16:45	3°♿19'17			7070 Apr 03 18:56	0°♿	
	7069 May 14 02:03	30°♿8		asc. node	7070 Apr 10 16:18	10°♿12'29	
inferior conj	7069 May 15 21:51	28°♿07'22	3°05'55	evening max el	7070 Apr 13 23:52	14°♿04'44	18°27'04
minimum elong	7069 May 16 00:05	28°♿01'26	3°05'30	retrograde	7070 Apr 20 11:02	17°♿34'59	
min. Earth dist.	7069 May 18 17:54	25°♿07'55	0.62578 AU	evening set	7070 Apr 23 13:30	16°♿41'32	
morning rise	7069 May 22 05:48	22°♿00'34		inferior conj	7070 Apr 29 08:38	11°♿11'42	3°24'20
direct	7069 May 29 00:52	19°♿29'11		minimum elong	7070 Apr 29 09:26	11°♿09'21	3°24'14
desc. node	7069 May 29 02:58	19°♿29'12		min. Earth dist.	7070 May 01 13:52	8°♿35'36	0.64542 AU
morning max el	7069 Jun 12 02:34	27°♿31'40	27°52'49	morning rise	7070 May 05 04:32	4°♿57'40	
	7069 Jun 14 10:56	0°♿		direct	7070 May 11 21:42	2°♿11'51	
	7069 Jul 05 08:53	0°♿		desc. node	7070 May 15 23:59	3°♿04'39	
morning set	7069 Jul 16 03:48	20°♿14'16		morning max el	7070 May 25 12:02	10°♿09'11	27°23'50
asc. node	7069 Jul 20 18:32	29°♿50'22			7070 Jun 10 02:03	0°♿	
	7069 Jul 20 20:20	0°♿			7070 Jun 27 18:50	0°♿	
max. Earth dist.	7069 Jul 21 13:46	1°♿33'18	1.32342 AU	morning set	7070 Jun 29 19:12	3°♿53'41	
				max. Earth dist.	7070 Jul 04 12:04	13°♿21'45	1.33319 AU
superior conj	7069 Jul 23 18:21	6°♿17'36	0°30'22				
minimum elong	7069 Jul 23 16:59	6°♿10'11	0°30'02	superior conj	7070 Jul 07 22:54	20°♿36'12	0°03'10
evening rise	7069 Jul 30 15:34	21°♿15'42		minimum elong	7070 Jul 07 22:45	20°♿35'23	0°03'04
	7069 Aug 03 20:34	0°♿		behind sun begin	7070 Jul 07 17:21	20°♿06'42	
	7069 Aug 23 12:05	0°♿		behind sun end	7070 Jul 08 04:09	21°♿04'06	
evening max el	7069 Aug 23 21:57	0°♿24'07	23°57'13	asc. node	7070 Jul 07 15:32	19°♿57'01	
desc. node	7069 Aug 25 02:10	1°♿29'37			7070 Jul 12 08:12	0°♿	
retrograde	7069 Sep 06 14:55	7°♿16'43		evening rise	7070 Jul 15 02:50	5°♿55'15	
evening set	7069 Sep 11 05:55	6°♿29'39			7070 Jul 28 00:02	0°♿	
min. Earth dist.	7069 Sep 17 08:31	3°♿30'50	0.56098 AU	evening max el	7070 Aug 05 11:17	10°♿40'59	22°18'46
inferior conj	7069 Sep 19 15:28	2°♿07'01	-5°27'33	desc. node	7070 Aug 11 23:13	15°♿30'30	
minimum elong	7069 Sep 19 13:55	2°♿09'23	5°27'30	retrograde	7070 Aug 18 09:37	17°♿06'49	
	7069 Sep 23 07:12	30°♿8		evening set	7070 Aug 21 12:42	16°♿45'14	
morning rise	7069 Sep 28 00:12	28°♿09'49		min. Earth dist.	7070 Aug 29 17:34	13°♿11'05	0.54989 AU
direct	7069 Sep 30 18:25	27°♿50'20		inferior conj	7070 Aug 30 15:03	12°♿40'48	-4°49'54
	7069 Oct 07 14:42	0°♿		minimum elong	7070 Aug 30 07:01	12°♿52'08	4°48'21
morning max el	7069 Oct 10 20:58	2°♿34'26	19°56'15	morning rise	7070 Sep 08 03:02	8°♿52'05	
asc. node	7069 Oct 16 17:54	9°♿36'05		direct	7070 Sep 11 09:03	8°♿28'18	
	7069 Oct 28 03:21	0°♿		morning max el	7070 Sep 23 01:11	13°♿56'24	21°20'59
morning set	7069 Oct 28 20:05	1°♿24'37		asc. node	7070 Oct 03 14:55	27°♿50'31	
					7070 Oct 04 21:10	0°♿	
superior conj	7069 Nov 05 14:10	17°♿09'38	1°35'03	morning set	7070 Oct 13 04:50	16°♿09'42	
minimum elong	7069 Nov 05 16:10	17°♿19'36	1°34'59		7070 Oct 19 19:02	0°♿	
max. Earth dist.	7069 Nov 11 09:09	28°♿24'16	1.37092 AU				
	7069 Nov 12 05:36	0°♿		superior conj	7070 Oct 20 11:42	1°♿26'46	1°41'36
evening rise	7069 Nov 15 03:51	5°♿21'43		minimum elong	7070 Oct 20 12:17	1°♿29'46	1°41'37
desc. node	7069 Nov 21 01:17	15°♿36'10		max. Earth dist.	7070 Oct 24 19:53	10°♿17'39	1.35209 AU
	7069 Nov 30 02:40	0°♿		evening rise	7070 Oct 29 00:19	18°♿25'43	
evening max el	7069 Dec 20 19:37	26°♿31'09	25°36'23		7070 Nov 04 09:24	0°♿	
	7069 Dec 24 18:47	0°♿		desc. node	7070 Nov 07 22:20	5°♿59'41	
retrograde	7070 Jan 02 02:36	3°♿34'18			7070 Nov 24 07:14	0°♿	
evening set	7070 Jan 08 01:19	1°♿07'06		evening max el	7070 Dec 03 08:50	10°♿14'39	26°36'36
	7070 Jan 09 06:26	30°♿8		retrograde	7070 Dec 16 08:28	17°♿30'09	
min. Earth dist.	7070 Jan 12 09:58	26°♿21'56	0.67256 AU	evening set	7070 Dec 22 19:37	14°♿54'47	
asc. node	7070 Jan 12 17:09	25°♿59'11		min. Earth dist.	7070 Dec 26 21:53	10°♿44'35	0.66197 AU
inferior conj	7070 Jan 13 17:30	24°♿41'15	0°20'23	inferior conj	7070 Dec 28 16:54	8°♿36'29	-0°38'17
minimum elong	7070 Jan 13 16:59	24°♿42'54	0°20'14	minimum elong	7070 Dec 28 17:58	8°♿33'19	0°37'46
morning rise	7070 Jan 19 09:04	18°♿48'04		asc. node	7070 Dec 30 14:11	6°♿25'22	
direct	7070 Jan 22 17:21	17°♿43'43		morning rise	7071 Jan 03 17:08	2°♿53'53	
morning max el	7070 Jan 29 16:15	21°♿34'04	19°08'11	direct	7071 Jan 06 15:22	2°♿06'02	
	7070 Feb 05 13:11	0°♿		morning max el	7071 Jan 13 04:30	5°♿38'00	18°24'36

	7071 Jan 30 03:38	0°♊		direct	7071 Dec 21 10:00	16°♊17'08	
morning set	7071 Feb 02 01:26	4°♊38'41		morning max el	7071 Dec 27 20:42	19°♊41'09	17°57'49
desc. node	7071 Feb 03 21:35	7°♊34'50			7072 Jan 04 15:15	0°♊	
				morning set	7072 Jan 14 09:19	15°♊59'28	
superior conj	7071 Feb 17 18:57	29°♊30'56 -1°28'32		desc. node	7072 Jan 21 18:35	28°♊12'12	
minimum elong	7071 Feb 17 09:29	28°♊53'54 1°27'29			7072 Jan 22 21:02	0°♊	
	7071 Feb 18 02:22	0°♊					
max. Earth dist.	7071 Feb 18 14:38	0°♊48'05 1.45451 AU		superior conj	7072 Jan 28 06:16	8°♊40'38 -0°45'05	
evening rise	7071 Mar 05 17:21	24°♊30'38		minimum elong	7072 Jan 28 00:56	8°♊19'19 0°44'17	
	7071 Mar 09 04:55	0°♊		max. Earth dist.	7072 Feb 01 10:26	15°♊17'43 1.45105 AU	
greatest brilliancy	7071 Mar 15 18:44	10°♊18'25 -0.8m			7072 Feb 10 20:48	0°♊	
evening max el	7071 Mar 28 09:42	27°♊38'21 19°03'22		evening rise	7072 Feb 13 10:02	3°♊56'05	
asc. node	7071 Mar 28 13:20	27°♊47'30		greatest brilliancy	7072 Feb 27 18:58	25°♊42'56 -0.6m	
	7071 Mar 31 03:30	0°♊			7072 Mar 01 17:58	0°♊	
retrograde	7071 Apr 04 06:25	1°♊29'42		evening max el	7072 Mar 10 14:48	11°♊14'03 19°55'48	
evening set	7071 Apr 07 16:13	0°♊22'13		asc. node	7072 Mar 14 10:23	14°♊24'35	
	7071 Apr 08 04:50	30°♊♊		retrograde	7072 Mar 18 04:29	15°♊37'04	
inferior conj	7071 Apr 13 04:51	24°♊35'58 3°25'50		evening set	7072 Mar 21 22:27	14°♊15'03	
minimum elong	7071 Apr 13 04:18	24°♊37'43 3°25'46		inferior conj	7072 Mar 27 07:25	8°♊14'19 3°14'03	
min. Earth dist.	7071 Apr 14 18:32	22°♊36'10 0.66130 AU		minimum elong	7072 Mar 27 05:52	8°♊19'33 3°13'50	
morning rise	7071 Apr 18 15:59	18°♊19'28		min. Earth dist.	7072 Mar 28 06:28	6°♊56'54 0.67282 AU	
direct	7071 Apr 25 01:13	15°♊32'11		morning rise	7072 Apr 01 13:03	1°♊58'11	
desc. node	7071 May 02 20:59	18°♊43'15			7072 Apr 04 10:18	30°♊♊	
morning max el	7071 May 07 22:16	23°♊11'24 26°25'35		direct	7072 Apr 07 10:31	29°♊20'12	
	7071 May 13 23:05	0°♊			7072 Apr 10 16:04	0°♊	
	7071 Jun 03 09:54	0°♊		desc. node	7072 Apr 18 17:59	5°♊52'46	
morning set	7071 Jun 12 22:45	16°♊55'45		morning max el	7072 Apr 19 07:41	6°♊27'01 25°07'09	
max. Earth dist.	7071 Jun 16 23:52	24°♊42'29 1.34777 AU			7072 May 07 13:52	0°♊	
	7071 Jun 19 15:37	0°♊		morning set	7072 May 25 09:58	29°♊08'15	
					7072 May 25 21:30	0°♊	
superior conj	7071 Jun 21 20:47	4°♊30'55 -0°26'44		max. Earth dist.	7072 May 29 01:21	5°♊46'42 1.36661 AU	
minimum elong	7071 Jun 21 22:17	4°♊38'39 0°26'30					
asc. node	7071 Jun 24 12:33	10°♊01'18		superior conj	7072 Jun 04 09:04	17°♊53'47 -0°57'49	
evening rise	7071 Jun 29 11:46	20°♊23'51		minimum elong	7072 Jun 04 12:29	18°♊10'37 0°57'17	
	7071 Jul 04 06:04	0°♊		asc. node	7072 Jun 10 09:34	29°♊58'54	
evening max el	7071 Jul 18 09:27	21°♊18'42 20°49'27			7072 Jun 10 09:47	0°♊	
retrograde	7071 Jul 29 21:49	26°♊59'54		evening rise	7072 Jun 12 16:06	4°♊34'49	
desc. node	7071 Jul 29 20:14	26°♊59'54			7072 Jun 27 11:09	0°♊	
evening set	7071 Aug 01 01:09	26°♊48'55		evening max el	7072 Jun 29 20:31	2°♊37'35 19°38'01	
inferior conj	7071 Aug 10 07:39	22°♊51'52 -3°20'35		retrograde	7072 Jul 09 15:51	7°♊27'04	
minimum elong	7071 Aug 09 22:59	23°♊04'12 3°17'50		evening set	7072 Jul 11 12:43	7°♊17'18	
min. Earth dist.	7071 Aug 11 03:10	22°♊24'08 0.54759 AU		desc. node	7072 Jul 15 17:14	5°♊52'43	
morning rise	7071 Aug 18 20:50	18°♊52'36		inferior conj	7072 Jul 20 08:06	3°♊13'30 -1°24'08	
direct	7071 Aug 22 17:30	18°♊20'40		minimum elong	7072 Jul 20 04:15	3°♊19'32 1°22'43	
morning max el	7071 Sep 04 18:46	24°♊35'46 23°01'49		min. Earth dist.	7072 Jul 22 15:34	1°♊46'30 0.55483 AU	
	7071 Sep 09 17:44	0°♊			7072 Jul 25 18:26	30°♊♊	
asc. node	7071 Sep 20 11:56	16°♊42'21		morning rise	7072 Jul 28 17:28	28°♊44'12	
	7071 Sep 27 04:30	0°♊		direct	7072 Aug 02 08:54	27°♊56'13	
morning set	7071 Sep 27 15:56	1°♊00'11			7072 Aug 09 19:25	0°♊	
				morning max el	7072 Aug 16 07:51	4°♊53'57 24°46'44	
superior conj	7071 Oct 04 16:14	16°♊03'18 1°41'09			7072 Sep 03 04:43	0°♊	
minimum elong	7071 Oct 04 15:33	15°♊59'37 1°41'09		asc. node	7072 Sep 06 08:56	6°♊02'15	
max. Earth dist.	7071 Oct 07 14:52	22°♊17'41 1.33689 AU		morning set	7072 Sep 11 03:41	15°♊51'08	
	7071 Oct 11 09:01	0°♊			7072 Sep 17 15:48	0°♊	
evening rise	7071 Oct 12 10:32	2°♊07'02					
desc. node	7071 Oct 25 19:21	26°♊04'52		superior conj	7072 Sep 18 01:14	0°♊51'37 1°34'37	
	7071 Oct 28 06:59	0°♊		minimum elong	7072 Sep 17 23:37	0°♊42'43 1°34'29	
evening max el	7071 Nov 15 21:35	23°♊44'59 27°16'04		max. Earth dist.	7072 Sep 19 17:47	4°♊32'30 1.32595 AU	
	7071 Nov 24 14:50	0°♊		evening rise	7072 Sep 25 06:58	16°♊16'25	
retrograde	7071 Nov 29 08:18	1°♊03'58			7072 Oct 02 08:38	0°♊	
	7071 Dec 03 18:18	30°♊♊		desc. node	7072 Oct 11 16:23	15°♊43'59	
evening set	7071 Dec 06 05:39	28°♊26'28			7072 Oct 22 00:33	0°♊	
min. Earth dist.	7071 Dec 10 02:10	24°♊50'34 0.64788 AU		evening max el	7072 Oct 28 08:19	6°♊50'27 27°28'11	
inferior conj	7071 Dec 12 08:59	22°♊21'18 -1°42'23		retrograde	7072 Nov 11 01:45	14°♊07'19	
minimum elong	7071 Dec 12 12:03	22°♊12'56 1°41'03		evening set	7072 Nov 18 04:40	11°♊36'36	
asc. node	7071 Dec 17 11:14	17°♊37'15		min. Earth dist.	7072 Nov 21 21:01	8°♊31'26 0.63058 AU	
morning rise	7071 Dec 18 19:48	16°♊52'13		inferior conj	7072 Nov 24 15:07	5°♊49'45 -2°49'31	

