

superior conj	999 Aug 13 j 03:55	24°♁37'33	1°22'18	direct	1002 Jan 30 j 12:12	17°♁46'09	
minimum elong	999 Aug 12 j 23:44	24°♁24'34	1°22'15	greatest brilliancy	1002 Feb 10 j 02:11	19°♁52'22	-4.6m
	999 Aug 17 j 11:43	0°♎			1002 Feb 27 j 07:23	0°♎	
	999 Sep 10 j 13:53	0°♌		morning max el	1002 Mar 21 j 04:01	19°♎17'49	46°19'33
evening rise	999 Sep 19 j 10:36	11°♌03'35			1002 Mar 31 j 18:34	0°♋	
	999 Oct 04 j 14:47	0°♌		desc. node	1002 Apr 02 j 02:41	1°♋23'29	
desc. node	999 Oct 16 j 07:45	14°♌36'55			1002 Apr 28 j 10:13	0°♎	
	999 Oct 28 j 15:40	0°♌			1002 May 24 j 16:09	0°♎	
	999 Nov 21 j 17:33	0°♁			1002 Jun 19 j 05:25	0°♌	
	999 Dec 15 j 22:11	0°♎			1002 Jul 14 j 07:01	0°♁	
	1000 Jan 09 j 09:20	0°♋		asc. node	1002 Jul 24 j 06:13	12°♁04'21	
	1000 Feb 03 j 10:19	0°♎			1002 Aug 07 j 22:38	0°♁	
asc. node	1000 Feb 06 j 11:03	3°♎33'29			1002 Sep 01 j 05:49	0°♎	
	1000 Feb 29 j 15:38	0°♎		morning set	1002 Sep 14 j 20:50	16°♎58'18	
evening max el	1000 Mar 24 j 16:01	25°♎08'02	45°42'54		1002 Sep 25 j 06:56	0°♌	
	1000 Mar 29 j 18:25	0°♌			1002 Oct 19 j 04:44	0°♌	
greatest brilliancy	1000 Apr 27 j 20:50	21°♌42'53	-4.5m	max. Earth dist.	1002 Oct 21 j 22:36	3°♌26'55	1.71280 AU
retrograde	1000 May 12 j 14:21	25°♌29'55					
evening set	1000 May 27 j 14:37	21°♌07'27		superior conj	1002 Oct 23 j 11:35	5°♌23'08	0°45'58
desc. node	1000 May 28 j 00:19	20°♌54'06		minimum elong	1002 Oct 23 j 21:23	5°♌53'55	0°45'33
inferior conj	1000 Jun 03 j 01:16	17°♌16'07	-1°-24'-43		1002 Nov 12 j 01:23	0°♌	
minimum elong	1000 Jun 02 j 22:11	17°♌20'57	1°23'51	desc. node	1002 Nov 12 j 19:38	0°♌57'21	
min. Earth dist.	1000 Jun 03 j 01:52	17°♌15'11	0.28977 AU	evening rise	1002 Dec 03 j 15:05	27°♌06'42	
morning rise	1000 Jun 09 j 05:47	13°♌33'09			1002 Dec 05 j 22:15	0°♁	
direct	1000 Jun 24 j 17:02	8°♌58'00			1002 Dec 29 j 20:23	0°♎	
greatest brilliancy	1000 Jul 08 j 13:47	12°♌19'02	-4.5m		1003 Jan 22 j 21:25	0°♋	
	1000 Aug 02 j 22:00	0°♁			1003 Feb 16 j 04:09	0°♎	
morning max el	1000 Aug 12 j 18:11	9°♁05'27	45°57'13	asc. node	1003 Mar 05 j 22:58	21°♎40'47	
	1000 Sep 02 j 02:06	0°♁			1003 Mar 12 j 20:25	0°♎	
asc. node	1000 Sep 18 j 03:55	17°♁52'38			1003 Apr 07 j 03:39	0°♌	
	1000 Sep 28 j 15:54	0°♎			1003 May 03 j 11:58	0°♁	
	1000 Oct 23 j 19:12	0°♌			1003 Jun 01 j 01:44	0°♁	
	1000 Nov 17 j 05:39	0°♌		evening max el	1003 Jun 04 j 07:41	3°♁08'23	45°22'47
	1000 Dec 11 j 08:27	0°♌		desc. node	1003 Jun 25 j 12:19	21°♁14'46	
	1001 Jan 04 j 08:42	0°♁			1003 Jul 10 j 12:16	0°♎	
desc. node	1001 Jan 07 j 17:16	4°♁11'45		greatest brilliancy	1003 Jul 10 j 16:51	0°♎04'41	-4.5m
	1001 Jan 28 j 08:59	0°♎		retrograde	1003 Jul 22 j 20:56	2°♎41'17	
morning set	1001 Feb 15 j 12:07	22°♎36'28			1003 Aug 03 j 15:50	30°♁	
	1001 Feb 21 j 10:37	0°♋		evening set	1003 Aug 09 j 11:39	26°♁56'25	
	1001 Mar 17 j 14:28	0°♎		inferior conj	1003 Aug 13 j 04:27	24°♁41'12	-8°-26'-59
				minimum elong	1003 Aug 12 j 23:33	24°♁48'48	8°26'39
superior conj	1001 Mar 26 j 16:56	11°♎16'05	-1°-10'-57	min. Earth dist.	1003 Aug 13 j 15:13	24°♁24'32	0.28491 AU
minimum elong	1001 Mar 27 j 02:20	11°♎45'10	1°10'42	morning rise	1003 Aug 16 j 11:14	22°♁40'17	
max. Earth dist.	1001 Mar 29 j 18:53	15°♎04'42	1.72887 AU	direct	1003 Sep 03 j 14:46	16°♁30'50	
	1001 Apr 10 j 21:01	0°♎		greatest brilliancy	1003 Sep 18 j 00:40	20°♁12'02	-4.6m
asc. node	1001 Apr 30 j 20:41	24°♎35'35			1003 Oct 03 j 03:21	0°♎	
evening rise	1001 May 03 j 12:47	27°♎52'25		asc. node	1003 Oct 16 j 15:33	11°♎48'13	
	1001 May 05 j 06:22	0°♌		morning max el	1003 Oct 23 j 20:37	18°♎52'15	46°39'10
	1001 May 29 j 18:15	0°♁			1003 Nov 03 j 12:32	0°♌	
	1001 Jun 23 j 08:45	0°♁			1003 Nov 30 j 02:38	0°♌	
	1001 Jul 18 j 02:54	0°♎			1003 Dec 25 j 07:03	0°♌	
	1001 Aug 12 j 02:59	0°♌			1004 Jan 18 j 22:38	0°♁	
desc. node	1001 Aug 20 j 09:59	9°♌51'19		desc. node	1004 Feb 05 j 05:08	21°♁10'52	
	1001 Sep 06 j 12:45	0°♌			1004 Feb 12 j 09:25	0°♎	
	1001 Oct 02 j 16:05	0°♌			1004 Mar 07 j 18:53	0°♋	
evening max el	1001 Oct 30 j 12:03	29°♌55'46	47°18'35		1004 Apr 01 j 04:34	0°♎	
	1001 Oct 30 j 13:44	0°♁			1004 Apr 25 j 15:01	0°♎	
	1001 Dec 06 j 18:57	0°♎		morning set	1004 Apr 27 j 21:24	2°♎46'49	
greatest brilliancy	1001 Dec 07 j 20:01	0°♎28'39	-4.7m		1004 May 20 j 01:51	0°♌	
asc. node	1001 Dec 11 j 13:22	1°♎54'57		asc. node	1004 May 28 j 08:37	10°♌10'02	
retrograde	1001 Dec 20 j 08:47	3°♎24'56		max. Earth dist.	1004 Jun 02 j 12:14	16°♌29'32	1.73623 AU
	1002 Jan 02 j 06:23	30°♁					
evening set	1002 Jan 04 j 22:33	28°♁33'21		superior conj	1004 Jun 03 j 14:04	17°♌48'50	0°14'44
min. Earth dist.	1002 Jan 09 j 01:23	26°♁04'50	0.26937 AU	minimum elong	1004 Jun 03 j 11:06	17°♌39'42	0°14'36
inferior conj	1002 Jan 10 j 00:25	25°♁29'09	6°41'31	behind sun begin	1004 Jun 03 j 02:22	17°♌12'55	
minimum elong	1002 Jan 09 j 14:12	25°♁44'58	6°39'25	behind sun end	1004 Jun 03 j 19:49	18°♌06'30	
morning rise	1002 Jan 14 j 06:25	22°♁55'03			1004 Jun 13 j 12:07	0°♁	

	1004 Jul 07 j 21:11	0°♁		greatest brilliancy	1006 Nov 27 j 17:33	2°♌25'56	-4.7m
evening rise	1004 Jul 09 j 09:57	1°♁53'12			1007 Jan 01 j 16:12	0°♂	
	1004 Aug 01 j 05:20	0°♎		morning max el	1007 Jan 04 j 07:33	2°♂39'19	46°55'51
	1004 Aug 25 j 13:41	0°♎			1007 Jan 29 j 16:23	0°♂	
desc. node	1004 Sep 16 j 21:53	27°♎27'35			1007 Feb 24 j 17:58	0°♏	
	1004 Sep 18 j 23:35	0°♌		desc. node	1007 Mar 04 j 17:00	9°♏21'19	
	1004 Oct 13 j 12:22	0°♂			1007 Mar 22 j 02:37	0°♏	
	1004 Nov 07 j 06:23	0°♂			1007 Apr 16 j 03:42	0°♎	
	1004 Dec 02 j 12:06	0°♏			1007 May 11 j 00:41	0°♏	
asc. node	1004 Dec 28 j 23:28	0°♏			1007 Jun 04 j 18:20	0°♌	
	1005 Jan 08 j 01:14	10°♏39'57		asc. node	1007 Jun 25 j 20:26	25°♌43'56	
evening max el	1005 Jan 10 j 03:57	12°♏49'35	46°54'34		1007 Jun 29 j 08:05	0°♏	
	1005 Jan 28 j 12:43	0°♎		morning set	1007 Jul 05 j 11:12	7°♏31'06	
greatest brilliancy	1005 Feb 15 j 15:30	12°♎16'59	-4.6m		1007 Jul 23 j 17:20	0°♁	
retrograde	1005 Mar 01 j 17:19	15°♎54'24		max. Earth dist.	1007 Aug 07 j 09:28	18°♁09'20	1.72748 AU
evening set	1005 Mar 19 j 01:31	10°♎05'00					
inferior conj	1005 Mar 22 j 23:18	7°♎38'48	7°26'48	superior conj	1007 Aug 10 j 21:24	22°♁29'40	1°21'28
minimum elong	1005 Mar 23 j 07:55	7°♎25'10	7°25'30	minimum elong	1007 Aug 10 j 16:38	22°♁14'50	1°21'25
min. Earth dist.	1005 Mar 22 j 20:24	7°♎43'24	0.28505 AU		1007 Aug 16 j 22:26	0°♎	
morning rise	1005 Mar 27 j 14:31	4°♎46'54			1007 Sep 10 j 00:42	0°♎	
	1005 Apr 08 j 01:35	30°♏		evening rise	1007 Sep 17 j 01:21	8°♎45'56	
direct	1005 Apr 13 j 03:55	29°♏28'51			1007 Oct 04 j 01:46	0°♌	
	1005 Apr 18 j 09:48	0°♎		desc. node	1007 Oct 15 j 09:52	14°♌08'52	
greatest brilliancy	1005 Apr 25 j 01:39	2°♎00'42	-4.5m		1007 Oct 28 j 02:53	0°♂	
desc. node	1005 Apr 29 j 14:28	4°♎06'37			1007 Nov 21 j 05:05	0°♂	
morning max el	1005 May 31 j 23:43	29°♎23'46	45°46'11		1007 Dec 15 j 10:08	0°♏	
	1005 Jun 01 j 14:52	0°♏			1008 Jan 08 j 21:53	0°♏	
	1005 Jun 30 j 15:23	0°♌			1008 Feb 02 j 23:59	0°♎	
	1005 Jul 27 j 07:09	0°♏		asc. node	1008 Feb 05 j 13:02	2°♎58'46	
asc. node	1005 Aug 20 j 18:05	28°♏45'50			1008 Feb 29 j 07:51	0°♏	
	1005 Aug 21 j 18:53	0°♁		evening max el	1008 Mar 22 j 08:35	22°♏58'23	45°44'53
	1005 Sep 15 j 12:37	0°♎			1008 Mar 29 j 19:03	0°♌	
	1005 Oct 09 j 18:38	0°♎		greatest brilliancy	1008 Apr 25 j 13:36	19°♌35'01	-4.5m
	1005 Nov 02 j 18:02	0°♌		retrograde	1008 May 10 j 07:08	23°♌21'33	
	1005 Nov 26 j 14:37	0°♂		evening set	1008 May 25 j 07:19	18°♌59'04	
morning set	1005 Nov 27 j 18:59	1°♂29'15		desc. node	1008 May 27 j 02:28	17°♌57'54	
desc. node	1005 Dec 10 j 07:31	17°♂15'01		inferior conj	1008 May 31 j 17:42	15°♌07'33	-1°-5'-11
	1005 Dec 20 j 10:45	0°♂		minimum elong	1008 May 31 j 15:19	15°♌11'18	1°04'30
				min. Earth dist.	1008 May 31 j 18:10	15°♌06'49	0.28972 AU
superior conj	1006 Jan 08 j 15:54	24°♂08'53	-1°-2'-32	morning rise	1008 Jun 06 j 23:26	11°♌22'46	
minimum elong	1006 Jan 08 j 03:58	23°♂31'26	1°02'09	direct	1008 Jun 22 j 09:52	6°♌49'39	
max. Earth dist.	1006 Jan 11 j 17:11	27°♂58'50	1.71328 AU	greatest brilliancy	1008 Jul 06 j 03:54	10°♌07'57	-4.5m
	1006 Jan 13 j 07:49	0°♏			1008 Aug 03 j 00:24	0°♏	
	1006 Feb 06 j 06:58	0°♏		morning max el	1008 Aug 10 j 10:08	6°♏55'01	45°56'03
evening rise	1006 Feb 18 j 11:12	15°♏10'45			1008 Sep 01 j 18:44	0°♁	
	1006 Mar 02 j 09:33	0°♎		asc. node	1008 Sep 17 j 05:53	17°♁16'31	
	1006 Mar 26 j 17:02	0°♏			1008 Sep 28 j 05:41	0°♎	
asc. node	1006 Apr 02 j 10:53	8°♏16'09			1008 Oct 23 j 07:44	0°♎	
	1006 Apr 20 j 06:45	0°♌			1008 Nov 16 j 17:33	0°♌	
	1006 May 15 j 04:19	0°♏			1008 Dec 10 j 20:00	0°♂	
	1006 Jun 09 j 12:46	0°♁			1009 Jan 03 j 20:01	0°♂	
	1006 Jul 05 j 14:59	0°♎		desc. node	1009 Jan 06 j 19:18	3°♂42'49	
desc. node	1006 Jul 23 j 00:08	19°♎11'57			1009 Jan 27 j 20:09	0°♏	
	1006 Aug 02 j 04:19	0°♎		morning set	1009 Feb 12 j 23:58	20°♏09'32	
evening max el	1006 Aug 15 j 19:03	13°♎42'04	46°15'47		1009 Feb 20 j 21:38	0°♏	
	1006 Sep 03 j 03:12	0°♌			1009 Mar 17 j 01:20	0°♎	
greatest brilliancy	1006 Sep 23 j 19:23	12°♌33'34	-4.6m				
retrograde	1006 Oct 04 j 08:30	14°♌36'01		superior conj	1009 Mar 24 j 07:45	8°♎59'53	-1°-12'-51
evening set	1006 Oct 19 j 19:43	9°♌58'17		minimum elong	1009 Mar 24 j 16:53	9°♎28'09	1°12'38
inferior conj	1006 Oct 24 j 23:46	6°♌56'15	-4°-41'-41	max. Earth dist.	1009 Mar 27 j 14:31	13°♎03'29	1.72836 AU
minimum elong	1006 Oct 25 j 09:11	6°♌41'58	4°39'07		1009 Apr 10 j 07:49	0°♏	
min. Earth dist.	1006 Oct 25 j 15:30	6°♌32'25	0.26737 AU	asc. node	1009 Apr 29 j 22:50	24°♏08'58	
morning rise	1006 Oct 30 j 22:08	3°♌28'27		evening rise	1009 May 01 j 05:58	25°♏44'33	
	1006 Nov 08 j 09:18	30°♎			1009 May 04 j 17:11	0°♌	
asc. node	1006 Nov 13 j 03:31	29°♎14'57			1009 May 29 j 05:14	0°♏	
direct	1006 Nov 14 j 13:32	29°♎12'28			1009 Jun 22 j 20:03	0°♁	
	1006 Nov 20 j 21:45	0°♌			1009 Jul 17 j 14:44	0°♎	

