conjunction	6600 Jan 12 19:17	23°♉20'22	-0°32'18
minimum elong	6600 Jan 12 18:16	23°♉18'41	0°32'14
	6600 Jan 22 16:15	0°♒	
morning rise	6600 Feb 28 23:42	25°♒48'01	
	6600 Mar 06 22:11	0°♓	
	6600 Apr 17 08:18	0°♈	
	6600 May 27 07:48	0°♉	
	6600 Jul 05 11:13	0°♊	
	6600 Aug 13 15:25	0°♋	
	6600 Sep 23 02:16	0°♌	
asc. node	6600 Oct 03 18:54	7°♌36'51	
	6600 Nov 06 01:44	0°♍	
	6601 Jan 01 12:30	0°♎	
retrograde	6601 Feb 06 13:51	7°♎40'14	
min. Earth dist.	6601 Mar 12 05:08	0°♎07'49	0.59075 AU
	6601 Mar 12 13:10	30°℞♍	
greatest brilliancy	6601 Mar 17 01:21	28°♍13'35	-1.7m
opposition	6601 Mar 18 01:16	27°♍50'01	4°54'19
direct	6601 Apr 24 05:48	19°♍17'59	
	6601 Jun 10 09:17	0°♎	
	6601 Aug 11 11:03	0°♏	
desc. node	6601 Sep 29 17:57	28°♏18'17	
	6601 Oct 02 13:48	0°♐	
	6601 Nov 19 20:09	0°♑	
	6602 Jan 04 04:03	0°♒	
evening set	6602 Jan 06 13:50	1°♒38'41	
max. Earth dist.	6602 Jan 21 06:53	11°♒48'39	2.50736 AU
	6602 Feb 15 22:20	0°♓	
conjunction	6602 Feb 26 03:14	7°♓24'03	-1°03'32
minimum elong	6602 Feb 26 02:18	7°♓22'22	1°03'31
	6602 Mar 28 13:51	0°♈	
morning rise	6602 Apr 24 09:04	20°♈27'16	
	6602 May 06 16:58	0°♉	
	6602 Jun 14 01:20	0°♊	
	6602 Jul 22 11:20	0°♋	
asc. node	6602 Aug 21 18:24	23°♋09'55	
	6602 Aug 30 21:16	0°♌	
	6602 Oct 11 09:04	0°♍	
	6602 Nov 25 14:26	0°♎	
	6603 Jan 18 21:13	0°♏	
retrograde	6603 Mar 14 13:48	14°♏42'47	
min. Earth dist.	6603 Apr 21 23:31	5°♏35'59	0.66623 AU
opposition	6603 Apr 24 00:04	4°♏47'30	3°32'06
greatest brilliancy	6603 Apr 23 18:18	4°♏53'16	-1.3m
	6603 May 06 17:54	30°℞♎	
direct	6603 Jun 03 00:16	25°♎17'20	
	6603 Jul 03 02:32	0°♏	
desc. node	6603 Aug 17 17:47	18°♏20'54	
	6603 Sep 09 08:37	0°♐	
	6603 Oct 30 20:10	0°♑	
	6603 Dec 16 01:25	0°♒	
	6604 Jan 27 19:57	0°♓	
evening set	6604 Feb 25 07:53	21°♓03'41	
	6604 Mar 08 03:05	0°♈	
max. Earth dist.	6604 Mar 26 21:29	14°♈26'18	2.37825 AU
	6604 Apr 15 19:45	0°♉	
conjunction	6604 Apr 27 22:44	9°♉32'57	-0°46'16
minimum elong	6604 Apr 28 01:59	9°♉39'22	0°46'16
	6604 May 23 19:26	0°♊	
	6604 Jun 30 23:45	0°♋	
asc. node	6604 Jul 08 16:08	5°♋57'31	
morning rise	6604 Jul 09 04:54	6°♋22'11	
	6604 Aug 09 05:14	0°♌	
	6604 Sep 19 06:35	0°♍	
	6604 Nov 01 22:05	0°♎	
	6604 Dec 19 07:07	0°♏	
	6605 Feb 12 14:01	0°♐	
retrograde	6605 Apr 16 18:26	17°♐46'08	
opposition	6605 May 26 19:56	8°♐18'00	1°19'51
greatest brilliancy	6605 May 26 22:20	8°♐15'38	-1.3m
min. Earth dist.	6605 May 28 15:11	7°♐35'19	0.67672 AU
	6605 Jun 21 00:25	30°℞♏	
desc. node	6605 Jul 04 16:53	28°♏21'14	
direct	6605 Jul 07 06:41	28°♏18'46	
	6605 Jul 24 12:06	0°♐	
	6605 Oct 05 18:15	0°♑	
	6605 Nov 24 04:32	0°♒	
	6606 Jan 06 19:44	0°♓	
	6606 Feb 16 06:01	0°♈	
	6606 Mar 26 20:45	0°♉	
	6606 May 03 18:54	0°♊	
evening set	6606 May 04 00:26	0°♊10'56	
asc. node	6606 May 26 14:42	17°♊59'08	
	6606 Jun 11 00:24	0°♋	
conjunction	6606 Jul 12 07:52	23°♋56'53	0°31'14
minimum elong	6606 Jul 12 05:22	23°♋52'09	0°31'09
	6606 Jul 20 09:37	0°♌	
max. Earth dist.	6606 Aug 29 08:56	29°♌07'57	2.46537 AU
	6606 Aug 30 14:15	0°♍	
morning rise	6606 Sep 12 23:07	9°♍24'38	
	6606 Oct 13 00:29	0°♎	
	6606 Nov 27 22:54	0°♏	
	6607 Jan 16 00:43	0°♐	
	6607 Mar 12 08:44	0°♑	
desc. node	6607 May 22 15:08	21°♑49'30	
retrograde	6607 May 24 04:17	21°♑50'22	
opposition	6607 Jul 01 14:08	13°♑12'39	-1°28'47
greatest brilliancy	6607 Jul 01 20:40	13°♑06'23	-1.5m
min. Earth dist.	6607 Jul 07 02:41	11°♑05'40	0.62164 AU
direct	6607 Aug 11 20:46	3°♑15'15	
	6607 Oct 28 11:31	0°♒	
	6607 Dec 15 02:16	0°♓	
	6608 Jan 25 17:59	0°♈	
	6608 Mar 04 21:03	0°♉	
asc. node	6608 Apr 12 15:28	0°♊22'47	
	6608 Apr 12 03:50	0°♊	
	6608 May 20 18:59	0°♋	
	6608 Jun 29 15:49	0°♌	
evening set	6608 Jul 11 16:01	8°♌47'27	
	6608 Aug 10 08:21	0°♍	
conjunction	6608 Sep 06 20:08	19°♍00'54	1°06'41
minimum elong	6608 Sep 06 19:39	19°♍00'05	1°06'41
	6608 Sep 23 02:22	0°♎	
max. Earth dist.	6608 Oct 03 08:29	6°♎50'20	2.58787 AU
morning rise	6608 Oct 27 16:48	22°♎49'02	
	6608 Nov 07 19:29	0°♏	
	6608 Dec 25 06:40	0°♐	
	6609 Feb 12 15:42	0°♑	
	6609 Apr 06 15:18	0°♒	
desc. node	6609 Apr 08 13:28	1°♒01'06	
	6609 Jun 17 00:11	0°♓	
retrograde	6609 Jul 09 18:48	2°♓50'42	