minimum elong	7072 Nov 24 20:19	5°♊37'01	2°47'32	morning rise	7073 Nov 14 18:54	14°♍00'02	
morning rise	7072 Dec 01 13:49	0°♊37'23		direct	7073 Nov 17 00:50	13°♍39'31	
asc. node	7072 Dec 03 08:16	0°♊12'57		asc. node	7073 Nov 20 05:19	14°♍22'33	
direct	7072 Dec 03 22:23	0°♊11'18		morning max el	7073 Nov 24 04:47	17°♍14'49	17°57'29
morning max el	7072 Dec 10 13:55	3°♊36'39	17°48'26		7073 Dec 03 05:48	0°♊	
morning set	7072 Dec 26 18:09	28°♊32'23		morning set	7073 Dec 09 21:18	11°♊56'54	
	7072 Dec 27 14:10	0°♊			7073 Dec 19 21:01	0°♊	
superior conj	7073 Jan 07 15:56	18°♊57'21	-0°00'06	superior conj	7073 Dec 20 03:30	0°♊28'22	0°38'37
minimum elong	7073 Jan 07 15:55	18°♊57'18	0°00'02	minimum elong	7073 Dec 20 06:30	0°♊41'30	0°38'15
behind sun begin	7073 Jan 07 07:07	18°♊20'40		desc. node	7073 Dec 25 12:36	9°♊41'59	
behind sun end	7073 Jan 08 00:43	19°♊33'51		max. Earth dist.	7073 Dec 27 16:37	13°♊18'40	1.42445 AU
desc. node	7073 Jan 07 15:36	18°♊55'59		evening rise	7074 Jan 02 17:30	23°♊04'38	
max. Earth dist.	7073 Jan 14 03:45	29°♊33'07	1.44062 AU		7074 Jan 07 03:53	0°♊	
	7073 Jan 14 10:28	0°♊			7074 Jan 28 02:13	0°♊	
evening rise	7073 Jan 22 20:57	13°♊15'00		evening max el	7074 Feb 04 08:59	8°♊29'45	22°17'27
	7073 Feb 02 23:07	0°♊		retrograde	7074 Feb 13 23:47	14°♊12'16	
evening max el	7073 Feb 21 14:26	24°♊50'58	21°01'46	asc. node	7074 Feb 16 04:30	13°♊47'23	
asc. node	7073 Mar 01 07:26	29°♊49'12		evening set	7074 Feb 18 14:00	12°♊20'12	
retrograde	7073 Mar 02 02:54	29°♊52'38		inferior conj	7074 Feb 23 22:13	5°♊58'44	2°19'30
evening set	7073 Mar 06 06:16	28°♊15'43		minimum elong	7074 Feb 23 19:54	6°♊06'46	2°18'50
inferior conj	7073 Mar 11 13:55	22°♊03'04	2°51'26	min. Earth dist.	7074 Feb 23 19:49	6°♊07'03	0.68293 AU
minimum elong	7073 Mar 11 11:46	22°♊10'31	2°50'58		7074 Feb 28 20:23	30°♊	
min. Earth dist.	7073 Mar 11 23:41	21°♊29'16	0.67998 AU	morning rise	7074 Mar 01 01:39	29°♊48'31	
morning rise	7073 Mar 16 17:03	15°♊49'05		direct	7074 Mar 05 19:14	27°♊48'49	
direct	7073 Mar 22 00:51	13°♊28'06			7074 Mar 11 08:54	0°♊	
morning max el	7073 Apr 01 16:44	19°♊49'32	23°38'39	morning max el	7074 Mar 15 04:08	3°♊18'54	22°09'59
desc. node	7073 Apr 05 15:00	24°♊08'02		desc. node	7074 Mar 23 12:00	13°♊10'30	
	7073 Apr 10 08:19	0°♊			7074 Apr 04 10:05	0°♊	
	7073 Apr 30 18:12	0°♊		morning set	7074 Apr 17 09:26	20°♊07'19	
morning set	7073 May 06 23:16	10°♊16'27		max. Earth dist.	7074 Apr 22 18:38	28°♊59'39	1.41040 AU
max. Earth dist.	7073 May 10 21:05	17°♊01'57	1.38828 AU		7074 Apr 23 08:59	0°♊	
superior conj	7073 May 18 08:05	0°♊35'52	-1°27'47	superior conj	7074 Apr 30 13:23	12°♊26'44	-1°53'05
minimum elong	7073 May 18 13:09	0°♊59'38	1°27'09	minimum elong	7074 Apr 30 18:45	12°♊50'41	1°52'40
	7073 May 18 00:26	0°♊			7074 May 10 03:28	0°♊	
evening rise	7073 May 27 13:05	18°♊20'29		evening rise	7074 May 10 23:14	1°♊32'10	
asc. node	7073 May 28 06:36	19°♊45'35		asc. node	7074 May 15 03:38	9°♊16'38	
	7073 Jun 02 16:47	0°♊		evening max el	7074 May 27 02:48	27°♊18'10	18°16'43
evening max el	7073 Jun 12 19:27	14°♊39'57	18°47'08		7074 May 30 17:27	0°♊	
retrograde	7073 Jun 21 01:47	18°♊44'45		retrograde	7074 Jun 03 06:45	0°♊53'30	
evening set	7073 Jun 23 02:51	18°♊30'42		evening set	7074 Jun 05 15:11	0°♊31'09	
inferior conj	7073 Jul 01 03:12	14°♊10'19	0°26'02		7074 Jun 06 23:04	30°♊	
minimum elong	7073 Jul 01 04:12	14°♊08'29	0°25'35	inferior conj	7074 Jun 12 20:02	25°♊50'18	1°50'24
desc. node	7073 Jul 02 14:17	13°♊05'53		minimum elong	7074 Jun 12 23:08	25°♊43'41	1°49'23
min. Earth dist.	7073 Jul 04 08:00	11°♊50'56	0.57031 AU	min. Earth dist.	7074 Jun 16 05:55	22°♊56'41	0.59099 AU
morning rise	7073 Jul 09 02:05	9°♊04'01		desc. node	7074 Jun 19 11:19	20°♊37'11	
direct	7073 Jul 14 14:47	7°♊49'28		morning rise	7074 Jun 20 04:00	20°♊12'40	
morning max el	7073 Jul 28 22:51	15°♊18'43	26°19'15	direct	7074 Jun 26 10:34	18°♊25'40	
	7073 Aug 09 19:09	0°♊		morning max el	7074 Jul 10 19:37	26°♊14'18	27°24'25
asc. node	7073 Aug 24 05:57	25°♊41'57			7074 Jul 14 08:26	0°♊	
	7073 Aug 26 07:29	0°♊			7074 Aug 03 06:05	0°♊	
morning set	7073 Aug 26 14:24	0°♊36'36		morning set	7074 Aug 10 22:27	15°♊11'58	
				asc. node	7074 Aug 11 02:58	15°♊35'38	
superior conj	7073 Sep 02 12:34	15°♊43'57	1°22'39	max. Earth dist.	7074 Aug 17 12:52	29°♊30'46	1.31758 AU
minimum elong	7073 Sep 02 10:24	15°♊31'59	1°22'21		7074 Aug 17 18:08	0°♊	
max. Earth dist.	7073 Sep 03 02:12	16°♊59'24	1.31951 AU				
evening rise	7073 Sep 09 10:35	0°♊44'30		superior conj	7074 Aug 18 00:23	0°♊34'33	1°05'47
	7073 Sep 09 02:07	0°♊		minimum elong	7074 Aug 17 22:08	0°♊22'09	1°05'23
	7073 Sep 25 09:16	0°♊		evening rise	7074 Aug 24 19:00	15°♊24'24	
desc. node	7073 Sep 28 13:25	4°♊45'33			7074 Sep 01 01:00	0°♊	
evening max el	7073 Oct 10 14:39	19°♊17'45	27°08'04	desc. node	7074 Sep 15 10:28	22°♊54'33	
retrograde	7073 Oct 24 11:49	26°♊29'27			7074 Sep 21 14:41	0°♊	
evening set	7073 Oct 31 12:50	24°♊16'50		evening max el	7074 Sep 22 14:12	0°♊57'12	26°14'17
min. Earth dist.	7073 Nov 04 05:21	21°♊33'56	0.61079 AU	retrograde	7074 Oct 06 12:43	8°♊02'57	
inferior conj	7073 Nov 07 08:01	18°♊52'43	-3°55'24	evening set	7074 Oct 13 01:22	6°♊19'42	
minimum elong	7073 Nov 07 14:46	18°♊38'07	3°53'20	min. Earth dist.	7074 Oct 17 03:25	3°♊45'03	0.59001 AU

inferior conj	7074 Oct 20 08:11	1°♍20'47	-4°51'55	min. Earth dist.	7075 Sep 28 17:10	14°♊54'43	0.57049 AU
minimum elong	7074 Oct 20 14:32	1°♍08'47	4°50'40	inferior conj	7075 Oct 01 12:37	13°♊04'37	-5°25'35
	7074 Oct 22 03:55	30°♋♊		minimum elong	7075 Oct 01 15:00	13°♊00'43	5°25'26
morning rise	7074 Oct 28 05:56	26°♊50'21		morning rise	7075 Oct 09 18:22	8°♊56'52	
direct	7074 Oct 30 13:18	26°♊32'11		direct	7075 Oct 12 07:40	8°♊38'25	
asc. node	7074 Nov 07 02:21	29°♊59'19		morning max el	7075 Oct 21 13:24	13°♊00'44	19°17'08
	7074 Nov 07 02:39	0°♍		asc. node	7075 Oct 24 23:22	16°♊49'00	
morning max el	7074 Nov 07 13:46	0°♍26'08	18°26'29		7075 Nov 02 05:47	0°♍	
morning set	7074 Nov 23 13:19	25°♍57'10		morning set	7075 Nov 07 14:06	10°♍21'27	
	7074 Nov 25 15:51	0°♌					
superior conj	7074 Dec 02 13:39	13°♌04'03	1°07'57	superior conj	7075 Nov 15 17:11	26°♍29'55	1°27'42
minimum elong	7074 Dec 02 17:14	13°♌20'36	1°07'35	minimum elong	7075 Nov 15 19:56	26°♍43'18	1°27'31
max. Earth dist.	7074 Dec 10 00:58	26°♌25'14	1.40443 AU		7075 Nov 17 12:46	0°♌	
desc. node	7074 Dec 12 09:38	0°♎27'00		max. Earth dist.	7075 Nov 22 06:42	8°♌51'44	1.38292 AU
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	7074 Dec 31 09:57	0°♏			7075 Dec 04 16:54	0°♎	
evening max el	7075 Jan 17 23:57	22°♏11'56	23°37'23	evening max el	7075 Dec 26 02:03	0°♏	
retrograde	7075 Jan 28 17:40	28°♏32'00			7075 Dec 31 13:09	5°♏57'33	24°55'14
evening set	7075 Feb 02 20:04	26°♏24'58		retrograde	7076 Jan 12 07:34	12°♏47'45	
asc. node	7075 Feb 03 01:34	26°♏13'06		evening set	7076 Jan 17 22:57	10°♏26'56	
min. Earth dist.	7075 Feb 07 16:32	20°♏45'48	0.68192 AU	asc. node	7076 Jan 20 22:36	7°♏19'25	
inferior conj	7075 Feb 08 06:25	19°♏58'23	1°39'12	min. Earth dist.	7076 Jan 22 11:34	5°♏22'13	0.67707 AU
minimum elong	7075 Feb 08 04:25	20°♏05'13	1°38'32	inferior conj	7076 Jan 23 12:42	3°♏59'30	0°51'15
morning rise	7075 Feb 13 12:42	13°♏53'29		minimum elong	7076 Jan 23 11:29	4°♏03'28	0°50'50
direct	7075 Feb 17 16:28	12°♏16'28			7076 Jan 26 18:56	30°♋♎	
morning max el	7075 Feb 25 21:32	16°♏58'55	20°48'57	morning rise	7076 Jan 29 00:15	28°♎01'41	
	7075 Mar 08 09:32	0°♏		direct	7076 Feb 01 15:14	26°♎46'13	
desc. node	7075 Mar 10 09:01	2°♏47'00			7076 Feb 08 01:10	0°♏	
morning set	7075 Mar 27 17:14	28°♏46'20		morning max el	7076 Feb 08 22:58	0°♏51'52	19°40'41
	7075 Mar 28 12:06	0°♐		greatest brilliancy	7076 Feb 21 19:01	17°♏39'30	-0.7m
max. Earth dist.	7075 Apr 04 23:19	11°♐53'43	1.43012 AU	desc. node	7076 Feb 25 06:01	22°♏48'38	
					7076 Feb 29 23:51	0°♏	
superior conj	7075 Apr 11 20:05	23°♐14'57	-2°08'40	morning set	7076 Mar 05 14:11	7°♏03'03	
minimum elong	7075 Apr 11 22:51	23°♐26'36	2°08'37	max. Earth dist.	7076 Mar 17 11:31	25°♏36'59	1.44491 AU
	7075 Apr 15 19:06	0°♑			7076 Mar 20 05:32	0°♐	
evening rise	7075 Apr 23 18:16	13°♑59'16		superior conj	7076 Mar 22 01:43	2°♐57'26	-2°08'31
asc. node	7075 May 02 00:41	28°♑25'32		minimum elong	7076 Mar 21 22:19	2°♐43'44	2°08'26
	7075 May 02 23:40	0°♒		evening rise	7076 Apr 04 17:43	25°♐33'33	
evening max el	7075 May 10 14:41	10°♒21'04	18°05'53		7076 Apr 07 08:44	0°♑	
retrograde	7075 May 17 04:05	13°♒43'15		asc. node	7076 Apr 17 21:44	17°♑05'25	
evening set	7075 May 19 19:45	13°♒09'57		evening max el	7076 Apr 23 03:49	23°♑40'37	18°13'59
inferior conj	7075 May 26 08:18	8°♒08'43	2°45'45	retrograde	7076 Apr 29 13:13	27°♑04'21	
minimum elong	7075 May 26 11:12	8°♒01'34	2°45'02	evening set	7076 May 02 11:41	26°♑18'35	
min. Earth dist.	7075 May 29 11:19	5°♒04'55	0.61334 AU	inferior conj	7076 May 08 12:03	20°♑58'31	3°16'04
morning rise	7075 Jun 02 00:33	2°♒09'52		minimum elong	7076 May 08 13:42	20°♑53'57	3°15'49
desc. node	7075 Jun 06 08:22	0°♒09'34		min. Earth dist.	7076 May 11 01:55	18°♑07'13	0.63453 AU
	7075 Jun 07 03:33	30°♋♑		morning rise	7076 May 14 14:29	14°♑47'45	
direct	7075 Jun 08 17:23	29°♑52'34		direct	7076 May 21 09:26	12°♑09'00	
	7075 Jun 10 07:56	0°♒		desc. node	7076 May 23 05:24	12°♑19'31	
morning max el	7075 Jun 22 22:53	7°♒51'42	27°53'29	morning max el	7076 Jun 04 07:08	20°♑10'26	27°44'38
	7075 Jul 09 20:18	0°♓			7076 Jun 12 17:08	0°♒	
morning set	7075 Jul 26 01:55	29°♓30'53			7076 Jul 01 21:04	0°♓	
	7075 Jul 26 07:35	0°♑		morning set	7076 Jul 08 22:32	13°♓26'50	
asc. node	7075 Jul 28 23:59	5°♑37'34		max. Earth dist.	7076 Jul 14 01:21	23°♓59'11	1.32702 AU
max. Earth dist.	7075 Jul 31 21:55	11°♑54'46	1.32004 AU	asc. node	7076 Jul 14 20:59	25°♓43'26	
superior conj	7075 Aug 02 10:51	15°♑16'58	0°44'28	superior conj	7076 Jul 16 18:08	29°♓45'32	0°19'13
minimum elong	7075 Aug 02 09:01	15°♑06'54	0°44'04	minimum elong	7076 Jul 16 17:14	29°♓40'36	0°18'58
evening rise	7075 Aug 09 06:01	0°♐08'41			7076 Jul 16 20:49	0°♑	
	7075 Aug 09 04:24	0°♐		evening rise	7076 Jul 23 17:43	14°♑51'18	
	7075 Aug 25 13:28	0°♑			7076 Jul 31 06:41	0°♐	
desc. node	7075 Sep 02 07:31	9°♑50'00		evening max el	7076 Aug 15 17:33	22°♐06'00	23°14'57
evening max el	7075 Sep 04 05:56	11°♑47'27	24°52'12	desc. node	7076 Aug 19 04:33	25°♐03'57	
retrograde	7075 Sep 18 02:35	18°♑46'36		retrograde	7076 Aug 29 04:23	28°♐50'04	
evening set	7075 Sep 23 13:52	17°♑39'16		evening set	7076 Sep 02 03:48	28°♐15'27	

































































































































min. Earth dist.	7076 Sep 09 02:41	25° \mathbb{M} 03'19	0.55531 AU		7077 Jul 08 10:37	0° \mathcal{O}	
inferior conj	7076 Sep 10 21:15	24° \mathbb{M} 01'08	-5°18'21		7077 Jul 26 02:15	0° \mathbb{M}	
minimum elong	7076 Sep 10 16:36	24° \mathbb{M} 07'57	5°17'52	evening max el	7077 Jul 28 09:42	2° \mathbb{M} 27'53	21°39'02
morning rise	7076 Sep 19 07:40	20° \mathbb{M} 09'54		desc. node	7077 Aug 06 01:35	8° \mathbb{M} 03'40	
direct	7076 Sep 22 06:33	19° \mathbb{M} 48'59		retrograde	7077 Aug 09 19:41	8° \mathbb{M} 37'16	
morning max el	7076 Oct 03 01:00	24° \mathbb{M} 50'23	20°29'58	evening set	7077 Aug 12 10:11	8° \mathbb{M} 21'54	
	7076 Oct 07 15:10	0° \mathcal{A}		inferior conj	7077 Aug 21 16:17	4° \mathbb{M} 22'05	-4°17'29
asc. node	7076 Oct 10 20:24	4° \mathcal{A} 36'21		minimum elong	7077 Aug 21 07:03	4° \mathbb{M} 35'00	4°15'10
morning set	7076 Oct 21 20:36	25° \mathcal{A} 00'44		min. Earth dist.	7077 Aug 21 12:00	4° \mathbb{M} 28'04	0.54764 AU
	7076 Oct 24 06:34	0° \mathbb{M}		morning rise	7077 Aug 30 05:05	0° \mathbb{M} 31'19	
				direct	7077 Sep 02 16:33	0° \mathbb{M} 04'57	
superior conj	7076 Oct 29 09:16	10° \mathbb{M} 31'43	1°38'45	morning max el	7077 Sep 15 00:23	5° \mathbb{M} 53'39	22°02'31
minimum elong	7076 Oct 29 10:39	10° \mathbb{M} 38'48	1°38'44	asc. node	7077 Sep 27 17:24	23° \mathbb{M} 08'03	
max. Earth dist.	7076 Nov 03 13:52	20° \mathbb{M} 49'34	1.36247 AU		7077 Oct 01 10:26	0° \mathcal{A}	
evening rise	7076 Nov 07 11:22	28° \mathbb{M} 10'09		morning set	7077 Oct 06 06:35	9° \mathcal{A} 48'53	
	7076 Nov 08 11:23	0° \mathcal{A}					
desc. node	7076 Nov 15 03:40	11° \mathcal{A} 38'08		superior conj	7077 Oct 13 10:10	24° \mathcal{A} 58'39	1°42'12
	7076 Nov 27 00:36	0° \mathcal{B}		minimum elong	7077 Oct 13 10:11	24° \mathcal{A} 58'43	1°42'14
evening max el	7076 Dec 13 01:56	19° \mathcal{B} 42'35	26°04'00		7077 Oct 15 19:55	0° \mathbb{M}	
retrograde	7076 Dec 25 16:40	26° \mathcal{B} 52'43		max. Earth dist.	7077 Oct 17 03:37	2° \mathbb{M} 42'39	1.34507 AU
evening set	7076 Dec 31 20:56	24° \mathcal{B} 21'06		evening rise	7077 Oct 21 14:11	11° \mathbb{M} 31'39	
min. Earth dist.	7077 Jan 05 02:41	19° \mathcal{B} 51'03	0.66850 AU		7077 Oct 31 20:56	0° \mathcal{A}	
inferior conj	7077 Jan 06 15:10	17° \mathcal{B} 57'43	-0°03'47	desc. node	7077 Nov 02 00:41	1° \mathcal{A} 54'38	
minimum elong	7077 Jan 06 15:16	17° \mathcal{B} 57'25	0°03'40		7077 Nov 22 08:28	0° \mathcal{B}	
transit middle	7077 Jan 06 15:16	17° \mathcal{B} 57'25	0°03'40	evening max el	7077 Nov 25 14:57	3° \mathcal{B} 21'23	26°56'16
transit begin	7077 Jan 06 12:29	18° \mathcal{B} 06'04		retrograde	7077 Dec 08 20:17	10° \mathcal{B} 40'09	
transit end	7077 Jan 06 18:02	17° \mathcal{B} 48'47		evening set	7077 Dec 15 12:03	8° \mathcal{B} 02'52	
asc. node	7077 Jan 06 19:39	17° \mathcal{B} 43'47		min. Earth dist.	7077 Dec 19 11:41	4° \mathcal{B} 07'23	0.65639 AU
morning rise	7077 Jan 12 10:12	12° \mathcal{B} 09'00		inferior conj	7077 Dec 21 11:45	1° \mathcal{B} 49'08	-1°04'57
direct	7077 Jan 15 13:56	11° \mathcal{B} 12'16		minimum elong	7077 Dec 21 13:38	1° \mathcal{B} 43'44	1°04'04
morning max el	7077 Jan 22 07:50	14° \mathcal{B} 53'25	18°47'40		7077 Dec 23 02:32	30° \mathcal{R} \mathcal{A}	
	7077 Feb 02 15:44	0° \approx		asc. node	7077 Dec 24 16:42	28° \mathcal{A} 23'01	
desc. node	7077 Feb 11 03:00	13° \approx 07'54		morning rise	7077 Dec 27 16:18	26° \mathcal{A} 11'54	
morning set	7077 Feb 13 00:47	16° \approx 07'12		direct	7077 Dec 30 10:44	25° \mathcal{A} 30'06	
	7077 Feb 21 21:35	0° \mathcal{H}		morning max el	7078 Jan 05 22:08	28° \mathcal{A} 57'50	18°11'02
max. Earth dist.	7077 Feb 28 04:27	9° \mathcal{H} 50'23	1.45310 AU	morning set	7078 Jan 06 21:56	0° \mathcal{B}	
					7078 Jan 24 15:49	26° \mathcal{B} 37'55	
superior conj	7077 Mar 01 11:02	11° \mathcal{H} 50'24	-1°48'30	desc. node	7078 Jan 26 17:38	0° \approx	
minimum elong	7077 Mar 01 02:01	11° \mathcal{H} 14'58	1°47'45		7078 Jan 28 23:59	3° \approx 39'41	
	7077 Mar 12 22:06	0° \mathcal{Y}					
evening rise	7077 Mar 16 18:06	6° \mathcal{Y} 09'35		superior conj	7078 Feb 08 15:53	20° \approx 38'37	-1°10'58
greatest brilliancy	7077 Mar 23 06:49	16° \mathcal{Y} 41'26	-0.9m	minimum elong	7078 Feb 08 07:39	20° \approx 06'10	1°09'55
	7077 Mar 31 21:42	0° \mathcal{B}		max. Earth dist.	7078 Feb 10 23:34	24° \approx 17'18	1.45394 AU
asc. node	7077 Apr 04 18:46	5° \mathcal{B} 07'05			7078 Feb 14 15:11	0° \mathcal{H}	
evening max el	7077 Apr 06 15:26	7° \mathcal{B} 10'04	18°40'22	evening rise	7078 Feb 24 20:11	15° \mathcal{H} 53'57	
retrograde	7077 Apr 13 05:53	10° \mathcal{B} 48'17			7078 Mar 05 22:27	0° \mathcal{Y}	
evening set	7077 Apr 16 11:17	9° \mathcal{B} 49'06		greatest brilliancy	7078 Mar 08 23:35	4° \mathcal{Y} 38'50	-0.7m
inferior conj	7077 Apr 22 03:16	4° \mathcal{B} 11'58	3°26'46	evening max el	7078 Mar 20 23:25	20° \mathcal{Y} 44'38	19°23'53
minimum elong	7077 Apr 22 03:28	4° \mathcal{B} 11'22	3°26'44	asc. node	7078 Mar 22 15:49	22° \mathcal{Y} 18'59	
min. Earth dist.	7077 Apr 24 01:51	1° \mathcal{B} 50'00	0.65265 AU	retrograde	7078 Mar 28 02:40	24° \mathcal{Y} 48'27	
	7077 Apr 25 16:17	30° \mathcal{R} \mathcal{Y}		evening set	7078 Mar 31 15:44	23° \mathcal{Y} 35'01	
morning rise	7077 Apr 27 18:59	27° \mathcal{Y} 56'07		inferior conj	7078 Apr 06 02:31	17° \mathcal{Y} 42'35	3°22'16
direct	7077 May 04 09:16	25° \mathcal{Y} 08'08		minimum elong	7078 Apr 06 01:30	17° \mathcal{Y} 45'55	3°22'10
desc. node	7077 May 10 02:24	26° \mathcal{Y} 50'50		min. Earth dist.	7078 Apr 07 09:56	16° \mathcal{Y} 00'02	0.66674 AU
	7077 May 14 12:14	0° \mathcal{B}		morning rise	7078 Apr 11 10:54	11° \mathcal{Y} 25'49	
morning max el	7077 May 17 17:24	3° \mathcal{B} 00'22	27°02'09	direct	7078 Apr 17 15:34	8° \mathcal{Y} 41'00	
	7077 Jun 07 00:40	0° \mathbb{I}		desc. node	7078 Apr 26 23:25	13° \mathcal{Y} 11'13	
morning set	7077 Jun 22 09:24	26° \mathbb{I} 51'46		morning max el	7078 Apr 30 03:14	16° \mathcal{Y} 08'45	25°53'58
	7077 Jun 24 00:08	0° \mathcal{E}			7078 May 11 14:01	0° \mathcal{B}	
max. Earth dist.	7077 Jun 26 19:23	5° \mathcal{E} 35'16	1.33875 AU		7078 May 30 22:02	0° \mathbb{I}	
				morning set	7078 Jun 05 06:36	9° \mathbb{I} 34'13	
superior conj	7077 Jun 30 20:10	13° \mathcal{E} 54'32	-0°09'17	max. Earth dist.	7078 Jun 09 02:08	16° \mathbb{I} 44'29	1.35526 AU
minimum elong	7077 Jun 30 20:40	13° \mathcal{E} 57'09	0°09'15				
behind sun begin	7077 Jun 30 16:01	14° \mathcal{E} 21'32		superior conj	7078 Jun 14 14:21	27° \mathbb{I} 36'32	-0°39'53
behind sun end	7077 Jul 01 01:18	14° \mathcal{E} 21'32		minimum elong	7078 Jun 14 16:39	27° \mathbb{I} 48'10	0°39'32
asc. node	7077 Jul 01 18:00	15° \mathcal{E} 49'22			7078 Jun 15 18:37	0° \mathcal{E}	
evening rise	7077 Jul 08 04:15	29° \mathcal{E} 26'39		asc. node	7078 Jun 18 15:00	5° \mathcal{E} 50'58	