	1014 Jul 05 j 06:02	0°♍		desc. node	1017 Jan 05 j 21:20	3°♁13'18	
desc. node	1014 Jul 22 j 02:05	18°♍30'28			1017 Jan 27 j 07:28	0°♁	
	1014 Aug 01 j 23:57	0°♌		morning set	1017 Feb 10 j 11:30	17°♁41'01	
evening max el	1014 Aug 13 j 09:31	11°♌23'40	46°13'14		1017 Feb 20 j 08:47	0°♁	
	1014 Sep 03 j 18:53	0°♌			1017 Mar 16 j 12:22	0°♍	
greatest brilliancy	1014 Sep 21 j 07:08	10°♌07'00	-4.6m				
retrograde	1014 Oct 01 j 21:08	12°♌09'28		superior conj	1017 Mar 21 j 22:24	6°♍42'36	-1°-14'-39
evening set	1014 Oct 17 j 11:09	7°♌27'34		minimum elong	1017 Mar 22 j 07:12	7°♍09'50	1°14'27
inferior conj	1014 Oct 22 j 12:15	4°♌29'16	-5°-1'-33	max. Earth dist.	1017 Mar 25 j 09:10	10°♍58'38	1.72784 AU
minimum elong	1014 Oct 22 j 22:05	4°♌14'22	4°58'58		1017 Apr 09 j 18:48	0°♁	
min. Earth dist.	1014 Oct 23 j 04:35	4°♌04'30	0.26789 AU	evening rise	1017 Apr 28 j 22:59	23°♁35'39	
morning rise	1014 Oct 28 j 08:34	1°♌04'15		asc. node	1017 Apr 29 j 00:52	23°♁41'26	
	1014 Oct 30 j 10:30	30°♌			1017 May 04 j 04:12	0°♌	
direct	1014 Nov 12 j 03:20	26°♌44'50			1017 May 28 j 16:23	0°♁	
asc. node	1014 Nov 12 j 05:31	26°♌44'50			1017 Jun 22 j 07:29	0°♌	
greatest brilliancy	1014 Nov 25 j 07:42	29°♌59'12	-4.7m		1017 Jul 17 j 02:41	0°♍	
	1014 Nov 25 j 08:24	0°♌			1017 Aug 11 j 04:29	0°♌	
	1015 Jan 01 j 15:53	0°♁		desc. node	1017 Aug 18 j 14:05	8°♌45'43	
morning max el	1015 Jan 01 j 21:58	0°♁15'26	46°56'05		1017 Sep 05 j 17:09	0°♌	
	1015 Jan 29 j 09:15	0°♁			1017 Oct 02 j 01:58	0°♁	
	1015 Feb 24 j 08:16	0°♁		evening max el	1017 Oct 25 j 15:49	25°♁06'41	47°16'24
desc. node	1015 Mar 03 j 19:05	8°♁46'45			1017 Oct 30 j 14:05	0°♁	
	1015 Mar 21 j 15:34	0°♁		greatest brilliancy	1017 Dec 03 j 04:29	25°♁40'19	-4.7m
	1015 Apr 15 j 15:49	0°♍		asc. node	1017 Dec 09 j 17:25	27°♁50'42	
	1015 May 10 j 12:13	0°♁		retrograde	1017 Dec 15 j 10:45	28°♁29'28	
	1015 Jun 04 j 05:30	0°♌		evening set	1017 Dec 30 j 18:12	23°♁49'23	
asc. node	1015 Jun 24 j 22:26	25°♌16'25		min. Earth dist.	1018 Jan 04 j 04:54	21°♁09'53	0.26825 AU
	1015 Jun 28 j 19:02	0°♁		inferior conj	1018 Jan 05 j 02:29	20°♁36'26	6°09'42
morning set	1015 Jul 03 j 05:28	5°♁26'18		minimum elong	1018 Jan 04 j 16:11	20°♁52'24	6°07'20
	1015 Jul 23 j 04:15	0°♌		morning rise	1018 Jan 09 j 14:38	17°♁53'15	
max. Earth dist.	1015 Aug 05 j 02:22	15°♌59'08	1.72799 AU	direct	1018 Jan 25 j 12:44	12°♁55'14	
				greatest brilliancy	1018 Feb 05 j 05:29	15°♁03'11	-4.6m
superior conj	1015 Aug 08 j 15:04	20°♌21'36	1°20'32		1018 Feb 28 j 09:27	0°♁	
minimum elong	1015 Aug 08 j 09:44	20°♌05'06	1°20'28	morning max el	1018 Mar 16 j 04:48	14°♁29'19	46°22'34
	1015 Aug 16 j 09:24	0°♍			1018 Mar 31 j 08:56	0°♁	
	1015 Sep 09 j 11:49	0°♌		desc. node	1018 Mar 31 j 06:58	29°♁54'50	
evening rise	1015 Sep 14 j 16:07	6°♌27'31			1018 Apr 27 j 16:04	0°♍	
	1015 Oct 03 j 13:04	0°♌			1018 May 23 j 18:14	0°♁	
desc. node	1015 Oct 14 j 11:58	13°♌39'50			1018 Jun 18 j 05:30	0°♌	
	1015 Oct 27 j 14:25	0°♁			1018 Jul 13 j 05:56	0°♁	
	1015 Nov 20 j 16:55	0°♁		asc. node	1018 Jul 22 j 10:20	11°♁08'12	
	1015 Dec 14 j 22:23	0°♁			1018 Aug 06 j 20:54	0°♌	
	1016 Jan 08 j 10:46	0°♁			1018 Aug 31 j 03:46	0°♍	
	1016 Feb 02 j 14:03	0°♍		morning set	1018 Sep 10 j 03:25	12°♍25'48	
asc. node	1016 Feb 04 j 15:05	2°♍23'12			1018 Sep 24 j 04:50	0°♌	
	1016 Feb 29 j 00:39	0°♁		max. Earth dist.	1018 Oct 16 j 14:45	28°♌06'53	1.71356 AU
evening max el	1016 Mar 20 j 00:50	20°♁46'56	45°46'52		1018 Oct 18 j 02:46	0°♌	
	1016 Mar 29 j 21:22	0°♌					
greatest brilliancy	1016 Apr 23 j 07:02	17°♌27'13	-4.5m	superior conj	1018 Oct 18 j 12:25	0°♌30'21	0°52'04
retrograde	1016 May 07 j 23:27	21°♌12'40		minimum elong	1018 Oct 18 j 22:46	1°♌02'49	0°51'41
evening set	1016 May 23 j 00:14	16°♌50'03			1018 Nov 10 j 23:36	0°♁	
desc. node	1016 May 26 j 04:25	14°♌59'32		desc. node	1018 Nov 10 j 23:45	0°♁00'29	
inferior conj	1016 May 29 j 10:13	12°♌58'45	0°-45'-41	evening rise	1018 Nov 28 j 11:20	21°♁58'43	
minimum elong	1016 May 29 j 08:33	13°♌01'23	0°45'12		1018 Dec 04 j 20:38	0°♁	
min. Earth dist.	1016 May 29 j 10:53	12°♌57'43	0.28963 AU		1018 Dec 28 j 18:56	0°♁	
morning rise	1016 Jun 04 j 16:59	9°♌12'10			1019 Jan 21 j 20:16	0°♁	
direct	1016 Jun 20 j 02:25	4°♌41'08			1019 Feb 15 j 03:33	0°♍	
greatest brilliancy	1016 Jul 03 j 17:33	7°♌55'59	-4.5m	asc. node	1019 Mar 04 j 03:10	20°♍40'39	
	1016 Aug 03 j 01:34	0°♁			1019 Mar 11 j 20:54	0°♁	
morning max el	1016 Aug 08 j 01:12	4°♁42'08	45°54'53		1019 Apr 06 j 06:17	0°♌	
	1016 Sep 01 j 11:12	0°♌			1019 May 02 j 19:15	0°♁	
asc. node	1016 Sep 16 j 08:06	16°♌40'55		evening max el	1019 May 30 j 12:21	28°♁39'02	45°21'47
	1016 Sep 27 j 19:32	0°♍			1019 May 31 j 22:26	0°♌	
	1016 Oct 22 j 20:26	0°♌		desc. node	1019 Jun 23 j 16:24	18°♌52'12	
	1016 Nov 16 j 05:39	0°♌		greatest brilliancy	1019 Jul 05 j 15:32	25°♌31'00	-4.5m
	1016 Dec 10 j 07:45	0°♁		retrograde	1019 Jul 18 j 02:42	28°♌15'35	
	1017 Jan 03 j 07:32	0°♁		evening set	1019 Aug 04 j 11:40	22°♌38'07	

inferior conj	1019 Aug 08 j 10:55	20°♁13'48	-8°-14'-33	superior conj	1022 Jan 03 j 11:33	18°♁59'47	0°-56'-48
minimum elong	1019 Aug 08 j 04:38	20°♁23'31	8°13'58	minimum elong	1022 Jan 02 j 23:41	18°♁22'30	0°56'22
min. Earth dist.	1019 Aug 08 j 20:23	19°♁59'10	0.28576 AU	max. Earth dist.	1022 Jan 06 j 09:36	22°♁39'45	1.71264 AU
morning rise	1019 Aug 11 j 21:20	18°♁07'38			1022 Jan 12 j 05:53	0°≈	
direct	1019 Aug 29 j 21:21	12°♁01'48			1022 Feb 05 j 05:01	0°✕	
greatest brilliancy	1019 Sep 13 j 10:28	15°♁45'55	-4.6m	evening rise	1022 Feb 13 j 11:02	10°✕17'32	
	1019 Oct 03 j 22:22	0°♁			1022 Mar 01 j 07:39	0°♁	
asc. node	1019 Oct 14 j 19:46	10°♁00'33			1022 Mar 25 j 15:19	0°♁	
morning max el	1019 Oct 19 j 02:14	14°♁13'54	46°36'32	asc. node	1022 Mar 31 j 15:01	7°♁20'14	
	1019 Nov 03 j 01:24	0°♁			1022 Apr 19 j 05:33	0°♁	
	1019 Nov 29 j 08:20	0°♁			1022 May 14 j 04:13	0°♁	
	1019 Dec 24 j 09:39	0°♁			1022 Jun 08 j 14:45	0°♁	
	1020 Jan 17 j 23:29	0°♁			1022 Jul 04 j 21:00	0°♁	
desc. node	1020 Feb 03 j 09:15	20°♁09'45		desc. node	1022 Jul 21 j 04:15	17°♁49'53	
	1020 Feb 11 j 09:06	0°≈			1022 Aug 01 j 19:53	0°♁	
	1020 Mar 06 j 17:44	0°✕		evening max el	1022 Aug 10 j 23:48	9°♁05'42	46°10'37
	1020 Mar 31 j 02:50	0°♁			1022 Sep 04 j 15:21	0°♁	
morning set	1020 Apr 23 j 07:44	28°♁30'32		greatest brilliancy	1022 Sep 18 j 19:39	7°♁42'16	-4.6m
	1020 Apr 24 j 12:52	0°♁		retrograde	1022 Sep 29 j 09:12	9°♁43'44	
	1020 May 18 j 23:27	0°♁		evening set	1022 Oct 15 j 02:39	4°♁57'48	
asc. node	1020 May 26 j 12:38	9°♁16'09		inferior conj	1022 Oct 20 j 00:43	2°♁03'22	-5°-20'-56
max. Earth dist.	1020 May 29 j 07:09	12°♁40'22	1.73631 AU	minimum elong	1022 Oct 20 j 10:51	1°♁47'57	5°18'21
				min. Earth dist.	1022 Oct 20 j 17:50	1°♁37'21	0.26839 AU
superior conj	1020 May 30 j 02:31	13°♁39'49	0°08'30		1022 Oct 23 j 10:53	30°♁	
minimum elong	1020 May 30 j 00:46	13°♁34'29	0°08'25	morning rise	1022 Oct 25 j 18:37	28°♁41'14	
behind sun begin	1020 May 29 j 05:31	12°♁35'22		direct	1022 Nov 09 j 16:50	24°♁18'18	
behind sun end	1020 May 30 j 20:01	14°♁33'37		asc. node	1022 Nov 11 j 07:31	24°♁21'27	
	1020 Jun 12 j 09:40	0°♁		greatest brilliancy	1022 Nov 22 j 21:34	27°♁33'00	-4.7m
evening rise	1020 Jul 04 j 23:46	27°♁47'12			1022 Nov 27 j 13:32	0°♁	
	1020 Jul 06 j 18:55	0°♁		morning max el	1022 Dec 30 j 11:28	27°♁50'21	46°56'30
	1020 Jul 31 j 03:28	0°♁			1023 Jan 01 j 14:06	0°♁	
	1020 Aug 24 j 12:28	0°♁			1023 Jan 29 j 01:20	0°♁	
desc. node	1020 Sep 15 j 02:07	26°♁28'13			1023 Feb 23 j 21:57	0°≈	
	1020 Sep 17 j 23:17	0°♁		desc. node	1023 Mar 02 j 21:11	8°≈13'51	
	1020 Oct 12 j 13:19	0°♁			1023 Mar 21 j 03:59	0°✕	
	1020 Nov 06 j 09:12	0°♁			1023 Apr 15 j 03:28	0°♁	
	1020 Dec 01 j 18:14	0°≈			1023 May 09 j 23:23	0°♁	
	1020 Dec 28 j 13:20	0°✕			1023 Jun 03 j 16:20	0°♁	
evening max el	1021 Jan 05 j 09:55	8°✕11'16	46°58'58	asc. node	1023 Jun 24 j 00:34	24°♁50'14	
asc. node	1021 Jan 06 j 05:19	9°✕00'27			1023 Jun 28 j 05:42	0°♁	
	1021 Jan 29 j 13:26	0°♁		morning set	1023 Jun 30 j 23:27	3°♁21'37	
greatest brilliancy	1021 Feb 10 j 23:19	7°♁46'25	-4.6m		1023 Jul 22 j 14:51	0°♁	
retrograde	1021 Feb 25 j 02:07	11°♁25'18		max. Earth dist.	1023 Aug 02 j 18:13	13°♁46'45	1.72848 AU
evening set	1021 Mar 14 j 14:00	5°♁27'45					
min. Earth dist.	1021 Mar 18 j 01:48	3°♁17'16	0.28438 AU	superior conj	1023 Aug 06 j 08:34	18°♁14'11	1°19'29
inferior conj	1021 Mar 18 j 06:35	3°♁09'43	7°47'00	minimum elong	1023 Aug 06 j 02:43	17°♁56'05	1°19'23
minimum elong	1021 Mar 18 j 14:23	2°♁57'23	7°45'59		1023 Aug 15 j 20:03	0°♁	
morning rise	1021 Mar 22 j 15:01	0°♁28'26			1023 Sep 08 j 22:36	0°♁	
	1021 Mar 23 j 10:30	30°✕		evening rise	1023 Sep 12 j 06:54	4°♁10'11	
direct	1021 Apr 08 j 10:00	25°✕00'50			1023 Oct 03 j 00:03	0°♁	
greatest brilliancy	1021 Apr 20 j 04:49	27°✕30'43	-4.5m	desc. node	1023 Oct 13 j 13:55	13°♁11'15	
	1021 Apr 25 j 11:53	0°♁			1023 Oct 27 j 01:40	0°♁	
desc. node	1021 Apr 27 j 18:32	1°♁16'32			1023 Nov 20 j 04:28	0°♁	
morning max el	1021 May 27 j 08:28	25°♁04'36	45°47'15		1023 Dec 14 j 10:18	0°≈	
	1021 Jun 01 j 10:02	0°♁			1024 Jan 07 j 23:17	0°✕	
	1021 Jun 29 j 22:19	0°♁			1024 Feb 02 j 03:45	0°♁	
	1021 Jul 26 j 09:34	0°♁		asc. node	1024 Feb 03 j 17:15	1°♁49'15	
asc. node	1021 Aug 18 j 22:14	27°♁45'22			1024 Feb 28 j 17:14	0°♁	
	1021 Aug 20 j 19:10	0°♁		evening max el	1024 Mar 17 j 16:13	18°♁34'42	45°48'47
	1021 Sep 14 j 11:48	0°♁			1024 Mar 30 j 00:36	0°♁	
	1021 Oct 08 j 17:17	0°♁		greatest brilliancy	1024 Apr 20 j 23:57	15°♁19'59	-4.5m
	1021 Nov 01 j 16:24	0°♁		retrograde	1024 May 05 j 15:28	19°♁05'10	
morning set	1021 Nov 22 j 16:22	26°♁24'34		evening set	1024 May 20 j 17:21	14°♁41'56	
	1021 Nov 25 j 12:50	0°♁		desc. node	1024 May 25 j 06:30	12°♁00'39	
desc. node	1021 Dec 08 j 11:32	16°♁17'51		inferior conj	1024 May 27 j 02:50	10°♁51'14	0°-26'-1
	1021 Dec 19 j 08:53	0°♁		minimum elong	1024 May 27 j 01:53	10°♁52'44	0°25'46
				min. Earth dist.	1024 May 27 j 03:59	10°♁49'26	0.28960 AU

morning rise	1024 Jun 02 j 10:28	7°♁02'58			1027 Jan 21 j 07:38	0°♁		
direct	1024 Jun 17 j 18:39	2°♁33'40			1027 Feb 14 j 15:13	0°♁		
greatest brilliancy	1024 Jul 01 j 08:18	5°♁46'15	-4.5m		1027 Mar 03 j 05:07	20°♁10'23		
	1024 Aug 03 j 01:11	0°♁		asc. node	1027 Mar 11 j 09:06	0°♁		
morning max el	1024 Aug 05 j 15:55	2°♁29'17	45°53'46		1027 Apr 05 j 19:34	0°♁		
	1024 Sep 01 j 03:05	0°♁			1027 May 02 j 11:00	0°♁		
asc. node	1024 Sep 15 j 10:06	16°♁05'49			1027 May 28 j 03:49	26°♁28'05	45°21'30	
	1024 Sep 27 j 08:57	0°♁		evening max el	1027 May 31 j 21:53	0°♁		
	1024 Oct 22 j 08:45	0°♁			1027 Jun 22 j 18:29	17°♁38'50		
	1024 Nov 15 j 17:24	0°♁		desc. node	1027 Jul 03 j 02:16	23°♁14'43	-4.5m	
	1024 Dec 09 j 19:10	0°♁		greatest brilliancy	1027 Jul 15 j 18:14	26°♁03'58		
	1025 Jan 02 j 18:44	0°♁		retrograde	1027 Aug 01 j 23:44	20°♁30'24		
desc. node	1025 Jan 04 j 23:26	2°♁44'55		evening set	1027 Aug 06 j 02:18	18°♁01'11	-8°-7'-13	
	1025 Jan 26 j 18:27	0°♁		inferior conj	1027 Aug 05 j 19:26	18°♁11'48	8°06'31	
morning set	1025 Feb 07 j 23:06	15°♁13'35		minimum elong	1027 Aug 06 j 10:39	17°♁48'18	0.28619 AU	
	1025 Feb 19 j 19:35	0°♁		min. Earth dist.	1027 Aug 09 j 14:54	15°♁51'54		
	1025 Mar 15 j 23:01	0°♁		morning rise	1027 Aug 27 j 13:37	9°♁48'32		
				direct	1027 Sep 11 j 03:12	13°♁33'41	-4.6m	
superior conj	1025 Mar 19 j 13:19	4°♁27'18	-1°-16'-19	greatest brilliancy	1027 Oct 04 j 03:56	0°♁		
minimum elong	1025 Mar 19 j 21:42	4°♁53'15	1°16'08		1027 Oct 13 j 21:45	9°♁08'21		
max. Earth dist.	1025 Mar 23 j 02:50	8°♁51'57	1.72727 AU	asc. node	1027 Oct 16 j 18:10	11°♁58'15	46°35'03	
	1025 Apr 09 j 05:23	0°♁		morning max el	1027 Nov 02 j 19:08	0°♁		
evening rise	1025 Apr 26 j 16:12	21°♁28'30			1027 Nov 28 j 22:53	0°♁		
asc. node	1025 Apr 28 j 02:52	23°♁14'58			1027 Dec 23 j 22:46	0°♁		
	1025 May 03 j 14:51	0°♁			1028 Jan 17 j 11:46	0°♁		
	1025 May 28 j 03:12	0°♁		desc. node	1028 Feb 02 j 11:19	19°♁39'25		
	1025 Jun 21 j 18:38	0°♁			1028 Feb 10 j 20:52	0°♁		
	1025 Jul 16 j 14:25	0°♁			1028 Mar 06 j 05:07	0°♁		
	1025 Aug 10 j 17:09	0°♁			1028 Mar 30 j 13:56	0°♁		
desc. node	1025 Aug 17 j 16:09	8°♁13'23		morning set	1028 Apr 21 j 00:45	26°♁21'59		
	1025 Sep 05 j 07:23	0°♁			1028 Apr 23 j 23:45	0°♁		
	1025 Oct 01 j 19:16	0°♁			1028 May 18 j 10:11	0°♁		
evening max el	1025 Oct 23 j 04:32	22°♁39'43	47°15'09	asc. node	1028 May 25 j 14:49	8°♁49'56		
	1025 Oct 30 j 15:59	0°♁		max. Earth dist.	1028 May 27 j 06:46	10°♁52'37	1.73626 AU	
greatest brilliancy	1025 Nov 30 j 19:47	23°♁14'43	-4.7m					
asc. node	1025 Dec 08 j 19:33	25°♁40'46		superior conj	1028 May 27 j 20:46	11°♁35'37	0°05'22	
retrograde	1025 Dec 12 j 23:21	26°♁01'31		minimum elong	1028 May 27 j 19:40	11°♁32'13	0°05'19	
evening set	1025 Dec 28 j 03:54	21°♁26'16		behind sun begin	1028 May 26 j 22:16	10°♁26'32		
min. Earth dist.	1026 Jan 01 j 18:40	18°♁41'29	0.26773 AU	behind sun end	1028 May 28 j 17:03	12°♁37'55		
inferior conj	1026 Jan 02 j 15:16	18°♁09'39	5°52'22		1028 Jun 11 j 20:21	0°♁		
minimum elong	1026 Jan 02 j 05:02	18°♁25'27	5°49'55	evening rise	1028 Jul 02 j 18:59	25°♁45'34		
morning rise	1026 Jan 07 j 06:33	15°♁22'06			1028 Jul 06 j 05:41	0°♁		
direct	1026 Jan 23 j 00:28	10°♁28'53			1028 Jul 30 j 14:29	0°♁		
greatest brilliancy	1026 Feb 02 j 20:11	12°♁39'30	-4.6m		1028 Aug 23 j 23:51	0°♁		
	1026 Feb 28 j 17:34	0°♁		desc. node	1028 Sep 14 j 04:03	25°♁58'00		
morning max el	1026 Mar 13 j 17:43	12°♁06'29	46°24'24		1028 Sep 17 j 11:11	0°♁		
desc. node	1026 Mar 30 j 08:51	29°♁11'20			1028 Oct 12 j 01:54	0°♁		
	1026 Mar 31 j 03:07	0°♁			1028 Nov 05 j 22:49	0°♁		
	1026 Apr 27 j 06:26	0°♁			1028 Dec 01 j 09:41	0°♁		
	1026 May 23 j 06:52	0°♁			1028 Dec 28 j 09:10	0°♁		
	1026 Jun 17 j 17:12	0°♁		evening max el	1029 Jan 03 j 01:54	5°♁54'14	47°01'04	
	1026 Jul 12 j 17:08	0°♁		asc. node	1029 Jan 05 j 07:25	8°♁09'16		
asc. node	1026 Jul 21 j 12:23	10°♁40'50			1029 Jan 30 j 08:46	0°♁		
	1026 Aug 06 j 07:49	0°♁		greatest brilliancy	1029 Feb 08 j 16:00	5°♁31'29	-4.6m	
	1026 Aug 30 j 14:34	0°♁		retrograde	1029 Feb 22 j 18:27	9°♁09'28		
morning set	1026 Sep 07 j 18:54	10°♁10'44		evening set	1029 Mar 12 j 07:58	3°♁08'19		
	1026 Sep 23 j 15:39	0°♁		inferior conj	1029 Mar 15 j 22:01	0°♁54'03	7°56'10	
max. Earth dist.	1026 Oct 14 j 02:24	25°♁38'35	1.71395 AU	minimum elong	1029 Mar 16 j 05:22	0°♁42'27	7°55'17	
				min. Earth dist.	1029 Mar 15 j 16:02	1°♁03'31	0.28399 AU	
superior conj	1026 Oct 16 j 00:56	28°♁04'44	0°54'59		1029 Mar 17 j 08:21	30°♁		
minimum elong	1026 Oct 16 j 11:26	28°♁37'41	0°54'34	morning rise	1029 Mar 20 j 03:00	28°♁18'01		
	1026 Oct 17 j 13:38	0°♁		direct	1029 Apr 06 j 01:25	22°♁45'58		
desc. node	1026 Nov 10 j 01:49	29°♁32'30		greatest brilliancy	1029 Apr 17 j 16:59	25°♁13'18	-4.5m	
	1026 Nov 10 j 10:35	0°♁			1029 Apr 26 j 23:47	0°♁		
evening rise	1026 Nov 25 j 21:26	19°♁25'05		desc. node	1029 Apr 26 j 20:40	29°♁55'12		
	1026 Dec 04 j 07:43	0°♁		morning max el	1029 May 25 j 00:40	22°♁54'21	45°47'55	
	1026 Dec 28 j 06:07	0°♁			1029 Jun 01 j 06:35	0°♁		