	6609 Jul 31 01:31	30°℞♒	
opposition	6609 Aug 13 18:55	25°♒40'42	-4°46'11
greatest brilliancy	6609 Aug 15 04:12	25°♒11'19	-2.1m
min. Earth dist.	6609 Aug 22 03:59	22°♒43'55	0.50707 AU

direct	6609 Sep 21 06:18	16°♒52'39	
	6609 Nov 08 06:35	0°♓	
	6609 Dec 28 15:08	0°♈	
	6610 Feb 08 11:57	0°♉	
asc. node	6610 Feb 28 15:01	15°♉05'59	
	6610 Mar 20 07:22	0°♊	
	6610 Apr 29 03:32	0°♋	
	6610 Jun 09 03:01	0°♌	
	6610 Jul 21 19:39	0°♍	
evening set	6610 Aug 31 13:27	27°♍29'20	
	6610 Sep 04 08:29	0°♎	
conjunction	6610 Oct 19 09:29	29°♎19'59	0°56'50
minimum elong	6610 Oct 19 10:33	29°♎21'43	0°56'51
	6610 Oct 20 10:23	0°♏	
max. Earth dist.	6610 Oct 29 02:36	5°♏33'53	2.66089 AU
morning rise	6610 Dec 03 20:00	28°♏18'15	
	6610 Dec 06 12:15	0°♐	
	6611 Jan 23 01:58	0°♑	
desc. node	6611 Feb 24 11:48	20°♑19'49	
	6611 Mar 11 23:23	0°♒	
	6611 Apr 29 15:01	0°♓	
	6611 Jun 19 19:42	0°♈	
	6611 Aug 26 07:47	0°♉	
retrograde	6611 Sep 17 23:54	3°♉01'08	
	6611 Oct 10 09:58	30°℞♈	
opposition	6611 Oct 18 04:43	27°♈56'54	-5°39'54
greatest brilliancy	6611 Oct 19 07:10	27°♈38'39	-2.9m
min. Earth dist.	6611 Oct 22 19:17	26°♈40'44	0.38232 AU
direct	6611 Nov 18 14:42	22°♈22'36	
	6611 Dec 23 11:17	0°♉	
asc. node	6612 Jan 16 13:19	11°♉34'04	
	6612 Feb 16 09:27	0°♊	
	6612 Apr 01 15:48	0°♋	
	6612 May 15 22:20	0°♌	
	6612 Jun 29 21:53	0°♍	
	6612 Aug 15 00:50	0°♎	
	6612 Oct 01 01:30	0°♏	
evening set	6612 Oct 09 14:44	5°♏25'15	
	6612 Nov 17 09:28	0°♐	
max. Earth dist.	6612 Nov 19 16:07	1°♐26'46	2.67930 AU
conjunction	6612 Nov 23 23:00	4°♐10'11	0°24'57
minimum elong	6612 Nov 23 23:43	4°♐11'19	0°24'59
	6613 Jan 03 08:41	0°♑	
morning rise	6613 Jan 06 18:08	2°♑11'13	
desc. node	6613 Jan 11 10:06	5°♑11'54	
	6613 Feb 18 11:25	0°♒	
	6613 Apr 04 13:01	0°♓	
	6613 May 18 14:07	0°♈	
	6613 Jun 30 21:15	0°♉	
	6613 Aug 13 08:09	0°♊	
	6613 Sep 29 05:19	0°♋	
retrograde	6613 Dec 02 18:04	22°♋49'57	
asc. node	6613 Dec 03 13:27	22°♋49'40	
min. Earth dist.	6613 Dec 29 01:34	18°♋14'19	0.41021 AU
opposition	6614 Jan 05 15:20	15°♋50'41	2°12'06
greatest brilliancy	6614 Jan 04 22:30	16°♋04'02	-2.7m
direct	6614 Feb 05 11:02	10°♋03'03	
	6614 Apr 11 07:20	0°♌	
	6614 Jun 04 17:00	0°♍	
	6614 Jul 24 21:01	0°♎	
	6614 Sep 11 22:58	0°♏	
	6614 Oct 30 04:42	0°♐	
evening set	6614 Nov 14 22:22	9°♐56'23	
desc. node	6614 Nov 29 08:48	19°♐08'47	
max. Earth dist.	6614 Dec 13 00:11	27°♐55'45	2.64284 AU
	6614 Dec 16 04:53	0°♑	
conjunction	6614 Dec 29 22:08	8°♑56'59	-0°16'15
minimum elong	6614 Dec 29 21:37	8°♑56'09	0°16'11
	6615 Jan 30 13:59	0°♒	
morning rise	6615 Feb 13 07:27	9°♒18'49	
	6615 Mar 15 04:24	0°♓	
	6615 Apr 26 02:17	0°♈	
	6615 Jun 05 15:06	0°♉	
	6615 Jul 15 08:06	0°♊	
	6615 Aug 24 03:52	0°♋	
	6615 Oct 04 17:17	0°♌	
asc. node	6615 Oct 21 12:33	11°♌20'28	
	6615 Nov 21 03:05	0°♍	
retrograde	6616 Jan 22 19:08	20°♍48'20	
min. Earth dist.	6616 Feb 23 04:03	14°♍04'18	0.54480 AU
greatest brilliancy	6616 Feb 29 02:35	11°♍47'51	-1.9m
opposition	6616 Mar 01 09:13	11°♍18'22	5°00'24
direct	6616 Apr 06 01:43	3°♍21'00	
	6616 Jun 26 15:58	0°♎	
	6616 Aug 20 16:57	0°♏	
	6616 Oct 10 03:54	0°♐	
desc. node	6616 Oct 16 08:07	3°♐47'32	
	6616 Nov 26 21:24	0°♑	
evening set	6616 Dec 21 10:48	16°♑04'56	
max. Earth dist.	6617 Jan 07 22:52	27°♑50'04	2.55436 AU
	6617 Jan 11 03:19	0°♒	
conjunction	6617 Feb 07 10:46	18°♒54'48	-0°54'20
minimum elong	6617 Feb 07 09:24	18°♒52'25	0°54'17
	6617 Feb 23 01:14	0°♓	
morning rise	6617 Mar 31 13:55	26°♓43'58	
	6617 Apr 04 22:49	0°♈	
	6617 May 14 08:32	0°♉	
	6617 Jun 21 22:39	0°♊	
	6617 Jul 30 13:23	0°♋	
asc. node	6617 Sep 07 09:56	29°♋24'58	
	6617 Sep 08 04:52	0°♌	
	6617 Oct 20 04:39	0°♍	
	6617 Dec 06 02:33	0°♎	
	6618 Feb 14 15:43	0°♏	
retrograde	6618 Mar 01 02:25	1°♏18'14	
	6618 Mar 14 20:38	30°℞♎	
min. Earth dist.	6618 Apr 06 19:16	22°♎44'02	0.64432 AU
opposition	6618 Apr 10 07:52	21°♎19'34	4°11'50
greatest brilliancy	6618 Apr 09 19:40	21°♎31'46	-1.4m
direct	6618 May 19 09:21	12°♎08'09	
	6618 Jul 23 01:58	0°♏	
desc. node	6618 Sep 03 07:25	21°♏20'12	
	6618 Sep 18 18:44	0°♐	
	6618 Nov 07 14:23	0°♑	
	6618 Dec 23 08:47	0°♒	
evening set	6619 Feb 04 00:30	29°♒56'36	