evening rise	7078 Jun 22 11:30	13° \mathbb{D} 48'04			7079 Jun 07 15:29	0° \mathbb{D}	
	7078 Jun 30 21:11	0° \mathcal{Q}		evening max el	7079 Jun 23 05:53	25° \mathbb{D} 00'10	19°13'48
evening max el	7078 Jul 10 13:21	13° \mathcal{Q} 22'08	20°16'43	retrograde	7079 Jul 02 08:06	29° \mathbb{D} 28'40	
retrograde	7078 Jul 21 08:25	18° \mathcal{Q} 40'47		evening set	7079 Jul 04 06:14	29° \mathbb{D} 17'31	
evening set	7078 Jul 23 07:04	18° \mathcal{Q} 31'13		desc. node	7079 Jul 10 19:40	26° \mathbb{D} 22'46	
desc. node	7078 Jul 23 22:38	18° \mathcal{Q} 23'55		inferior conj	7079 Jul 12 17:56	25° \mathbb{D} 07'19	-0°35'00
inferior conj	7078 Aug 01 10:28	14° \mathcal{Q} 33'27	-2°32'25	minimum elong	7079 Jul 12 16:24	25° \mathbb{D} 09'52	0°34'29
minimum elong	7078 Aug 01 03:29	14° \mathcal{Q} 43'43	2°29'59	min. Earth dist.	7079 Jul 15 12:31	23° \mathbb{D} 16'44	0.56065 AU
min. Earth dist.	7078 Aug 02 22:52	13° \mathcal{Q} 40'00	0.54951 AU	morning rise	7079 Jul 20 23:39	20° \mathbb{D} 22'43	
morning rise	7078 Aug 09 22:45	10° \mathcal{Q} 23'00		direct	7079 Jul 26 00:27	19° \mathbb{D} 24'29	
direct	7078 Aug 14 03:06	9° \mathcal{Q} 45'11		morning max el	7079 Aug 09 04:04	26° \mathbb{D} 36'16	25°28'35
morning max el	7078 Aug 27 15:06	16° \mathcal{Q} 20'07	23°46'50		7079 Aug 12 10:20	0° \mathcal{Q}	
	7078 Sep 07 13:07	0° \mathcal{P}			7079 Aug 31 15:06	0° \mathcal{P}	
asc. node	7078 Sep 14 14:24	12° \mathcal{P} 12'22		asc. node	7079 Sep 01 11:25	1° \mathcal{P} 41'05	
morning set	7078 Sep 20 18:10	24° \mathcal{P} 39'32		morning set	7079 Sep 05 05:40	9° \mathcal{P} 28'08	
	7078 Sep 23 05:56	0° \mathcal{L}					
				superior conj	7079 Sep 12 03:06	24° \mathcal{P} 30'38	1°30'09
superior conj	7078 Sep 27 16:53	9° \mathcal{L} 40'37	1°39'05	minimum elong	7079 Sep 12 01:11	24° \mathcal{P} 20'08	1°29'58
minimum elong	7078 Sep 27 15:45	9° \mathcal{L} 34'30	1°39'02	max. Earth dist.	7079 Sep 13 07:51	27° \mathcal{P} 08'33	1.32273 AU
max. Earth dist.	7078 Sep 30 02:04	14° \mathcal{L} 47'44	1.33170 AU		7079 Sep 14 15:16	0° \mathcal{L}	
evening rise	7078 Oct 05 05:11	25° \mathcal{L} 25'52		evening rise	7079 Sep 19 05:01	9° \mathcal{L} 43'41	
	7078 Oct 07 12:40	0° \mathcal{M}			7079 Sep 29 20:21	0° \mathcal{M}	
desc. node	7078 Oct 19 21:44	21° \mathcal{M} 49'29		desc. node	7079 Oct 06 18:47	11° \mathcal{M} 13'40	
	7078 Oct 25 07:41	0° \mathcal{J}		evening max el	7079 Oct 21 12:40	29° \mathcal{M} 33'55	27°23'48
evening max el	7078 Nov 08 03:17	16° \mathcal{J} 43'05	27°24'59		7079 Oct 21 23:51	0° \mathcal{J}	
retrograde	7078 Nov 21 17:34	24° \mathcal{J} 01'35		retrograde	7079 Nov 04 07:42	6° \mathcal{J} 47'48	
evening set	7078 Nov 28 17:48	21° \mathcal{J} 26'04		evening set	7079 Nov 11 10:57	4° \mathcal{J} 23'37	
min. Earth dist.	7078 Dec 02 12:22	18° \mathcal{J} 03'33	0.64087 AU	min. Earth dist.	7079 Nov 15 02:46	1° \mathcal{J} 29'13	0.62241 AU
inferior conj	7078 Dec 04 24:00	15° \mathcal{J} 27'55	-2°10'41		7079 Nov 16 17:30	30° \mathcal{R} \mathcal{M}	
minimum elong	7078 Dec 05 03:59	15° \mathcal{J} 17'30	2°09'01	inferior conj	7079 Nov 18 00:55	28° \mathcal{M} 46'17	-3°18'00
morning rise	7078 Dec 11 15:44	10° \mathcal{J} 05'13		minimum elong	7079 Nov 18 06:54	28° \mathcal{M} 32'21	3°15'53
asc. node	7078 Dec 11 13:44	10° \mathcal{J} 07'18		morning rise	7079 Nov 25 04:48	23° \mathcal{M} 41'41	
direct	7078 Dec 14 03:10	9° \mathcal{J} 34'25		direct	7079 Nov 27 11:58	23° \mathcal{M} 18'14	
morning max el	7078 Dec 20 15:05	12° \mathcal{J} 58'11	17°51'33	asc. node	7079 Nov 28 10:47	23° \mathcal{M} 22'22	
	7079 Jan 01 10:26	0° \mathcal{Z}		morning max el	7079 Dec 04 07:39	26° \mathcal{M} 46'36	17°49'58
morning set	7079 Jan 06 11:12	8° \mathcal{Z} 32'07			7079 Dec 07 03:10	0° \mathcal{J}	
desc. node	7079 Jan 15 20:59	24° \mathcal{Z} 20'01		morning set	7079 Dec 20 04:37	21° \mathcal{J} 29'19	
					7079 Dec 24 23:26	0° \mathcal{Z}	
superior conj	7079 Jan 19 11:32	0° \approx 13'35	-0°25'36	superior conj	7079 Dec 31 08:19	11° \mathcal{Z} 01'58	0°17'23
minimum elong	7079 Jan 19 08:37	0° \approx 01'46	0°25'07	minimum elong	7079 Dec 31 09:56	11° \mathcal{Z} 08'50	0°17'12
	7079 Jan 19 08:11	0° \approx		desc. node	7080 Jan 02 17:59	15° \mathcal{Z} 04'52	
max. Earth dist.	7079 Jan 24 18:37	8° \approx 42'45	1.44746 AU	max. Earth dist.	7080 Jan 07 10:48	22° \mathcal{Z} 49'11	1.43437 AU
evening rise	7079 Feb 04 08:32	25° \approx 12'03			7080 Jan 11 22:26	0° \approx	
	7079 Feb 07 11:51	0° \mathcal{H}		evening rise	7080 Jan 14 21:54	4° \approx 40'12	
	7079 Feb 28 06:45	0° \mathcal{Y}			7080 Jan 31 21:20	0° \mathcal{H}	
evening max el	7079 Mar 04 02:21	4° \mathcal{Y} 21'33	20°22'30	evening max el	7080 Feb 14 23:46	17° \mathcal{H} 59'13	21°33'04
asc. node	7079 Mar 09 12:52	8° \mathcal{Y} 27'20		retrograde	7080 Feb 23 22:55	23° \mathcal{H} 17'52	
retrograde	7079 Mar 12 01:01	8° \mathcal{Y} 59'55		asc. node	7080 Feb 24 09:57	23° \mathcal{H} 16'46	
evening set	7079 Mar 15 22:53	7° \mathcal{Y} 31'37		evening set	7080 Feb 28 06:52	21° \mathcal{H} 34'16	
inferior conj	7079 Mar 21 07:03	1° \mathcal{Y} 25'45	3°05'40	inferior conj	7080 Mar 04 14:33	15° \mathcal{H} 17'31	2°38'57
minimum elong	7079 Mar 21 05:11	1° \mathcal{Y} 32'06	3°05'20	minimum elong	7080 Mar 04 12:16	15° \mathcal{H} 25'25	2°38'23
min. Earth dist.	7079 Mar 22 00:20	0° \mathcal{Y} 26'50	0.67644 AU	min. Earth dist.	7080 Mar 04 18:57	15° \mathcal{H} 02'10	0.68178 AU
	7079 Mar 22 08:15	30° \mathcal{R} \mathcal{H}		morning rise	7080 Mar 09 17:31	9° \mathcal{H} 05'12	
morning rise	7079 Mar 26 11:16	25° \mathcal{H} 10'30		direct	7080 Mar 14 19:17	6° \mathcal{H} 53'05	
direct	7079 Apr 01 03:13	22° \mathcal{H} 38'50		morning max el	7080 Mar 24 21:45	12° \mathcal{H} 52'09	23°00'27
morning max el	7079 Apr 12 12:06	29° \mathcal{H} 27'03	24°30'04	desc. node	7080 Mar 30 17:25	19° \mathcal{H} 28'18	
	7079 Apr 13 00:57	0° \mathcal{Y}			7080 Apr 07 15:35	0° \mathcal{Y}	
desc. node	7079 Apr 13 20:25	0° \mathcal{Y} 51'19			7080 Apr 27 07:08	0° \mathcal{B}	
	7079 May 05 09:50	0° \mathcal{B}		morning set	7080 Apr 28 11:23	1° \mathcal{B} 56'52	
morning set	7079 May 18 09:11	21° \mathcal{B} 21'03		max. Earth dist.	7080 May 02 20:28	9° \mathcal{B} 21'29	1.39788 AU
max. Earth dist.	7079 May 22 00:16	27° \mathcal{B} 49'08	1.37565 AU				
	7079 May 23 04:57	0° \mathcal{I}		superior conj	7080 May 10 13:34	23° \mathcal{B} 04'56	-1°39'21
superior conj	7079 May 28 21:32	10° \mathcal{I} 43'38	-1°10'50	minimum elong	7080 May 10 19:01	23° \mathcal{B} 29'57	1°38'46
minimum elong	7079 May 29 01:43	11° \mathcal{I} 03'53	1°10'14		7080 May 14 06:49	0° \mathcal{I}	
asc. node	7079 Jun 05 12:03	25° \mathcal{I} 44'35		evening rise	7080 May 20 05:56	11° \mathcal{I} 21'35	
evening rise	7079 Jun 06 13:06	27° \mathcal{I} 49'20		asc. node	7080 May 22 09:05	15° \mathcal{I} 25'10	

	7080 May 30 15:51	0°♄			7081 May 06 13:48	0°♄	
evening max el	7080 Jun 05 08:46	7°♄18'08	18°31'39	asc. node	7081 May 09 06:07	4°♄47'34	
retrograde	7080 Jun 13 02:27	11°♄08'43		evening max el	7081 May 19 18:24	20°♄07'31	18°09'41
evening set	7080 Jun 15 06:32	10°♄51'31		retrograde	7081 May 26 14:59	23°♄35'40	
inferior conj	7080 Jun 22 22:17	6°♄22'09	1°05'29	evening set	7081 May 29 02:24	23°♄09'04	
minimum elong	7080 Jun 23 00:32	6°♄17'45	1°04'38	inferior conj	7081 Jun 04 23:51	18°♄19'27	2°17'17
min. Earth dist.	7080 Jun 26 06:52	3°♄45'42	0.57870 AU	minimum elong	7081 Jun 05 03:03	18°♄12'07	2°16'20
desc. node	7080 Jun 26 16:43	3°♄27'36		min. Earth dist.	7081 Jun 08 07:56	15°♄18'14	0.60045 AU
morning rise	7080 Jun 30 15:08	1°♄01'20		morning rise	7081 Jun 12 00:58	12°♄31'05	
	7080 Jul 03 07:02	30°♄		desc. node	7081 Jun 13 13:46	11°♄40'58	
direct	7080 Jul 06 11:58	29°♄33'38		direct	7081 Jun 18 12:46	10°♄30'26	
	7080 Jul 09 18:04	0°♄		morning max el	7081 Jul 02 21:12	18°♄25'24	27°41'32
morning max el	7080 Jul 20 21:21	7°♄11'54	26°51'09		7081 Jul 12 14:28	0°♄	
	7080 Aug 06 22:12	0°♄			7081 Jul 30 14:58	0°♄	
asc. node	7080 Aug 18 08:27	21°♄27'25		morning set	7081 Aug 03 21:49	8°♄39'13	
morning set	7080 Aug 19 15:30	24°♄10'03		asc. node	7081 Aug 05 05:26	11°♄25'09	
	7080 Aug 22 08:41	0°♄		max. Earth dist.	7081 Aug 10 04:13	22°♄08'39	1.31800 AU
superior conj	7080 Aug 26 14:51	9°♄22'43	1°16'03	superior conj	7081 Aug 11 02:17	24°♄10'26	0°57'15
minimum elong	7080 Aug 26 12:36	9°♄10'14	1°15'43	minimum elong	7081 Aug 11 00:09	23°♄58'41	0°56'50
max. Earth dist.	7080 Aug 26 17:51	9°♄39'21	1.31814 AU		7081 Aug 13 17:32	0°♄	
evening rise	7080 Sep 02 10:57	24°♄17'27		evening rise	7081 Aug 17 20:40	8°♄59'35	
	7080 Sep 05 05:01	0°♄			7081 Aug 28 14:54	0°♄	
desc. node	7080 Sep 22 15:49	29°♄55'07		desc. node	7081 Sep 09 12:53	17°♄35'59	
	7080 Sep 22 17:14	0°♄		evening max el	7081 Sep 14 12:10	22°♄58'16	25°42'14
evening max el	7080 Oct 02 16:19	11°♄41'25	26°49'07		7081 Sep 27 09:44	0°♄	
retrograde	7080 Oct 16 13:56	18°♄50'30		retrograde	7081 Sep 28 10:46	0°♄02'36	
evening set	7080 Oct 23 11:26	16°♄48'49			7081 Sep 29 11:45	30°♄	
min. Earth dist.	7080 Oct 27 06:20	14°♄11'52	0.60194 AU	evening set	7081 Oct 04 14:11	28°♄34'01	
inferior conj	7080 Oct 30 11:08	11°♄35'37	-4°21'11	min. Earth dist.	7081 Oct 09 00:29	25°♄57'31	0.58130 AU
minimum elong	7080 Oct 30 18:03	11°♄21'28	4°19'22	inferior conj	7081 Oct 12 03:08	23°♄45'27	-5°10'05
morning rise	7080 Nov 07 02:55	6°♄52'26		minimum elong	7081 Oct 12 08:19	23°♄36'15	5°09'20
direct	7080 Nov 09 09:03	6°♄33'13		morning rise	7081 Oct 20 04:47	19°♄25'13	
asc. node	7080 Nov 14 07:50	8°♄10'48		direct	7081 Oct 22 13:56	19°♄07'23	
morning max el	7080 Nov 16 20:31	10°♄14'56	18°07'24	morning max el	7081 Oct 31 02:01	23°♄12'12	18°45'23
	7080 Nov 29 19:06	0°♄		asc. node	7081 Nov 01 04:51	24°♄20'27	
morning set	7080 Dec 02 13:52	5°♄11'00			7081 Nov 05 14:09	0°♄	
				morning set	7081 Nov 16 09:59	19°♄22'12	
superior conj	7080 Dec 12 06:12	23°♄03'00	0°52'14		7081 Nov 21 20:43	0°♄	
minimum elong	7080 Dec 12 09:41	23°♄18'36	0°51'50				
	7080 Dec 16 04:50	0°♄		superior conj	7081 Nov 25 00:22	6°♄01'44	1°17'27
desc. node	7080 Dec 19 15:01	5°♄51'05		minimum elong	7081 Nov 25 03:42	6°♄17'32	1°17'09
max. Earth dist.	7080 Dec 19 22:00	6°♄20'27	1.41622 AU	max. Earth dist.	7081 Dec 02 04:15	19°♄06'53	1.39524 AU
evening rise	7080 Dec 25 02:11	14°♄51'28		evening rise	7081 Dec 06 04:07	26°♄00'59	
	7081 Jan 03 19:44	0°♄		desc. node	7081 Dec 06 12:01	26°♄34'25	
	7081 Jan 26 02:34	0°♄			7081 Dec 08 13:15	0°♄	
evening max el	7081 Jan 27 16:28	1°♄39'04	22°51'09		7081 Dec 28 11:46	0°♄	
retrograde	7081 Feb 06 18:48	7°♄38'33		evening max el	7082 Jan 10 06:19	15°♄22'11	24°11'09
asc. node	7081 Feb 10 07:01	6°♄36'04		retrograde	7082 Jan 21 11:15	21°♄57'02	
evening set	7081 Feb 11 14:06	5°♄39'49		evening set	7082 Jan 26 19:02	19°♄43'57	
	7081 Feb 16 10:09	30°♄		asc. node	7082 Jan 28 04:04	18°♄25'06	
inferior conj	7081 Feb 16 23:02	29°♄15'26	2°03'24	min. Earth dist.	7082 Jan 31 11:59	14°♄19'11	0.68027 AU
minimum elong	7081 Feb 16 20:48	29°♄23'10	2°02'42	inferior conj	7082 Feb 01 06:39	13°♄16'10	1°19'47
min. Earth dist.	7081 Feb 16 15:36	29°♄41'10	0.68300 AU	minimum elong	7082 Feb 01 04:55	13°♄22'00	1°19'11
morning rise	7081 Feb 22 03:24	23°♄07'22		morning rise	7082 Feb 06 14:52	7°♄13'52	
direct	7081 Feb 26 14:55	21°♄17'34		direct	7082 Feb 10 12:56	5°♄46'22	
morning max el	7081 Mar 07 11:31	26°♄26'34	21°34'12	morning max el	7082 Feb 18 08:14	10°♄12'13	20°18'07
	7081 Mar 10 17:47	0°♄		desc. node	7082 Mar 04 11:26	28°♄34'52	
desc. node	7081 Mar 17 14:26	8°♄46'39			7082 Mar 05 10:42	0°♄	
	7081 Apr 01 04:15	0°♄		morning set	7082 Mar 18 10:01	19°♄36'16	
morning set	7081 Apr 08 09:37	11°♄14'48			7082 Mar 25 01:29	0°♄	
max. Earth dist.	7081 Apr 14 20:48	21°♄43'12	1.41927 AU	max. Earth dist.	7082 Mar 28 04:13	4°♄57'47	1.43710 AU
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superior conj	7081 Apr 22 09:44	4°♄29'48	-2°01'14	superior conj	7082 Apr 03 05:52	14°♄50'17	-2°10'52
minimum elong	7081 Apr 22 14:28	4°♄50'21	2°00'58	minimum elong	7082 Apr 03 06:22	14°♄52'17	2°10'54
evening rise	7081 May 03 10:13	24°♄15'36		evening rise	7082 Apr 12 05:25	0°♄	
					7082 Apr 15 21:30	6°♄21'36	