	1034 Aug 05 j 19:02	0°♁		greatest brilliancy	1037 Feb 06 j 09:51	3°♃18'16	-4.6m
	1034 Aug 30 j 01:40	0°♄		retrograde	1037 Feb 20 j 10:34	6°♃53'52	
morning set	1034 Sep 05 j 10:24	7°♄54'57		evening set	1037 Mar 10 j 01:54	0°♃49'42	
	1034 Sep 23 j 02:45	0°♁			1037 Mar 11 j 10:04	30°♃	
max. Earth dist.	1034 Oct 11 j 14:08	23°♁09'45	1.71431 AU	min. Earth dist.	1037 Mar 13 j 06:24	28°♃50'12	0.28355 AU
				inferior conj	1037 Mar 13 j 13:34	28°♃38'52	8°04'30
superior conj	1034 Oct 13 j 13:41	25°♁39'01	0°57'45	minimum elong	1037 Mar 13 j 20:22	28°♃28'08	8°03'47
minimum elong	1034 Oct 14 j 00:14	26°♁12'07	0°57'22	morning rise	1037 Mar 17 j 15:06	26°♃07'55	
	1034 Oct 17 j 00:48	0°♃		direct	1037 Apr 03 j 16:57	20°♃31'52	
desc. node	1034 Nov 09 j 03:58	29°♃03'57		greatest brilliancy	1037 Apr 15 j 04:45	22°♃55'53	-4.5m
	1034 Nov 09 j 21:48	0°♂		desc. node	1037 Apr 25 j 22:47	28°♃36'54	
evening rise	1034 Nov 23 j 07:51	16°♂51'41			1037 Apr 28 j 00:54	0°♃	
	1034 Dec 03 j 19:00	0°♂		morning max el	1037 May 22 j 15:59	20°♃42'11	45°48'24
	1034 Dec 27 j 17:30	0°♁			1037 Jun 01 j 02:21	0°♂	
	1035 Jan 20 j 19:10	0°♃			1037 Jun 29 j 04:20	0°♂	
	1035 Feb 14 j 03:04	0°♃			1037 Jul 25 j 11:34	0°♁	
asc. node	1035 Mar 02 j 07:11	19°♃39'46		asc. node	1037 Aug 17 j 02:18	26°♁45'08	
	1035 Mar 10 j 21:34	0°♂			1037 Aug 19 j 19:13	0°♁	
	1035 Apr 05 j 09:15	0°♂			1037 Sep 13 j 10:53	0°♄	
	1035 May 02 j 03:25	0°♁			1037 Oct 07 j 15:53	0°♁	
evening max el	1035 May 25 j 19:54	24°♁17'27	45°21'12		1037 Oct 31 j 14:48	0°♃	
	1035 May 31 j 23:02	0°♁		morning set	1037 Nov 17 j 14:04	21°♃20'34	
desc. node	1035 Jun 21 j 20:32	16°♁21'48			1037 Nov 24 j 11:09	0°♂	
greatest brilliancy	1035 Jun 30 j 14:15	20°♁58'40	-4.5m	desc. node	1037 Dec 06 j 15:39	15°♂20'33	
retrograde	1035 Jul 13 j 09:42	23°♁50'54			1037 Dec 18 j 07:09	0°♂	
evening set	1035 Jul 30 j 11:37	18°♁21'46					
inferior conj	1035 Aug 03 j 17:34	15°♁47'23	-7°-59'-8	superior conj	1037 Dec 29 j 06:34	13°♂47'59	0°-50'-31
minimum elong	1035 Aug 03 j 10:09	15°♁58'51	7°58'18	minimum elong	1037 Dec 28 j 19:14	13°♂12'23	0°50'05
min. Earth dist.	1035 Aug 04 j 00:40	15°♁36'24	0.28655 AU	max. Earth dist.	1038 Jan 01 j 02:05	17°♂20'05	1.71200 AU
morning rise	1035 Aug 07 j 08:29	13°♁34'41			1038 Jan 11 j 04:08	0°♁	
direct	1035 Aug 25 j 05:58	7°♁34'26			1038 Feb 04 j 03:13	0°♃	
greatest brilliancy	1035 Sep 08 j 18:33	11°♁18'53	-4.6m	evening rise	1038 Feb 08 j 09:42	5°♃19'47	
	1035 Oct 04 j 07:57	0°♄			1038 Feb 28 j 05:52	0°♃	
asc. node	1035 Oct 13 j 00:00	8°♄17'05			1038 Mar 24 j 13:46	0°♂	
morning max el	1035 Oct 14 j 09:44	9°♄41'14	46°33'31	asc. node	1038 Mar 29 j 19:14	6°♂24'10	
	1035 Nov 02 j 12:41	0°♁			1038 Apr 18 j 04:35	0°♂	
	1035 Nov 28 j 13:25	0°♃			1038 May 13 j 04:26	0°♁	
	1035 Dec 23 j 11:55	0°♂			1038 Jun 07 j 17:13	0°♁	
	1036 Jan 17 j 00:06	0°♂			1038 Jul 04 j 03:56	0°♄	
desc. node	1036 Feb 01 j 13:18	19°♂08'41		desc. node	1038 Jul 19 j 08:17	16°♄25'44	
	1036 Feb 10 j 08:39	0°♁			1038 Aug 01 j 14:03	0°♁	
	1036 Mar 05 j 16:31	0°♃		evening max el	1038 Aug 06 j 02:01	4°♁23'46	46°05'24
	1036 Mar 30 j 01:03	0°♃			1038 Sep 07 j 11:12	0°♃	
morning set	1036 Apr 18 j 17:49	24°♃13'18		greatest brilliancy	1038 Sep 13 j 22:17	2°♃55'07	-4.6m
	1036 Apr 23 j 10:41	0°♂		retrograde	1038 Sep 24 j 08:29	4°♃53'34	
	1036 May 17 j 21:01	0°♂		evening set	1038 Oct 10 j 10:13	29°♁58'51	
asc. node	1036 May 24 j 16:51	8°♂22'53			1038 Oct 10 j 09:23	30°♁	
max. Earth dist.	1036 May 25 j 06:08	9°♂03'40	1.73625 AU	inferior conj	1038 Oct 15 j 02:11	27°♁12'44	-5°-57'-1
				minimum elong	1038 Oct 15 j 12:43	26°♁56'40	5°54'33
superior conj	1036 May 25 j 14:51	9°♂30'27	0°02'12	min. Earth dist.	1038 Oct 15 j 21:23	26°♁43'27	0.26954 AU
minimum elong	1036 May 25 j 14:23	9°♂29'03	0°02'11	morning rise	1038 Oct 20 j 14:40	23°♁57'04	
behind sun begin	1036 May 24 j 16:01	8°♂20'22		direct	1038 Nov 04 j 19:01	19°♁25'42	
behind sun end	1036 May 26 j 12:45	10°♂37'44		asc. node	1038 Nov 09 j 11:40	19°♁51'42	
	1036 Jun 11 j 07:12	0°♁		greatest brilliancy	1038 Nov 18 j 04:14	22°♁44'02	-4.7m
evening rise	1036 Jun 30 j 13:55	23°♁42'30			1038 Nov 30 j 01:36	0°♃	
	1036 Jul 05 j 16:38	0°♁		morning max el	1038 Dec 25 j 12:28	22°♃52'59	46°56'47
	1036 Jul 30 j 01:39	0°♄			1039 Jan 01 j 08:48	0°♂	
	1036 Aug 23 j 11:23	0°♁			1039 Jan 28 j 09:26	0°♂	
desc. node	1036 Sep 13 j 06:11	25°♁28'03		desc. node	1039 Feb 23 j 01:40	0°♁	
	1036 Sep 16 j 23:12	0°♃			1039 Mar 01 j 01:16	7°♁06'02	
	1036 Oct 11 j 14:36	0°♂			1039 Mar 20 j 05:17	0°♃	
	1036 Nov 05 j 12:35	0°♂			1039 Apr 14 j 03:12	0°♃	
	1036 Dec 01 j 01:23	0°♁			1039 May 08 j 22:05	0°♂	
	1036 Dec 28 j 05:37	0°♃			1039 Jun 02 j 14:22	0°♂	
evening max el	1036 Dec 31 j 17:59	3°♃37'17	47°03'06	asc. node	1039 Jun 22 j 04:37	23°♂56'03	
asc. node	1037 Jan 04 j 09:26	7°♃17'02		morning set	1039 Jun 26 j 11:48	29°♂12'12	
	1037 Jan 31 j 11:02	0°♃			1039 Jun 27 j 03:23	0°♁	

	1039 Jul 21 j 12:26	0°♁		evening set	1041 Dec 22 j 23:53	16°♁38'13	
max. Earth dist.	1039 Jul 29 j 06:05	9°♁33'49	1.72947 AU	min. Earth dist.	1041 Dec 27 j 21:19	13°♁44'57	0.26680 AU
superior conj	1039 Aug 01 j 20:26	14°♁01'04	1°17'02	inferior conj	1041 Dec 28 j 16:45	13°♁15'05	5°15'25
minimum elong	1039 Aug 01 j 13:40	13°♁40'05	1°16'55	minimum elong	1041 Dec 28 j 06:55	13°♁30'13	5°12'52
	1039 Aug 14 j 17:45	0°♁		morning rise	1042 Jan 02 j 14:21	10°♁19'36	
evening rise	1039 Sep 07 j 13:47	29°♁38'56		direct	1042 Jan 18 j 01:14	5°♁35'16	
	1039 Sep 07 j 20:33	0°♁		greatest brilliancy	1042 Jan 29 j 00:13	7°♁50'05	-4.6m
	1039 Oct 01 j 22:24	0°♁			1042 Mar 01 j 03:28	0°♁	
desc. node	1039 Oct 11 j 18:09	12°♁14'07		morning max el	1042 Mar 08 j 21:53	7°♁25'32	46°27'31
	1039 Oct 26 j 00:33	0°♁		desc. node	1042 Mar 28 j 13:09	27°♁46'19	
	1039 Nov 19 j 04:01	0°♁			1042 Mar 30 j 14:38	0°♁	
	1039 Dec 13 j 10:43	0°♁			1042 Apr 26 j 11:09	0°♁	
	1040 Jan 07 j 01:07	0°♁			1042 May 22 j 08:23	0°♁	
	1040 Feb 01 j 08:19	0°♁			1042 Jun 16 j 16:56	0°♁	
asc. node	1040 Feb 01 j 21:17	0°♁37'34		asc. node	1042 Jul 11 j 15:47	0°♁	
	1040 Feb 28 j 04:22	0°♁			1042 Jul 19 j 16:31	9°♁45'12	
evening max el	1040 Mar 12 j 21:03	14°♁02'49	45°53'08		1042 Aug 05 j 05:52	0°♁	
	1040 Mar 30 j 14:15	0°♁			1042 Aug 29 j 12:22	0°♁	
greatest brilliancy	1040 Apr 16 j 07:33	11°♁00'04	-4.5m	morning set	1042 Sep 03 j 02:29	5°♁42'19	
retrograde	1040 May 01 j 00:09	14°♁48'23			1042 Sep 22 j 13:27	0°♁	
evening set	1040 May 16 j 03:49	10°♁22'26		max. Earth dist.	1042 Oct 09 j 01:55	20°♁42'18	1.71473 AU
inferior conj	1040 May 22 j 11:56	6°♁34'04	0°13'20	superior conj	1042 Oct 11 j 02:55	23°♁16'05	1°00'23
minimum elong	1040 May 22 j 12:25	6°♁33'18	0°13'12	minimum elong	1042 Oct 11 j 13:26	23°♁49'04	1°00'01
transit begin	1040 May 22 j 10:04	6°♁37'00			1042 Oct 16 j 11:35	0°♁	
transit end	1040 May 22 j 14:46	6°♁29'35		desc. node	1042 Nov 08 j 05:57	28°♁35'56	
min. Earth dist.	1040 May 22 j 14:00	6°♁30'49	0.28948 AU		1042 Nov 09 j 08:43	0°♁	
desc. node	1040 May 23 j 10:35	5°♁58'30		evening rise	1042 Nov 20 j 18:16	14°♁19'13	
morning rise	1040 May 28 j 20:57	2°♁43'36			1042 Dec 03 j 06:02	0°♁	
	1040 Jun 03 j 17:31	30°♁			1042 Dec 27 j 04:40	0°♁	
direct	1040 Jun 13 j 02:14	28°♁16'17			1043 Jan 20 j 06:32	0°♁	
	1040 Jun 22 j 22:00	0°♁			1043 Feb 13 j 14:44	0°♁	
greatest brilliancy	1040 Jun 26 j 16:21	1°♁28'23	-4.5m	asc. node	1043 Mar 01 j 09:20	19°♁10'07	
morning max el	1040 Jul 31 j 22:33	28°♁05'25	45°52'00		1043 Mar 10 j 09:50	0°♁	
	1040 Aug 02 j 21:58	0°♁			1043 Apr 04 j 22:45	0°♁	
	1040 Aug 31 j 10:27	0°♁			1043 May 01 j 19:46	0°♁	
asc. node	1040 Sep 13 j 14:17	14°♁55'51		evening max el	1043 May 23 j 12:14	22°♁08'29	45°21'00
	1040 Sep 26 j 11:47	0°♁			1043 Jun 01 j 01:01	0°♁	
	1040 Oct 21 j 09:32	0°♁		desc. node	1043 Jun 20 j 22:35	15°♁03'44	
	1040 Nov 14 j 17:07	0°♁		greatest brilliancy	1043 Jun 28 j 03:39	18°♁45'49	-4.5m
	1040 Dec 08 j 18:17	0°♁		retrograde	1043 Jul 11 j 01:05	21°♁39'37	
	1041 Jan 01 j 17:27	0°♁		evening set	1043 Jul 27 j 23:48	16°♁15'17	
desc. node	1041 Jan 03 j 03:32	1°♁46'44		inferior conj	1043 Aug 01 j 09:06	13°♁35'36	-7°-50'-30
	1041 Jan 25 j 16:49	0°♁		minimum elong	1043 Aug 01 j 01:10	13°♁47'53	7°49'31
morning set	1041 Feb 02 j 21:05	10°♁13'11		min. Earth dist.	1043 Aug 01 j 15:10	13°♁26'11	0.28685 AU
	1041 Feb 18 j 17:39	0°♁		morning rise	1043 Aug 05 j 02:22	11°♁19'11	
				direct	1043 Aug 22 j 22:23	5°♁22'30	
superior conj	1041 Mar 14 j 17:52	29°♁50'38	-1°-19'-17	greatest brilliancy	1043 Sep 06 j 09:00	9°♁04'37	-4.6m
minimum elong	1041 Mar 15 j 01:15	0°♁13'32	1°19'10		1043 Oct 04 j 09:46	0°♁	
	1041 Mar 14 j 20:53	0°♁		morning max el	1043 Oct 12 j 00:35	7°♁23'58	46°31'59
max. Earth dist.	1041 Mar 18 j 07:16	4°♁15'15	1.72620 AU	asc. node	1043 Oct 12 j 01:56	7°♁27'20	
	1041 Apr 08 j 03:11	0°♁			1043 Nov 02 j 05:25	0°♁	
evening rise	1041 Apr 22 j 01:26	17°♁08'42			1043 Nov 28 j 03:26	0°♁	
asc. node	1041 Apr 26 j 07:03	22°♁20'48			1043 Dec 23 j 00:41	0°♁	
	1041 May 02 j 12:43	0°♁			1044 Jan 16 j 12:09	0°♁	
	1041 May 27 j 01:23	0°♁		desc. node	1044 Jan 31 j 15:26	18°♁39'01	
	1041 Jun 20 j 17:29	0°♁			1044 Feb 09 j 20:14	0°♁	
	1041 Jul 15 j 14:25	0°♁			1044 Mar 05 j 03:45	0°♁	
	1041 Aug 09 j 19:07	0°♁			1044 Mar 29 j 12:01	0°♁	
desc. node	1041 Aug 15 j 20:17	7°♁07'15		morning set	1044 Apr 16 j 10:32	22°♁04'07	
	1041 Sep 04 j 12:43	0°♁			1044 Apr 22 j 21:25	0°♁	
	1041 Oct 01 j 07:21	0°♁			1044 May 17 j 07:38	0°♁	
evening max el	1041 Oct 18 j 07:30	17°♁49'35	47°12'38				
	1041 Oct 31 j 00:47	0°♁		superior conj	1044 May 23 j 08:47	7°♁25'35	0°-1'00
greatest brilliancy	1041 Nov 25 j 23:44	18°♁19'51	-4.7m	minimum elong	1044 May 23 j 08:59	7°♁26'12	0°01'01
asc. node	1041 Dec 06 j 23:35	21°♁03'55		behind sun begin	1044 May 22 j 10:30	6°♁17'11	
retrograde	1041 Dec 08 j 01:53	21°♁05'23		behind sun end	1044 May 24 j 07:28	8°♁35'13	