	6619 Feb 04 02:23	0°♓	
max. Earth dist.	6619 Feb 19 14:44	11°♓20'41	2.42619 AU
	6619 Mar 16 12:07	0°♈	
conjunction	6619 Apr 01 23:12	12°♈36'14	-1°02'27
minimum elong	6619 Apr 02 00:46	12°♈39'15	1°02'27
	6619 Apr 24 08:10	0°♉	
	6619 Jun 01 10:17	0°♊	
morning rise	6619 Jun 08 17:48	5°♊46'15	
	6619 Jul 09 15:31	0°♋	
asc. node	6619 Jul 26 09:23	12°♋56'20	
	6619 Aug 17 20:58	0°♌	
	6619 Sep 27 23:20	0°♍	
	6619 Nov 10 22:23	0°♎	

	6619 Dec 29 15:36	0°♏	
	6620 Mar 03 04:08	0°♐	
retrograde	6620 Apr 03 09:47	5°♐15'58	
	6620 May 02 02:26	30°℞♏	
opposition	6620 May 13 17:56	25°♏34'32	2°15'22
greatest brilliancy	6620 May 13 18:51	25°♏33'36	-1.3m
min. Earth dist.	6620 May 14 01:22	25°♏27'08	0.68051 AU
direct	6620 Jun 23 18:56	15°♏43'38	
desc. node	6620 Jul 21 06:37	19°♏44'03	
	6620 Aug 18 23:22	0°♐	
	6620 Oct 15 16:03	0°♑	
	6620 Dec 02 08:56	0°♒	
	6621 Jan 14 13:19	0°♓	
	6621 Feb 23 21:15	0°♈	
	6621 Apr 03 12:03	0°♉	
evening set	6621 Apr 04 22:55	1°♉08'38	
	6621 May 11 10:03	0°♊	
asc. node	6621 Jun 12 08:45	25°♊09'08	
conjunction	6621 Jun 13 17:05	26°♊12'14	0°00'58
minimum elong	6621 Jun 13 17:01	26°♊12'05	0°00'55
behind sun begin	6621 Jun 12 11:08	25°♊13'47	
behind sun end	6621 Jun 14 22:54	27°♊10'20	
	6621 Jun 18 14:05	0°♋	
	6621 Jul 27 20:35	0°♌	
max. Earth dist.	6621 Aug 05 10:26	6°♌23'27	2.40967 AU
morning rise	6621 Aug 21 09:03	18°♌05'46	
	6621 Sep 06 22:11	0°♍	
	6621 Oct 20 07:40	0°♎	
	6621 Dec 05 13:23	0°♏	
	6622 Jan 24 23:34	0°♐	
	6622 Mar 28 17:37	0°♑	
retrograde	6622 May 08 22:14	8°♑22'18	
desc. node	6622 Jun 08 05:20	2°♑42'04	
	6622 Jun 15 12:01	30°℞♐	
opposition	6622 Jun 17 03:36	29°♐21'40	-0°19'19
greatest brilliancy	6622 Jun 17 04:41	29°♐20'37	-1.4m
min. Earth dist.	6622 Jun 21 05:43	27°♐46'14	0.65077 AU
direct	6622 Jul 28 17:07	19°♐18'41	
	6622 Sep 12 19:09	0°♑	
	6622 Nov 08 21:54	0°♒	
	6622 Dec 24 05:29	0°♓	
	6623 Feb 03 04:49	0°♈	
	6623 Mar 14 00:55	0°♉	
	6623 Apr 21 02:51	0°♊	
asc. node	6623 Apr 30 07:27	7°♊13'52	
	6623 May 29 12:50	0°♋	
evening set	6623 Jun 17 16:14	14°♋38'27	
	6623 Jul 08 03:47	0°♌	
conjunction	6623 Aug 18 19:23	0°♍09'12	0°59'58
minimum elong	6623 Aug 18 17:40	0°♍06'09	0°59'56
	6623 Aug 18 14:11	0°♍	
max. Earth dist.	6623 Sep 22 09:50	24°♍06'13	2.54491 AU
	6623 Oct 01 03:24	0°♎	
morning rise	6623 Oct 12 08:50	7°♎30'06	
	6623 Nov 15 19:58	0°♏	
	6624 Jan 02 16:36	0°♐	
	6624 Feb 22 11:14	0°♑	
	6624 Apr 20 20:25	0°♒	
desc. node	6624 Apr 25 03:32	1°♒51'11	
retrograde	6624 Jun 19 09:01	15°♒40'52	
opposition	6624 Jul 25 22:43	7°♒50'24	-3°28'33
greatest brilliancy	6624 Jul 26 20:12	7°♒30'36	-1.8m
min. Earth dist.	6624 Aug 02 10:56	5°♒04'22	0.55781 AU
	6624 Aug 19 12:15	30°℞♑	
direct	6624 Sep 03 23:01	28°♑22'07	
	6624 Sep 19 22:04	0°♒	
	6624 Nov 25 19:22	0°♓	
	6625 Jan 09 06:17	0°♈	
	6625 Feb 18 11:39	0°♉	
asc. node	6625 Mar 17 07:01	20°♉37'31	
	6625 Mar 29 10:22	0°♊	
	6625 May 07 14:57	0°♋	
	6625 Jun 17 00:56	0°♌	
	6625 Jul 29 05:47	0°♍	
evening set	6625 Aug 13 13:37	10°♍33'38	
	6625 Sep 11 09:26	0°♎	
conjunction	6625 Oct 03 22:14	14°♎51'45	1°04'14
minimum elong	6625 Oct 03 23:00	14°♎53'01	1°04'14
max. Earth dist.	6625 Oct 19 14:44	25°♎03'56	2.63884 AU
	6625 Oct 27 06:10	0°♏	
morning rise	6625 Nov 19 22:16	15°♏08'56	
	6625 Dec 13 09:21	0°♐	
	6626 Jan 30 10:44	0°♑	
desc. node	6626 Mar 13 02:28	25°♑28'31	
	6626 Mar 20 15:03	0°♒	
	6626 May 11 11:22	0°♓	
	6626 Jul 14 18:35	0°♈	
retrograde	6626 Aug 18 00:20	6°♈16'00	
opposition	6626 Sep 19 01:56	0°♈25'15	-6°11'47
	6626 Sep 20 10:39	30°℞♓	
greatest brilliancy	6626 Sep 20 19:57	29°♓52'48	-2.6m
min. Earth dist.	6626 Sep 26 22:41	28°♓00'42	0.42415 AU
direct	6626 Oct 23 14:31	23°♓26'49	
	6626 Nov 24 14:02	0°♈	
	6627 Jan 18 11:22	0°♉	
asc. node	6627 Feb 02 06:48	9°♉55'34	
	6627 Mar 02 22:34	0°♊	
	6627 Apr 13 19:39	0°♋	
	6627 May 26 06:00	0°♌	
	6627 Jul 09 01:08	0°♍	
	6627 Aug 23 09:19	0°♎	
evening set	6627 Sep 25 18:39	21°♎34'12	
	6627 Oct 08 22:49	0°♏	
conjunction	6627 Nov 11 01:13	21°♏03'56	0°38'59
minimum elong	6627 Nov 11 02:14	21°♏05'32	0°39'00
max. Earth dist.	6627 Nov 12 01:15	21°♏42'04	2.67876 AU
	6627 Nov 25 02:54	0°♐	
morning rise	6627 Dec 25 02:47	19°♐04'22	