asc. node	7082 Apr 26 03:10	23°♄45'36			7083 Mar 17 17:45	0°♑	
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evening max el	7082 May 03 07:15	3°♐19'15	18°07'05		7083 Apr 05 00:44	0°♄	
retrograde	7082 May 09 17:48	6°♐40'19		asc. node	7083 Apr 13 00:13	12°♄10'44	
evening set	7082 May 12 12:20	6°♐01'58		evening max el	7083 Apr 16 20:08	16°♄44'23	18°23'04
inferior conj	7082 May 18 19:15	0°♐52'51	3°01'17	retrograde	7083 Apr 23 06:29	20°♄12'23	
minimum elong	7082 May 18 21:41	0°♐46'31	3°00'48	evening set	7083 Apr 26 07:57	19°♄20'54	
	7082 May 19 15:26	30°♄		inferior conj	7083 May 02 04:19	13°♄53'32	3°22'40
min. Earth dist.	7082 May 21 17:19	27°♄51'33	0.62264 AU	minimum elong	7083 May 02 05:20	13°♄50'34	3°22'33
morning rise	7082 May 25 05:17	24°♄47'55		min. Earth dist.	7083 May 04 11:49	11°♄13'07	0.64274 AU
desc. node	7082 May 31 10:47	22°♄20'40		morning rise	7083 May 08 01:49	7°♄40'15	
direct	7082 Jun 01 00:06	22°♄19'43		direct	7083 May 14 19:41	4°♄55'57	
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morning max el	7082 Jun 15 02:49	0°♐21'35	27°54'07	morning max el	7083 May 28 12:01	12°♄54'24	27°30'12
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superior conj	7082 Jul 26 11:40	8°♌48'20	0°34'13	superior conj	7083 Jul 10 17:00	23°♄09'36	0°07'30
minimum elong	7082 Jul 26 10:09	8°♌40'07	0°33'51	minimum elong	7083 Jul 10 16:37	23°♄07'36	0°07'21
evening rise	7082 Aug 02 08:12	23°♌44'15		behind sun begin	7083 Jul 10 11:45	22°♄41'40	
	7082 Aug 05 07:53	0°♎		behind sun end	7083 Jul 10 21:29	23°♄33'34	
	7082 Aug 23 17:21	0°♊			7083 Jul 13 21:26	0°♌	
evening max el	7082 Aug 27 01:26	3°♊32'18	24°11'48	evening rise	7083 Jul 17 19:38	8°♌24'42	
desc. node	7082 Aug 27 09:54	3°♊52'28			7083 Jul 29 02:19	0°♎	
retrograde	7082 Sep 09 19:44	10°♊26'48		evening max el	7083 Aug 08 14:01	13°♎48'11	22°33'03
evening set	7082 Sep 14 16:12	9°♊34'48		desc. node	7083 Aug 14 06:57	18°♎13'26	
min. Earth dist.	7082 Sep 20 12:17	6°♊40'08	0.56329 AU	retrograde	7083 Aug 21 15:58	20°♎19'10	
inferior conj	7082 Sep 22 22:54	5°♊09'13	-5°28'38	evening set	7083 Aug 25 00:07	19°♎54'41	
minimum elong	7082 Sep 22 22:27	5°♊09'55	5°28'36	min. Earth dist.	7083 Sep 01 21:12	16°♎26'44	0.55105 AU
morning rise	7082 Oct 01 06:56	1°♊09'25		inferior conj	7083 Sep 03 00:30	15°♎48'03	-4°59'08
direct	7082 Oct 03 23:47	0°♊50'14		minimum elong	7083 Sep 02 17:11	15°♎58'26	4°57'55
morning max el	7082 Oct 13 20:46	5°♊28'31	19°45'22	morning rise	7083 Sep 11 12:07	11°♎59'20	
asc. node	7082 Oct 19 01:52	11°♊36'23		direct	7083 Sep 14 16:19	11°♎36'21	
	7082 Oct 29 14:54	0°♎		morning max el	7083 Sep 26 02:47	16°♎57'11	21°07'13
morning set	7082 Oct 31 13:29	3°♎53'24		asc. node	7083 Oct 05 22:51	29°♎43'56	
					7083 Oct 06 02:45	0°♊	
superior conj	7082 Nov 08 09:42	19°♎43'53	1°33'23	morning set	7083 Oct 15 21:44	18°♊37'16	
minimum elong	7082 Nov 08 11:55	19°♎54'49	1°33'16		7083 Oct 21 08:14	0°♎	
	7082 Nov 13 17:09	0°♈					
max. Earth dist.	7082 Nov 14 09:37	1°♈17'09	1.37398 AU	superior conj	7083 Oct 23 05:56	3°♎57'21	1°41'04
evening rise	7082 Nov 18 03:46	8°♈08'40		minimum elong	7083 Oct 23 06:43	4°♎01'26	1°41'05
desc. node	7082 Nov 23 09:02	17°♈11'06		max. Earth dist.	7083 Oct 27 19:29	13°♎11'48	1.35466 AU
	7082 Dec 01 08:48	0°♄		evening rise	7083 Oct 31 21:49	21°♎06'05	
evening max el	7082 Dec 23 19:20	29°♄08'19	25°26'10		7083 Nov 05 19:09	0°♈	
	7082 Dec 24 16:55	0°♊		desc. node	7083 Nov 10 06:02	7°♈36'44	
retrograde	7083 Jan 04 23:13	6°♊08'17			7083 Nov 25 06:15	0°♄	
evening set	7083 Jan 10 20:01	3°♊42'45		evening max el	7083 Dec 06 08:27	12°♄52'38	26°28'48
	7083 Jan 14 08:11	30°♄		retrograde	7083 Dec 19 05:50	20°♄06'50	
min. Earth dist.	7083 Jan 15 05:42	28°♄52'27	0.67383 AU	evening set	7083 Dec 25 15:19	17°♄32'14	
asc. node	7083 Jan 15 01:07	29°♄07'03		min. Earth dist.	7083 Dec 29 18:29	13°♄16'58	0.66377 AU
inferior conj	7083 Jan 16 11:32	27°♄16'22	0°28'43	inferior conj	7083 Dec 31 11:48	11°♄12'34	-0°29'03
minimum elong	7083 Jan 16 10:49	27°♄18'40	0°28'30	minimum elong	7083 Dec 31 12:35	11°♄10'09	0°28'37
morning rise	7083 Jan 22 01:58	21°♄21'53		asc. node	7084 Jan 01 22:10	9°♄30'51	
direct	7083 Jan 25 11:59	20°♄14'40		morning rise	7084 Jan 06 10:37	5°♄28'19	
morning max el	7083 Feb 01 12:52	24°♄08'32	19°16'07	direct	7084 Jan 09 10:15	4°♄38'14	
	7083 Feb 06 12:41	0°♊		morning max el	7084 Jan 16 00:20	8°♄12'06	18°30'05
greatest brilliancy	7083 Feb 14 18:48	11°♊48'24	-0.7m		7084 Jan 31 10:46	0°♊	
desc. node	7083 Feb 19 08:24	18°♊44'33		morning set	7084 Feb 05 07:54	7°♊44'42	
morning set	7083 Feb 25 09:52	28°♊04'42		desc. node	7084 Feb 06 05:22	9°♊09'56	
	7083 Feb 26 15:39	0°♈			7084 Feb 19 10:35	0°♈	
max. Earth dist.	7083 Mar 10 18:38	18°♈55'34	1.44925 AU				
				superior conj	7084 Feb 21 06:37	2°♈52'30	-1°34'16
superior conj	7083 Mar 14 01:40	24°♈08'19	-2°02'32	minimum elong	7084 Feb 20 21:02	2°♈14'57	1°33'16
minimum elong	7083 Mar 13 19:23	23°♈43'20	2°02'12	max. Earth dist.	7084 Feb 21 13:29	3°♈19'23	1.45437 AU

































































































































evening rise	7084 Mar 08 01:48	27° H 43'45		superior conj	7085 Jan 30 15:41	11° \approx 55'04	-0°52'00
	7084 Mar 09 12:11	0° Y		minimum elong	7085 Jan 30 09:31	11° \approx 30'31	0°51'07
greatest brilliancy	7084 Mar 17 08:12	12° Y 22'37	-0.8m	max. Earth dist.	7085 Feb 03 09:08	17° \approx 48'31	1.45201 AU
asc. node	7084 Mar 29 21:16	29° Y 53'08			7085 Feb 11 04:34	0° H	
	7084 Mar 29 23:54	0° B		evening rise	7085 Feb 15 20:32	7° H 12'56	
evening max el	7084 Mar 30 06:29	0° B 16'55	18°56'51	greatest brilliancy	7085 Mar 01 17:50	28° H 21'00	-0.7m
retrograde	7084 Apr 06 01:19	4° B 04'33			7085 Mar 02 20:45	0° Y	
evening set	7084 Apr 09 09:58	2° B 59'11		evening max el	7085 Mar 13 12:21	13° Y 52'11	19°47'05
	7084 Apr 12 16:53	30° R Y		asc. node	7085 Mar 16 18:21	16° Y 39'50	
inferior conj	7084 Apr 14 23:21	27° Y 15'08	3°26'30	retrograde	7085 Mar 20 23:12	18° Y 10'08	
minimum elong	7084 Apr 14 23:00	27° Y 16'16	3°26'27	evening set	7085 Mar 24 15:50	16° Y 50'23	
min. Earth dist.	7084 Apr 16 15:17	25° Y 09'28	0.65919 AU	inferior conj	7085 Mar 30 01:11	10° Y 51'41	3°16'35
morning rise	7084 Apr 20 11:35	20° Y 58'41		minimum elong	7085 Mar 29 23:45	10° Y 56'27	3°16'24
direct	7084 Apr 26 22:13	18° Y 10'59		min. Earth dist.	7085 Mar 31 02:22	9° Y 27'37	0.67134 AU
desc. node	7084 May 04 04:50	20° Y 56'34		morning rise	7085 Apr 04 07:25	4° Y 35'12	
morning max el	7084 May 09 22:23	25° Y 53'55	26°35'47	direct	7085 Apr 10 06:47	1° Y 55'12	
	7084 May 13 16:50	0° B		desc. node	7085 Apr 21 01:50	7° Y 53'59	
	7084 Jun 03 17:47	0° II		morning max el	7085 Apr 22 08:01	9° Y 08'13	25°19'43
morning set	7084 Jun 14 21:06	19° II 41'49			7085 May 08 18:10	0° B	
max. Earth dist.	7084 Jun 19 00:29	27° II 42'52	1.34533 AU		7085 May 27 07:41	0° II	
	7084 Jun 20 04:00	0° B		morning set	7085 May 28 11:09	2° II 03'07	
				max. Earth dist.	7085 Jun 01 03:17	8° II 48'10	1.36352 AU
superior conj	7084 Jun 23 16:02	7° B 08'08	-0°22'04	superior conj	7085 Jun 07 06:01	20° II 36'39	-0°53'06
minimum elong	7084 Jun 23 17:16	7° B 14'29	0°21'55	minimum elong	7085 Jun 07 09:08	20° II 52'09	0°52'36
asc. node	7084 Jun 25 20:27	11° B 40'49			7085 Jun 11 21:52	0° B	
evening rise	7084 Jul 01 05:05	22° B 55'19		asc. node	7085 Jun 12 17:30	1° B 40'00	
	7084 Jul 04 16:16	0° Q		evening rise	7085 Jun 15 10:19	7° B 09'42	
evening max el	7084 Jul 20 10:25	24° Q 20'47	21°01'41		7085 Jun 28 04:06	0° Q	
	7084 Jul 30 04:50	0° H		evening max el	7085 Jul 02 19:39	5° Q 33'54	19°47'26
desc. node	7084 Jul 31 04:01	0° H 07'13		retrograde	7085 Jul 12 21:12	10° Q 30'55	
retrograde	7084 Aug 01 04:44	0° H 09'49		evening set	7085 Jul 14 18:02	10° Q 21'25	
evening set	7084 Aug 03 10:20	29° Q 58'02		desc. node	7085 Jul 18 01:05	9° Q 22'43	
	7084 Aug 03 05:35	30° R Q		inferior conj	7085 Jul 23 15:50	6° Q 19'35	-1°42'08
inferior conj	7084 Aug 12 17:16	26° Q 00'36	-3°36'40	minimum elong	7085 Jul 23 11:08	6° Q 26'51	1°40'25
minimum elong	7084 Aug 12 08:13	26° Q 13'22	3°33'56	min. Earth dist.	7085 Jul 25 18:47	5° Q 01'08	0.55316 AU
min. Earth dist.	7084 Aug 13 06:38	25° Q 41'43	0.54730 AU	morning rise	7085 Aug 01 02:09	1° Q 55'24	
morning rise	7084 Aug 21 06:28	22° Q 04'18		direct	7085 Aug 05 14:32	1° Q 10'23	
direct	7084 Aug 25 00:34	21° Q 34'05		morning max el	7085 Aug 19 11:12	8° Q 02'47	24°31'25
morning max el	7084 Sep 06 21:44	27° Q 42'21	22°46'17		7085 Sep 04 12:27	0° H	
	7084 Sep 09 04:26	0° H		asc. node	7085 Sep 08 16:52	7° H 47'00	
asc. node	7084 Sep 21 19:51	18° H 30'44		morning set	7085 Sep 13 20:25	18° H 18'53	
	7084 Sep 27 16:53	0° Q			7085 Sep 19 05:43	0° Q	
morning set	7084 Sep 29 08:37	3° Q 27'29					
superior conj	7084 Oct 06 09:37	18° Q 31'49	1°41'37	superior conj	7085 Sep 20 18:10	3° Q 19'14	1°35'58
minimum elong	7084 Oct 06 09:07	18° Q 29'05	1°41'38	minimum elong	7085 Sep 20 16:39	3° Q 11'00	1°35'52
max. Earth dist.	7084 Oct 09 13:05	25° Q 09'41	1.33884 AU	max. Earth dist.	7085 Sep 22 14:53	7° Q 22'03	1.32731 AU
	7084 Oct 11 21:38	0° H		evening rise	7085 Sep 28 01:26	18° Q 48'42	
evening rise	7084 Oct 14 06:15	4° H 42'34			7085 Oct 03 18:53	0° H	
desc. node	7084 Oct 27 03:04	27° H 45'11		desc. node	7085 Oct 14 00:09	17° H 28'58	
	7084 Oct 28 12:46	0° X			7085 Oct 22 19:31	0° X	
evening max el	7084 Nov 17 21:15	26° X 25'18	27°11'45	evening max el	7085 Oct 31 08:26	9° X 35'20	27°28'18
	7084 Nov 22 01:56	0° B		retrograde	7085 Nov 14 01:17	16° X 52'59	
retrograde	7084 Dec 01 06:43	3° B 44'38		evening set	7085 Nov 21 03:39	14° X 20'39	
evening set	7084 Dec 08 02:46	1° B 06'49		min. Earth dist.	7085 Nov 24 20:27	11° X 11'09	0.63335 AU
	7084 Dec 09 10:34	30° R X		inferior conj	7085 Nov 27 12:57	8° X 30'36	-2°39'17
min. Earth dist.	7084 Dec 12 00:01	27° X 26'02	0.65018 AU	minimum elong	7085 Nov 27 17:51	8° X 18'24	2°37'23
inferior conj	7084 Dec 14 05:09	24° X 59'14	-1°32'25	morning rise	7085 Dec 04 09:51	3° X 15'27	
minimum elong	7084 Dec 14 07:53	24° X 51'38	1°31'11	asc. node	7085 Dec 05 16:15	2° X 54'21	
asc. node	7084 Dec 18 19:13	20° X 32'47		direct	7085 Dec 06 19:00	2° X 48'20	
morning rise	7084 Dec 20 14:18	19° X 28'06		morning max el	7085 Dec 13 09:27	6° X 13'06	17°48'38
direct	7084 Dec 23 05:31	18° X 51'25			7085 Dec 28 23:33	0° B	
morning max el	7084 Dec 29 16:11	22° X 16'03	18°00'43	morning set	7085 Dec 29 17:03	1° B 16'04	
	7085 Jan 04 18:26	0° B		desc. node	7086 Jan 09 23:21	20° B 28'37	
morning set	7085 Jan 16 11:32	18° B 52'50					
desc. node	7085 Jan 23 02:21	29° B 45'50		superior conj	7086 Jan 10 21:31	22° B 00'16	-0°06'39
	7085 Jan 23 05:49	0° \approx		minimum elong	7086 Jan 10 20:49	21° B 57'24	0°06'28