max. Earth dist.	1044 May 23 j 04:49	7°II13'24	1.73616 AU	direct	1046 Nov 02 j 07:58	16°Ω59'54	
asc. node	1044 May 23 j 18:50	7°II56'27		asc. node	1046 Nov 08 j 13:43	17°Ω45'21	
	1044 Jun 10 j 17:48	0°☉		greatest brilliancy	1046 Nov 15 j 20:47	20°Ω21'52	-4.7m
evening rise	1044 Jun 28 j 08:54	21°☉40'22			1046 Nov 30 j 19:51	0°♌	
	1044 Jul 05 j 03:21	0°Ω		morning max el	1046 Dec 23 j 01:45	20°♌26'42	46°57'06
	1044 Jul 29 j 12:37	0°♍			1047 Jan 01 j 04:56	0°♌	
	1044 Aug 22 j 22:41	0°♍			1047 Jan 28 j 00:57	0°♌	
desc. node	1044 Sep 12 j 08:17	24°♍58'43			1047 Feb 22 j 15:11	0°♌	
	1044 Sep 16 j 10:59	0°♌		desc. node	1047 Feb 28 j 03:22	6°♌33'00	
	1044 Oct 11 j 03:05	0°♌			1047 Mar 19 j 17:41	0°♌	
	1044 Nov 05 j 02:11	0°♌			1047 Apr 13 j 14:56	0°♌	
	1044 Nov 30 j 17:02	0°♌			1047 May 08 j 09:21	0°♌	
	1044 Dec 28 j 02:32	0°♌			1047 Jun 02 j 01:22	0°II	
evening max el	1044 Dec 29 j 09:03	1°♌18'04	47°04'45	asc. node	1047 Jun 21 j 06:47	23°II29'24	
asc. node	1045 Jan 03 j 11:31	6°♌24'21		morning set	1047 Jun 24 j 05:53	27°II07'16	
	1045 Feb 02 j 00:36	0°♌			1047 Jun 26 j 14:13	0°☉	
greatest brilliancy	1045 Feb 04 j 04:14	1°♌05'23	-4.6m		1047 Jul 20 j 23:13	0°Ω	
retrograde	1045 Feb 18 j 02:02	4°♌37'35		max. Earth dist.	1047 Jul 27 j 02:44	7°Ω35'54	1.72994 AU
	1045 Mar 05 j 07:08	30°♌					
evening set	1045 Mar 07 j 19:28	28°♌30'48		superior conj	1047 Jul 30 j 14:16	11°Ω54'19	1°15'39
min. Earth dist.	1045 Mar 10 j 20:55	26°♌35'48	0.28313 AU	minimum elong	1047 Jul 30 j 07:05	11°Ω32'06	1°15'30
inferior conj	1045 Mar 11 j 04:55	26°♌23'09	8°12'14		1047 Aug 14 j 04:34	0°♍	
minimum elong	1045 Mar 11 j 11:06	26°♌13'21	8°11'38	evening rise	1047 Sep 05 j 05:21	27°♍23'55	
morning rise	1045 Mar 15 j 03:01	23°♌57'07			1047 Sep 07 j 07:31	0°♍	
direct	1045 Apr 01 j 07:52	18°♌17'07			1047 Oct 01 j 09:37	0°♌	
greatest brilliancy	1045 Apr 12 j 17:05	20°♌38'27	-4.5m	desc. node	1047 Oct 10 j 20:05	11°♌44'56	
desc. node	1045 Apr 25 j 00:43	27°♌20'22			1047 Oct 25 j 12:03	0°♌	
	1045 Apr 28 j 19:29	0°♌			1047 Nov 18 j 15:52	0°♌	
morning max el	1045 May 20 j 06:17	18°♌27'24	45°49'07		1047 Dec 12 j 23:00	0°♌	
	1045 May 31 j 21:31	0°♌			1048 Jan 06 j 14:06	0°♌	
	1045 Jun 28 j 18:56	0°II			1048 Jan 31 j 22:46	0°♌	
	1045 Jul 25 j 00:19	0°☉		asc. node	1048 Jan 31 j 23:26	0°♌01'57	
asc. node	1045 Aug 16 j 04:25	26°☉15'42			1048 Feb 27 j 22:27	0°♌	
	1045 Aug 19 j 07:03	0°Ω		evening max el	1048 Mar 10 j 11:59	11°♌48'17	45°55'22
	1045 Sep 12 j 22:16	0°♍			1048 Mar 31 j 01:04	0°II	
	1045 Oct 07 j 03:02	0°♍		greatest brilliancy	1048 Apr 13 j 22:30	8°II49'06	-4.5m
	1045 Oct 31 j 01:50	0°♌		retrograde	1048 Apr 28 j 17:06	12°II40'00	
morning set	1045 Nov 15 j 01:25	18°♌50'40		evening set	1048 May 13 j 21:15	8°II12'11	
	1045 Nov 23 j 22:06	0°♌		inferior conj	1048 May 20 j 04:25	4°II25'11	0°33'04
desc. node	1045 Dec 05 j 17:45	14°♌52'40		minimum elong	1048 May 20 j 05:38	4°II23'17	0°32'43
	1045 Dec 17 j 18:05	0°♌		min. Earth dist.	1048 May 20 j 06:34	4°II21'49	0.28945 AU
				desc. node	1048 May 22 j 12:41	2°II57'25	
superior conj	1045 Dec 26 j 16:30	11°♌14'05	0°-47'-15	morning rise	1048 May 26 j 14:00	0°II34'14	
minimum elong	1045 Dec 26 j 05:34	10°♌39'45	0°46'48		1048 May 27 j 15:31	30°♌	
max. Earth dist.	1045 Dec 29 j 07:18	14°♌31'24	1.71171 AU	direct	1048 Jun 10 j 18:26	26°♌07'16	
	1046 Jan 10 j 15:03	0°♌		greatest brilliancy	1048 Jun 24 j 08:48	29°♌19'56	-4.5m
	1046 Feb 03 j 14:10	0°♌			1048 Jun 25 j 19:32	0°II	
evening rise	1046 Feb 05 j 21:08	2°♌51'33		morning max el	1048 Jul 29 j 15:10	25°II56'38	45°51'10
	1046 Feb 27 j 16:52	0°♌			1048 Aug 02 j 19:11	0°☉	
	1046 Mar 24 j 00:55	0°♌			1048 Aug 31 j 01:51	0°Ω	
asc. node	1046 Mar 28 j 21:12	5°♌55'52		asc. node	1048 Sep 12 j 16:17	14°Ω20'43	
	1046 Apr 17 j 16:04	0°II			1048 Sep 26 j 01:06	0°♍	
	1046 May 12 j 16:34	0°☉			1048 Oct 20 j 21:53	0°♍	
	1046 Jun 07 j 06:31	0°Ω			1048 Nov 14 j 04:59	0°♌	
	1046 Jul 03 j 19:40	0°♍			1048 Dec 08 j 05:54	0°♌	
desc. node	1046 Jul 18 j 10:27	15°♍43'27			1049 Jan 01 j 04:51	0°♌	
	1046 Aug 01 j 12:13	0°♍		desc. node	1049 Jan 02 j 05:37	1°♌17'35	
evening max el	1046 Aug 03 j 14:04	2°♍00'44	46°02'57		1049 Jan 25 j 04:03	0°♌	
	1046 Sep 10 j 01:58	0°♌		morning set	1049 Jan 31 j 07:58	7°♌42'15	
greatest brilliancy	1046 Sep 11 j 11:16	0°♌31'49	-4.6m		1049 Feb 18 j 04:43	0°♌	
retrograde	1046 Sep 21 j 20:27	2°♌29'42					
	1046 Oct 03 j 02:52	30°♍		superior conj	1049 Mar 12 j 08:06	27°♌31'55	-1°-20'-35
evening set	1046 Oct 08 j 02:08	27°♍29'55		minimum elong	1049 Mar 12 j 14:54	27°♌53'00	1°20'29
inferior conj	1046 Oct 12 j 15:05	24°♍48'18	-6°-13'-53		1049 Mar 14 j 07:51	0°♌	
minimum elong	1046 Oct 13 j 01:40	24°♍32'08	6°11'30	max. Earth dist.	1049 Mar 15 j 22:09	1°♌58'43	1.72565 AU
min. Earth dist.	1046 Oct 13 j 11:19	24°♍17'27	0.27015 AU		1049 Apr 07 j 14:06	0°♌	
morning rise	1046 Oct 18 j 00:37	21°♍36'33		evening rise	1049 Apr 19 j 18:10	14°♌59'03	

asc. node	1049 Apr 25 j 09:05	21°♄53'24		1051 Dec 22 j 13:46	0°♁	
	1049 May 01 j 23:42	0°♁		1052 Jan 16 j 00:30	0°♁	
	1049 May 26 j 12:34	0°♁		desc. node	1052 Jan 30 j 17:30	18°♁08'10
	1049 Jun 20 j 05:02	0°♁			1052 Feb 09 j 08:06	0°♁
	1049 Jul 15 j 02:37	0°♁			1052 Mar 04 j 15:17	0°♁
	1049 Aug 09 j 08:22	0°♁			1052 Mar 28 j 23:17	0°♁
desc. node	1049 Aug 14 j 22:18	6°♁33'25		morning set	1052 Apr 14 j 03:10	19°♁53'31
	1049 Sep 04 j 03:48	0°♁			1052 Apr 22 j 08:30	0°♁
	1049 Oct 01 j 02:12	0°♁			1052 May 16 j 18:35	0°♁
evening max el	1049 Oct 15 j 22:04	15°♁27'00	47°11'14			
	1049 Oct 31 j 08:30	0°♁		superior conj	1052 May 21 j 02:47	5°♁19'53 0°-4'-12
greatest brilliancy	1049 Nov 23 j 13:19	15°♁51'13	-4.7m	minimum elong	1052 May 21 j 03:39	5°♁22'32 0°04'10
retrograde	1049 Dec 05 j 15:20	18°♁35'55		behind sun begin	1052 May 20 j 05:41	4°♁15'08
asc. node	1049 Dec 06 j 01:44	18°♁35'41		behind sun end	1052 May 22 j 01:36	6°♁29'57
evening set	1049 Dec 20 j 10:02	14°♁12'36		max. Earth dist.	1052 May 21 j 01:46	5°♁16'47 1.73603 AU
min. Earth dist.	1049 Dec 25 j 10:13	11°♁15'28	0.26637 AU	asc. node	1052 May 22 j 21:01	7°♁29'33
inferior conj	1049 Dec 26 j 05:14	10°♁46'18	4°55'45		1052 Jun 10 j 04:44	0°♁
minimum elong	1049 Dec 25 j 19:44	11°♁00'53	4°53'12	evening rise	1052 Jun 26 j 03:58	19°♁37'35
morning rise	1049 Dec 31 j 05:56	7°♁46'57			1052 Jul 04 j 14:24	0°♁
direct	1050 Jan 15 j 14:04	3°♁07'15			1052 Jul 28 j 23:54	0°♁
greatest brilliancy	1050 Jan 26 j 12:55	5°♁22'36	-4.6m		1052 Aug 22 j 10:21	0°♁
	1050 Mar 01 j 06:08	0°♁		desc. node	1052 Sep 11 j 10:14	24°♁27'46
morning max el	1050 Mar 06 j 12:07	5°♁04'38	46°29'06		1052 Sep 15 j 23:11	0°♁
desc. node	1050 Mar 27 j 15:03	27°♁03'24			1052 Oct 10 j 16:04	0°♁
	1050 Mar 30 j 08:00	0°♁			1052 Nov 04 j 16:21	0°♁
	1050 Apr 26 j 01:24	0°♁			1052 Nov 30 j 09:25	0°♁
	1050 May 21 j 21:08	0°♁		evening max el	1052 Dec 26 j 23:05	28°♁54'50 47°06'32
	1050 Jun 16 j 04:50	0°♁			1052 Dec 28 j 00:43	0°♁
	1050 Jul 11 j 03:12	0°♁		asc. node	1053 Jan 02 j 13:37	5°♁29'28
asc. node	1050 Jul 18 j 18:35	9°♁16'59		greatest brilliancy	1053 Feb 01 j 22:16	28°♁50'38 -4.6m
	1050 Aug 04 j 17:02	0°♁			1053 Feb 04 j 13:34	0°♁
	1050 Aug 28 j 23:27	0°♁		retrograde	1053 Feb 15 j 17:10	2°♁20'03
morning set	1050 Aug 31 j 18:21	3°♁27'56			1053 Feb 26 j 09:18	30°♁
	1050 Sep 22 j 00:33	0°♁		evening set	1053 Mar 05 j 12:47	26°♁10'51
max. Earth dist.	1050 Oct 06 j 10:43	18°♁04'27	1.71512 AU	min. Earth dist.	1053 Mar 08 j 11:38	24°♁19'50 0.28268 AU
				inferior conj	1053 Mar 08 j 20:12	24°♁06'15 8°19'13
superior conj	1050 Oct 08 j 16:04	20°♁51'47	1°02'54	minimum elong	1053 Mar 09 j 01:45	23°♁57'27 8°18'44
minimum elong	1050 Oct 09 j 02:28	21°♁24'25	1°02'33	morning rise	1053 Mar 12 j 14:58	21°♁45'01
	1050 Oct 15 j 22:45	0°♁		direct	1053 Mar 29 j 22:07	16°♁01'02
desc. node	1050 Nov 07 j 08:01	28°♁07'09		greatest brilliancy	1053 Apr 10 j 06:15	18°♁20'48 -4.5m
	1050 Nov 08 j 19:57	0°♁		desc. node	1053 Apr 24 j 02:53	26°♁05'30
evening rise	1050 Nov 18 j 04:29	11°♁45'05			1053 Apr 29 j 09:48	0°♁
	1050 Dec 02 j 17:23	0°♁		morning max el	1053 May 17 j 20:15	16°♁10'44 45°49'57
	1050 Dec 26 j 16:10	0°♁			1053 May 31 j 16:29	0°♁
	1051 Jan 19 j 18:14	0°♁			1053 Jun 28 j 09:38	0°♁
	1051 Feb 13 j 02:48	0°♁			1053 Jul 24 j 13:14	0°♁
asc. node	1051 Feb 28 j 11:17	18°♁38'39		asc. node	1053 Aug 15 j 06:25	25°♁45'19
	1051 Mar 09 j 22:32	0°♁			1053 Aug 18 j 19:05	0°♁
	1051 Apr 04 j 12:43	0°♁			1053 Sep 12 j 09:51	0°♁
	1051 May 01 j 12:48	0°♁			1053 Oct 06 j 14:24	0°♁
evening max el	1051 May 21 j 04:01	19°♁57'15	45°20'49		1053 Oct 30 j 13:06	0°♁
	1051 Jun 01 j 05:02	0°♁		morning set	1053 Nov 12 j 12:33	16°♁19'11
desc. node	1051 Jun 20 j 00:41	13°♁42'14			1053 Nov 23 j 09:22	0°♁
greatest brilliancy	1051 Jun 25 j 17:26	16°♁32'27	-4.5m	desc. node	1053 Dec 04 j 19:53	14°♁23'57
retrograde	1051 Jul 08 j 15:57	19°♁27'24			1053 Dec 17 j 05:21	0°♁
evening set	1051 Jul 25 j 11:58	14°♁07'54				
inferior conj	1051 Jul 30 j 00:39	11°♁23'00	-7°-41'-12	superior conj	1053 Dec 24 j 01:54	8°♁37'28 0°-43'-49
minimum elong	1051 Jul 29 j 16:16	11°♁36'01	7°40'04	minimum elong	1053 Dec 23 j 15:28	8°♁04'40 0°43'23
min. Earth dist.	1051 Jul 30 j 06:05	11°♁14'33	0.28717 AU	max. Earth dist.	1053 Dec 26 j 08:30	11°♁29'02 1.71146 AU
morning rise	1051 Aug 02 j 20:23	9°♁02'35			1054 Jan 10 j 02:18	0°♁
direct	1051 Aug 20 j 14:22	3°♁09'35			1054 Feb 03 j 01:23	0°♁
greatest brilliancy	1051 Sep 03 j 23:28	6°♁49'12	-4.6m	evening rise	1054 Feb 03 j 07:59	0°♁20'39
	1051 Oct 04 j 10:51	0°♁			1054 Feb 27 j 04:06	0°♁
morning max el	1051 Oct 09 j 14:39	5°♁03'21	46°30'22		1054 Mar 23 j 12:18	0°♁
asc. node	1051 Oct 11 j 04:00	6°♁37'17		asc. node	1054 Mar 27 j 23:16	5°♁27'17
	1051 Nov 01 j 22:21	0°♁			1054 Apr 17 j 03:48	0°♁
	1051 Nov 27 j 17:46	0°♁			1054 May 12 j 04:58	0°♁