	6628 Jan 11 05:45	0°♑	
desc. node	6628 Jan 29 01:18	11°♑24'56	
	6628 Feb 26 21:04	0°♒	
	6628 Apr 12 22:25	0°♓	
	6628 May 28 14:10	0°♈	
	6628 Jul 13 13:19	0°♉	
	6628 Aug 31 17:41	0°♊	
retrograde	6628 Nov 06 02:41	22°♊46'40	
min. Earth dist.	6628 Dec 03 02:50	18°♊20'52	0.37480 AU
opposition	6628 Dec 07 04:46	17°♊12'56	-0°58'23
greatest brilliancy	6628 Dec 07 02:20	17°♊14'38	-3.0m
asc. node	6628 Dec 20 05:16	13°♊56'37	
direct	6629 Jan 05 16:10	12°♊12'32	
	6629 Mar 05 14:00	0°♋	
	6629 Apr 27 14:10	0°♌	
	6629 Jun 15 03:27	0°♍	
	6629 Aug 02 03:55	0°♎	
	6629 Sep 19 05:30	0°♏	
evening set	6629 Oct 31 22:02	26°♏46'30	
	6629 Nov 06 00:35	0°♐	
max. Earth dist.	6629 Dec 03 17:15	17°♐36'44	2.66378 AU

conjunction	6629 Dec 15 16:22	25°♐17'53	0°00'10
minimum elong	6629 Dec 15 16:24	25°♐17'55	0°00'13
behind sun begin	6629 Dec 14 22:01	24°♐48'20	
behind sun end	6629 Dec 16 10:46	25°♐47'31	
desc. node	6629 Dec 15 23:16	25°♐28'57	
	6629 Dec 22 23:04	0°♑	
morning rise	6630 Jan 28 23:46	24°♑16'52	
	6630 Feb 06 13:37	0°♒	
	6630 Mar 22 15:19	0°♓	
	6630 May 04 04:40	0°♈	
	6630 Jun 14 11:37	0°♉	
	6630 Jul 25 01:01	0°♊	
	6630 Sep 04 00:15	0°♋	
	6630 Oct 18 01:01	0°♌	
asc. node	6630 Nov 07 05:03	11°♌59'34	
	6630 Dec 22 00:45	0°♍	
retrograde	6631 Jan 05 04:45	1°♍24'18	
	6631 Jan 18 22:34	30°℞♌	
min. Earth dist.	6631 Feb 03 04:17	25°♌34'14	0.49229 AU
greatest brilliancy	6631 Feb 10 01:08	23°♌04'01	-2.2m
opposition	6631 Feb 11 10:38	22°♌33'14	4°37'41
direct	6631 Mar 17 09:21	15°♌19'42	
	6631 May 11 17:25	0°♍	
	6631 Jul 09 06:24	0°♎	
	6631 Aug 30 01:10	0°♏	
	6631 Oct 18 09:52	0°♐	
desc. node	6631 Nov 02 22:03	9°♐40'51	
	6631 Dec 04 18:41	0°♑	
evening set	6631 Dec 07 09:41	1°♑42'07	
max. Earth dist.	6631 Dec 28 17:35	15°♑42'02	2.59505 AU
	6632 Jan 19 00:52	0°♒	
conjunction	6632 Jan 22 17:01	2°♒29'54	-0°41'04
minimum elong	6632 Jan 22 15:48	2°♒27'49	0°41'00
	6632 Mar 02 04:24	0°♓	
morning rise	6632 Mar 11 06:54	6°♓30'52	
	6632 Apr 12 10:15	0°♈	
	6632 May 22 04:51	0°♉	
	6632 Jun 30 03:07	0°♊	
	6632 Aug 08 01:12	0°♋	
	6632 Sep 17 02:20	0°♌	
asc. node	6632 Sep 24 04:40	5°♌09'00	
	6632 Oct 30 00:39	0°♍	
	6632 Dec 19 17:18	0°♎	
retrograde	6633 Feb 15 00:50	16°♎56'59	
min. Earth dist.	6633 Mar 21 19:37	9°♎00'49	0.61228 AU
opposition	6633 Mar 26 20:14	7°♎01'11	4°42'38
greatest brilliancy	6633 Mar 26 00:31	7°♎20'45	-1.6m
	6633 Apr 17 07:15	30°℞♍	
direct	6633 May 03 17:57	28°♍13'30	
	6633 May 21 09:52	0°♎	
	6633 Aug 04 14:06	0°♏	
desc. node	6633 Sep 19 21:27	25°♏41'43	
	6633 Sep 27 05:13	0°♐	
	6633 Nov 14 23:39	0°♑	
	6633 Dec 30 11:22	0°♒	
evening set	6634 Jan 16 08:32	11°♒38'00	
max. Earth dist.	6634 Jan 30 06:47	21°♒26'14	2.47902 AU
	6634 Feb 11 05:48	0°♓	
conjunction	6634 Mar 09 19:32	19°♓29'32	-1°05'54
minimum elong	6634 Mar 09 19:15	19°♓29'00	1°05'53
	6634 Mar 23 19:27	0°♈	
	6634 May 01 20:08	0°♉	
morning rise	6634 May 09 15:10	6°♉04'59	
	6634 Jun 09 02:12	0°♊	
greatest brilliancy	6634 Jun 28 20:53	15°♊31'58	1.2m
	6634 Jul 17 10:00	0°♋	
asc. node	6634 Aug 12 02:33	19°♋44'08	
	6634 Aug 25 17:24	0°♌	
	6634 Oct 05 23:54	0°♍	
	6634 Nov 19 13:28	0°♎	
	6635 Jan 09 20:05	0°♏	
retrograde	6635 Mar 22 04:46	22°♏36'22	
min. Earth dist.	6635 Apr 30 10:28	13°♏13'35	0.67403 AU
opposition	6635 May 01 15:07	12°♏44'59	3°05'34
greatest brilliancy	6635 May 01 12:16	12°♏47'50	-1.3m
direct	6635 Jun 11 01:14	3°♏06'29	
desc. node	6635 Aug 07 20:41	17°♏56'53	
	6635 Sep 02 07:09	0°♐	
	6635 Oct 25 09:56	0°♑	
	6635 Dec 11 02:42	0°♒	
	6636 Jan 23 01:03	0°♓	
	6636 Mar 03 08:41	0°♈	
evening set	6636 Mar 09 15:43	4°♈48'54	
	6636 Apr 11 00:41	0°♉	
conjunction	6636 May 14 11:23	26°♉26'04	-0°31'17
minimum elong	6636 May 14 14:21	26°♉31'55	0°31'17
	6636 May 18 23:28	0°♊	
max. Earth dist.	6636 May 27 21:39	7°♊03'36	2.36732 AU
	6636 Jun 26 02:59	0°♋	
asc. node	6636 Jun 29 00:44	2°♋15'35	
morning rise	6636 Jul 25 20:59	22°♋52'14	
	6636 Aug 04 07:55	0°♌	
	6636 Sep 14 08:10	0°♍	
	6636 Oct 27 19:33	0°♎	
	6636 Dec 13 14:47	0°♏	
	6637 Feb 04 09:36	0°♐	
retrograde	6637 Apr 24 16:10	25°♐29'19	
opposition	6637 Jun 03 11:20	16°♐10'04	0°44'45