behind sun begin	7086 Jan 10 12:04	21°  21'14			7086 Dec 21 07:25	0° 	
behind sun end	7086 Jan 11 05:34	22°  33'30					
	7086 Jan 15 19:18	0° 		superior conj	7086 Dec 23 05:22	3°  20'49	0°33'19
max. Earth dist.	7086 Jan 17 02:43	2°  05'58	1.44259 AU	minimum elong	7086 Dec 23 08:05	3°  32'38	0°32'59
evening rise	7086 Jan 26 07:16	16°  29'55		desc. node	7086 Dec 27 20:23	11°  14'42	
	7086 Feb 04 04:59	0° 		max. Earth dist.	7086 Dec 30 16:31	15°  57'39	1.42718 AU
evening max el	7086 Feb 24 12:48	27°  28'46	20°51'20	evening rise	7087 Jan 06 01:39	26°  13'44	
	7086 Feb 27 07:19	0° 			7087 Jan 08 11:31	0° 	
asc. node	7086 Mar 03 15:26	2°  16'08			7087 Jan 29 01:47	0° 	
retrograde	7086 Mar 04 21:38	2°  24'24		evening max el	7087 Feb 07 08:07	11°  07'46	22°05'47
evening set	7086 Mar 08 23:31	0°  49'47		retrograde	7087 Feb 16 18:47	16°  43'57	
	7086 Mar 09 22:30	30°  R 		asc. node	7087 Feb 18 12:29	16°  28'20	
inferior conj	7086 Mar 14 07:14	24°  38'50	2°55'30	evening set	7087 Feb 21 07:20	14°  45'07	
minimum elong	7086 Mar 14 05:09	24°  46'03	2°55'03	inferior conj	7087 Feb 26 15:23	8°  33'52	2°24'54
min. Earth dist.	7086 Mar 14 18:57	23°  58'28	0.67917 AU	minimum elong	7087 Feb 26 13:04	8°  41'55	2°24'15
morning rise	7086 Mar 19 10:33	18°  42'25		min. Earth dist.	7087 Feb 26 14:45	8°  36'03	0.68278 AU
direct	7086 Mar 24 20:30	16°  00'23		morning rise	7087 Mar 03 18:36	2°  23'05	
morning max el	7086 Apr 04 16:53	22°  29'16	23°52'02	direct	7087 Mar 08 14:21	0°  20'01	
desc. node	7086 Apr 07 22:49	26°  00'20		morning max el	7087 Mar 18 03:38	5°  57'22	22°22'51
	7086 Apr 11 06:35	0° 		desc. node	7087 Mar 25 19:49	14°  56'41	
	7086 May 02 02:01	0° 			7087 Apr 05 15:24	0° 	
morning set	7086 May 10 04:05	13°  21'37		morning set	7087 Apr 20 18:26	23°  09'24'03	
max. Earth dist.	7086 May 13 23:11	19°  58'28	1.38492 AU		7087 Apr 24 18:16	0° 	
	7086 May 19 11:31	0° 		max. Earth dist.	7087 Apr 25 20:10	1°  48'58	1.40721 AU
superior conj	7086 May 21 07:16	3°  25'25	-1°23'27	superior conj	7087 May 03 15:30	15°  24'33	-1°49'45
minimum elong	7086 May 21 12:08	3°  48'26	1°22'48	minimum elong	7087 May 03 20:58	15°  49'09	1°49'16
evening rise	7086 May 30 08:35	20°  25'28			7087 May 11 13:53	0° 	
asc. node	7086 May 30 14:33	21°  28'41		evening rise	7087 May 13 20:34	4°  21'6'39	
	7086 Jun 04 01:01	0° 		asc. node	7087 May 17 11:37	11°  22'02'29	
evening max el	7086 Jun 15 17:04	17°  30'23	18°53'29		7087 May 29 21:58	0° 	
retrograde	7086 Jun 24 04:13	21°  40'46		evening max el	7087 May 29 23:22	0°  03'27	18°19'58
evening set	7086 Jun 26 04:25	21°  27'35		retrograde	7087 Jun 06 06:26	3°  42'09	
inferior conj	7086 Jul 04 07:46	17°  10'09	0°10'44	evening set	7087 Jun 08 13:46	3°  21'11	
minimum elong	7086 Jul 04 08:11	17°  09'23	0°10'29		7087 Jun 14 07:48	30°  R 	
transit middle	7086 Jul 04 08:11	17°  09'23	0°10'29	inferior conj	7087 Jun 15 21:21	28°  24'31'15	1°39'31
transit begin	7086 Jul 04 05:22	17°  14'26		minimum elong	7087 Jun 16 00:18	28°  23'04	1°38'30
transit end	7086 Jul 04 11:01	17°  04'20		min. Earth dist.	7087 Jun 19 07:18	25°  53'26	0.58772 AU
desc. node	7086 Jul 04 22:08	16°  44'26		desc. node	7087 Jun 21 19:09	24°  22'04'31	
min. Earth dist.	7086 Jul 07 10:30	14°  57'44	0.56760 AU	morning rise	7087 Jun 23 07:41	23°  22'09'48	
morning rise	7086 Jul 12 08:35	12°  09'24		direct	7087 Jun 29 11:59	21°  27'50	
direct	7086 Jul 17 18:22	10°  05'15		morning max el	7087 Jul 13 21:09	29°  22'13'44	27°16'57
morning max el	7086 Aug 01 01:27	18°  05'24'24	26°06'50		7087 Jul 14 15:40	0° 	
	7086 Aug 10 18:21	0° 			7087 Aug 04 15:00	0° 	
asc. node	7086 Aug 26 13:52	27°  02'24'05		asc. node	7087 Aug 13 10:54	17°  02'15'58	
	7086 Aug 27 20:08	0° 		morning set	7087 Aug 13 15:57	17°  02'42'29	
morning set	7086 Aug 29 07:24	3°  05'26			7087 Aug 19 08:10	0° 	
superior conj	7086 Sep 05 05:17	18°  05'11'21	1°24'48	superior conj	7087 Aug 20 17:06	3°  02'20	1°08'39
minimum elong	7086 Sep 05 03:11	17°  05'59'42	1°24'32	minimum elong	7087 Aug 20 14:51	2°  05'49'49	1°08'15
max. Earth dist.	7086 Sep 05 22:43	19°  05'47'36	1.32024 AU	max. Earth dist.	7087 Aug 20 09:20	2°  05'19'18	1.31760 AU
	7086 Sep 10 15:18	0° 		evening rise	7087 Aug 27 11:59	17°  05'53'05	
evening rise	7086 Sep 12 04:11	3°  05'14'40			7087 Sep 02 11:01	0° 	
	7086 Sep 26 13:51	0° 		desc. node	7087 Sep 17 18:16	24°  05'55'13	
desc. node	7086 Sep 30 21:13	6°  23'37'00			7087 Sep 21 21:36	0° 	
evening max el	7086 Oct 13 15:43	22°  09'09'25	27°13'11	evening max el	7087 Sep 25 16:27	3°  25'56'36	26°24'17
retrograde	7086 Oct 27 12:28	29°  05'21'36		retrograde	7087 Oct 09 14:42	11°  05'21'02'51	
evening set	7086 Nov 03 14:18	27°  05'05'47		evening set	7087 Oct 16 06:04	9°  25'14'35	
min. Earth dist.	7086 Nov 07 06:29	24°  05'20'08	0.61386 AU	min. Earth dist.	7087 Oct 20 05:52	6°  25'39'55	0.59311 AU
inferior conj	7086 Nov 10 08:04	21°  05'38'05	-3°45'47	inferior conj	7087 Oct 23 10:56	4°  25'12'07	-4°44'30
minimum elong	7086 Nov 10 14:39	21°  05'23'31	3°43'42	minimum elong	7087 Oct 23 17:33	3°  25'59'22	4°43'04
morning rise	7086 Nov 17 17:09	16°  05'42'07			7087 Oct 30 04:12	30°  R 	
direct	7086 Nov 19 23:17	16°  05'20'57		morning rise	7087 Oct 31 07:14	29°  05'38'14	
asc. node	7086 Nov 22 13:15	16°  05'49'48		direct	7087 Nov 02 14:10	29°  05'19'51	
morning max el	7086 Nov 27 00:51	19°  05'54'17	17°54'53		7087 Nov 05 21:08	0° 	
	7086 Dec 04 11:51	0°		asc. node	7087 Nov 09 10:17	2° 25'14'19	
morning set	7086 Dec 12 17:55	14° 05'34'27		morning max el	7087 Nov 10 10:55	3° 25'10'17	18°20'51

morning set	7087 Nov 26 08:18	28° \mathbb{M} 30'29		morning set	7088 Nov 09 07:59	12° \mathbb{M} 52'12	
	7087 Nov 27 03:03	0° \mathbb{X}					
superior conj	7087 Dec 05 12:29	15° \mathbb{X} 48'04	1°04'08	superior conj	7088 Nov 17 13:46	29° \mathbb{M} 07'57	1°25'17
minimum elong	7087 Dec 05 16:05	16° \mathbb{X} 04'36	1°03'44	minimum elong	7088 Nov 17 16:42	29° \mathbb{M} 22'05	1°25'03
max. Earth dist.	7087 Dec 13 01:46	29° \mathbb{X} 11'46	1.40756 AU	max. Earth dist.	7088 Nov 18 00:34	0° \mathbb{X}	
	7087 Dec 13 13:03	0° \mathbb{Z}		evening rise	7088 Nov 28 02:17	18° \mathbb{X} 24'53	
desc. node	7087 Dec 14 17:23	2° \mathbb{Z} 00'12		desc. node	7088 Nov 30 14:24	22° \mathbb{X} 41'44	
evening rise	7087 Dec 17 14:48	6° \mathbb{Z} 49'21			7088 Dec 05 00:49	0° \mathbb{Z}	
	7088 Jan 01 14:37	0° \approx			7088 Dec 25 22:08	0° \approx	
evening max el	7088 Jan 20 23:29	24° \approx 49'35	23°25'23	evening max el	7089 Jan 02 12:44	8° \approx 34'33	24°43'57
	7088 Jan 27 13:47	0° \mathbb{H}		retrograde	7089 Jan 14 03:46	15° \approx 21'14	
retrograde	7088 Jan 31 13:09	1° \mathbb{H} 04'21		evening set	7089 Jan 19 17:12	13° \approx 02'15	
	7088 Feb 04 04:20	30° \mathbb{R} \approx		asc. node	7089 Jan 22 06:33	10° \approx 24'51	
asc. node	7088 Feb 05 09:31	29° \approx 08'08		min. Earth dist.	7089 Jan 24 06:52	7° \approx 52'22	0.67806 AU
evening set	7088 Feb 05 13:44	28° \approx 59'23		inferior conj	7089 Jan 25 06:21	6° \approx 34'30	0°58'59
inferior conj	7088 Feb 10 23:40	22° \approx 33'18	1°45'49	minimum elong	7089 Jan 25 05:00	6° \approx 39'01	0°58'31
minimum elong	7088 Feb 10 21:36	22° \approx 40'25	1°45'08	morning rise	7089 Jan 30 16:59	0° \approx 35'32	
min. Earth dist.	7088 Feb 10 11:26	23° \approx 15'16	0.68236 AU		7089 Jan 31 15:58	30° \mathbb{R} \mathbb{Z}	
morning rise	7088 Feb 16 05:24	16° \approx 27'37		direct	7089 Feb 03 09:43	29° \mathbb{Z} 17'07	
direct	7088 Feb 20 11:09	14° \approx 47'20			7089 Feb 06 06:51	0° \approx	
morning max el	7088 Feb 28 20:01	19° \approx 36'09	21°00'18	morning max el	7089 Feb 10 20:15	3° \approx 27'36	19°49'52
	7088 Mar 08 10:52	0° \mathbb{H}		greatest brilliancy	7089 Feb 23 19:31	20° \approx 22'01	-0.6m
desc. node	7088 Mar 11 16:47	4° \mathbb{H} 28'49		desc. node	7089 Feb 26 13:46	24° \approx 27'11	
	7088 Mar 28 19:44	0° \mathbb{Y}			7089 Mar 02 06:17	0° \mathbb{H}	
morning set	7088 Mar 30 05:36	2° \mathbb{Y} 12'08		morning set	7089 Mar 09 02:34	10° \mathbb{H} 27'44	
max. Earth dist.	7088 Apr 06 23:55	14° \mathbb{Y} 35'54	1.42749 AU	max. Earth dist.	7089 Mar 20 10:51	28° \mathbb{H} 12'03	1.44311 AU
					7089 Mar 21 13:56	0° \mathbb{Y}	
superior conj	7088 Apr 14 01:46	26° \mathbb{Y} 22'28	-2°07'10				
minimum elong	7088 Apr 14 05:10	26° \mathbb{Y} 36'56	2°07'05	superior conj	7089 Mar 25 11:02	6° \mathbb{Y} 14'22	-2°09'47
	7088 Apr 16 04:39	0° \mathbb{B}		minimum elong	7089 Mar 25 08:42	6° \mathbb{Y} 04'53	2°09'45
evening rise	7088 Apr 25 18:07	16° \mathbb{B} 51'04		evening rise	7089 Apr 07 20:45	28° \mathbb{Y} 33'53	
asc. node	7088 May 03 08:39	0° \mathbb{II} 15'10			7089 Apr 08 16:58	0° \mathbb{B}	
	7088 May 03 05:04	0° \mathbb{II}		asc. node	7089 Apr 20 05:40	19° \mathbb{B} 00'09	
evening max el	7088 May 12 10:42	13° \mathbb{II} 02'50	18°06'14	evening max el	7089 Apr 25 23:48	26° \mathbb{B} 20'27	18°11'35
retrograde	7088 May 19 01:37	16° \mathbb{II} 26'09		retrograde	7089 May 02 09:17	29° \mathbb{B} 43'12	
evening set	7088 May 21 16:12	15° \mathbb{II} 54'38		evening set	7089 May 05 06:41	28° \mathbb{B} 59'27	
inferior conj	7088 May 28 06:55	10° \mathbb{II} 56'15	2°39'03	inferior conj	7089 May 11 08:37	23° \mathbb{B} 42'09	3°12'48
minimum elong	7088 May 28 09:56	10° \mathbb{II} 48'56	2°38'18	minimum elong	7089 May 11 10:29	23° \mathbb{B} 37'04	3°12'30
min. Earth dist.	7088 May 31 11:26	7° \mathbb{II} 52'24	0.61001 AU	min. Earth dist.	7089 May 14 00:42	20° \mathbb{B} 47'34	0.63153 AU
morning rise	7088 Jun 04 01:25	4° \mathbb{II} 59'44		morning rise	7089 May 17 12:55	17° \mathbb{B} 32'33	
desc. node	7088 Jun 07 16:11	3° \mathbb{II} 14'09		direct	7089 May 24 08:01	14° \mathbb{B} 56'06	
direct	7088 Jun 10 17:08	2° \mathbb{II} 46'39		desc. node	7089 May 25 13:12	15° \mathbb{B} 00'43	
morning max el	7088 Jun 24 23:38	10° \mathbb{II} 44'55	27°51'43	morning max el	7089 Jun 07 07:18	22° \mathbb{B} 58'20	27°48'15
	7088 Jul 10 00:01	0° \mathbb{D}			7089 Jun 13 12:44	0° \mathbb{II}	
	7088 Jul 26 19:57	0° \mathbb{O}			7089 Jul 03 06:18	0° \mathbb{D}	
morning set	7088 Jul 27 20:13	2° \mathbb{O} 04'21		morning set	7089 Jul 11 17:59	16° \mathbb{D} 04'19	
asc. node	7088 Jul 30 07:55	7° \mathbb{O} 17'08		max. Earth dist.	7089 Jul 16 23:19	26° \mathbb{D} 53'00	1.32561 AU
max. Earth dist.	7088 Aug 02 18:55	14° \mathbb{O} 45'27	1.31931 AU	asc. node	7089 Jul 17 04:55	27° \mathbb{D} 22'50	
					7089 Jul 18 10:16	0° \mathbb{O}	
superior conj	7088 Aug 04 03:52	17° \mathbb{O} 46'18	0°47'59				
minimum elong	7088 Aug 04 01:56	17° \mathbb{O} 35'42	0°47'34	superior conj	7089 Jul 19 11:44	2° \mathbb{O} 17'22	0°23'17
	7088 Aug 09 17:31	0° \mathbb{P}		minimum elong	7089 Jul 19 10:39	2° \mathbb{O} 11'30	0°23'00
evening rise	7088 Aug 10 22:42	2° \mathbb{P} 37'06		evening rise	7089 Jul 26 10:24	17° \mathbb{O} 20'17	
	7088 Aug 25 14:07	0° \mathbb{D}			7089 Aug 01 15:33	0° \mathbb{P}	
desc. node	7088 Sep 03 15:18	12° \mathbb{D} 03'53		evening max el	7089 Aug 18 20:51	25° \mathbb{P} 15'00	23°29'52
evening max el	7088 Sep 06 09:10	14° \mathbb{D} 53'46	25°05'52	desc. node	7089 Aug 21 12:21	27° \mathbb{P} 35'22	
retrograde	7088 Sep 20 06:25	21° \mathbb{D} 54'33			7089 Aug 25 01:56	0° \mathbb{D}	
evening set	7088 Sep 25 22:25	20° \mathbb{D} 41'33		retrograde	7089 Sep 01 10:15	2° \mathbb{D} 02'43	
min. Earth dist.	7088 Sep 30 20:33	17° \mathbb{D} 59'51	0.57318 AU	evening set	7089 Sep 05 15:08	1° \mathbb{D} 23'59	
inferior conj	7088 Oct 03 18:28	16° \mathbb{D} 03'27	-5°22'45		7089 Sep 09 02:51	30° \mathbb{R} \mathbb{P}	
minimum elong	7088 Oct 03 21:43	15° \mathbb{D} 58'01	5°22'28	min. Earth dist.	7089 Sep 12 06:35	28° \mathbb{P} 16'49	0.55710 AU
morning rise	7088 Oct 11 23:17	11° \mathbb{D} 52'42		inferior conj	7089 Sep 14 05:50	27° \mathbb{P} 06'48	-5°22'50
direct	7088 Oct 14 11:23	11° \mathbb{D} 34'29		minimum elong	7089 Sep 14 02:16	27° \mathbb{P} 12'07	5°22'34
morning max el	7088 Oct 23 12:13	15° \mathbb{D} 51'44	19°08'09	morning rise	7089 Sep 22 15:42	23° \mathbb{P} 13'51	
asc. node	7088 Oct 26 07:17	18° \mathbb{D} 54'29		direct	7089 Sep 25 12:50	22° \mathbb{P} 53'32	
	7088 Nov 02 13:50	0° \mathbb{M}		morning max el	7089 Oct 06 01:45	27° \mathbb{P} 48'46	20°17'44