	1054 Jun 06 j 20:09	0°♈			1056 Nov 13 j 16:42	0°♌		
	1054 Jul 03 j 11:51	0°♉			1056 Dec 07 j 17:19	0°♊		
desc. node	1054 Jul 17 j 12:29	14°♉59'49			1056 Dec 31 j 16:04	0°♋		
evening max el	1054 Aug 01 j 02:34	29°♉38'38	46°00'40	desc. node	1057 Jan 01 j 07:38	0°♌48'47		
	1054 Aug 01 j 11:28	0°♊			1057 Jan 24 j 15:06	0°♍		
greatest brilliancy	1054 Sep 08 j 23:02	28°♊07'22	-4.6m	morning set	1057 Jan 28 j 18:46	5°♍11'30		
	1054 Sep 17 j 02:02	0°♋			1057 Feb 17 j 15:40	0°♎		
retrograde	1054 Sep 19 j 08:56	0°♌06'05						
	1054 Sep 21 j 15:16	30°♌		superior conj	1057 Mar 09 j 21:56	25°♎12'08	-1°-21'-44	
evening set	1054 Oct 05 j 18:07	25°♌00'56		minimum elong	1057 Mar 10 j 04:03	25°♎31'10	1°21'40	
inferior conj	1054 Oct 10 j 04:00	22°♌23'50	-6°-29'-54	max. Earth dist.	1057 Mar 13 j 13:40	29°♎44'20	1.72514 AU	
minimum elong	1054 Oct 10 j 14:36	22°♌07'42	6°27'37		1057 Mar 13 j 18:43	0°♏		
min. Earth dist.	1054 Oct 11 j 00:55	21°♌52'00	0.27082 AU		1057 Apr 07 j 00:56	0°♐		
morning rise	1054 Oct 15 j 10:31	19°♌16'26		evening rise	1057 Apr 17 j 10:26	12°♏48'15		
direct	1054 Oct 30 j 21:27	14°♌34'06		asc. node	1057 Apr 24 j 11:13	21°♏26'44		
asc. node	1054 Nov 07 j 15:53	15°♌43'56			1057 May 01 j 10:34	0°♑		
greatest brilliancy	1054 Nov 13 j 13:21	17°♌59'46	-4.7m		1057 May 25 j 23:35	0°♒		
	1054 Dec 01 j 09:38	0°♌			1057 Jun 19 j 16:26	0°♓		
morning max el	1054 Dec 20 j 16:03	18°♌02'30	46°57'07		1057 Jul 14 j 14:42	0°♈		
	1055 Jan 01 j 00:41	0°♍			1057 Aug 08 j 21:32	0°♉		
	1055 Jan 27 j 16:29	0°♎		desc. node	1057 Aug 14 j 00:17	5°♉59'48		
	1055 Feb 22 j 04:49	0°♏			1057 Sep 03 j 18:52	0°♊		
desc. node	1055 Feb 27 j 05:19	5°♏58'59			1057 Sep 30 j 21:18	0°♋		
	1055 Mar 19 j 06:13	0°♌		evening max el	1057 Oct 13 j 13:09	13°♋06'36	47°09'45	
	1055 Apr 13 j 02:44	0°♍			1057 Oct 31 j 18:27	0°♌		
	1055 May 07 j 20:42	0°♎		greatest brilliancy	1057 Nov 21 j 03:50	13°♌24'58	-4.7m	
	1055 Jun 01 j 12:24	0°♏		retrograde	1057 Dec 03 j 04:47	16°♌07'33		
asc. node	1055 Jun 20 j 08:48	23°♏02'09		asc. node	1057 Dec 05 j 03:43	16°♌02'48		
morning set	1055 Jun 21 j 23:57	25°♏02'05		evening set	1057 Dec 17 j 20:33	11°♌48'12		
	1055 Jun 26 j 01:07	0°♐		min. Earth dist.	1057 Dec 22 j 23:29	8°♌47'05	0.26592 AU	
	1055 Jul 20 j 10:03	0°♑		inferior conj	1057 Dec 23 j 17:49	8°♌18'56	4°35'30	
max. Earth dist.	1055 Jul 24 j 23:52	5°♑39'14	1.73037 AU	minimum elong	1057 Dec 23 j 08:44	8°♌32'53	4°32'59	
				morning rise	1057 Dec 28 j 21:28	5°♌15'41		
superior conj	1055 Jul 28 j 08:12	9°♑47'42	1°14'10	direct	1058 Jan 13 j 02:56	0°♌40'49		
minimum elong	1055 Jul 28 j 00:39	9°♑24'21	1°13'59	greatest brilliancy	1058 Jan 24 j 01:22	2°♌56'00	-4.6m	
	1055 Aug 13 j 15:27	0°♒			1058 Mar 01 j 06:59	0°♍		
evening rise	1055 Sep 02 j 21:16	25°♒09'55		morning max el	1058 Mar 04 j 01:43	2°♍43'06	46°30'28	
	1055 Sep 06 j 18:31	0°♓		desc. node	1058 Mar 26 j 17:14	26°♍22'36		
	1055 Sep 30 j 20:50	0°♈			1058 Mar 30 j 00:42	0°♉		
desc. node	1055 Oct 09 j 22:14	11°♈16'27			1058 Apr 25 j 15:16	0°♊		
	1055 Oct 24 j 23:33	0°♍			1058 May 21 j 09:35	0°♋		
	1055 Nov 18 j 03:43	0°♎			1058 Jun 15 j 16:27	0°♌		
	1055 Dec 12 j 11:20	0°♏			1058 Jul 10 j 14:19	0°♍		
	1056 Jan 06 j 03:14	0°♌		asc. node	1058 Jul 17 j 20:35	8°♍49'28		
asc. node	1056 Jan 31 j 01:22	29°♌25'06			1058 Aug 04 j 03:53	0°♎		
	1056 Jan 31 j 13:28	0°♍			1058 Aug 28 j 10:13	0°♏		
	1056 Feb 27 j 17:08	0°♎		morning set	1058 Aug 29 j 10:15	1°♏14'40		
evening max el	1056 Mar 08 j 03:47	9°♏35'37	45°57'47		1058 Sep 21 j 11:21	0°♐		
	1056 Mar 31 j 15:47	0°♏		max. Earth dist.	1058 Oct 03 j 17:47	15°♐22'15	1.71556 AU	
greatest brilliancy	1056 Apr 11 j 14:11	6°♏38'53	-4.5m					
retrograde	1056 Apr 26 j 10:20	10°♏31'14		superior conj	1058 Oct 06 j 05:31	18°♐29'29	1°05'18	
evening set	1056 May 11 j 14:49	6°♏01'38		minimum elong	1058 Oct 06 j 15:44	19°♐01'30	1°04'58	
inferior conj	1056 May 17 j 20:51	2°♏16'01	0°52'49		1058 Oct 15 j 09:37	0°♑		
minimum elong	1056 May 17 j 22:47	2°♏12'59	0°52'15	desc. node	1058 Nov 06 j 10:09	27°♑39'28		
min. Earth dist.	1056 May 17 j 22:48	2°♏12'57	0.28938 AU		1058 Nov 08 j 06:55	0°♒		
	1056 May 21 j 12:51	30°♑		evening rise	1058 Nov 15 j 14:58	9°♒12'43		
desc. node	1056 May 21 j 14:46	29°♑57'06			1058 Dec 02 j 04:26	0°♓		
morning rise	1056 May 24 j 06:50	28°♑24'50			1058 Dec 26 j 03:19	0°♈		
direct	1056 Jun 08 j 10:58	23°♑58'12			1059 Jan 19 j 05:35	0°♉		
greatest brilliancy	1056 Jun 22 j 00:04	27°♑10'10	-4.5m		1059 Feb 12 j 14:28	0°♊		
	1056 Jun 27 j 13:18	0°♒		asc. node	1059 Feb 27 j 13:23	18°♊08'45		
morning max el	1056 Jul 27 j 08:08	23°♒49'01	45°50'17		1059 Mar 09 j 10:51	0°♋		
	1056 Aug 02 j 15:35	0°♓			1059 Apr 04 j 02:26	0°♌		
	1056 Aug 30 j 16:56	0°♈			1059 May 01 j 05:48	0°♍		
asc. node	1056 Sep 11 j 18:17	13°♈46'04		evening max el	1059 May 18 j 19:14	17°♍45'35	45°20'42	
	1056 Sep 25 j 14:13	0°♉			1059 Jun 01 j 10:30	0°♎		
	1056 Oct 20 j 10:04	0°♊		desc. node	1059 Jun 19 j 02:42	12°♎19'01		

greatest brilliancy	1059 Jun 23 j 07:17	14°♁20'17	-4.5m	desc. node	1061 Dec 03 j 21:49	13°♁55'46	
retrograde	1059 Jul 06 j 06:43	17°♁16'48			1061 Dec 16 j 16:15	0°♁	
evening set	1059 Jul 23 j 00:16	12°♁01'57					
inferior conj	1059 Jul 27 j 16:22	9°♁12'04	-7°-31'-10	superior conj	1061 Dec 21 j 11:18	6°♁01'51	0°-40'-17
minimum elong	1059 Jul 27 j 07:36	9°♁25'42	7°29'54	minimum elong	1061 Dec 21 j 01:27	5°♁30'53	0°39'53
min. Earth dist.	1059 Jul 27 j 21:31	9°♁04'04	0.28746 AU	max. Earth dist.	1061 Dec 23 j 11:32	8°♁33'30	1.71128 AU
morning rise	1059 Jul 31 j 14:41	6°♁47'32			1062 Jan 09 j 13:12	0°♁	
direct	1059 Aug 18 j 06:00	0°♁58'13		evening rise	1062 Jan 31 j 18:53	27°♁50'44	
greatest brilliancy	1059 Sep 01 j 14:38	4°♁36'08	-4.6m		1062 Feb 02 j 12:17	0°♁	
	1059 Oct 04 j 10:16	0°♁			1062 Feb 26 j 15:03	0°♁	
morning max el	1059 Oct 07 j 04:21	2°♁43'16	46°28'46		1062 Mar 22 j 23:22	0°♁	
asc. node	1059 Oct 10 j 06:11	5°♁49'40		asc. node	1062 Mar 27 j 01:25	4°♁59'55	
	1059 Nov 01 j 14:32	0°♁			1062 Apr 16 j 15:13	0°♁	
	1059 Nov 27 j 07:33	0°♁			1062 May 11 j 17:01	0°♁	
	1059 Dec 22 j 02:23	0°♁			1062 Jun 06 j 09:30	0°♁	
	1060 Jan 15 j 12:26	0°♁			1062 Jul 03 j 03:56	0°♁	
desc. node	1060 Jan 29 j 19:29	17°♁38'23		desc. node	1062 Jul 16 j 14:28	14°♁16'21	
	1060 Feb 08 j 19:33	0°♁		evening max el	1062 Jul 29 j 16:07	27°♁20'12	45°58'18
	1060 Mar 04 j 02:22	0°♁			1062 Aug 01 j 11:25	0°♁	
	1060 Mar 28 j 10:05	0°♁		greatest brilliancy	1062 Sep 06 j 09:55	25°♁43'02	-4.6m
morning set	1060 Apr 11 j 19:53	17°♁44'32		retrograde	1062 Sep 16 j 21:54	27°♁43'23	
	1060 Apr 21 j 19:07	0°♁		evening set	1062 Oct 03 j 10:08	22°♁32'54	
	1060 May 16 j 05:06	0°♁		inferior conj	1062 Oct 07 j 16:57	20°♁00'11	-6°-45'-2
				minimum elong	1062 Oct 08 j 03:29	19°♁44'10	6°42'53
superior conj	1060 May 18 j 20:51	3°♁15'41	0°-7'-21	min. Earth dist.	1062 Oct 08 j 14:09	19°♁27'59	0.27150 AU
minimum elong	1060 May 18 j 22:22	3°♁20'22	0°07'17	morning rise	1062 Oct 12 j 20:18	16°♁57'26	
behind sun begin	1060 May 18 j 02:03	2°♁17'59		direct	1062 Oct 28 j 11:28	12°♁09'20	
behind sun end	1060 May 19 j 18:41	4°♁22'44		asc. node	1062 Nov 06 j 17:50	13°♁47'54	
max. Earth dist.	1060 May 18 j 21:42	3°♁18'18	1.73594 AU	greatest brilliancy	1062 Nov 11 j 05:12	15°♁37'46	-4.7m
asc. node	1060 May 21 j 23:02	7°♁03'25			1062 Dec 01 j 19:36	0°♁	
	1060 Jun 09 j 15:16	0°♁		morning max el	1062 Dec 18 j 07:06	15°♁41'06	46°57'03
evening rise	1060 Jun 23 j 23:02	17°♁36'03			1062 Dec 31 j 19:37	0°♁	
	1060 Jul 04 j 01:04	0°♁			1063 Jan 27 j 07:32	0°♁	
	1060 Jul 28 j 10:49	0°♁			1063 Feb 21 j 18:05	0°♁	
	1060 Aug 21 j 21:39	0°♁		desc. node	1063 Feb 26 j 07:28	5°♁26'27	
desc. node	1060 Sep 10 j 12:22	23°♁58'32			1063 Mar 18 j 18:27	0°♁	
	1060 Sep 15 j 11:02	0°♁			1063 Apr 12 j 14:18	0°♁	
	1060 Oct 10 j 04:42	0°♁			1063 May 07 j 07:48	0°♁	
	1060 Nov 04 j 06:15	0°♁			1063 May 31 j 23:13	0°♁	
	1060 Nov 30 j 01:40	0°♁		asc. node	1063 Jun 19 j 10:48	22°♁35'41	
evening max el	1060 Dec 24 j 12:49	26°♁31'53	47°08'16	morning set	1063 Jun 19 j 18:21	22°♁58'47	
	1060 Dec 27 j 23:20	0°♁			1063 Jun 25 j 11:45	0°♁	
asc. node	1061 Jan 01 j 15:37	4°♁34'17			1063 Jul 19 j 20:39	0°♁	
greatest brilliancy	1061 Jan 30 j 15:34	26°♁35'53	-4.6m	max. Earth dist.	1063 Jul 22 j 21:15	3°♁44'14	1.73080 AU
	1061 Feb 11 j 13:26	0°♁					
retrograde	1061 Feb 13 j 08:23	0°♁03'52		superior conj	1063 Jul 26 j 02:24	7°♁42'40	1°12'35
	1061 Feb 15 j 03:00	30°♁		minimum elong	1063 Jul 25 j 18:32	7°♁18'23	1°12'23
evening set	1061 Mar 03 j 05:50	23°♁52'27			1063 Aug 13 j 02:07	0°♁	
min. Earth dist.	1061 Mar 06 j 02:25	22°♁05'05	0.28220 AU	evening rise	1063 Aug 31 j 13:26	22°♁57'13	
inferior conj	1061 Mar 06 j 11:32	21°♁50'40	8°25'19		1063 Sep 06 j 05:22	0°♁	
minimum elong	1061 Mar 06 j 16:24	21°♁42'57	8°24'58		1063 Sep 30 j 07:56	0°♁	
morning rise	1061 Mar 10 j 03:10	19°♁34'09		desc. node	1063 Oct 09 j 00:19	10°♁48'05	
direct	1061 Mar 27 j 12:07	13°♁46'07			1063 Oct 24 j 10:58	0°♁	
greatest brilliancy	1061 Apr 07 j 20:01	16°♁05'17	-4.5m		1063 Nov 17 j 15:28	0°♁	
desc. node	1061 Apr 23 j 04:57	24°♁54'05			1063 Dec 11 j 23:35	0°♁	
	1061 Apr 29 j 19:47	0°♁			1064 Jan 05 j 16:20	0°♁	
morning max el	1061 May 15 j 10:46	13°♁56'48	45°50'52	asc. node	1064 Jan 30 j 03:28	28°♁48'49	
	1061 May 31 j 10:24	0°♁			1064 Jan 31 j 04:15	0°♁	
	1061 Jun 27 j 23:43	0°♁			1064 Feb 27 j 12:13	0°♁	
	1061 Jul 24 j 01:40	0°♁		evening max el	1064 Mar 05 j 20:21	7°♁24'57	46°00'08
asc. node	1061 Aug 14 j 08:29	25°♁16'18			1064 Apr 01 j 11:32	0°♁	
	1061 Aug 18 j 06:43	0°♁		greatest brilliancy	1064 Apr 09 j 07:06	4°♁30'26	-4.5m
	1061 Sep 11 j 21:04	0°♁		retrograde	1064 Apr 24 j 03:23	8°♁22'25	
	1061 Oct 06 j 01:24	0°♁		evening set	1064 May 09 j 08:34	3°♁51'12	
	1061 Oct 30 j 00:01	0°♁		inferior conj	1064 May 15 j 13:16	0°♁07'01	1°12'30
morning set	1061 Nov 09 j 23:55	13°♁49'34		minimum elong	1064 May 15 j 15:54	0°♁02'53	1°11'44
	1061 Nov 22 j 20:16	0°♁			1064 May 15 j 17:44	30°♁	