greatest brilliancy	6637 Jun 03 13:19	16°♐08'07	-1.3m
min. Earth dist.	6637 Jun 06 02:09	15°♐08'19	0.67018 AU
desc. node	6637 Jun 24 19:40	8°♐45'01	
direct	6637 Jul 15 00:12	6°♐08'12	
	6637 Sep 28 05:27	0°♑	
	6637 Nov 18 11:38	0°♒	
	6638 Jan 01 15:19	0°♓	
	6638 Feb 11 06:02	0°♈	
	6638 Mar 21 22:40	0°♉	
greatest brilliancy	6638 Apr 26 04:17	27°♉50'16	1.2m
	6638 Apr 28 21:55	0°♊	
asc. node	6638 May 17 00:47	14°♊16'45	
evening set	6638 May 20 13:50	17°♊03'30	
	6638 Jun 06 04:18	0°♋	
	6638 Jul 15 14:32	0°♌	
conjunction	6638 Jul 26 19:42	8°♌18'26	0°44'29
minimum elong	6638 Jul 26 17:03	8°♌13'32	0°44'24
	6638 Aug 25 20:00	0°♍	
max. Earth dist.	6638 Sep 08 07:22	9°♍28'58	2.49500 AU
morning rise	6638 Sep 24 06:25	20°♍30'50	
	6638 Oct 08 05:48	0°♎	
	6638 Nov 23 00:20	0°♏	
	6639 Jan 10 12:07	0°♐	
	6639 Mar 04 14:00	0°♑	
desc. node	6639 May 12 18:35	28°♑03'47	
	6639 May 24 22:38	0°♒	
retrograde	6639 Jun 02 13:02	0°♒25'43	
	6639 Jun 10 20:50	30°℞♑	
opposition	6639 Jul 10 08:35	22°♑03'08	-2°11'36
greatest brilliancy	6639 Jul 10 19:45	21°♑52'33	-1.6m
min. Earth dist.	6639 Jul 16 15:07	19°♑40'24	0.60114 AU
direct	6639 Aug 20 06:56	12°♑12'41	

	6639 Oct 19 07:13	0°♒	
	6639 Dec 08 16:06	0°♓	
	6640 Jan 20 01:02	0°♈	
	6640 Feb 28 11:28	0°♉	
asc. node	6640 Apr 02 23:30	26°♉53'58	
	6640 Apr 06 22:50	0°♊	
	6640 May 15 17:39	0°♋	
	6640 Jun 24 18:01	0°♌	
evening set	6640 Jul 24 08:09	21°♌22'17	
	6640 Aug 05 13:46	0°♍	
conjunction	6640 Sep 17 03:15	29°♍08'41	1°07'21
minimum elong	6640 Sep 17 03:21	29°♍08'50	1°07'21
	6640 Sep 18 09:55	0°♎	
max. Earth dist.	6640 Oct 09 12:21	13°♎59'19	2.60825 AU
	6640 Nov 03 03:07	0°♏	
morning rise	6640 Nov 05 09:10	1°♏27'02	
	6640 Dec 20 10:00	0°♐	
	6641 Feb 07 04:46	0°♑	
desc. node	6641 Mar 29 16:53	29°♑36'35	
	6641 Mar 30 09:31	0°♒	
	6641 May 28 06:33	0°♓	
retrograde	6641 Jul 22 16:37	14°♓10'09	
opposition	6641 Aug 25 17:42	7°♓26'13	-5°26'14
greatest brilliancy	6641 Aug 27 08:44	6°♓52'58	-2.2m
min. Earth dist.	6641 Sep 03 07:43	4°♓32'00	0.47709 AU
	6641 Sep 21 05:52	30°℞♒	
direct	6641 Oct 02 00:15	29°♒10'23	
	6641 Oct 13 00:17	0°♓	
	6641 Dec 19 17:32	0°♈	
	6642 Feb 01 11:48	0°♉	
asc. node	6642 Feb 18 22:30	12°♉46'04	
	6642 Mar 14 02:37	0°♊	
	6642 Apr 23 10:52	0°♋	
	6642 Jun 03 19:31	0°♌	
	6642 Jul 16 19:31	0°♍	
	6642 Aug 30 13:47	0°♎	
evening set	6642 Sep 10 02:08	6°♎53'50	
	6642 Oct 15 18:50	0°♏	
conjunction	6642 Oct 27 19:48	7°♏42'29	0°51'00
minimum elong	6642 Oct 27 20:55	7°♏44'17	0°51'01
max. Earth dist.	6642 Nov 03 08:01	11°♏51'46	2.66972 AU
	6642 Dec 01 20:45	0°♐	
morning rise	6642 Dec 11 14:51	6°♐11'01	
	6643 Jan 18 05:35	0°♑	
desc. node	6643 Feb 14 15:18	17°♑21'22	
	6643 Mar 06 14:24	0°♒	
	6643 Apr 23 02:41	0°♓	
	6643 Jun 10 13:37	0°♈	
	6643 Aug 02 05:59	0°♉	
retrograde	6643 Oct 06 07:54	20°♉31'24	
opposition	6643 Nov 05 06:06	15°♉36'02	-4°25'47
greatest brilliancy	6643 Nov 05 17:08	15°♉28'42	-3.0m
min. Earth dist.	6643 Nov 06 21:08	15°♉10'06	0.37000 AU
direct	6643 Dec 05 05:17	10°♉33'05	
asc. node	6644 Jan 06 22:52	17°♉10'35	
	6644 Feb 03 13:59	0°♊	
	6644 Mar 24 10:51	0°♋	
	6644 May 09 10:09	0°♌	
	6644 Jun 24 07:25	0°♍	
	6644 Aug 09 23:01	0°♎	
	6644 Sep 26 07:05	0°♏	
evening set	6644 Oct 17 20:26	13°♏36'20	
	6644 Nov 12 18:30	0°♐	
max. Earth dist.	6644 Nov 24 18:25	7°♐37'12	2.67615 AU
conjunction	6644 Dec 01 20:44	12°♐08'23	0°16'04
minimum elong	6644 Dec 01 21:13	12°♐09'09	0°16'07
	6644 Dec 29 17:09	0°♑	
desc. node	6645 Jan 01 13:13	1°♑49'52	
morning rise	6645 Jan 14 16:36	10°♑21'07	
	6645 Feb 13 15:10	0°♒	
	6645 Mar 30 07:18	0°♓	
	6645 May 12 17:39	0°♈	
	6645 Jun 24 03:38	0°♉	
	6645 Aug 05 04:47	0°♊	
	6645 Sep 17 17:25	0°♋	
	6645 Nov 10 00:36	0°♌	
asc. node	6645 Nov 23 22:36	4°♌56'55	
retrograde	6645 Dec 15 19:32	8°♌15'38	
min. Earth dist.	6646 Jan 11 17:38	3°♌18'11	0.43778 AU
greatest brilliancy	6646 Jan 18 23:13	0°♌52'36	-2.5m
opposition	6646 Jan 20 02:07	0°♌29'55	3°25'26
	6646 Jan 21 13:53	30°℞♋	
direct	6646 Feb 21 00:15	24°♋10'24	
	6646 Mar 25 00:42	0°♌	
	6646 May 27 22:13	0°♍	
	6646 Jul 19 00:01	0°♎	
	6646 Sep 06 20:29	0°♏	
	6646 Oct 25 10:44	0°♐	
desc. node	6646 Nov 19 11:29	15°♐48'08	