	7089 Oct 08 04:51	0°♄		inferior conj	7090 Aug 25 02:07	7°♄31'22	-4°30'07
asc. node	7089 Oct 13 04:18	6°♄34'05		minimum elong	7090 Aug 24 17:10	7°♄43'55	4°28'02
morning set	7089 Oct 24 13:48	27°♄29'49		morning rise	7090 Sep 02 14:39	3°♄41'40	
	7089 Oct 25 19:05	0°♄		direct	7090 Sep 06 00:10	3°♄16'16	
				morning max el	7090 Sep 18 02:43	8°♄57'57	21°47'45
superior conj	7089 Nov 01 04:15	13°♄05'24	1°37'34	asc. node	7090 Sep 30 01:20	24°♄59'36	
minimum elong	7089 Nov 01 05:52	13°♄13'33	1°37'32		7090 Oct 02 19:58	0°♄	
max. Earth dist.	7089 Nov 06 13:59	23°♄43'52	1.36538 AU	morning set	7090 Oct 08 23:24	12°♄16'42	
	7089 Nov 09 22:13	0°♄					
evening rise	7089 Nov 10 10:15	0°♄55'09		superior conj	7090 Oct 16 04:02	27°♄28'51	1°42'06
desc. node	7089 Nov 17 11:25	13°♄14'32		minimum elong	7090 Oct 16 04:15	27°♄29'57	1°42'09
	7089 Nov 28 04:26	0°♄			7090 Oct 17 09:00	0°♄	
evening max el	7089 Dec 16 01:32	22°♄20'11	25°54'35	max. Earth dist.	7090 Oct 20 02:33	5°♄36'09	1.34743 AU
retrograde	7089 Dec 28 13:43	29°♄28'16		evening rise	7090 Oct 24 10:56	14°♄10'34	
evening set	7090 Jan 03 16:03	26°♄58'06			7090 Nov 02 05:18	0°♄	
min. Earth dist.	7090 Jan 07 22:47	22°♄22'45	0.67002 AU	desc. node	7090 Nov 04 08:28	3°♄33'35	
inferior conj	7090 Jan 09 09:33	20°♄33'38	0°05'01		7090 Nov 22 23:49	0°♄	
minimum elong	7090 Jan 09 09:25	20°♄34'04	0°05'01	evening max el	7090 Nov 28 14:39	6°♄01'01	26°49'53
transit middle	7090 Jan 09 09:25	20°♄34'04	0°05'01	retrograde	7090 Dec 11 18:11	13°♄18'51	
transit begin	7090 Jan 09 06:43	20°♄42'32		evening set	7090 Dec 18 08:20	10°♄42'10	
transit end	7090 Jan 09 12:06	20°♄25'35		min. Earth dist.	7090 Dec 22 08:54	6°♄41'28	0.65840 AU
asc. node	7090 Jan 09 03:35	20°♄52'23		inferior conj	7090 Dec 24 07:11	4°♄26'40	-0°55'18
morning rise	7090 Jan 15 03:19	14°♄43'19		minimum elong	7090 Dec 24 08:46	4°♄22'04	0°54'33
direct	7090 Jan 18 08:35	13°♄44'02		asc. node	7090 Dec 27 00:39	1°♄25'55	
morning max el	7090 Jan 25 04:07	17°♄28'13	18°54'27		7090 Dec 28 14:28	30°♄	
	7090 Feb 03 19:54	0°♄		morning rise	7090 Dec 30 10:11	28°♄47'25	
desc. node	7090 Feb 13 10:45	14°♄44'14		direct	7091 Jan 02 05:54	28°♄03'35	
morning set	7090 Feb 16 09:48	19°♄21'09			7091 Jan 06 24:00	0°♄	
	7090 Feb 23 05:28	0°♄		morning max el	7091 Jan 08 17:45	1°♄32'39	18°15'24
max. Earth dist.	7090 Mar 03 03:00	12°♄21'26	1.45232 AU	morning set	7091 Jan 27 20:25	29°♄38'54	
					7091 Jan 28 01:38	0°♄	
superior conj	7090 Mar 04 22:42	15°♄13'06	-1°52'49	desc. node	7091 Jan 31 07:44	5°♄14'32	
minimum elong	7090 Mar 04 14:12	14°♄39'39	1°52'10				
	7090 Mar 14 06:09	0°♄		superior conj	7091 Feb 12 02:56	23°♄58'37	-1°17'25
evening rise	7090 Mar 20 00:40	9°♄18'48		minimum elong	7091 Feb 11 18:08	23°♄24'04	1°16'22
	7090 Apr 01 23:11	0°♄		max. Earth dist.	7091 Feb 13 22:11	26°♄48'16	1.45431 AU
asc. node	7090 Apr 07 02:43	7°♄08'49			7091 Feb 15 23:10	0°♄	
evening max el	7090 Apr 09 11:53	9°♄49'36	18°35'21	evening rise	7091 Feb 28 05:44	19°♄09'53	
retrograde	7090 Apr 16 01:01	13°♄24'47			7091 Mar 07 04:25	0°♄	
evening set	7090 Apr 19 05:22	12°♄27'39		greatest brilliancy	7091 Mar 11 16:27	6°♄56'25	-0.7m
inferior conj	7090 Apr 24 22:24	6°♄53'09	3°26'11	evening max el	7091 Mar 23 20:35	23°♄24'00	19°16'25
minimum elong	7090 Apr 24 22:48	6°♄51'55	3°26'07	asc. node	7091 Mar 24 23:48	24°♄29'20	
min. Earth dist.	7090 Apr 26 23:21	4°♄25'53	0.65021 AU	retrograde	7091 Mar 30 21:23	27°♄23'10	
morning rise	7090 Apr 30 15:31	0°♄37'47		evening set	7091 Apr 03 09:18	26°♄11'50	
	7090 May 01 10:24	30°♄		inferior conj	7091 Apr 08 20:40	20°♄21'34	3°23'47
direct	7090 May 07 06:54	27°♄50'14		minimum elong	7091 Apr 08 19:49	20°♄24'22	3°23'41
desc. node	7090 May 12 10:12	29°♄13'21		min. Earth dist.	7091 Apr 10 06:16	18°♄32'52	0.66495 AU
	7090 May 13 19:19	0°♄		morning rise	7091 Apr 14 05:58	14°♄04'55	
morning max el	7090 May 20 17:22	5°♄44'43	27°10'16	direct	7091 Apr 20 12:20	11°♄18'59	
	7090 Jun 08 05:59	0°♄		desc. node	7091 Apr 29 07:13	15°♄19'28	
morning set	7090 Jun 25 06:31	29°♄34'47		morning max el	7091 May 03 03:20	18°♄50'59	26°05'21
	7090 Jun 25 11:43	0°♄			7091 May 12 13:44	0°♄	
max. Earth dist.	7090 Jun 29 18:51	8°♄33'26	1.33672 AU		7091 Jun 01 06:57	0°♄	
				morning set	7091 Jun 08 06:02	12°♄24'23	
superior conj	7090 Jul 03 14:43	16°♄30'10	-0°04'47	max. Earth dist.	7091 Jun 12 03:19	19°♄46'15	1.35259 AU
minimum elong	7090 Jul 03 14:58	16°♄31'29	0°04'49				
behind sun begin	7090 Jul 03 09:37	16°♄03'17		superior conj	7091 Jun 17 10:16	0°♄16'53	-0°35'11
behind sun end	7090 Jul 03 20:20	16°♄59'44		minimum elong	7091 Jun 17 12:17	0°♄27'07	0°34'51
asc. node	7090 Jul 04 01:56	17°♄29'20			7091 Jun 17 06:57	0°♄	
	7090 Jul 09 23:01	0°♄		asc. node	7091 Jun 20 22:58	7°♄32'07	
evening rise	7090 Jul 10 21:15	1°♄57'21		evening rise	7091 Jun 25 05:09	16°♄21'32	
	7090 Jul 26 15:50	0°♄			7091 Jul 02 03:46	0°♄	
evening max el	7090 Jul 31 11:51	5°♄34'16	21°52'40	evening max el	7091 Jul 13 13:34	16°♄22'34	20°27'44
desc. node	7090 Aug 08 09:24	10°♄57'13		retrograde	7091 Jul 24 14:40	21°♄49'00	
retrograde	7090 Aug 13 02:32	11°♄49'42		desc. node	7091 Jul 26 06:28	21°♄42'08	
evening set	7090 Aug 15 21:02	11°♄32'30		evening set	7091 Jul 26 14:39	21°♄39'04	
min. Earth dist.	7090 Aug 24 15:47	7°♄45'51	0.54822 AU	inferior conj	7091 Aug 04 19:27	17°♄41'55	-2°49'58

minimum elong	7091 Aug 04 11:46	17° Ω 53'03	2°47'20		7092 Jul 12 02:44	30° κ 26	
min. Earth dist.	7091 Aug 06 02:10	16° Ω 57'24	0.54867 AU	inferior conj	7092 Jul 15 00:17	28° Θ 11'07	-0°52'10
morning rise	7091 Aug 13 08:08	13° Ω 35'46		minimum elong	7092 Jul 14 21:58	28° Θ 14'54	0°51'21
direct	7091 Aug 17 09:49	13° Ω 00'08		min. Earth dist.	7092 Jul 17 15:17	26° Θ 28'39	0.55847 AU
morning max el	7091 Aug 30 18:15	19° Ω 28'12	23°31'09	morning rise	7092 Jul 23 07:25	23° Θ 32'00	
	7091 Sep 08 13:19	0° Π		direct	7092 Jul 28 04:56	22° Θ 37'36	
asc. node	7091 Sep 16 22:21	13° Π 59'41		morning max el	7092 Aug 11 07:08	29° Θ 44'32	25°14'20
morning set	7091 Sep 23 10:52	27° Π 07'27			7092 Aug 11 13:35	0° Ω	
	7091 Sep 24 19:15	0° $\underline{\Omega}$			7092 Sep 01 01:24	0° Π	
				asc. node	7092 Sep 02 19:21	3° Π 25'28	
superior conj	7091 Sep 30 10:03	12° $\underline{\Omega}$ 09'03	1°39'56	morning set	7092 Sep 06 22:28	11° Π 56'57	
minimum elong	7091 Sep 30 09:05	12° $\underline{\Omega}$ 03'46	1°39'55				
max. Earth dist.	7091 Oct 02 23:50	17° $\underline{\Omega}$ 39'28	1.33340 AU	superior conj	7092 Sep 13 19:52	26° Π 58'31	1°31'52
evening rise	7091 Oct 08 00:20	28° $\underline{\Omega}$ 00'34		minimum elong	7092 Sep 13 18:03	26° Π 48'32	1°31'41
	7091 Oct 09 00:25	0° Π		max. Earth dist.	7092 Sep 15 04:44	29° Π 58'31	1.32375 AU
desc. node	7091 Oct 22 05:32	23° Π 32'30			7092 Sep 15 05:00	0° $\underline{\Omega}$	
	7091 Oct 26 10:19	0° \mathcal{A}		evening rise	7092 Sep 20 23:01	12° $\underline{\Omega}$ 15'28	
evening max el	7091 Nov 11 03:17	19° \mathcal{A} 26'32	27°22'32		7092 Sep 30 04:36	0° Π	
retrograde	7091 Nov 24 16:22	26° \mathcal{A} 45'10		desc. node	7092 Oct 08 02:36	13° Π 02'20	
evening set	7091 Dec 01 15:41	24° \mathcal{A} 08'53			7092 Oct 21 04:09	0° \mathcal{A}	
min. Earth dist.	7091 Dec 05 10:56	20° \mathcal{A} 41'45	0.64336 AU	evening max el	7092 Oct 23 13:10	2° \mathcal{A} 22'34	27°26'04
inferior conj	7091 Dec 07 20:53	18° \mathcal{A} 08'11	-2°00'29	retrograde	7092 Nov 06 07:37	9° \mathcal{A} 37'28	
minimum elong	7091 Dec 08 00:32	17° \mathcal{A} 58'29	1°58'57	evening set	7092 Nov 13 10:58	7° \mathcal{A} 10'43	
asc. node	7091 Dec 13 21:42	12° \mathcal{A} 58'27		min. Earth dist.	7092 Nov 17 02:51	4° \mathcal{A} 12'50	0.62529 AU
morning rise	7091 Dec 14 10:51	12° \mathcal{A} 43'09		inferior conj	7092 Nov 19 23:40	1° \mathcal{A} 30'05	-3°07'55
direct	7091 Dec 16 23:14	12° \mathcal{A} 10'53		minimum elong	7092 Nov 20 05:23	1° \mathcal{A} 16'30	3°05'50
morning max el	7091 Dec 23 10:33	15° \mathcal{A} 34'30	17°53'24		7092 Nov 21 14:29	30° κ Π	
	7092 Jan 02 17:16	0° \mathcal{B}		morning rise	7092 Nov 27 01:45	26° Π 22'44	
morning set	7092 Jan 09 11:59	11° \mathcal{B} 22'32		direct	7092 Nov 29 09:21	25° Π 58'25	
desc. node	7092 Jan 18 04:45	25° \mathcal{B} 54'09		asc. node	7092 Nov 29 18:44	25° Π 59'08	
	7092 Jan 20 16:55	0° \approx		morning max el	7092 Dec 06 03:24	29° Π 25'29	17°49'05
					7092 Dec 06 16:56	0° \mathcal{A}	
superior conj	7092 Jan 22 19:29	3° \approx 24'39	-0°32'33	morning set	7092 Dec 22 02:31	24° \mathcal{A} 11'33	
minimum elong	7092 Jan 22 15:43	3° \approx 09'26	0°31'56		7092 Dec 25 09:14	0° \mathcal{B}	
max. Earth dist.	7092 Jan 27 17:45	11° \approx 16'34	1.44889 AU				
evening rise	7092 Feb 07 19:24	28° \approx 30'28		superior conj	7093 Jan 02 12:21	14° \mathcal{B} 01'57	0°11'17
	7092 Feb 08 18:45	0° \mathcal{H}		minimum elong	7093 Jan 02 13:27	14° \mathcal{B} 06'33	0°11'12
greatest brilliancy	7092 Feb 22 12:52	20° \mathcal{H} 42'04	-0.6m	behind sun begin	7093 Jan 02 06:57	13° \mathcal{B} 39'12	
	7092 Feb 29 03:38	0° Υ		behind sun end	7093 Jan 02 19:56	14° \mathcal{B} 33'51	
evening max el	7092 Mar 06 00:20	7° Υ 00'52	20°12'52	desc. node	7093 Jan 04 01:45	16° \mathcal{B} 38'43	
asc. node	7092 Mar 10 20:52	10° Υ 48'32		max. Earth dist.	7093 Jan 09 10:30	25° \mathcal{B} 26'56	1.43667 AU
retrograde	7092 Mar 13 19:40	11° Υ 33'35			7093 Jan 12 06:39	0° \approx	
evening set	7092 Mar 17 16:12	10° Υ 07'25		evening rise	7093 Jan 17 07:37	7° \approx 54'42	
inferior conj	7092 Mar 23 00:36	4° Υ 03'19	3°08'52		7093 Feb 01 01:07	0° \mathcal{H}	
minimum elong	7092 Mar 22 22:50	4° Υ 09'17	3°08'34	evening max el	7093 Feb 16 22:29	20° \mathcal{H} 38'16	21°21'53
min. Earth dist.	7092 Mar 23 19:52	2° Υ 57'57	0.67531 AU	retrograde	7093 Feb 25 17:49	25° \mathcal{H} 50'57	
	7092 Mar 26 03:11	30° κ \mathcal{H}		asc. node	7093 Feb 25 17:56	25° \mathcal{H} 50'57	
morning rise	7092 Mar 28 05:16	27° \mathcal{H} 47'45		evening set	7093 Mar 02 00:09	24° \mathcal{H} 09'38	
direct	7092 Apr 02 23:10	25° \mathcal{H} 13'48		inferior conj	7093 Mar 07 07:47	17° \mathcal{H} 54'09	2°43'35
	7092 Apr 12 06:35	0° Υ		minimum elong	7093 Mar 07 05:32	18° \mathcal{H} 01'56	2°43'03
morning max el	7092 Apr 14 12:23	2° Υ 08'30	24°43'07	min. Earth dist.	7093 Mar 07 14:01	17° \mathcal{H} 32'29	0.68127 AU
desc. node	7092 Apr 15 04:13	2° Υ 49'09		morning rise	7093 Mar 12 10:45	11° \mathcal{H} 41'14	
	7092 May 05 15:44	0° \mathcal{B}		direct	7093 Mar 17 14:37	9° \mathcal{H} 26'01	
morning set	7092 May 20 11:45	24° \mathcal{B} 20'22		morning max el	7093 Mar 27 21:49	15° \mathcal{H} 32'59	23°13'44
	7092 May 23 15:32	0° Π		desc. node	7093 Apr 02 01:11	21° \mathcal{H} 18'42	
max. Earth dist.	7092 May 24 02:35	0° Π 50'28	1.37247 AU		7093 Apr 08 17:39	0° Υ	
					7093 Apr 28 15:28	0° \mathcal{B}	
superior conj	7092 May 30 19:18	13° Π 29'39	-1°06'14	morning set	7093 May 01 17:58	5° \mathcal{B} 08'00	
minimum elong	7092 May 30 23:14	13° Π 48'44	1°05'38	max. Earth dist.	7093 May 05 22:32	12° \mathcal{B} 16'37	1.39453 AU
asc. node	7092 Jun 06 20:01	27° Π 27'20					
evening rise	7092 Jun 08 07:46	0° Θ 26'21		superior conj	7093 May 13 13:53	25° \mathcal{B} 58'34	-1°35'21
	7092 Jun 08 02:30	0° Θ		minimum elong	7093 May 13 19:14	26° \mathcal{B} 23'19	1°34'44
evening max el	7092 Jun 25 04:13	27° Θ 53'55	19°21'49		7093 May 15 17:40	0° Π	
	7092 Jun 27 15:00	0° Ω		evening rise	7093 May 23 02:08	14° Π 03'46	
retrograde	7092 Jul 04 12:16	2° Ω 29'35		asc. node	7093 May 24 17:04	17° Π 10'29	
evening set	7092 Jul 06 09:48	2° Ω 19'00			7093 May 31 18:34	0° Θ	
desc. node	7092 Jul 12 03:31	29° Θ 58'51		evening max el	7093 Jun 08 05:48	10° Θ 06'50	18°36'39