min. Earth dist.	1064 May 15 j 15:01	0°II04'16	0.28926 AU	desc. node	1066 Nov 05 j 12:07	27°ML10'43	
desc. node	1064 May 20 j 16:46	26°858'46			1066 Nov 07 j 18:03	0°8	
morning rise	1064 May 21 j 23:26	26°815'41		evening rise	1066 Nov 13 j 01:43	6°8740'42	
direct	1064 Jun 06 j 03:41	21°849'31			1066 Dec 01 j 15:43	0°8	
greatest brilliancy	1064 Jun 19 j 14:06	24°859'11	-4.5m		1066 Dec 25 j 14:47	0°8	
	1064 Jun 28 j 17:51	0°II			1067 Jan 18 j 17:16	0°8	
morning max el	1064 Jul 25 j 00:40	21°II40'52	45°49'29		1067 Feb 12 j 02:31	0°Y	
	1064 Aug 02 j 11:11	0°8		asc. node	1067 Feb 26 j 15:30	17°Y37'48	
	1064 Aug 30 j 07:40	0°8			1067 Mar 08 j 23:36	0°8	
asc. node	1064 Sep 10 j 20:29	13°812'32			1067 Apr 03 j 16:39	0°II	
	1064 Sep 25 j 03:09	0°8			1067 Apr 30 j 23:36	0°8	
	1064 Oct 19 j 22:11	0°8		evening max el	1067 May 16 j 09:40	15°830'54	45°20'43
	1064 Nov 13 j 04:24	0°8			1067 Jun 01 j 18:51	0°8	
	1064 Dec 07 j 04:46	0°8		desc. node	1067 Jun 18 j 04:46	10°851'52	
	1064 Dec 31 j 03:20	0°8		greatest brilliancy	1067 Jun 20 j 20:10	12°805'45	-4.5m
desc. node	1064 Dec 31 j 09:43	0°819'59		retrograde	1067 Jul 03 j 21:34	15°805'13	
	1065 Jan 24 j 02:13	0°8		evening set	1067 Jul 20 j 12:27	9°854'38	
morning set	1065 Jan 26 j 05:12	2°839'25		inferior conj	1067 Jul 25 j 08:00	6°859'58	-7°-20'-26
	1065 Feb 17 j 02:39	0°8		minimum elong	1067 Jul 24 j 22:52	7°814'10	7°19'02
				min. Earth dist.	1067 Jul 25 j 12:58	6°852'15	0.28772 AU
superior conj	1065 Mar 07 j 11:24	22°851'01	-1°-22'-46	morning rise	1067 Jul 29 j 08:59	4°831'24	
minimum elong	1065 Mar 07 j 16:49	23°807'51	1°22'44		1067 Aug 07 j 23:20	30°8	
max. Earth dist.	1065 Mar 11 j 06:48	27°834'44	1.72461 AU	direct	1067 Aug 15 j 21:22	28°845'31	
	1065 Mar 13 j 05:37	0°Y			1067 Aug 24 j 02:22	0°8	
	1065 Apr 06 j 11:49	0°8		greatest brilliancy	1067 Aug 30 j 06:45	2°823'24	-4.5m
evening rise	1065 Apr 15 j 02:27	10°836'22			1067 Oct 04 j 09:01	0°8	
asc. node	1065 Apr 23 j 13:12	20°859'21		morning max el	1067 Oct 04 j 18:19	0°823'10	46°27'28
	1065 Apr 30 j 21:31	0°II		asc. node	1067 Oct 09 j 08:07	5°801'19	
	1065 May 25 j 10:44	0°8			1067 Nov 01 j 06:41	0°8	
	1065 Jun 19 j 03:57	0°8			1067 Nov 26 j 21:26	0°8	
	1065 Jul 14 j 02:51	0°8			1067 Dec 21 j 15:11	0°8	
	1065 Aug 08 j 10:49	0°8			1068 Jan 15 j 00:37	0°8	
desc. node	1065 Aug 13 j 02:28	5°826'35		desc. node	1068 Jan 28 j 21:38	17°808'09	
	1065 Sep 03 j 10:10	0°8			1068 Feb 08 j 07:20	0°8	
	1065 Sep 30 j 17:03	0°8			1068 Mar 03 j 13:50	0°8	
evening max el	1065 Oct 11 j 03:35	10°844'12	47°07'52		1068 Mar 27 j 21:18	0°Y	
	1065 Nov 01 j 08:08	0°8		morning set	1068 Apr 09 j 12:02	15°Y32'22	
greatest brilliancy	1065 Nov 18 j 18:58	10°858'19	-4.7m		1068 Apr 21 j 06:08	0°8	
retrograde	1065 Nov 30 j 17:23	13°837'33			1068 May 15 j 16:01	0°II	
asc. node	1065 Dec 04 j 05:46	13°822'14					
evening set	1065 Dec 15 j 07:03	9°822'01		superior conj	1068 May 16 j 14:31	1°II09'03	0°-10'-31
min. Earth dist.	1065 Dec 20 j 13:01	6°816'33	0.26553 AU	minimum elong	1068 May 16 j 16:42	1°II15'45	0°10'26
inferior conj	1065 Dec 21 j 06:11	5°850'10	4°14'27	behind sun begin	1068 May 15 j 23:25	0°II22'43	
minimum elong	1065 Dec 20 j 21:35	6°803'24	4°12'00	behind sun end	1068 May 17 j 09:58	2°II08'46	
morning rise	1065 Dec 26 j 12:39	2°842'52		max. Earth dist.	1068 May 16 j 17:15	1°II17'27	1.73582 AU
	1066 Jan 01 j 06:56	30°8		asc. node	1068 May 21 j 01:01	6°II36'01	
direct	1066 Jan 10 j 15:14	28°812'49			1068 Jun 09 j 02:13	0°8	
	1066 Jan 20 j 07:54	0°8		evening rise	1068 Jun 21 j 17:56	15°832'51	
greatest brilliancy	1066 Jan 21 j 14:40	0°828'46	-4.6m		1068 Jul 03 j 12:10	0°8	
	1066 Mar 01 j 07:01	0°8			1068 Jul 27 j 22:10	0°8	
morning max el	1066 Mar 01 j 14:07	0°817'31	46°31'55		1068 Aug 21 j 09:22	0°8	
desc. node	1066 Mar 25 j 19:20	25°841'21		desc. node	1068 Sep 09 j 14:27	23°827'53	
	1066 Mar 29 j 17:20	0°8			1068 Sep 14 j 23:17	0°8	
	1066 Apr 25 j 05:12	0°Y			1068 Oct 09 j 17:45	0°8	
	1066 May 20 j 22:09	0°8			1068 Nov 03 j 20:33	0°8	
	1066 Jun 15 j 04:14	0°II			1068 Nov 29 j 18:28	0°8	
	1066 Jul 10 j 01:38	0°8		evening max el	1068 Dec 22 j 02:43	24°808'33	47°09'53
asc. node	1066 Jul 16 j 22:42	8°821'44			1068 Dec 27 j 23:17	0°8	
	1066 Aug 03 j 14:56	0°8		asc. node	1068 Dec 31 j 17:43	3°837'19	
morning set	1066 Aug 27 j 02:29	29°801'59		greatest brilliancy	1069 Jan 28 j 07:31	24°818'05	-4.6m
	1066 Aug 27 j 21:10	0°8		retrograde	1069 Feb 10 j 23:50	27°846'15	
	1066 Sep 20 j 22:18	0°8		evening set	1069 Feb 28 j 22:28	21°832'40	
max. Earth dist.	1066 Oct 01 j 03:06	12°846'37	1.71602 AU	min. Earth dist.	1069 Mar 03 j 16:54	19°848'54	0.28178 AU
				inferior conj	1069 Mar 04 j 02:45	19°833'19	8°30'35
superior conj	1066 Oct 03 j 19:29	16°808'24	1°07'32	minimum elong	1069 Mar 04 j 06:54	19°826'46	8°30'20
minimum elong	1066 Oct 04 j 05:26	16°839'35	1°07'14	morning rise	1069 Mar 07 j 15:29	17°821'22	
	1066 Oct 14 j 20:39	0°8		direct	1069 Mar 25 j 02:13	11°829'16	

greatest brilliancy	1069 Apr 05 j 10:04	13° Υ 48'27	-4.5m			1071 Nov 17 j 03:32	0° Υ	
desc. node	1069 Apr 22 j 06:55	23° Υ 42'55				1071 Dec 11 j 12:08	0° \approx	
	1069 Apr 30 j 03:46	0° Υ				1072 Jan 05 j 05:43	0° Υ	
morning max el	1069 May 13 j 02:08	11° Υ 43'18	45°51'47	asc. node		1072 Jan 29 j 05:37	28° Υ 11'56	
	1069 May 31 j 04:29	0° Υ				1072 Jan 30 j 19:21	0° Υ	
	1069 Jun 27 j 14:08	0° Υ				1072 Feb 27 j 07:57	0° Υ	
asc. node	1069 Jul 23 j 14:30	0° Υ		evening max el		1072 Mar 03 j 12:51	5° Υ 13'47	46°02'29
	1069 Aug 13 j 10:36	24° Υ 46'12				1072 Apr 02 j 14:43	0° Υ	
	1069 Aug 17 j 18:45	0° Ω		greatest brilliancy		1072 Apr 07 j 00:53	2° Υ 23'06	-4.5m
	1069 Sep 11 j 08:40	0° Υ		retrograde		1072 Apr 21 j 20:09	6° Υ 13'41	
	1069 Oct 05 j 12:47	0° Υ		evening set		1072 May 07 j 02:39	1° Υ 40'50	
	1069 Oct 29 j 11:17	0° Υ				1072 May 09 j 23:36	30° Υ	
morning set	1069 Nov 07 j 11:43	11° Υ 20'17		inferior conj		1072 May 13 j 05:53	27° Υ 58'12	1°31'55
	1069 Nov 22 j 07:30	0° Υ		minimum elong		1072 May 13 j 09:12	27° Υ 52'59	1°30'58
desc. node	1069 Dec 02 j 23:57	13° Υ 27'12		min. Earth dist.		1072 May 13 j 07:33	27° Υ 55'34	0.28917 AU
	1069 Dec 16 j 03:27	0° Υ		morning rise		1072 May 19 j 16:02	24° Υ 06'41	
				desc. node		1072 May 19 j 18:52	24° Υ 02'49	
superior conj	1069 Dec 18 j 21:04	3° Υ 26'25	0°-36'-42	direct		1072 Jun 03 j 20:33	19° Υ 41'01	
minimum elong	1069 Dec 18 j 11:54	2° Υ 57'35	0°36'19	greatest brilliancy		1072 Jun 17 j 03:51	22° Υ 47'29	-4.5m
max. Earth dist.	1069 Dec 20 j 18:54	5° Υ 50'31	1.71108 AU			1072 Jun 29 j 14:47	0° Υ	
	1070 Jan 09 j 00:23	0° \approx		morning max el		1072 Jul 22 j 16:38	19° Υ 30'44	45°48'34
evening rise	1070 Jan 29 j 06:08	25° \approx 21'05				1072 Aug 02 j 06:29	0° Υ	
	1070 Feb 01 j 23:28	0° Υ				1072 Aug 29 j 22:29	0° Ω	
	1070 Feb 26 j 02:18	0° Υ		asc. node		1072 Sep 09 j 22:27	12° Ω 37'50	
asc. node	1070 Mar 22 j 10:49	0° Υ				1072 Sep 24 j 16:13	0° Υ	
	1070 Mar 26 j 03:22	4° Υ 30'46				1072 Oct 19 j 10:27	0° Υ	
	1070 Apr 16 j 03:03	0° Υ				1072 Nov 12 j 16:14	0° Υ	
	1070 May 11 j 05:35	0° Υ				1072 Dec 06 j 16:21	0° Υ	
	1070 Jun 05 j 23:27	0° Ω		desc. node		1072 Dec 30 j 11:49	29° Υ 50'54	
	1070 Jul 02 j 20:49	0° Υ				1072 Dec 30 j 14:43	0° Υ	
desc. node	1070 Jul 15 j 16:39	13° Υ 31'26		morning set		1073 Jan 23 j 15:37	0° \approx 06'51	
evening max el	1070 Jul 27 j 06:20	25° Υ 02'13	45°56'00			1073 Jan 23 j 13:26	0° \approx	
	1070 Aug 01 j 13:10	0° Υ				1073 Feb 16 j 13:44	0° Υ	
greatest brilliancy	1070 Sep 03 j 20:37	23° Υ 17'34	-4.6m					
retrograde	1070 Sep 14 j 10:53	25° Υ 19'23		superior conj		1073 Mar 05 j 01:02	20° Υ 30'09	-1°-23'-40
evening set	1070 Oct 01 j 02:09	20° Υ 03'52		minimum elong		1073 Mar 05 j 05:41	20° Υ 44'36	1°23'37
inferior conj	1070 Oct 05 j 05:51	17° Υ 35'21	-6°-59'-25	max. Earth dist.		1073 Mar 09 j 00:22	25° Υ 26'12	1.72400 AU
minimum elong	1070 Oct 05 j 16:13	17° Υ 19'35	6°57'26			1073 Mar 12 j 16:36	0° Υ	
min. Earth dist.	1070 Oct 06 j 03:02	17° Υ 03'10	0.27215 AU			1073 Apr 05 j 22:44	0° Υ	
morning rise	1070 Oct 10 j 05:50	14° Υ 37'22		evening rise		1073 Apr 12 j 18:40	8° Υ 24'58	
direct	1070 Oct 26 j 01:47	9° Υ 43'36		asc. node		1073 Apr 22 j 15:17	20° Υ 32'11	
asc. node	1070 Nov 05 j 19:55	11° Υ 55'10				1073 Apr 30 j 08:29	0° Υ	
greatest brilliancy	1070 Nov 08 j 20:05	13° Υ 13'20	-4.7m			1073 May 24 j 21:54	0° Υ	
	1070 Dec 02 j 03:23	0° Υ				1073 Jun 18 j 15:33	0° Ω	
morning max el	1070 Dec 15 j 22:06	13° Υ 18'40	46°57'05			1073 Jul 13 j 15:11	0° Υ	
	1070 Dec 31 j 14:23	0° Υ				1073 Aug 08 j 00:20	0° Υ	
	1071 Jan 26 j 22:38	0° Υ		desc. node		1073 Aug 12 j 04:27	4° Υ 52'11	
	1071 Feb 21 j 07:27	0° \approx				1073 Sep 03 j 01:49	0° Υ	
desc. node	1071 Feb 25 j 09:32	4° \approx 53'14				1073 Sep 30 j 13:30	0° Υ	
	1071 Mar 18 j 06:50	0° Υ		evening max el		1073 Oct 08 j 17:06	8° Υ 19'17	47°06'00
	1071 Apr 12 j 02:03	0° Υ				1073 Nov 02 j 02:25	0° Υ	
	1071 May 06 j 19:10	0° Υ		greatest brilliancy		1073 Nov 16 j 10:27	8° Υ 31'56	-4.7m
	1071 May 31 j 10:20	0° Υ		retrograde		1073 Nov 28 j 05:24	11° Υ 07'35	
morning set	1071 Jun 17 j 12:37	20° Υ 54'08		asc. node		1073 Dec 03 j 07:54	10° Υ 35'26	
asc. node	1071 Jun 18 j 12:58	22° Υ 08'42		evening set		1073 Dec 12 j 17:47	6° Υ 55'21	
	1071 Jun 24 j 22:43	0° Υ		min. Earth dist.		1073 Dec 18 j 02:56	3° Υ 45'33	0.26517 AU
	1071 Jul 19 j 07:34	0° Ω		inferior conj		1073 Dec 18 j 18:36	3° Υ 21'29	3°52'56
max. Earth dist.	1071 Jul 20 j 16:43	1° Ω 42'20	1.73121 AU	minimum elong		1073 Dec 18 j 10:33	3° Υ 33'52	3°50'34
				morning rise		1073 Dec 24 j 03:45	0° Υ 10'17	
superior conj	1071 Jul 23 j 20:24	5° Ω 36'10	1°10'53			1073 Dec 24 j 11:16	30° Υ	
minimum elong	1071 Jul 23 j 12:18	5° Ω 11'07	1°10'41	direct		1074 Jan 08 j 03:07	25° Υ 44'36	
	1071 Aug 12 j 13:06	0° Υ		greatest brilliancy		1074 Jan 19 j 05:07	28° Υ 02'37	-4.6m
evening rise	1071 Aug 29 j 05:27	20° Υ 43'13				1074 Jan 23 j 11:53	0° Υ	
	1071 Sep 05 j 16:32	0° Υ		morning max el		1074 Feb 27 j 02:12	27° Υ 50'51	46°33'30
	1071 Sep 29 j 19:21	0° Υ				1074 Mar 01 j 06:02	0° \approx	
desc. node	1071 Oct 08 j 02:16	10° Υ 18'25		desc. node		1074 Mar 24 j 21:15	25° \approx 00'06	
	1071 Oct 23 j 22:41	0° Υ				1074 Mar 29 j 09:39	0° Υ	

	1074 Apr 24 j 18:55	0°♃				1076 Oct 09 j 06:40	0°♁		
	1074 May 20 j 10:32	0°♄				1076 Nov 03 j 10:52	0°♂		
	1074 Jun 14 j 15:50	0°♅				1076 Nov 29 j 11:28	0°♆		
	1074 Jul 09 j 12:48	0°♁			evening max el	1076 Dec 19 j 17:29	21°♁47'44	47°11'31	
asc. node	1074 Jul 16 j 00:47	7°♁54'16				1076 Dec 28 j 00:16	0°♁		
	1074 Aug 03 j 01:54	0°♁			asc. node	1076 Dec 30 j 19:48	2°♁39'23		
morning set	1074 Aug 24 j 18:47	26°♁49'38			greatest brilliancy	1077 Jan 25 j 22:49	21°♁59'37	-4.6m	
	1074 Aug 27 j 08:04	0°♁			retrograde	1077 Feb 08 j 15:36	25°♁28'34		
	1074 Sep 20 j 09:14	0°♁			evening set	1077 Feb 26 j 14:40	19°♁13'11		
max. Earth dist.	1074 Sep 28 j 13:58	10°♁15'56	1.71652 AU		min. Earth dist.	1077 Mar 01 j 06:49	17°♁33'07	0.28132 AU	
					inferior conj	1077 Mar 01 j 17:46	17°♁15'52	8°35'09	
superior conj	1074 Oct 01 j 09:25	13°♁47'19	1°09'38		minimum elong	1077 Mar 01 j 21:09	17°♁10'31	8°34'58	
minimum elong	1074 Oct 01 j 19:04	14°♁17'32	1°09'22		morning rise	1077 Mar 05 j 03:50	15°♁08'16		
	1074 Oct 14 j 07:39	0°♁			direct	1077 Mar 22 j 16:34	9°♁12'30		
desc. node	1074 Nov 04 j 14:15	26°♁42'34			greatest brilliancy	1077 Apr 02 j 23:19	11°♁31'09	-4.5m	
	1074 Nov 07 j 05:10	0°♁			desc. node	1077 Apr 21 j 09:06	22°♁34'46		
evening rise	1074 Nov 10 j 12:23	4°♁08'37				1077 Apr 30 j 09:07	0°♁		
	1074 Dec 01 j 02:57	0°♁			morning max el	1077 May 10 j 18:04	9°♁31'58	45°52'48	
	1074 Dec 25 j 02:11	0°♁				1077 May 30 j 21:47	0°♁		
	1075 Jan 18 j 04:54	0°♁				1077 Jun 27 j 04:02	0°♁		
	1075 Feb 11 j 14:31	0°♁				1077 Jul 23 j 02:52	0°♁		
asc. node	1075 Feb 25 j 17:27	17°♁06'29			asc. node	1077 Aug 12 j 12:36	24°♁17'04		
	1075 Mar 08 j 12:19	0°♁				1077 Aug 17 j 06:20	0°♁		
	1075 Apr 03 j 06:51	0°♁				1077 Sep 10 j 19:50	0°♁		
	1075 Apr 30 j 17:32	0°♁				1077 Oct 04 j 23:46	0°♁		
evening max el	1075 May 14 j 00:21	13°♁17'48	45°21'00			1077 Oct 28 j 22:14	0°♁		
	1075 Jun 02 j 05:35	0°♁			morning set	1077 Nov 04 j 23:38	8°♁52'24		
desc. node	1075 Jun 17 j 06:52	9°♁23'12				1077 Nov 21 j 18:27	0°♁		
greatest brilliancy	1075 Jun 18 j 08:12	9°♁51'41	-4.5m		desc. node	1077 Dec 02 j 02:05	12°♁59'26		
retrograde	1075 Jul 01 j 13:13	12°♁55'35				1077 Dec 15 j 14:26	0°♁		
evening set	1075 Jul 18 j 01:02	7°♁48'49							
inferior conj	1075 Jul 22 j 23:56	4°♁49'34	-7°-9'-14		superior conj	1077 Dec 16 j 06:23	0°♁50'12	0°-33'00	
minimum elong	1075 Jul 22 j 14:30	5°♁04'13	7°07'41		minimum elong	1077 Dec 15 j 22:00	0°♁23'47	0°32'37	
min. Earth dist.	1075 Jul 23 j 04:24	4°♁42'39	0.28802 AU		max. Earth dist.	1077 Dec 18 j 02:46	3°♁09'47	1.71095 AU	
morning rise	1075 Jul 27 j 03:40	2°♁17'05				1078 Jan 08 j 11:21	0°♁		
	1075 Jul 31 j 07:37	30°♁			evening rise	1078 Jan 26 j 16:44	22°♁49'59		
direct	1075 Aug 13 j 13:12	26°♁34'30				1078 Feb 01 j 10:25	0°♁		
	1075 Aug 27 j 12:23	0°♁				1078 Feb 25 j 13:19	0°♁		
greatest brilliancy	1075 Aug 28 j 00:04	0°♁13'40	-4.5m			1078 Mar 21 j 22:01	0°♁		
morning max el	1075 Oct 02 j 09:24	28°♁06'37	46°25'54		asc. node	1078 Mar 25 j 05:28	4°♁02'55		
	1075 Oct 04 j 06:39	0°♁				1078 Apr 15 j 14:38	0°♁		
asc. node	1075 Oct 08 j 10:13	4°♁14'40				1078 May 10 j 17:53	0°♁		
	1075 Oct 31 j 22:28	0°♁				1078 Jun 05 j 13:08	0°♁		
	1075 Nov 26 j 11:06	0°♁				1078 Jul 02 j 13:34	0°♁		
	1075 Dec 21 j 03:48	0°♁			desc. node	1078 Jul 14 j 18:40	12°♁46'51		
	1076 Jan 14 j 12:36	0°♁			evening max el	1078 Jul 24 j 21:08	22°♁47'16	45°53'51	
desc. node	1076 Jan 27 j 23:41	16°♁38'15				1078 Aug 01 j 15:37	0°♁		
	1076 Feb 07 j 18:53	0°♁			greatest brilliancy	1078 Sep 01 j 08:11	20°♁55'37	-4.6m	
	1076 Mar 03 j 01:04	0°♁			retrograde	1078 Sep 11 j 23:53	22°♁58'06		
	1076 Mar 27 j 08:17	0°♁			evening set	1078 Sep 28 j 18:32	17°♁37'57		
morning set	1076 Apr 07 j 04:08	13°♁20'39			inferior conj	1078 Oct 02 j 19:10	15°♁13'27	-7°-12'-49	
	1076 Apr 20 j 16:55	0°♁			minimum elong	1078 Oct 03 j 05:17	14°♁58'02	7°11'00	
					min. Earth dist.	1078 Oct 03 j 16:11	14°♁41'26	0.27280 AU	
superior conj	1076 May 14 j 08:22	29°♁03'41	0°-13'-41		morning rise	1078 Oct 07 j 15:40	12°♁20'09		
minimum elong	1076 May 14 j 11:12	29°♁12'24	0°13'34		direct	1078 Oct 23 j 16:30	7°♁20'58		
behind sun begin	1076 May 13 j 23:18	28°♁35'51			asc. node	1078 Nov 04 j 22:04	10°♁09'05		
behind sun end	1076 May 14 j 23:06	29°♁48'58			greatest brilliancy	1078 Nov 06 j 10:32	10°♁50'35	-4.7m	
max. Earth dist.	1076 May 14 j 13:29	29°♁19'26	1.73566 AU			1078 Dec 02 j 08:16	0°♁		
	1076 May 15 j 02:42	0°♁			morning max el	1078 Dec 13 j 12:21	10°♁55'39	46°56'38	
asc. node	1076 May 20 j 03:13	6°♁10'02				1078 Dec 31 j 08:18	0°♁		
	1076 Jun 08 j 12:53	0°♁				1079 Jan 26 j 13:17	0°♁		
evening rise	1076 Jun 19 j 13:13	13°♁31'46				1079 Feb 20 j 20:31	0°♁		
	1076 Jul 02 j 22:57	0°♁			desc. node	1079 Feb 24 j 11:30	4°♁20'29		
	1076 Jul 27 j 09:11	0°♁				1079 Mar 17 j 18:56	0°♁		
	1076 Aug 20 j 20:48	0°♁				1079 Apr 11 j 13:33	0°♁		
desc. node	1076 Sep 08 j 16:25	22°♁57'41				1079 May 06 j 06:14	0°♁		
	1076 Sep 14 j 11:19	0°♁				1079 May 30 j 21:07	0°♁		