evening set	6646 Nov 23 00:16	18°♐03'19	
	6646 Dec 11 13:52	0°♑	
max. Earth dist.	6646 Dec 18 14:42	4°♑34'23	2.62809 AU
conjunction	6647 Jan 07 07:32	17°♑32'08	-0°25'42
minimum elong	6647 Jan 07 06:44	17°♑30'48	0°25'38
	6647 Jan 25 22:12	0°♒	
morning rise	6647 Feb 22 13:52	18°♒56'40	
	6647 Mar 10 08:53	0°♓	
	6647 Apr 21 00:51	0°♈	
	6647 May 31 06:29	0°♉	
	6647 Jul 09 15:40	0°♊	
	6647 Aug 18 01:18	0°♋	
	6647 Sep 27 20:22	0°♌	
asc. node	6647 Oct 11 20:33	9°♌48'24	
	6647 Nov 11 18:32	0°♍	
	6648 Jan 18 20:57	0°♎	
retrograde	6648 Feb 01 00:04	1°♎09'24	
	6648 Feb 13 14:24	30°℞♍	
min. Earth dist.	6648 Mar 04 15:47	23°♍57'22	0.57120 AU
greatest brilliancy	6648 Mar 09 23:37	21°♍52'45	-1.8m
opposition	6648 Mar 11 02:49	21°♍26'08	4°59'57
direct	6648 Apr 16 15:25	13°♍08'36	
	6648 Jun 17 05:31	0°♎	
	6648 Aug 14 15:51	0°♏	
	6648 Oct 05 01:08	0°♐	
desc. node	6648 Oct 06 11:07	0°♐51'31	
	6648 Nov 22 02:49	0°♑	
evening set	6648 Dec 30 11:41	25°♑16'14	
	6649 Jan 06 11:07	0°♒	
max. Earth dist.	6649 Jan 15 08:48	6°♒05'44	2.52919 AU
conjunction	6649 Feb 17 18:29	29°♒35'06	-1°00'19
minimum elong	6649 Feb 17 17:17	29°♒32'57	1°00'17
	6649 Feb 18 08:22	0°♓	
	6649 Mar 31 03:35	0°♈	
morning rise	6649 Apr 13 12:03	10°♈05'37	
	6649 May 09 10:12	0°♉	
	6649 Jun 16 21:17	0°♊	
	6649 Jul 25 08:47	0°♋	
asc. node	6649 Aug 28 19:32	26°♋15'35	
	6649 Sep 02 19:46	0°♌	

	6649 Oct 14 10:18	0°♍	
	6649 Nov 29 02:41	0°♎	
	6650 Jan 25 11:57	0°♏	
retrograde	6650 Mar 08 21:33	9°♏33'53	
min. Earth dist.	6650 Apr 15 13:07	0°♏41'06	0.65762 AU
	6650 Apr 17 06:14	30°℞♎	
opposition	6650 Apr 18 05:54	29°♎36'19	3°49'42
greatest brilliancy	6650 Apr 17 21:26	29°♎44'47	-1.4m
direct	6650 May 27 20:22	20°♎14'02	
	6650 Jul 12 03:20	0°♏	
desc. node	6650 Aug 24 10:54	19°♏42'48	
	6650 Sep 12 15:47	0°♐	
	6650 Nov 02 10:32	0°♑	
	6650 Dec 18 12:25	0°♒	
	6651 Jan 30 08:00	0°♓	
evening set	6651 Feb 15 17:40	12°♓00'07	
max. Earth dist.	6651 Mar 08 12:09	27°♓33'29	2.39799 AU
	6651 Mar 11 17:20	0°♈	
conjunction	6651 Apr 16 17:31	27°♈49'33	-0°54'57
minimum elong	6651 Apr 16 20:13	27°♈54'51	0°54'57
	6651 Apr 19 12:07	0°♉	
	6651 May 27 13:06	0°♊	
morning rise	6651 Jun 26 13:29	23°♊37'41	
	6651 Jul 04 17:25	0°♋	
asc. node	6651 Jul 16 17:52	9°♋18'51	
	6651 Aug 12 21:53	0°♌	
	6651 Sep 22 22:11	0°♍	
	6651 Nov 05 14:23	0°♎	
	6651 Dec 23 08:23	0°♏	
	6652 Feb 18 22:49	0°♐	
retrograde	6652 Apr 11 01:07	12°♐54'47	
opposition	6652 May 21 05:39	3°♐20'15	1°43'27
greatest brilliancy	6652 May 21 07:40	3°♐18'14	-1.3m
min. Earth dist.	6652 May 22 08:43	2°♐53'24	0.67966 AU
	6652 May 29 19:43	30°℞♏	
direct	6652 Jul 01 12:17	23°♏24'13	
desc. node	6652 Jul 11 10:01	23°♏58'43	
	6652 Aug 06 12:22	0°♐	
	6652 Oct 09 08:53	0°♑	
	6652 Nov 27 01:48	0°♒	
	6653 Jan 09 13:38	0°♓	
	6653 Feb 18 23:48	0°♈	
	6653 Mar 29 14:57	0°♉	
evening set	6653 Apr 21 03:01	17°♉47'14	
	6653 May 06 13:00	0°♊	
asc. node	6653 Jun 02 16:03	21°♊22'46	
	6653 Jun 13 17:14	0°♋	
conjunction	6653 Jun 30 06:09	12°♋45'52	0°19'07
minimum elong	6653 Jun 30 04:19	12°♋42'22	0°19'02
	6653 Jul 23 00:13	0°♌	
max. Earth dist.	6653 Aug 20 09:39	20°♌53'42	2.44051 AU
	6653 Sep 02 02:15	0°♍	
morning rise	6653 Sep 03 14:50	1°♍05'01	
	6653 Oct 15 10:27	0°♎	
	6653 Nov 30 10:01	0°♏	
	6654 Jan 18 21:42	0°♐	
	6654 Mar 17 07:27	0°♑	
retrograde	6654 May 17 12:13	16°♑27'02	
desc. node	6654 May 29 08:34	15°♑34'22	
opposition	6654 Jun 25 06:55	7°♑38'28	-0°59'08
greatest brilliancy	6654 Jun 25 10:45	7°♑34'46	-1.5m
min. Earth dist.	6654 Jun 30 03:52	5°♑45'29	0.63593 AU
	6654 Jul 17 15:56	30°℞♐	
direct	6654 Aug 05 16:58	27°♐37'34	
	6654 Aug 25 20:41	0°♑	
	6654 Nov 01 23:12	0°♒	
	6654 Dec 18 12:39	0°♓	
	6655 Jan 28 21:43	0°♈	
	6655 Mar 08 21:51	0°♉	
	6655 Apr 16 02:14	0°♊	
asc. node	6655 Apr 20 16:35	3°♊36'41	
	6655 May 24 14:12	0°♋	
evening set	6655 Jul 02 05:22	29°♋12'24	
	6655 Jul 03 07:05	0°♌	
	6655 Aug 13 19:32	0°♍	
conjunction	6655 Aug 30 12:25	11°♍40'03	1°04'47
minimum elong	6655 Aug 30 11:25	11°♍38'19	1°04'46
	6655 Sep 26 09:52	0°♎	
max. Earth dist.	6655 Sep 29 13:58	2°♎07'35	2.56963 AU
morning rise	6655 Oct 21 21:06	16°♎53'46	
	6655 Nov 11 01:27	0°♏	
	6655 Dec 28 15:12	0°♐	