retrograde	7093 Jun 16 03:44	14°  02'13		evening set	7094 May 31 23:58	25°  57'38	
evening set	7093 Jun 18 06:41	13°  46'13		inferior conj	7094 Jun 07 23:56	21°  11'10	2°08'13
inferior conj	7093 Jun 26 01:25	9°  20'02	0°51'58	minimum elong	7094 Jun 08 03:09	21°  04'00	2°07'15
minimum elong	7093 Jun 26 03:17	9°  16'28	0°51'14	min. Earth dist.	7094 Jun 11 08:55	18°  12'00	0.59710 AU
desc. node	7093 Jun 29 00:31	7°  04'36		morning rise	7094 Jun 15 03:27	15°  12'18	
min. Earth dist.	7093 Jun 29 08:57	6°  49'10	0.57564 AU	desc. node	7094 Jun 15 21:33	15°  10'51	
morning rise	7093 Jul 03 20:26	4°  04'05		direct	7094 Jun 21 13:36	13°  13'15	
direct	7093 Jul 09 14:28	2°  41'07		morning max el	7094 Jul 05 22:21	21°  12'24	27°36'21
morning max el	7093 Jul 23 23:38	10°  16'36	26°40'39		7094 Jul 13 10:18	0° 	
	7093 Aug 08 02:41	0° 			7094 Aug 01 01:30	0° 	
asc. node	7093 Aug 20 16:22	23°  09'54		morning set	7094 Aug 06 15:35	11°  01'54	
morning set	7093 Aug 22 08:38	26°  04'37		asc. node	7094 Aug 07 13:22	13°  06'14	
	7093 Aug 23 21:58	0° 		max. Earth dist.	7094 Aug 13 00:42	24°  05'18	1.31774 AU
superior conj	7093 Aug 29 07:30	11°  05'18	1°18'32	superior conj	7094 Aug 13 19:05	26°  03'54	1°00'25
minimum elong	7093 Aug 29 05:16	11°  03'47	1°18'12	minimum elong	7094 Aug 13 16:54	26°  02'51	0°59'59
max. Earth dist.	7093 Aug 29 14:15	12°  02'31	1.31853 AU		7094 Aug 15 07:15	0° 	
evening rise	7093 Sep 05 04:12	26°  04'38		evening rise	7094 Aug 20 13:27	11°  02'55	
	7093 Sep 06 17:04	0° 			7094 Aug 29 22:07	0° 	
	7093 Sep 23 16:30	0° 		desc. node	7094 Sep 11 20:41	19°  04'24	
desc. node	7093 Sep 24 23:39	1°  05'12		evening max el	7094 Sep 17 14:49	26°  01'28	25°53'59
evening max el	7093 Oct 05 17:42	14°  03'52	26°56'24		7094 Sep 22 12:45	0° 	
retrograde	7093 Oct 19 15:12	21°  04'01		retrograde	7094 Oct 01 13:34	3°  06'24	
evening set	7093 Oct 26 14:11	19°  04'12		evening set	7094 Oct 07 20:26	1°  03'38	
min. Earth dist.	7093 Oct 30 08:01	17°  02'30	0.60506 AU		7094 Oct 10 13:56	30°  01'00	
inferior conj	7093 Nov 02 12:14	14°  02'46	-4°12'18	min. Earth dist.	7094 Oct 12 03:30	28°  05'05	0.58431 AU
minimum elong	7093 Nov 02 19:09	14°  09'41	4°10'22	inferior conj	7094 Oct 15 07:07	26°  04'24	-5°04'14
morning rise	7093 Nov 10 02:22	9°  03'38		minimum elong	7094 Oct 15 12:48	26°  03'05	5°03'18
direct	7093 Nov 12 08:19	9°  01'18		morning rise	7094 Oct 23 07:30	22°  01'34	
asc. node	7093 Nov 16 15:44	10°  03'38		direct	7094 Oct 25 15:53	21°  05'42	
morning max el	7093 Nov 19 17:00	12°  05'18	18°03'31	morning max el	7094 Nov 02 23:47	25°  05'38	18°38'18
	7093 Dec 01 04:14	0° 		asc. node	7094 Nov 03 12:44	26°  03'42	
morning set	7093 Dec 05 09:40	7°  04'06			7094 Nov 06 11:48	0° 	
				morning set	7094 Nov 19 04:24	21°  05'34	
superior conj	7093 Dec 15 06:40	25°  05'27	0°47'34		7094 Nov 23 08:21	0° 	
minimum elong	7093 Dec 15 10:02	26°  07'21	0°47'10	superior conj	7094 Nov 27 22:06	8°  04'14	1°14'15
	7093 Dec 17 14:55	0° 		minimum elong	7094 Nov 28 01:33	8°  05'25	1°13'54
desc. node	7093 Dec 21 22:47	7°  02'45		max. Earth dist.	7094 Dec 05 04:50	21°  05'16	1.39846 AU
max. Earth dist.	7093 Dec 22 22:03	9°  02'25	1.41916 AU	desc. node	7094 Dec 08 19:48	28°  08'58	
evening rise	7093 Dec 28 08:57	17°  05'35		evening rise	7094 Dec 09 07:30	28°  05'12	
	7094 Jan 05 02:15	0° 			7094 Dec 09 22:15	0° 	
	7094 Jan 26 18:03	0° 			7094 Dec 29 13:55	0° 	
evening max el	7094 Jan 30 15:43	4°  01'21	22°39'17	evening max el	7095 Jan 13 05:56	18°  00'21	23°59'28
retrograde	7094 Feb 09 14:05	10°  01'11		retrograde	7095 Jan 24 07:04	24°  03'16	
asc. node	7094 Feb 12 14:58	9°  02'45		evening set	7095 Jan 29 12:55	22°  00'19	
evening set	7094 Feb 14 07:34	8°  01'47		asc. node	7095 Jan 30 11:59	21°  02'04	
inferior conj	7094 Feb 19 16:12	1°  05'17	2°09'18	min. Earth dist.	7095 Feb 03 07:05	16°  04'29	0.68090 AU
minimum elong	7094 Feb 19 13:56	1°  05'10	2°08'38	inferior conj	7095 Feb 04 00:03	15°  05'55	1°26'54
min. Earth dist.	7094 Feb 19 10:32	2°  01'59	0.68305 AU	minimum elong	7095 Feb 03 22:13	15°  08'07	1°26'16
	7094 Feb 21 00:38	30°  01'00		morning rise	7095 Feb 09 07:32	9°  04'36	
morning rise	7094 Feb 24 20:11	25°  04'21		direct	7095 Feb 13 07:36	8°  01'44	
direct	7094 Mar 01 09:47	23°  04'06		morning max el	7095 Feb 21 06:10	12°  04'13	20°28'38
morning max el	7094 Mar 10 10:40	29°  05'29	21°46'31	desc. node	7095 Mar 06 19:10	0° 	
	7094 Mar 11 07:52	0° 			7095 Mar 06 14:45	0° 	
desc. node	7094 Mar 19 22:10	10°  01'31		morning set	7095 Mar 21 22:57	23°  04'01	
	7094 Apr 02 10:35	0° 			7095 Mar 26 09:23	0° 	
morning set	7094 Apr 11 20:19	14°  03'20		max. Earth dist.	7095 Mar 31 04:09	7°  03'11	1.43477 AU
max. Earth dist.	7094 Apr 17 21:40	24°  02'15	1.41622 AU				
	7094 Apr 21 04:24	0° 		superior conj	7095 Apr 06 13:15	18°  03'19	-2°10'28
superior conj	7094 Apr 25 13:20	7°  03'24	-1°58'34	minimum elong	7095 Apr 06 14:37	18°  09'01	2°10'28
minimum elong	7094 Apr 25 18:22	7°  04'44	1°58'15		7095 Apr 13 14:30	0° 	
evening rise	7094 May 06 08:34	27°  04'06		evening rise	7095 Apr 18 22:40	9°  01'51	
	7094 May 07 22:48	0° 		asc. node	7095 Apr 28 11:08	25°  03'15	
asc. node	7094 May 11 14:06	6°  02'36			7095 May 01 07:08	0° 	
evening max el	7094 May 22 14:40	22°  02'20	18°11'44	evening max el	7095 May 06 03:17	6°  01'25	18°06'15
retrograde	7094 May 29 13:38	26°  02'40		retrograde	7095 May 12 14:34	9°  02'26	

evening set	7095 May 15 08:08	8° Π 45'51		evening max el	7096 Apr 18 16:20	19° \mathcal{B} 24'49	18°19'31
inferior conj	7095 May 21 16:57	3° Π 39'30	2°56'09	retrograde	7096 Apr 25 02:08	22° \mathcal{B} 50'59	
minimum elong	7095 May 21 19:33	3° Π 32'49	2°55'36	evening set	7096 Apr 28 02:34	22° \mathcal{B} 01'29	
min. Earth dist.	7095 May 24 16:52	0° Π 36'51	0.61946 AU	inferior conj	7096 May 04 00:16	16° \mathcal{B} 36'34	3°20'39
	7095 May 25 08:16	30° \mathcal{R} 8		minimum elong	7096 May 04 01:30	16° \mathcal{B} 33'00	3°20'28
morning rise	7095 May 28 05:07	27° \mathcal{B} 36'33		min. Earth dist.	7096 May 06 09:58	13° \mathcal{B} 52'08	0.63996 AU
desc. node	7095 Jun 02 18:33	25° \mathcal{B} 16'22		morning rise	7096 May 09 23:26	10° \mathcal{B} 24'04	
direct	7095 Jun 03 23:28	25° \mathcal{B} 11'56		direct	7096 May 16 17:49	7° \mathcal{B} 41'32	
	7095 Jun 14 14:39	0° Π		desc. node	7096 May 19 15:34	8° \mathcal{B} 08'04	
morning max el	7095 Jun 18 03:09	3° Π 12'52	27°54'38	morning max el	7096 May 30 12:05	15° \mathcal{B} 41'02	27°35'55
	7095 Jul 07 22:51	0° \mathcal{B}			7096 Jun 11 05:42	0° Π	
morning set	7095 Jul 21 17:23	25° \mathcal{B} 25'13			7096 Jun 29 16:10	0° \mathcal{B}	
	7095 Jul 23 22:29	0° Ω		morning set	7096 Jul 04 11:38	9° \mathcal{B} 13'29	
asc. node	7095 Jul 25 10:23	3° Ω 09'51		max. Earth dist.	7096 Jul 09 09:36	19° \mathcal{B} 14'32	1.32983 AU
max. Earth dist.	7095 Jul 27 08:25	7° Ω 17'15	1.32147 AU	asc. node	7096 Jul 11 07:25	23° \mathcal{B} 16'20	
superior conj	7095 Jul 29 04:53	11° Ω 19'17	0°37'59	superior conj	7096 Jul 12 10:59	25° \mathcal{B} 43'24	0°11'45
minimum elong	7095 Jul 29 03:15	11° Ω 10'21	0°37'35	minimum elong	7096 Jul 12 10:24	25° \mathcal{B} 40'19	0°11'34
evening rise	7095 Aug 05 00:50	26° Ω 13'23		behind sun begin	7096 Jul 12 06:39	25° \mathcal{B} 20'14	
	7095 Aug 06 19:41	0° \mathcal{M}		behind sun end	7096 Jul 12 14:09	26° \mathcal{B} 00'24	
	7095 Aug 24 06:50	0° \mathcal{B}			7096 Jul 14 10:40	0° Ω	
desc. node	7095 Aug 29 17:44	6° \mathcal{B} 13'38		evening rise	7096 Jul 19 12:28	10° Ω 54'58	
evening max el	7095 Aug 30 04:54	6° \mathcal{B} 40'50	24°26'12		7096 Jul 29 06:51	0° \mathcal{M}	
retrograde	7095 Sep 13 00:13	13° \mathcal{B} 37'01		evening max el	7096 Aug 10 17:01	16° \mathcal{M} 57'10	22°47'38
evening set	7095 Sep 18 02:03	12° \mathcal{B} 39'49		desc. node	7096 Aug 15 14:46	20° \mathcal{M} 54'24	
min. Earth dist.	7095 Sep 23 15:55	9° \mathcal{B} 49'03	0.56570 AU	retrograde	7096 Aug 23 22:18	23° \mathcal{M} 33'09	
inferior conj	7095 Sep 26 05:55	8° \mathcal{B} 11'15	-5°28'32	evening set	7096 Aug 27 11:46	23° \mathcal{M} 05'23	
minimum elong	7095 Sep 26 06:32	8° \mathcal{B} 10'16	5°28'32	min. Earth dist.	7096 Sep 04 00:58	19° \mathcal{M} 43'20	0.55235 AU
morning rise	7095 Oct 04 13:13	4° \mathcal{B} 08'44		inferior conj	7096 Sep 05 09:53	18° \mathcal{M} 56'16	-5°07'14
direct	7095 Oct 07 04:45	3° \mathcal{B} 49'50		minimum elong	7096 Sep 05 03:25	19° \mathcal{M} 05'32	5°06'17
morning max el	7095 Oct 16 20:16	8° \mathcal{B} 22'23	19°35'00	morning rise	7096 Sep 13 21:07	15° \mathcal{M} 07'08	
asc. node	7095 Oct 21 09:45	13° \mathcal{B} 38'32		direct	7096 Sep 16 23:27	14° \mathcal{M} 44'56	
	7095 Oct 31 01:36	0° \mathcal{M}		morning max el	7096 Sep 28 04:16	19° \mathcal{M} 58'43	20°53'48
morning set	7095 Nov 03 07:00	6° \mathcal{M} 23'32			7096 Oct 06 05:34	0° \mathcal{B}	
superior conj	7095 Nov 11 05:29	22° \mathcal{M} 19'50	1°31'31	asc. node	7096 Oct 07 06:48	1° \mathcal{B} 39'25	
minimum elong	7095 Nov 11 07:53	22° \mathcal{M} 31'42	1°31'23	morning set	7096 Oct 17 14:46	21° \mathcal{B} 06'30	
	7095 Nov 15 04:39	0° \mathcal{X}			7096 Oct 21 21:10	0° \mathcal{M}	
max. Earth dist.	7095 Nov 17 10:20	4° \mathcal{X} 11'19	1.37709 AU	superior conj	7096 Oct 25 00:24	6° \mathcal{M} 29'57	1°40'22
evening rise	7095 Nov 21 04:05	10° \mathcal{X} 57'42		minimum elong	7096 Oct 25 01:25	6° \mathcal{M} 35'07	1°40'23
desc. node	7095 Nov 25 16:49	18° \mathcal{X} 47'02		max. Earth dist.	7096 Oct 29 19:20	16° \mathcal{M} 07'31	1.35734 AU
	7095 Dec 02 15:16	0° \mathcal{B}		evening rise	7096 Nov 02 19:45	23° \mathcal{M} 48'46	
	7095 Dec 25 01:13	0° \approx			7096 Nov 06 05:05	0° \mathcal{X}	
evening max el	7095 Dec 26 19:01	1° \approx 46'22	25°15'37	desc. node	7096 Nov 11 13:52	9° \mathcal{X} 14'54	
retrograde	7096 Jan 07 19:39	8° \approx 42'59			7096 Nov 25 06:42	0° \mathcal{B}	
evening set	7096 Jan 13 14:35	6° \approx 19'05		evening max el	7096 Dec 08 08:03	15° \mathcal{B} 31'15	26°20'25
asc. node	7096 Jan 17 09:02	2° \approx 15'32		retrograde	7096 Dec 21 03:09	22° \mathcal{B} 44'07	
min. Earth dist.	7096 Jan 18 01:18	1° \approx 23'45	0.67504 AU	evening set	7096 Dec 27 10:53	20° \mathcal{B} 10'25	
inferior conj	7096 Jan 19 05:29	29° \mathcal{B} 52'18	0°36'57	min. Earth dist.	7096 Dec 31 14:56	15° \mathcal{B} 50'03	0.66555 AU
minimum elong	7096 Jan 19 04:34	29° \mathcal{B} 55'14	0°36'38	inferior conj	7097 Jan 02 06:35	13° \mathcal{B} 49'21	-0°19'50
	7096 Jan 19 03:06	30° \mathcal{R} 3		minimum elong	7097 Jan 02 07:07	13° \mathcal{B} 47'43	0°19'33
morning rise	7096 Jan 24 18:51	23° \mathcal{B} 56'36		asc. node	7097 Jan 03 06:05	12° \mathcal{B} 38'27	
direct	7096 Jan 28 06:36	22° \mathcal{B} 46'31		morning rise	7097 Jan 08 04:03	8° \mathcal{B} 03'34	
morning max el	7096 Feb 04 09:40	26° \mathcal{B} 44'09	19°24'23	direct	7097 Jan 11 05:05	7° \mathcal{B} 11'13	
	7096 Feb 07 08:28	0° \approx		morning max el	7097 Jan 17 20:19	10° \mathcal{B} 47'16	18°35'51
greatest brilliancy	7096 Feb 17 10:04	13° \approx 57'46	-0.7m		7097 Jan 31 17:11	0° \approx	
desc. node	7096 Feb 21 16:08	20° \approx 22'40		morning set	7097 Feb 07 15:00	10° \approx 53'16	
	7096 Feb 27 22:46	0° \mathcal{H}		desc. node	7097 Feb 07 13:09	10° \approx 45'57	
morning set	7096 Feb 28 21:12	1° \mathcal{H} 26'35			7097 Feb 19 18:37	0° \mathcal{H}	
max. Earth dist.	7096 Mar 12 17:55	21° \mathcal{H} 30'28	1.44788 AU	superior conj	7097 Feb 23 18:22	6° \mathcal{H} 15'01	-1°39'39
superior conj	7096 Mar 16 12:18	27° \mathcal{H} 29'15	-2°05'07	minimum elong	7097 Feb 23 08:49	5° \mathcal{H} 37'36	1°38'45
minimum elong	7096 Mar 16 07:00	27° \mathcal{H} 08'04	2°04'52	max. Earth dist.	7097 Feb 23 12:12	5° \mathcal{H} 50'53	1.45410 AU
	7096 Mar 18 01:59	0° \mathcal{Y}			7097 Mar 10 19:38	0° \mathcal{Y}	
evening rise	7096 Mar 30 15:55	20° \mathcal{Y} 35'50		evening rise	7097 Mar 11 09:47	0° \mathcal{Y} 56'21	
	7096 Apr 05 07:17	0° \mathcal{B}		greatest brilliancy	7097 Mar 19 20:18	14° \mathcal{Y} 22'03	-0.8m
asc. node	7096 Apr 14 08:11	14° \mathcal{B} 08'49			7097 Mar 30 12:57	0° \mathcal{B}	