morning set	1079 Jun 15 j 06:49	18°♊50'14		asc. node	1081 Dec 02 j 09:55	7°♁44'06	
asc. node	1079 Jun 17 j 14:59	21°♊42'13		evening set	1081 Dec 10 j 04:50	4°♁29'27	
	1079 Jun 24 j 09:21	0°♁		min. Earth dist.	1081 Dec 15 j 17:04	1°♁15'46	0.26485 AU
max. Earth dist.	1079 Jul 18 j 10:45	29°♁37'10	1.73157 AU	inferior conj	1081 Dec 16 j 07:08	0°♁54'10	3°30'52
	1079 Jul 18 j 18:09	0°♁		minimum elong	1081 Dec 15 j 23:42	1°♁05'35	3°28'39
					1081 Dec 17 j 18:31	30°♁	
superior conj	1079 Jul 21 j 14:37	3°♁31'22	1°09'07	morning rise	1081 Dec 21 j 18:52	27°♁39'23	
minimum elong	1079 Jul 21 j 06:17	3°♁05'39	1°08'52	direct	1082 Jan 05 j 14:50	23°♁17'29	
	1079 Aug 11 j 23:45	0°♁		greatest brilliancy	1082 Jan 16 j 20:16	25°♁38'33	-4.7m
evening rise	1079 Aug 26 j 21:52	18°♁31'40			1082 Jan 25 j 07:53	0°♁	
	1079 Sep 05 j 03:20	0°♁		morning max el	1082 Feb 24 j 14:33	25°♁25'33	46°34'57
	1079 Sep 29 j 06:23	0°♁			1082 Mar 01 j 03:47	0°♁	
desc. node	1079 Oct 07 j 04:26	9°♁50'37		desc. node	1082 Mar 23 j 23:28	24°♁20'48	
	1079 Oct 23 j 10:00	0°♁			1082 Mar 29 j 01:28	0°♁	
	1079 Nov 16 j 15:14	0°♁			1082 Apr 24 j 08:24	0°♁	
	1079 Dec 11 j 00:24	0°♁			1082 May 19 j 22:48	0°♁	
	1080 Jan 04 j 18:56	0°♁			1082 Jun 14 j 03:22	0°♁	
asc. node	1080 Jan 28 j 07:33	27°♁34'42			1082 Jul 08 j 23:54	0°♁	
	1080 Jan 30 j 10:29	0°♁		asc. node	1082 Jul 15 j 02:47	7°♁26'45	
	1080 Feb 27 j 04:12	0°♁			1082 Aug 02 j 12:46	0°♁	
evening max el	1080 Mar 01 j 04:22	3°♁00'12	46°04'45	morning set	1082 Aug 22 j 10:53	24°♁37'06	
	1080 Apr 04 j 06:04	0°♁			1082 Aug 26 j 18:52	0°♁	
greatest brilliancy	1080 Apr 04 j 18:59	0°♁15'52	-4.5m		1082 Sep 19 j 20:03	0°♁	
retrograde	1080 Apr 19 j 12:16	4°♁04'31		max. Earth dist.	1082 Sep 26 j 03:33	7°♁54'12	1.71701 AU
	1080 May 03 j 22:36	30°♁					
evening set	1080 May 04 j 20:36	29°♁29'54		superior conj	1082 Sep 28 j 23:21	11°♁26'33	1°11'38
inferior conj	1080 May 10 j 22:16	25°♁49'10	1°51'26	minimum elong	1082 Sep 29 j 08:37	11°♁55'36	1°11'23
minimum elong	1080 May 11 j 02:15	25°♁42'52	1°50'17		1082 Oct 13 j 18:33	0°♁	
min. Earth dist.	1080 May 11 j 00:10	25°♁46'09	0.28904 AU	desc. node	1082 Nov 03 j 16:20	26°♁14'35	
morning rise	1080 May 17 j 08:09	21°♁57'33			1082 Nov 06 j 16:10	0°♁	
desc. node	1080 May 18 j 20:57	21°♁08'59		evening rise	1082 Nov 07 j 23:14	1°♁37'28	
direct	1080 Jun 01 j 12:45	17°♁32'18			1082 Nov 30 j 14:05	0°♁	
greatest brilliancy	1080 Jun 14 j 17:32	20°♁35'46	-4.5m		1082 Dec 24 j 13:27	0°♁	
	1080 Jun 30 j 06:08	0°♁			1083 Jan 17 j 16:22	0°♁	
morning max el	1080 Jul 20 j 07:29	17°♁18'31	45°47'51		1083 Feb 11 j 02:22	0°♁	
	1080 Aug 02 j 00:58	0°♁		asc. node	1083 Feb 24 j 19:35	16°♁36'04	
	1080 Aug 29 j 12:48	0°♁			1083 Mar 08 j 00:56	0°♁	
asc. node	1080 Sep 09 j 00:30	12°♁04'29			1083 Apr 02 j 21:08	0°♁	
	1080 Sep 24 j 04:54	0°♁			1083 Apr 30 j 11:58	0°♁	
	1080 Oct 18 j 22:20	0°♁		evening max el	1083 May 11 j 15:31	11°♁05'47	45°21'14
	1080 Nov 12 j 03:42	0°♁			1083 Jun 02 j 20:18	0°♁	
	1080 Dec 06 j 03:33	0°♁		greatest brilliancy	1083 Jun 15 j 20:00	7°♁36'48	-4.5m
desc. node	1080 Dec 29 j 13:49	29°♁22'37		desc. node	1083 Jun 16 j 08:53	7°♁50'45	
	1080 Dec 30 j 01:44	0°♁		retrograde	1083 Jun 29 j 05:11	10°♁45'06	
morning set	1081 Jan 21 j 02:04	27°♁35'12		evening set	1083 Jul 15 j 13:28	5°♁42'07	
	1081 Jan 23 j 00:21	0°♁		inferior conj	1083 Jul 20 j 15:38	2°♁38'17	-6°-57'-15
	1081 Feb 16 j 00:34	0°♁		minimum elong	1083 Jul 20 j 05:59	2°♁53'15	6°55'35
				min. Earth dist.	1083 Jul 20 j 19:21	2°♁32'32	0.28829 AU
superior conj	1081 Mar 02 j 14:24	18°♁08'59	-1°-24'-24	morning rise	1083 Jul 24 j 22:13	0°♁01'49	
minimum elong	1081 Mar 02 j 18:13	18°♁20'50	1°24'22		1083 Jul 24 j 23:28	30°♁	
max. Earth dist.	1081 Mar 06 j 16:01	23°♁12'17	1.72346 AU	direct	1083 Aug 11 j 05:12	24°♁22'43	
	1081 Mar 12 j 03:22	0°♁		greatest brilliancy	1083 Aug 25 j 17:01	28°♁03'10	-4.5m
	1081 Apr 05 j 09:30	0°♁			1083 Aug 29 j 10:47	0°♁	
evening rise	1081 Apr 10 j 10:17	6°♁12'05		morning max el	1083 Sep 30 j 01:01	25°♁51'35	46°24'22
asc. node	1081 Apr 21 j 17:25	20°♁05'38			1083 Oct 04 j 03:35	0°♁	
	1081 Apr 29 j 19:18	0°♁		asc. node	1083 Oct 07 j 12:25	3°♁28'52	
	1081 May 24 j 08:56	0°♁			1083 Oct 31 j 14:00	0°♁	
	1081 Jun 18 j 03:00	0°♁			1083 Nov 26 j 00:39	0°♁	
	1081 Jul 13 j 03:22	0°♁			1083 Dec 20 j 16:20	0°♁	
	1081 Aug 07 j 13:45	0°♁			1084 Jan 14 j 00:33	0°♁	
desc. node	1081 Aug 11 j 06:28	4°♁18'15		desc. node	1084 Jan 27 j 01:39	16°♁08'11	
	1081 Sep 02 j 17:29	0°♁			1084 Feb 07 j 06:25	0°♁	
	1081 Sep 30 j 10:21	0°♁			1084 Mar 02 j 12:16	0°♁	
evening max el	1081 Oct 06 j 05:47	5°♁53'10	47°04'12		1084 Mar 26 j 19:12	0°♁	
	1081 Nov 03 j 02:23	0°♁		morning set	1084 Apr 04 j 20:19	11°♁09'09	
greatest brilliancy	1081 Nov 14 j 01:46	6°♁06'26	-4.7m		1084 Apr 20 j 03:41	0°♁	
retrograde	1081 Nov 25 j 17:29	8°♁39'10					

superior conj	1084 May 12 j 02:07	26°♄57'51	0°-16'-50	greatest brilliancy	1086 Nov 04 j 00:59	8°♁26'17	-4.7m
minimum elong	1084 May 12 j 05:36	27°♄08'33	0°16'40	asc. node	1086 Nov 04 j 00:02	8°♁25'10	
max. Earth dist.	1084 May 12 j 11:22	27°♄26'16	1.73556 AU		1086 Dec 02 j 11:55	0°♁	
	1084 May 14 j 13:25	0°♁		morning max el	1086 Dec 11 j 01:28	8°♁28'28	46°56'20
asc. node	1084 May 19 j 05:13	5°♁43'16			1086 Dec 31 j 02:12	0°♁	
	1084 Jun 07 j 23:40	0°♁			1087 Jan 26 j 04:03	0°♁	
evening rise	1084 Jun 17 j 08:18	11°♁29'49			1087 Feb 20 j 09:46	0°♁	
	1084 Jul 02 j 09:52	0°♁		desc. node	1087 Feb 23 j 13:40	3°♁47'40	
	1084 Jul 26 j 20:23	0°♁			1087 Mar 17 j 07:17	0°♁	
	1084 Aug 20 j 08:24	0°♁			1087 Apr 11 j 01:17	0°♁	
desc. node	1084 Sep 07 j 18:34	22°♁27'33			1087 May 05 j 17:34	0°♁	
	1084 Sep 13 j 23:32	0°♁			1087 May 30 j 08:10	0°♁	
	1084 Oct 08 j 19:47	0°♁		morning set	1087 Jun 13 j 01:16	16°♁46'19	
	1084 Nov 03 j 01:27	0°♁		asc. node	1087 Jun 16 j 17:01	21°♁15'02	
	1084 Nov 29 j 04:56	0°♁			1087 Jun 23 j 20:14	0°♁	
evening max el	1084 Dec 17 j 09:08	19°♁28'43	47°13'04	max. Earth dist.	1087 Jul 16 j 05:13	27°♁32'31	1.73199 AU
	1084 Dec 28 j 02:45	0°♁			1087 Jul 18 j 05:01	0°♁	
asc. node	1084 Dec 29 j 21:49	1°♁39'36					
greatest brilliancy	1085 Jan 23 j 14:42	19°♁41'24	-4.6m	superior conj	1087 Jul 19 j 09:03	1°♁26'32	1°07'15
retrograde	1085 Feb 06 j 07:35	23°♁10'08		minimum elong	1087 Jul 19 j 00:33	1°♁00'18	1°07'00
evening set	1085 Feb 24 j 06:29	16°♁53'37			1087 Aug 11 j 10:43	0°♁	
min. Earth dist.	1085 Feb 26 j 20:22	15°♁17'11	0.28080 AU	evening rise	1087 Aug 24 j 14:28	16°♁19'42	
inferior conj	1085 Feb 27 j 08:42	14°♁57'46	8°38'50		1087 Sep 04 j 14:31	0°♁	
minimum elong	1085 Feb 27 j 11:20	14°♁53'37	8°38'44		1087 Sep 28 j 17:50	0°♁	
morning rise	1085 Mar 02 j 16:23	12°♁54'02		desc. node	1087 Oct 06 j 06:29	9°♁21'09	
direct	1085 Mar 20 j 07:19	6°♁55'22			1087 Oct 22 j 21:47	0°♁	
greatest brilliancy	1085 Mar 31 j 11:23	9°♁12'12	-4.5m		1087 Nov 16 j 03:24	0°♁	
desc. node	1085 Apr 20 j 11:08	21°♁28'01			1087 Dec 10 j 13:08	0°♁	
	1085 Apr 30 j 12:42	0°♁		asc. node	1088 Jan 04 j 08:38	0°♁	
morning max el	1085 May 08 j 09:56	7°♁20'18	45°53'46		1088 Jan 27 j 09:40	26°♁56'39	
	1085 May 30 j 14:50	0°♁			1088 Jan 30 j 02:11	0°♁	
	1085 Jun 26 j 17:57	0°♁			1088 Feb 27 j 01:31	0°♁	
	1085 Jul 22 j 15:24	0°♁		evening max el	1088 Feb 27 j 18:59	0°♁43'18	46°07'09
asc. node	1085 Aug 11 j 14:42	23°♁47'34		greatest brilliancy	1088 Apr 02 j 12:38	28°♁07'10	-4.5m
	1085 Aug 16 j 18:08	0°♁			1088 Apr 06 j 23:11	0°♁	
	1085 Sep 10 j 07:16	0°♁		retrograde	1088 Apr 17 j 04:24	1°♁54'54	
	1085 Oct 04 j 11:00	0°♁			1088 Apr 26 j 23:38	30°♁	
	1085 Oct 28 j 09:24	0°♁		evening set	1088 May 02 j 14:47	27°♁18'04	
morning set	1085 Nov 02 j 11:32	6°♁23'51		inferior conj	1088 May 08 j 14:48	23°♁39'37	2°10'45
	1085 Nov 21 j 05:37	0°♁		minimum elong	1088 May 08 j 19:26	23°♁32'17	2°09'25
desc. node	1085 Dec 01 j 04:01	12°♁30'27		min. Earth dist.	1088 May 08 j 17:08	23°♁35'55	0.28889 AU
				morning rise	1088 May 15 j 00:16	19°♁48'12	
superior conj	1085 Dec 13 j 15:41	28°♁13'19	0°-29'-13	desc. node	1088 May 17 j 22:56	18°♁18'12	
minimum elong	1085 Dec 13 j 08:08	27°♁49'33	0°28'53	direct	1088 May 30 j 04:36	15°♁22'58	
	1085 Dec 15 j 01:36	0°♁		greatest brilliancy	1088 Jun 12 j 08:17	18°♁24'40	-4.5m
max. Earth dist.	1085 Dec 15 j 11:16	0°♁30'24	1.71080 AU		1088 Jun 30 j 17:53	0°♁	
	1086 Jan 07 j 22:31	0°♁		morning max el	1088 Jul 17 j 22:11	15°♁05'11	45°47'16
evening rise	1086 Jan 24 j 03:18	20°♁17'59			1088 Aug 01 j 19:15	0°♁	
	1086 Jan 31 j 21:37	0°♁			1088 Aug 29 j 03:15	0°♁	
	1086 Feb 25 j 00:34	0°♁		asc. node	1088 Sep 08 j 02:40	11°♁30'53	
	1086 Mar 21 j 09:27	0°♁			1088 Sep 23 j 17:49	0°♁	
asc. node	1086 Mar 24 j 07:37	3°♁34'26			1088 Oct 18 j 10:33	0°♁	
	1086 Apr 15 j 02:26	0°♁			1088 Nov 11 j 15:33	0°♁	
	1086 May 10 j 06:26	0°♁			1088 Dec 05 j 15:11	0°♁	
	1086 Jun 05 j 03:10	0°♁		desc. node	1088 Dec 28 j 15:54	28°♁53'15	
	1086 Jul 02 j 06:58	0°♁			1088 Dec 29 j 13:12	0°♁	
desc. node	1086 Jul 13 j 20:40	12°♁00'35		morning set	1089 Jan 18 j 12:00	25°♁00'34	
evening max el	1086 Jul 22 j 11:18	20°♁29'43	45°51'26		1089 Jan 22 j 11:39	0°♁	
	1086 Aug 01 j 20:17	0°♁			1089 Feb 15 j 11:45	0°♁	
greatest brilliancy	1086 Aug 29 j 20:42	18°♁33'13	-4.6m				
retrograde	1086 Sep 09 j 12:14	20°♁35'11		superior conj	1089 Feb 28 j 03:29	15°♁45'51	-1°-24'-58
evening set	1086 Sep 26 j 10:43	15°♁10'35		minimum elong	1089 Feb 28 j 06:25	15°♁55'00	1°24'59
inferior conj	1086 Sep 30 j 08:21	12°♁50'04	-7°-25'-26	max. Earth dist.	1089 Mar 04 j 05:56	20°♁51'52	1.72285 AU
minimum elong	1086 Sep 30 j 18:09	12°♁35'06	7°23'47		1089 Mar 11 j 14:29	0°♁	
min. Earth dist.	1086 Oct 01 j 05:29	12°♁17'47	0.27346 AU		1089 Apr 04 j 20:35	0°♁	
morning rise	1086 Oct 05 j 01:13	10°♁01'30		evening rise	1089 Apr 08 j 01:46	3°♁57'51	
direct	1086 Oct 21 j 06:32	4°♁56'46		asc. node	1089 Apr 20 j 19:24	19°♁37'36	