	6656 Feb 16 11:44	0°♑	
	6656 Apr 11 03:56	0°♒	
desc. node	6656 Apr 15 07:05	2°♒03'08	
retrograde	6656 Jun 30 13:24	25°♒36'56	
opposition	6656 Aug 05 07:20	18°♒07'35	-4°13'20
greatest brilliancy	6656 Aug 06 11:28	17°♒42'11	-2.0m
min. Earth dist.	6656 Aug 13 08:12	15°♒13'53	0.53056 AU
direct	6656 Sep 13 12:28	8°♒59'00	
	6656 Nov 16 07:51	0°♓	
	6657 Jan 02 09:28	0°♈	
	6657 Feb 12 10:23	0°♉	
asc. node	6657 Mar 07 16:25	17°♉39'58	
	6657 Mar 23 19:23	0°♊	
	6657 May 02 07:14	0°♋	
	6657 Jun 11 23:02	0°♌	
	6657 Jul 24 08:53	0°♍	
evening set	6657 Aug 24 01:00	20°♍53'56	
	6657 Sep 06 16:06	0°♎	
conjunction	6657 Oct 12 21:49	23°♎44'12	1°00'21
minimum elong	6657 Oct 12 22:49	23°♎45'49	1°00'22
	6657 Oct 22 14:41	0°♏	
max. Earth dist.	6657 Oct 25 04:24	1°♏39'18	2.65208 AU
morning rise	6657 Nov 27 23:03	23°♏12'49	
	6657 Dec 08 16:22	0°♐	
	6658 Jan 25 10:23	0°♑	
desc. node	6658 Mar 03 05:16	22°♑51'19	
	6658 Mar 14 19:47	0°♒	
	6658 May 03 14:47	0°♓	
	6658 Jun 27 03:20	0°♈	
retrograde	6658 Sep 03 23:20	21°♈09'24	
opposition	6658 Oct 04 20:28	15°♈47'22	-6°07'05
greatest brilliancy	6658 Oct 06 08:40	15°♈21'09	-2.7m
min. Earth dist.	6658 Oct 11 06:54	13°♈56'02	0.39855 AU
direct	6658 Nov 06 15:47	9°♈37'17	
	6659 Jan 06 07:30	0°♉	
asc. node	6659 Jan 23 14:48	10°♉17'44	
	6659 Feb 22 17:21	0°♊	
	6659 Apr 07 02:51	0°♋	
	6659 May 20 09:48	0°♌	
	6659 Jul 03 18:31	0°♍	
	6659 Aug 18 11:28	0°♎	
evening set	6659 Oct 04 08:15	0°♏03'04	
	6659 Oct 04 06:19	0°♏	
max. Earth dist.	6659 Nov 17 03:34	27°♏52'02	2.68010 AU
conjunction	6659 Nov 19 01:05	29°♏04'15	0°30'58
minimum elong	6659 Nov 19 01:57	29°♏05'37	0°31'00
	6659 Nov 20 12:13	0°♐	

morning rise	6660 Jan 01 21:35	27°♐01'20	
	6660 Jan 06 13:01	0°♑	
desc. node	6660 Jan 19 03:38	8°♑06'28	
	6660 Feb 21 21:32	0°♒	
	6660 Apr 07 09:18	0°♓	
	6660 May 22 02:03	0°♈	
	6660 Jul 05 08:34	0°♉	
	6660 Aug 19 12:18	0°♊	
	6660 Oct 11 03:39	0°♋	
retrograde	6660 Nov 21 16:52	10°♋37'37	
asc. node	6660 Dec 10 14:42	8°♋11'43	
min. Earth dist.	6660 Dec 17 22:54	6°♋12'55	0.39129 AU
opposition	6660 Dec 24 08:02	4°♋18'41	0°58'36
greatest brilliancy	6660 Dec 24 01:20	4°♋23'43	-2.9m
	6661 Jan 10 18:07	30℞♊	
direct	6661 Jan 23 09:53	28°♊55'27	
	6661 Feb 05 07:16	0°♋	
	6661 Apr 18 10:27	0°♌	
	6661 Jun 08 14:59	0°♍	
	6661 Jul 27 17:07	0°♎	
	6661 Sep 14 07:27	0°♏	
	6661 Nov 01 08:28	0°♐	
evening set	6661 Nov 08 22:21	4°♐47'04	
desc. node	6661 Dec 06 02:17	22°♐05'44	
max. Earth dist.	6661 Dec 09 00:56	23°♐59'20	2.65321 AU
	6661 Dec 18 08:18	0°♑	
conjunction	6661 Dec 23 18:26	3°♑31'08	-0°09'26
minimum elong	6661 Dec 23 18:08	3°♑30'40	0°09'23
behind sun begin	6661 Dec 23 02:41	3°♑05'33	
behind sun end	6661 Dec 24 09:36	3°♑55'47	
	6662 Feb 01 20:35	0°♒	
morning rise	6662 Feb 06 14:10	3°♒11'04	
	6662 Mar 17 16:37	0°♓	
	6662 Apr 28 21:54	0°♈	
	6662 Jun 08 18:41	0°♉	
	6662 Jul 18 20:07	0°♊	
	6662 Aug 28 01:28	0°♋	
	6662 Oct 09 08:40	0°♌	
asc. node	6662 Oct 28 14:34	12°♌30'26	
	6662 Nov 28 19:32	0°♍	
retrograde	6663 Jan 15 11:30	13°♍14'29	
min. Earth dist.	6663 Feb 14 18:59	6°♍53'38	0.52188 AU
greatest brilliancy	6663 Feb 21 03:33	4°♍30'06	-2.0m
opposition	6663 Feb 22 12:16	3°♍59'07	4°55'40
	6663 Mar 05 23:02	30℞♌	
direct	6663 Mar 29 10:21	26°♌20'10	
	6663 Apr 23 19:37	0°♍	
	6663 Jul 02 01:14	0°♎	
	6663 Aug 24 12:30	0°♏	
	6663 Oct 13 12:01	0°♐	
desc. node	6663 Oct 24 01:38	6°♐32'13	
	6663 Nov 30 02:29	0°♑	
evening set	6663 Dec 15 20:58	10°♑16'16	
max. Earth dist.	6664 Jan 04 01:47	23°♑01'23	2.57342 AU
	6664 Jan 14 09:42	0°♒	
conjunction	6664 Feb 01 00:46	12°♒06'04	-0°49'07
minimum elong	6664 Jan 31 23:26	12°♒03'45	0°49'04
	6664 Feb 26 11:05	0°♓	
morning rise	6664 Mar 22 09:49	18°♓03'47	
	6664 Apr 07 13:09	0°♈	
	6664 May 17 03:08	0°♉	
	6664 Jun 24 20:51	0°♊	
	6664 Aug 02 14:12	0°♋	
	6664 Sep 11 08:13	0°♌	
asc. node	6664 Sep 14 11:41	2°♌18'44	
	6664 Oct 23 14:17	0°♍	
	6664 Dec 10 12:56	0°♎	
retrograde	6665 Feb 23 04:21	25°♎46'32	
min. Earth dist.	6665 Mar 31 00:54	17°♎28'41	0.63123 AU
opposition	6665 Apr 04 05:50	15°♎48'04	4°26'15
greatest brilliancy	6665 Apr 03 14:21	16°♎03'30	-1.5m
direct	6665 May 12 19:22	6°♎46'41	