asc. node	7097 Apr 01 05:15	1°♄58'05			7098 Feb 12 12:20	0°♄	
evening max el	7097 Apr 02 03:10	2°♄56'03	18°50'45	evening rise	7098 Feb 19 06:53	10°♄30'09	
retrograde	7097 Apr 08 20:20	6°♄40'16			7098 Mar 04 00:34	0°♄	
evening set	7097 Apr 12 03:49	5°♄37'02		greatest brilliancy	7098 Mar 04 14:43	0°♄52'45	-0.7m
inferior conj	7097 Apr 17 18:03	29°♄55'18	3°26'52	evening max el	7098 Mar 16 09:47	16°♄31'01	19°38'42
minimum elong	7097 Apr 17 17:53	29°♄55'50	3°26'49	asc. node	7098 Mar 19 02:17	18°♄53'59	
	7097 Apr 17 16:32	30°♄		retrograde	7098 Mar 23 17:54	20°♄43'57	
min. Earth dist.	7097 Apr 19 12:16	27°♄43'47	0.65697 AU	evening set	7098 Mar 27 09:15	19°♄26'28	
morning rise	7097 Apr 23 07:25	23°♄38'56		inferior conj	7098 Apr 01 19:02	13°♄29'55	3°18'51
direct	7097 Apr 29 19:22	20°♄50'58		minimum elong	7098 Apr 01 17:45	13°♄34'12	3°18'41
desc. node	7097 May 06 12:35	23°♄12'28		min. Earth dist.	7098 Apr 02 22:23	11°♄59'15	0.66979 AU
morning max el	7097 May 12 22:32	28°♄37'33	26°45'31	morning rise	7098 Apr 07 01:57	7°♄13'13	
	7097 May 14 06:15	0°♄		direct	7098 Apr 13 03:12	4°♄31'20	
	7097 Jun 05 00:56	0°♄		desc. node	7098 Apr 23 09:36	9°♄57'10	
morning set	7097 Jun 17 19:11	22°♄27'55		morning max el	7098 Apr 25 08:18	11°♄50'06	25°32'00
	7097 Jun 21 16:06	0°♄			7098 May 09 21:23	0°♄	
max. Earth dist.	7097 Jun 22 00:53	0°♄43'45	1.34293 AU		7098 May 28 17:27	0°♄	
				morning set	7098 May 31 11:52	4°♄57'04	
superior conj	7097 Jun 26 11:09	9°♄45'42	-0°17'28	max. Earth dist.	7098 Jun 04 04:58	11°♄49'47	1.36053 AU
minimum elong	7097 Jun 26 12:06	9°♄50'42	0°17'20				
asc. node	7097 Jun 28 04:28	13°♄21'32		superior conj	7098 Jun 10 02:40	23°♄19'10	-0°48'23
evening rise	7097 Jul 03 22:22	25°♄27'26		minimum elong	7098 Jun 10 05:30	23°♄33'19	0°47'55
	7097 Jul 06 03:10	0°♄			7098 Jun 13 10:02	0°♄	
evening max el	7097 Jul 23 11:46	27°♄25'08	21°14'24	asc. node	7098 Jun 15 01:30	3°♄21'38	
	7097 Jul 26 11:18	0°♄		evening rise	7098 Jun 18 04:22	9°♄44'26	
desc. node	7097 Aug 02 11:50	3°♄12'01			7098 Jun 29 02:56	0°♄	
retrograde	7097 Aug 04 11:50	3°♄21'44		evening max el	7098 Jul 05 19:04	8°♄31'38	19°57'15
evening set	7097 Aug 06 20:10	3°♄08'55		retrograde	7098 Jul 16 02:47	13°♄36'07	
	7097 Aug 14 15:55	30°♄		evening set	7098 Jul 17 23:55	13°♄26'45	
inferior conj	7097 Aug 16 03:07	29°♄10'52	-3°52'04	desc. node	7098 Jul 20 08:52	12°♄50'06	
minimum elong	7097 Aug 15 17:51	29°♄23'53	3°49'25	inferior conj	7098 Jul 26 23:55	9°♄26'38	-2°00'08
min. Earth dist.	7097 Aug 16 10:18	29°♄00'47	0.54720 AU	minimum elong	7098 Jul 26 18:22	9°♄35'02	1°58'08
morning rise	7097 Aug 24 16:14	25°♄16'59		min. Earth dist.	7098 Jul 28 22:03	8°♄16'49	0.55171 AU
direct	7097 Aug 28 07:55	24°♄48'17		morning rise	7098 Aug 04 11:01	5°♄07'24	
	7097 Sep 09 02:35	0°♄		direct	7098 Aug 08 20:33	4°♄25'03	
morning max el	7097 Sep 10 00:43	0°♄49'46	22°30'50	morning max el	7098 Aug 22 14:28	11°♄11'41	24°15'56
asc. node	7097 Sep 24 03:50	20°♄20'51			7098 Sep 05 18:38	0°♄	
	7097 Sep 29 04:32	0°♄		asc. node	7098 Sep 11 00:52	9°♄32'54	
morning set	7097 Oct 02 01:24	5°♄55'58		morning set	7098 Sep 16 13:07	20°♄46'47	
					7098 Sep 20 19:30	0°♄	
superior conj	7097 Oct 09 03:13	21°♄01'54	1°41'57				
minimum elong	7097 Oct 09 02:53	21°♄00'09	1°41'59	superior conj	7098 Sep 23 11:09	5°♄47'12	1°37'12
max. Earth dist.	7097 Oct 12 11:33	28°♄03'05	1.34092 AU	minimum elong	7098 Sep 23 09:46	5°♄39'41	1°37'07
	7097 Oct 13 10:18	0°♄		max. Earth dist.	7098 Sep 25 12:05	10°♄12'01	1.32875 AU
evening rise	7097 Oct 17 02:18	7°♄20'02		evening rise	7098 Sep 30 20:03	21°♄21'47	
desc. node	7097 Oct 29 10:55	29°♄26'14			7098 Oct 05 05:35	0°♄	
	7097 Oct 29 19:15	0°♄		desc. node	7098 Oct 16 07:58	19°♄13'43	
evening max el	7097 Nov 20 20:55	29°♄06'05	27°06'48		7098 Oct 23 17:14	0°♄	
	7097 Nov 21 19:59	0°♄		evening max el	7098 Nov 03 08:31	12°♄20'03	27°27'48
retrograde	7097 Dec 04 05:04	6°♄25'31		retrograde	7098 Nov 17 00:39	19°♄38'15	
evening set	7097 Dec 10 23:42	3°♄47'39		evening set	7098 Nov 24 02:20	17°♄04'38	
	7097 Dec 14 22:23	30°♄		min. Earth dist.	7098 Nov 27 19:42	13°♄50'39	0.63601 AU
min. Earth dist.	7097 Dec 14 21:43	0°♄01'49	0.65245 AU	inferior conj	7098 Nov 30 10:32	11°♄11'33	-2°29'06
inferior conj	7097 Dec 17 01:08	27°♄37'45	-1°22'29	minimum elong	7098 Nov 30 15:06	10°♄59'57	2°27'16
minimum elong	7097 Dec 17 03:33	27°♄30'56	1°21'23	morning rise	7098 Dec 07 05:36	5°♄53'42	
asc. node	7097 Dec 21 03:08	23°♄31'12		asc. node	7098 Dec 08 00:10	5°♄38'33	
morning rise	7097 Dec 23 08:39	22°♄04'29		direct	7098 Dec 09 15:27	5°♄25'24	
direct	7097 Dec 26 00:55	21°♄26'08		morning max el	7098 Dec 16 04:55	8°♄49'44	17°49'16
morning max el	7098 Jan 01 11:43	24°♄51'39	18°03'56		7098 Dec 30 08:20	0°♄	
	7098 Jan 05 18:38	0°♄		morning set	7099 Jan 01 16:26	4°♄01'53	
morning set	7098 Jan 19 14:19	21°♄48'32		desc. node	7099 Jan 12 07:10	22°♄02'17	
	7098 Jan 24 14:22	0°♄					
desc. node	7098 Jan 25 10:10	1°♄20'29		superior conj	7099 Jan 14 03:43	25°♄05'49	-0°13'19
				minimum elong	7099 Jan 14 02:16	24°♄59'53	0°13'02
superior conj	7098 Feb 03 01:37	15°♄11'40	-0°58'52	behind sun begin	7099 Jan 13 20:33	24°♄36'22	
minimum elong	7098 Feb 02 18:39	14°♄44'03	0°57'54	behind sun end	7099 Jan 14 08:00	25°♄23'22	
max. Earth dist.	7098 Feb 06 07:41	20°♄19'22	1.45284 AU		7099 Jan 17 04:02	0°♄	

max. Earth dist.	7099 Jan 20 01:42	4°≈39'20	1.44442 AU	superior conj	7099 Dec 26 07:45	6°⌚15'21	0°27'48
evening rise	7099 Jan 29 17:49	19°≈46'32		minimum elong	7099 Dec 26 10:08	6°⌚25'36	0°27'31
	7099 Feb 05 11:07	0°⌘		desc. node	7099 Dec 30 04:10	12°⌚48'03	
	7099 Feb 27 08:09	0°⌘		max. Earth dist.	7100 Jan 02 16:28	18°⌚37'03	1.42980 AU
evening max el	7099 Feb 27 11:05	0°⌘07'30	20°41'02	evening rise	7100 Jan 09 10:15	29°⌚24'38	
asc. node	7099 Mar 05 23:20	4°⌘41'49			7100 Jan 09 19:16	0°≈	
retrograde	7099 Mar 07 16:17	4°⌘57'00			7100 Jan 30 02:52	0°⌘	
evening set	7099 Mar 11 16:44	3°⌘24'38		evening max el	7100 Feb 10 07:09	13°⌘46'20	21°54'09
	7099 Mar 14 23:17	30°⌘⌘		retrograde	7100 Feb 19 13:41	19°⌘16'12	
inferior conj	7099 Mar 17 00:34	27°⌘15'29	2°59'18	asc. node	7100 Feb 20 20:22	19°⌘07'43	
minimum elong	7099 Mar 16 22:33	27°⌘22'24	2°58'55	evening set	7100 Feb 24 00:38	17°⌘28'32	
min. Earth dist.	7099 Mar 17 14:14	26°⌘28'31	0.67832 AU	inferior conj	7100 Mar 01 08:31	11°⌘09'29	2°30'05
morning rise	7099 Mar 22 04:09	21°⌘00'43		minimum elong	7100 Mar 01 06:12	11°⌘17'31	2°29'28
direct	7099 Mar 27 16:14	18°⌘33'48		min. Earth dist.	7100 Mar 01 09:38	11°⌘05'36	0.68258 AU
morning max el	7099 Apr 07 17:01	25°⌘09'39	24°05'22	morning rise	7100 Mar 06 11:36	4°⌘58'11	
desc. node	7099 Apr 10 06:35	27°⌘54'14		direct	7100 Mar 11 09:29	2°⌘51'52	
	7099 Apr 12 02:10	0°⌘		morning max el	7100 Mar 21 03:16	8°⌘36'34	22°35'50
	7099 May 03 09:19	0°⌘		desc. node	7100 Mar 28 03:35	16°⌘43'57	
morning set	7099 May 13 08:13	16°⌘25'14			7100 Apr 06 19:56	0°⌘	
max. Earth dist.	7099 May 17 01:17	22°⌘56'18	1.38164 AU	morning set	7100 Apr 24 02:43	26°⌘39'04	
	7099 May 20 22:25	0°⌘			7100 Apr 26 03:21	0°⌘	
				max. Earth dist.	7100 Apr 28 21:55	4°⌘40'09	1.40404 AU
superior conj	7099 May 24 06:02	6°⌘14'04	-1°19'01	superior conj	7100 May 06 17:02	18°⌘20'54	-1°46'12
minimum elong	7099 May 24 10:40	6°⌘36'13	1°18'24	minimum elong	7100 May 06 22:34	18°⌘45'52	1°45'42
asc. node	7099 Jun 01 22:30	23°⌘11'48			7100 May 13 00:29	0°⌘	
evening rise	7099 Jun 02 03:48	23°⌘37'50		evening rise	7100 May 16 17:31	7°⌘00'06	
	7099 Jun 05 10:18	0°⌘		asc. node	7100 May 19 19:31	12°⌘47'44	
evening max el	7099 Jun 18 14:49	20°⌘21'30	19°00'12		7100 May 30 07:49	0°⌘	
retrograde	7099 Jun 27 06:59	24°⌘37'51		evening max el	7100 Jun 01 19:56	2°⌘48'57	18°23'37
evening set	7099 Jun 29 06:24	24°⌘25'28		retrograde	7100 Jun 09 06:26	6°⌘31'26	
desc. node	7099 Jul 07 05:54	20°⌘22'36		evening set	7100 Jun 11 12:39	6°⌘11'49	
inferior conj	7099 Jul 07 12:44	20°⌘10'43	-0°05'08	inferior conj	7100 Jun 18 23:01	1°⌘36'49	1°27'59
minimum elong	7099 Jul 07 12:31	20°⌘11'06	0°05'07	minimum elong	7100 Jun 19 01:47	1°⌘31'11	1°27'01
transit middle	7099 Jul 07 12:31	20°⌘11'06	0°05'07		7100 Jun 20 22:12	30°⌘⌘	
transit begin	7099 Jul 07 08:57	20°⌘17'18		min. Earth dist.	7100 Jun 22 08:45	28°⌘51'16	0.58451 AU
transit end	7099 Jul 07 16:05	20°⌘04'52		desc. node	7100 Jun 24 02:55	27°⌘34'01	
min. Earth dist.	7099 Jul 10 13:00	18°⌘05'39	0.56505 AU	morning rise	7100 Jun 26 11:41	26°⌘07'39	
morning rise	7099 Jul 15 15:23	15°⌘15'39		direct	7100 Jul 02 13:31	24°⌘30'45	
direct	7099 Jul 20 22:07	14°⌘09'47			7100 Jul 14 12:17	0°⌘	
morning max el	7099 Aug 04 04:04	21°⌘30'25	25°53'55	morning max el	7100 Jul 16 22:50	2°⌘14'00	27°08'43
	7099 Aug 11 14:19	0°⌘			7100 Aug 05 22:59	0°⌘	
asc. node	7099 Aug 28 21:52	29°⌘07'04		asc. node	7100 Aug 15 18:52	18°⌘56'49	
	7099 Aug 29 08:16	0°⌘		morning set	7100 Aug 16 09:17	20°⌘12'31	
morning set	7099 Sep 01 00:18	5°⌘33'57			7100 Aug 20 22:06	0°⌘	
superior conj	7099 Sep 07 21:57	20°⌘38'35	1°26'50	superior conj	7100 Aug 23 09:45	5°⌘29'45	1°11'25
minimum elong	7099 Sep 07 19:54	20°⌘27'17	1°26'35	minimum elong	7100 Aug 23 07:29	5°⌘17'11	1°11'01
max. Earth dist.	7099 Sep 08 19:15	22°⌘36'00	1.32102 AU	max. Earth dist.	7100 Aug 23 05:46	5°⌘07'40	1.31768 AU
	7099 Sep 12 04:42	0°⌘		evening rise	7100 Aug 30 04:59	20°⌘21'43	
evening rise	7099 Sep 14 21:48	5°⌘45'01			7100 Sep 03 21:46	0°⌘	
	7099 Sep 27 19:40	0°⌘		desc. node	7100 Sep 20 02:03	26°⌘54'28	
desc. node	7099 Oct 03 05:01	8°⌘27'44			7100 Sep 22 11:25	0°⌘	
evening max el	7099 Oct 16 16:41	25°⌘00'34	27°17'40	evening max el	7100 Sep 28 18:28	6°⌘54'52	26°33'40
	7099 Oct 23 04:32	0°⌘		retrograde	7100 Oct 12 16:25	14°⌘01'55	
retrograde	7099 Oct 30 12:53	2°⌘13'12		evening set	7100 Oct 19 10:16	12°⌘08'44	
	7099 Nov 06 11:48	30°⌘⌘		min. Earth dist.	7100 Oct 23 08:04	9°⌘33'41	0.59620 AU
evening set	7099 Nov 06 15:22	29°⌘54'20		inferior conj	7100 Oct 26 13:15	7°⌘02'36	-4°36'37
min. Earth dist.	7099 Nov 10 07:19	27°⌘05'48	0.61687 AU	minimum elong	7100 Oct 26 20:02	6°⌘49'15	4°35'01
inferior conj	7099 Nov 13 07:45	24°⌘23'12	-3°36'04	morning rise	7100 Nov 03 08:01	2°⌘25'25	
minimum elong	7099 Nov 13 14:09	24°⌘08'46	3°33'56	direct	7100 Nov 05 14:37	2°⌘06'46	
morning rise	7099 Nov 20 15:01	19°⌘24'03		asc. node	7100 Nov 11 18:14	4°⌘31'20	
direct	7099 Nov 22 21:26	19°⌘02'08		morning max el	7100 Nov 13 07:52	5°⌘53'51	18°15'42
asc. node	7099 Nov 24 21:12	19°⌘19'37			7100 Nov 28 13:52	0°⌘	
morning max el	7099 Nov 29 20:46	22°⌘33'37	17°52'45	morning set	7100 Nov 29 03:28	1°⌘04'27	
	7099 Dec 05 15:36	0°⌘					
morning set	7099 Dec 15 14:49	17°⌘13'25		superior conj	7100 Dec 08 11:43	18°⌘33'26	1°00'04
	7099 Dec 22 17:40	0°⌘					

minimum elong	7100 Dec 08 15:19	18° ♄ 49'47	0°59'40	minimum elong	7101 Nov 21 13:44	2° ♄ 01'06	1°22'24
	7100 Dec 14 23:00	0° ♄		max. Earth dist.	7101 Nov 28 08:17	14° ♄ 33'58	1.38932 AU
max. Earth dist.	7100 Dec 16 02:28	1° ♄ 57'25	1.41065 AU	evening rise	7101 Dec 02 04:20	21° ♄ 17'32	
desc. node	7100 Dec 17 01:11	3° ♄ 33'39		desc. node	7101 Dec 03 22:13	24° ♄ 15'50	
evening rise	7100 Dec 20 20:09	9° ♄ 51'09			7101 Dec 07 09:17	0° ♄	
	7101 Jan 02 19:55	0° ♄			7101 Dec 27 20:39	0° ♄	
evening max el	7101 Jan 23 22:56	27° ♄ 27'09	23°13'22	evening max el	7102 Jan 06 12:18	11° ♄ 11'05	24°32'36
	7101 Jan 26 17:07	0° ♄					
retrograde	7101 Feb 03 08:36	3° ♄ 36'40					
asc. node	7101 Feb 07 17:25	2° ♄ 01'23					
evening set	7101 Feb 08 07:21	1° ♄ 33'45					
	7101 Feb 09 21:55	30° ♄					
inferior conj	7101 Feb 13 16:54	25° ♄ 08'11	1°52'16				
minimum elong	7101 Feb 13 14:45	25° ♄ 15'34	1°51'35				
min. Earth dist.	7101 Feb 13 06:19	25° ♄ 44'38	0.68269 AU				
morning rise	7101 Feb 18 22:06	19° ♄ 01'43					
direct	7101 Feb 23 05:51	17° ♄ 18'08					
morning max el	7101 Mar 03 18:42	22° ♄ 13'44	21°11'55				
	7101 Mar 10 10:24	0° ♄					
desc. node	7101 Mar 15 00:34	6° ♄ 11'13					
	7101 Mar 31 03:05	0° ♄					
morning set	7101 Apr 03 17:37	5° ♄ 37'12					
max. Earth dist.	7101 Apr 11 00:34	17° ♄ 18'49	1.42472 AU				
superior conj	7101 Apr 18 06:53	29° ♄ 28'31	-2°05'22				
minimum elong	7101 Apr 18 10:51	29° ♄ 45'29	2°05'12				
	7101 Apr 18 14:14	0° ♄					
evening rise	7101 Apr 29 17:34	19° ♄ 41'53					
	7101 May 05 11:54	0° ♄					
asc. node	7101 May 06 16:33	2° ♄ 04'07					
evening max el	7101 May 16 06:45	15° ♄ 45'04	18°07'01				
retrograde	7101 May 22 23:28	19° ♄ 09'52					
evening set	7101 May 25 12:54	18° ♄ 40'09					
inferior conj	7101 Jun 01 05:53	13° ♄ 44'44	2°31'49				
minimum elong	7101 Jun 01 09:00	13° ♄ 37'20	2°30'59				
min. Earth dist.	7101 Jun 04 11:47	10° ♄ 41'19	0.60665 AU				
morning rise	7101 Jun 08 02:40	7° ♄ 50'48					
desc. node	7101 Jun 10 23:55	6° ♄ 22'39					
direct	7101 Jun 14 17:08	5° ♄ 41'58					
morning max el	7101 Jun 29 00:29	13° ♄ 39'21	27°49'02				
	7101 Jul 12 02:11	0° ♄					
	7101 Jul 29 07:55	0° ♄					
morning set	7101 Jul 31 14:21	4° ♄ 37'20					
asc. node	7101 Aug 02 15:52	8° ♄ 56'56					
max. Earth dist.	7101 Aug 06 15:45	17° ♄ 35'25	1.31873 AU				
superior conj	7101 Aug 07 20:48	20° ♄ 15'18	0°51'24				
minimum elong	7101 Aug 07 18:48	20° ♄ 04'14	0°50'59				
	7101 Aug 12 06:58	0° ♄					
evening rise	7101 Aug 14 15:24	5° ♄ 05'21					
	7101 Aug 27 17:15	0° ♄					
desc. node	7101 Sep 06 23:05	14° ♄ 15'11					
evening max el	7101 Sep 10 12:11	17° ♄ 58'35	25°19'02				
retrograde	7101 Sep 24 09:59	25° ♄ 00'51					
evening set	7101 Sep 30 06:20	23° ♄ 42'16					
min. Earth dist.	7101 Oct 04 23:51	21° ♄ 02'50	0.57596 AU				
inferior conj	7101 Oct 07 23:46	19° ♄ 00'33	-5°19'00				
minimum elong	7101 Oct 08 03:48	18° ♄ 53'40	5°18'34				
morning rise	7101 Oct 16 03:35	14° ♄ 46'38					
direct	7101 Oct 18 14:33	14° ♄ 28'37					
morning max el	7101 Oct 27 10:45	18° ♄ 41'13	18°59'43				
asc. node	7101 Oct 29 15:16	21° ♄ 00'58					
	7101 Nov 04 20:19	0° ♄					
morning set	7101 Nov 13 02:00	15° ♄ 22'42					
	7101 Nov 20 12:32	0° ♄					
superior conj	7101 Nov 21 10:38	1° ♄ 46'17	1°22'38				