	1089 Apr 29 j 06:27	0°♁		asc. node	1091 Oct 06 j 14:19	2°♁42'54	
	1089 May 23 j 20:18	0°♁			1091 Oct 31 j 05:20	0°♁	
	1089 Jun 17 j 14:47	0°♁			1091 Nov 25 j 14:07	0°♁	
	1089 Jul 12 j 15:53	0°♁			1091 Dec 20 j 04:54	0°♁	
	1089 Aug 07 j 03:32	0°♁			1092 Jan 13 j 12:35	0°♁	
desc. node	1089 Aug 10 j 08:39	3°♁43'53		desc. node	1092 Jan 26 j 03:50	15°♁38'22	
	1089 Sep 02 j 09:39	0°♁			1092 Feb 06 j 18:05	0°♁	
	1089 Sep 30 j 08:20	0°♁			1092 Mar 01 j 23:38	0°♁	
evening max el	1089 Oct 03 j 17:59	3°♁25'05	47°02'07		1092 Mar 26 j 06:20	0°♁	
	1089 Nov 04 j 12:49	0°♁		morning set	1092 Apr 02 j 12:01	8°♁55'31	
greatest brilliancy	1089 Nov 11 j 15:57	3°♁37'46	-4.7m		1092 Apr 19 j 14:38	0°♁	
retrograde	1089 Nov 23 j 05:35	6°♁08'44					
asc. node	1089 Dec 01 j 11:57	4°♁44'30		superior conj	1092 May 09 j 19:28	24°♁50'19	0°-19'-59
evening set	1089 Dec 07 j 15:45	2°♁00'47		minimum elong	1092 May 09 j 23:35	25°♁02'58	0°19'48
	1089 Dec 11 j 04:27	30°♁		max. Earth dist.	1092 May 10 j 10:04	25°♁35'11	1.73537 AU
min. Earth dist.	1089 Dec 13 j 06:47	28°♁43'40	0.26462 AU		1092 May 14 j 00:17	0°♁	
inferior conj	1089 Dec 13 j 19:20	28°♁24'28	3°08'03	asc. node	1092 May 18 j 07:13	5°♁16'10	
minimum elong	1089 Dec 13 j 12:34	28°♁34'49	3°06'00		1092 Jun 07 j 10:32	0°♁	
morning rise	1089 Dec 19 j 09:36	25°♁06'29		evening rise	1092 Jun 15 j 03:14	9°♁27'09	
direct	1090 Jan 03 j 02:28	20°♁47'43			1092 Jul 01 j 20:52	0°♁	
greatest brilliancy	1090 Jan 14 j 11:31	23°♁12'28	-4.7m		1092 Jul 26 j 07:39	0°♁	
	1090 Jan 26 j 15:06	0°♁			1092 Aug 19 j 20:05	0°♁	
morning max el	1090 Feb 22 j 03:34	23°♁00'16	46°36'33	desc. node	1092 Sep 06 j 20:36	21°♁56'52	
	1090 Mar 01 j 01:20	0°♁			1092 Sep 13 j 11:49	0°♁	
desc. node	1090 Mar 23 j 01:31	23°♁40'15			1092 Oct 08 j 08:59	0°♁	
	1090 Mar 28 j 17:27	0°♁			1092 Nov 02 j 16:07	0°♁	
	1090 Apr 23 j 22:06	0°♁			1092 Nov 28 j 22:40	0°♁	
	1090 May 19 j 11:15	0°♁		evening max el	1092 Dec 15 j 01:00	17°♁10'24	47°14'18
	1090 Jun 13 j 15:06	0°♁			1092 Dec 28 j 06:45	0°♁	
	1090 Jul 08 j 11:12	0°♁		asc. node	1092 Dec 28 j 23:54	0°♁38'46	
asc. node	1090 Jul 14 j 04:55	6°♁59'01		greatest brilliancy	1093 Jan 21 j 07:21	17°♁24'02	-4.6m
	1090 Aug 01 j 23:51	0°♁		retrograde	1093 Feb 03 j 23:19	20°♁51'05	
morning set	1090 Aug 20 j 03:33	22°♁25'45		evening set	1093 Feb 21 j 21:52	14°♁34'19	
	1090 Aug 26 j 05:52	0°♁		min. Earth dist.	1093 Feb 24 j 09:52	13°♁00'44	0.28030 AU
	1090 Sep 19 j 07:04	0°♁		inferior conj	1093 Feb 24 j 23:32	12°♁39'11	8°41'39
max. Earth dist.	1090 Sep 23 j 19:11	5°♁38'21	1.71749 AU	minimum elong	1093 Feb 25 j 01:23	12°♁36'18	8°41'37
				morning rise	1093 Feb 28 j 05:07	10°♁38'44	
superior conj	1090 Sep 26 j 13:52	9°♁07'07	1°13'28	direct	1093 Mar 17 j 22:13	4°♁37'55	
minimum elong	1090 Sep 26 j 22:42	9°♁34'46	1°13'14	greatest brilliancy	1093 Mar 28 j 23:01	6°♁52'09	-4.5m
	1090 Oct 13 j 05:39	0°♁		desc. node	1093 Apr 19 j 13:07	20°♁22'34	
desc. node	1090 Nov 02 j 18:18	25°♁45'37			1093 Apr 30 j 14:54	0°♁	
evening rise	1090 Nov 05 j 10:32	29°♁07'07		morning max el	1093 May 06 j 01:12	5°♁06'46	45°54'42
	1090 Nov 06 j 03:24	0°♁			1093 May 30 j 07:39	0°♁	
	1090 Nov 30 j 01:29	0°♁			1093 Jun 26 j 07:46	0°♁	
	1090 Dec 24 j 01:03	0°♁			1093 Jul 22 j 03:48	0°♁	
	1091 Jan 17 j 04:12	0°♁		asc. node	1093 Aug 10 j 16:47	23°♁18'24	
	1091 Feb 10 j 14:37	0°♁			1093 Aug 16 j 05:48	0°♁	
asc. node	1091 Feb 23 j 21:40	16°♁04'26			1093 Sep 09 j 18:33	0°♁	
	1091 Mar 07 j 13:59	0°♁			1093 Oct 03 j 22:07	0°♁	
	1091 Apr 02 j 11:53	0°♁			1093 Oct 27 j 20:27	0°♁	
	1091 Apr 30 j 07:10	0°♁		morning set	1093 Oct 30 j 23:51	3°♁56'58	
evening max el	1091 May 09 j 07:34	8°♁55'22	45°21'44		1093 Nov 20 j 16:39	0°♁	
	1091 Jun 03 j 16:20	0°♁		desc. node	1093 Nov 30 j 06:09	12°♁02'32	
greatest brilliancy	1091 Jun 13 j 08:34	5°♁22'46	-4.5m				
desc. node	1091 Jun 15 j 10:57	6°♁15'00		superior conj	1093 Dec 11 j 01:30	25°♁38'36	0°-25'-25
retrograde	1091 Jun 26 j 21:28	8°♁34'36		minimum elong	1093 Dec 10 j 18:51	25°♁17'41	0°25'08
evening set	1091 Jul 13 j 02:15	3°♁35'29		max. Earth dist.	1093 Dec 12 j 17:57	27°♁45'50	1.71063 AU
inferior conj	1091 Jul 18 j 07:30	0°♁27'05	-6°-44'-44		1093 Dec 14 j 12:36	0°♁	
minimum elong	1091 Jul 17 j 21:41	0°♁42'18	6°42'58		1094 Jan 07 j 09:30	0°♁	
min. Earth dist.	1091 Jul 18 j 10:16	0°♁22'47	0.28849 AU	evening rise	1094 Jan 21 j 14:08	17°♁47'16	
	1091 Jul 19 j 00:58	30°♁			1094 Jan 31 j 08:37	0°♁	
morning rise	1091 Jul 22 j 16:55	27°♁46'37			1094 Feb 24 j 11:40	0°♁	
direct	1091 Aug 08 j 21:48	22°♁11'16			1094 Mar 20 j 20:46	0°♁	
greatest brilliancy	1091 Aug 23 j 09:08	25°♁51'42	-4.5m	asc. node	1094 Mar 23 j 09:32	3°♁05'40	
	1091 Aug 30 j 18:04	0°♁			1094 Apr 14 j 14:10	0°♁	
morning max el	1091 Sep 27 j 17:08	23°♁37'52	46°22'54		1094 May 09 j 18:57	0°♁	
	1091 Oct 03 j 23:51	0°♁			1094 Jun 04 j 17:15	0°♁	

	1094 Jul 02 j 00:37	0°♄			1097 Jan 21 j 22:36	0°≈		
desc. node	1094 Jul 12 j 22:51	11°♄14'35			1097 Feb 14 j 22:36	0°✠		
evening max el	1094 Jul 20 j 00:36	18°♄10'45	45°49'14					
	1094 Aug 02 j 02:41	0°♁		superior conj	1097 Feb 25 j 16:31	13°✠23'36	-1°-25'-25	
greatest brilliancy	1094 Aug 27 j 09:52	16°♁12'39	-4.6m	minimum elong	1097 Feb 25 j 18:34	13°✠29'59	1°25'25	
retrograde	1094 Sep 07 j 00:28	18°♁13'49		max. Earth dist.	1097 Mar 01 j 17:25	18°✠24'57	1.72225 AU	
evening set	1094 Sep 24 j 02:57	12°♁44'46			1097 Mar 11 j 01:13	0°♃		
inferior conj	1094 Sep 27 j 21:45	10°♁28'12	-7°-37'-2		1097 Apr 04 j 07:16	0°♄		
minimum elong	1094 Sep 28 j 07:08	10°♁13'50	7°35'34	evening rise	1097 Apr 05 j 17:16	1°♄44'47		
min. Earth dist.	1094 Sep 28 j 19:13	9°♁55'19	0.27412 AU	asc. node	1097 Apr 19 j 21:29	19°♄11'03		
morning rise	1094 Oct 02 j 10:55	7°♁44'27			1097 Apr 28 j 17:13	0°♂		
direct	1094 Oct 18 j 20:11	2°♁33'48			1097 May 23 j 07:18	0°♁		
greatest brilliancy	1094 Nov 01 j 16:19	6°♁04'14	-4.6m		1097 Jun 17 j 02:17	0°♂		
asc. node	1094 Nov 03 j 02:07	6°♁46'13			1097 Jul 12 j 04:10	0°♄		
	1094 Dec 02 j 13:43	0°♃			1097 Aug 06 j 17:09	0°♁		
morning max el	1094 Dec 08 j 14:18	6°♃01'16	46°56'05	desc. node	1097 Aug 09 j 10:37	3°♁09'35		
	1094 Dec 30 j 19:24	0°♂			1097 Sep 02 j 01:48	0°♃		
	1095 Jan 25 j 18:22	0°♁			1097 Sep 30 j 06:46	0°♂		
	1095 Feb 19 j 22:36	0°≈		evening max el	1097 Oct 01 j 06:57	1°♂00'13	47°00'14	
desc. node	1095 Feb 22 j 15:42	3°≈15'33			1097 Nov 06 j 15:14	0°♁		
	1095 Mar 16 j 19:15	0°✠		greatest brilliancy	1097 Nov 09 j 05:17	1°♁09'28	-4.7m	
	1095 Apr 10 j 12:43	0°♃		retrograde	1097 Nov 20 j 18:13	3°♁39'44		
	1095 May 05 j 04:37	0°♄		asc. node	1097 Nov 30 j 14:05	1°♁40'42		
	1095 May 29 j 18:58	0°♂			1097 Dec 04 j 06:21	30°♂		
morning set	1095 Jun 10 j 19:29	14°♂42'19		evening set	1097 Dec 05 j 02:59	29°♂33'03		
asc. node	1095 Jun 15 j 19:10	20°♂48'50		min. Earth dist.	1097 Dec 10 j 20:12	26°♂13'15	0.26441 AU	
	1095 Jun 23 j 06:54	0°♁		inferior conj	1097 Dec 11 j 07:32	25°♂55'56	2°44'55	
max. Earth dist.	1095 Jul 13 j 23:47	25°♁28'56	1.73238 AU	minimum elong	1097 Dec 11 j 01:31	26°♂05'08	2°43'03	
				morning rise	1097 Dec 17 j 00:15	22°♂35'09		
superior conj	1095 Jul 17 j 03:19	29°♁21'57	1°05'17	direct	1097 Dec 31 j 14:39	18°♂19'12		
minimum elong	1095 Jul 16 j 18:42	28°♁55'21	1°05'01	greatest brilliancy	1098 Jan 12 j 01:59	20°♂46'49	-4.7m	
	1095 Jul 17 j 15:39	0°♂			1098 Jan 27 j 13:05	0°♁		
	1095 Aug 10 j 21:26	0°♄		morning max el	1098 Feb 19 j 17:42	20°♁38'52	46°38'03	
evening rise	1095 Aug 22 j 07:06	14°♄08'49			1098 Feb 28 j 21:43	0°≈		
	1095 Sep 04 j 01:25	0°♁		desc. node	1098 Mar 22 j 03:27	23°≈00'58		
	1095 Sep 28 j 05:00	0°♃			1098 Mar 28 j 08:47	0°✠		
desc. node	1095 Oct 05 j 08:27	8°♃52'17			1098 Apr 23 j 11:17	0°♃		
	1095 Oct 22 j 09:15	0°♂			1098 May 18 j 23:16	0°♄		
	1095 Nov 15 j 15:18	0°♁			1098 Jun 13 j 02:26	0°♂		
	1095 Dec 10 j 01:36	0°≈			1098 Jul 07 j 22:09	0°♁		
	1096 Jan 03 j 22:06	0°✠		asc. node	1098 Jul 13 j 06:58	6°♁32'08		
asc. node	1096 Jan 26 j 11:48	26°✠19'25			1098 Aug 01 j 10:36	0°♂		
	1096 Jan 29 j 17:43	0°♃		morning set	1098 Aug 17 j 20:09	20°♂15'15		
evening max el	1096 Feb 25 j 08:58	28°♃26'01	46°09'38		1098 Aug 25 j 16:35	0°♄		
	1096 Feb 26 j 23:07	0°♄			1098 Sep 18 j 17:49	0°♁		
greatest brilliancy	1096 Mar 31 j 05:03	25°♄58'00	-4.5m	max. Earth dist.	1098 Sep 21 j 08:28	3°♁15'59	1.71797 AU	
retrograde	1096 Apr 14 j 20:44	29°♄46'37						
evening set	1096 Apr 30 j 09:03	25°♄07'02		superior conj	1098 Sep 24 j 04:17	6°♁48'11	1°15'10	
inferior conj	1096 May 06 j 07:21	21°♄31'11	2°29'44	minimum elong	1098 Sep 24 j 12:36	7°♁14'15	1°14'58	
minimum elong	1096 May 06 j 12:36	21°♄22'53	2°28'15		1098 Oct 12 j 16:29	0°♃		
min. Earth dist.	1096 May 06 j 10:05	21°♄26'52	0.28880 AU	desc. node	1098 Nov 01 j 20:27	25°♃18'01		
morning rise	1096 May 12 j 16:16	17°♄40'18		evening rise	1098 Nov 02 j 21:36	26°♃36'55		
desc. node	1096 May 17 j 01:02	15°♄32'11			1098 Nov 05 j 14:21	0°♂		
direct	1096 May 27 j 20:13	13°♄14'31			1098 Nov 29 j 12:35	0°♁		
greatest brilliancy	1096 Jun 10 j 00:04	16°♄15'49	-4.5m		1098 Dec 23 j 12:20	0°≈		
	1096 Jul 01 j 02:09	0°♂			1099 Jan 16 j 15:44	0°✠		
morning max el	1096 Jul 15 j 13:39	12°♂54'35	45°46'43		1099 Feb 10 j 02:34	0°♃		
	1096 Aug 01 j 12:48	0°♁		asc. node	1099 Feb 22 j 23:38	15°♃33'12		
	1096 Aug 28 j 17:15	0°♂			1099 Mar 07 j 02:47	0°♄		
asc. node	1096 Sep 07 j 04:37	10°♂57'39			1099 Apr 02 j 02:30	0°♂		
	1096 Sep 23 j 06:22	0°♄			1099 Apr 30 j 02:33	0°♁		
	1096 Oct 17 j 22:23	0°♁		evening max el	1099 May 07 j 00:15	6°♁47'25	45°22'16	
	1096 Nov 11 j 03:00	0°♃			1099 Jun 04 j 19:05	0°♂		
	1096 Dec 05 j 02:24	0°♂		greatest brilliancy	1099 Jun 10 j 22:09	3°♂11'05	-4.5m	
desc. node	1096 Dec 27 j 18:00	28°♂25'04		desc. node	1099 Jun 14 j 13:04	4°♂37'01		
	1096 Dec 29 j 00:16	0°♁		retrograde	1099 Jun 24 j 13:34	6°♂25'04		
morning set	1097 Jan 15 j 21:52	22°♁26'42		evening set	1099 Jul 10 j 15:12	1°♂30'00		

	1099 Jul 13 j 04:31	30°☿	
inferior conj	1099 Jul 15 j 23:24	28°☿17'01	-6°-31'-45
minimum elong	1099 Jul 15 j 13:29	28°☿32'25	6°29'51
min. Earth dist.	1099 Jul 16 j 01:16	28°☿14'06	0.28869 AU
morning rise	1099 Jul 20 j 11:36	25°☿32'25	
direct	1099 Aug 06 j 14:32	20°☿01'07	
greatest brilliancy	1099 Aug 20 j 23:59	23°☿39'40	-4.5m
	1099 Aug 31 j 16:05	0°♁	
morning max el	1099 Sep 25 j 08:49	21°♁23'56	46°21'13
	1099 Oct 03 j 19:17	0°♁	
asc. node	1099 Oct 05 j 16:26	1°♁58'45	
	1099 Oct 30 j 20:19	0°♁	
	1099 Nov 25 j 03:21	0°♁	
	1099 Dec 19 j 17:15	0°♁	
	1100 Jan 13 j 00:23	0°♁	
desc. node	1100 Jan 25 j 05:52	15°♁08'53	
	1100 Feb 06 j 05:29	0°♁	
	1100 Mar 01 j 10:43	0°♁	
	1100 Mar 25 j 17:12	0°♁	
morning set	1100 Mar 31 j 03:36	6°♁42'12	
	1100 Apr 19 j 01:21	0°♁	
superior conj	1100 May 07 j 12:49	22°♁43'22	0°-23'-7
minimum elong	1100 May 07 j 17:34	22°♁57'57	0°22'55
max. Earth dist.	1100 May 08 j 08:43	23°♁44'29	1.73514 AU
	1100 May 13 j 10:56	0°♁	
asc. node	1100 May 17 j 09:24	4°♁50'11	
	1100 Jun 06 j 21:12	0°☿	
evening rise	1100 Jun 12 j 22:14	7°☿25'14	
	1100 Jul 01 j 07:40	0°♁	
	1100 Jul 25 j 18:43	0°♁	
	1100 Aug 19 j 07:36	0°♁	