	6665 Jul 27 20:41	0°♏	
desc. node	6665 Sep 10 01:10	23°♏22'01	
	6665 Sep 21 15:21	0°♐	
	6665 Nov 10 00:55	0°♑	
	6665 Dec 25 17:53	0°♒	
evening set	6666 Jan 26 15:24	22°♒11'00	
	6666 Feb 06 13:10	0°♓	
max. Earth dist.	6666 Feb 09 19:42	2°♓22'01	2.44994 AU
	6666 Mar 19 01:41	0°♈	
conjunction	6666 Mar 22 09:51	2°♈32'05	-1°05'19
minimum elong	6666 Mar 22 10:32	2°♈33'23	1°05'19
	6666 Apr 27 00:13	0°♉	
morning rise	6666 May 26 03:30	22°♉53'10	
	6666 Jun 04 04:05	0°♊	
	6666 Jul 12 09:54	0°♋	
asc. node	6666 Aug 02 10:46	16°♋13'51	
	6666 Aug 20 14:56	0°♌	
	6666 Sep 30 17:17	0°♍	
	6666 Nov 13 19:23	0°♎	
	6667 Jan 02 06:07	0°♏	
	6667 Mar 21 18:16	0°♐	
retrograde	6667 Mar 29 19:07	0°♐23'36	
	6667 Apr 06 13:55	30℞♏	
opposition	6667 May 09 04:22	20°♏37'08	2°36'52
greatest brilliancy	6667 May 09 03:52	20°♏37'38	-1.3m
min. Earth dist.	6667 May 08 19:22	20°♏46'07	0.67894 AU
direct	6667 Jun 18 23:07	10°♏51'21	
desc. node	6667 Jul 29 00:08	18°♏44'52	
	6667 Aug 25 04:12	0°♐	
	6667 Oct 19 17:08	0°♑	
	6667 Dec 06 01:00	0°♒	
	6668 Jan 18 04:11	0°♓	
	6668 Feb 27 13:10	0°♈	
evening set	6668 Mar 24 00:17	19°♈39'20	
	6668 Apr 06 05:03	0°♉	
	6668 May 14 03:27	0°♊	
conjunction	6668 May 31 11:01	13°♊41'00	-0°13'28
minimum elong	6668 May 31 12:28	13°♊43'51	0°13'29
behind sun begin	6668 May 30 19:34	13°♊10'34	
behind sun end	6668 Jun 01 05:21	14°♊17'07	
asc. node	6668 Jun 19 10:34	28°♊33'56	
	6668 Jun 21 06:45	0°♋	
max. Earth dist.	6668 Jul 19 11:45	21°♋42'20	2.38654 AU
	6668 Jul 30 11:23	0°♌	
morning rise	6668 Aug 10 07:40	8°♌05'13	
	6668 Sep 09 10:52	0°♍	
	6668 Oct 22 19:10	0°♎	
	6668 Dec 08 03:56	0°♏	
	6669 Jan 28 07:05	0°♐	
	6669 Apr 08 01:50	0°♑	
retrograde	6669 May 02 17:54	3°♑17'59	
	6669 May 25 13:26	30℞♐	
opposition	6669 Jun 11 05:35	24°♐08'29	0°07'56
greatest brilliancy	6669 Jun 11 06:07	24°♐07'57	-1.4m
desc. node	6669 Jun 14 22:47	22°♐41'13	
min. Earth dist.	6669 Jun 14 15:38	22°♐48'11	0.66074 AU
direct	6669 Jul 22 19:12	14°♐05'15	
	6669 Sep 19 06:38	0°♑	

	6669 Nov 12 10:50	0°♒	
	6669 Dec 27 06:54	0°♓	
	6670 Feb 06 03:25	0°♈	
	6670 Mar 16 22:20	0°♉	
	6670 Apr 23 23:00	0°♊	
asc. node	6670 May 07 09:11	10°♊34'21	
	6670 Jun 01 06:51	0°♋	
evening set	6670 Jun 05 17:08	3°♋25'14	
	6670 Jul 10 18:35	0°♌	
conjunction	6670 Aug 09 05:28	21°♌33'09	0°54'32
minimum elong	6670 Aug 09 03:14	21°♌29'08	0°54'28
	6670 Aug 21 01:28	0°♍	
max. Earth dist.	6670 Sep 16 19:36	18°♍39'57	2.52331 AU
	6670 Oct 03 11:35	0°♎	
morning rise	6670 Oct 04 19:34	0°♎53'49	
	6670 Nov 18 03:22	0°♏	
	6671 Jan 05 04:12	0°♐	
	6671 Feb 25 16:57	0°♑	
	6671 Apr 29 05:20	0°♒	
desc. node	6671 May 02 21:11	1°♒19'35	
retrograde	6671 Jun 12 09:53	9°♒24'09	
opposition	6671 Jul 19 13:37	1°♒18'15	-2°55'34
greatest brilliancy	6671 Jul 20 06:18	1°♒02'38	-1.7m
	6671 Jul 23 00:57	30°℞♑	
min. Earth dist.	6671 Jul 26 12:37	28°♑42'00	0.57833 AU
direct	6671 Aug 29 00:40	21°♑38'10	
	6671 Oct 06 14:21	0°♒	
	6671 Dec 01 14:48	0°♓	
	6672 Jan 14 01:43	0°♈	
	6672 Feb 22 22:07	0°♉	
asc. node	6672 Mar 24 08:16	23°♉33'57	
	6672 Apr 01 15:05	0°♊	
	6672 May 10 14:20	0°♋	
	6672 Jun 19 18:34	0°♌	
	6672 Jul 31 17:57	0°♍	
evening set	6672 Aug 05 02:51	3°♍02'38	
	6672 Sep 13 16:52	0°♎	
conjunction	6672 Sep 26 21:24	8°♎45'31	1°06'07
minimum elong	6672 Sep 26 21:56	8°♎46'24	1°06'08
max. Earth dist.	6672 Oct 15 10:13	20°♎54'40	2.62618 AU
	6672 Oct 29 10:56	0°♏	
morning rise	6672 Nov 13 19:07	9°♏50'51	
	6672 Dec 15 14:38	0°♐	
	6673 Feb 01 22:16	0°♑	
desc. node	6673 Mar 19 19:55	27°♑38'43	
	6673 Mar 23 20:08	0°♒	
	6673 May 16 20:15	0°♓	
retrograde	6673 Aug 05 21:55	26°♓36'33	
opposition	6673 Sep 07 22:05	20°♓21'27	-5°57'31
greatest brilliancy	6673 Sep 09 16:31	19°♓47'05	-2.4m
min. Earth dist.	6673 Sep 16 08:35	17°♓38'49	0.44732 AU
direct	6673 Oct 13 18:55	12°♓45'48	
	6673 Dec 07 20:50	0°♈	
	6674 Jan 24 13:40	0°♉	
asc. node	6674 Feb 09 08:19	11°♉06'08	
	6674 Mar 07 11:20	0°♊	
	6674 Apr 17 12:53	0°♋	
	6674 May 29 09:21	0°♌	
	6674 Jul 11 18:04	0°♍	
	6674 Aug 25 18:32	0°♎	
evening set	6674 Sep 19 03:54	15°♎51'58	
	6674 Oct 11 03:25	0°♏	
conjunction	6674 Nov 05 00:30	15°♏52'29	0°44'15
minimum elong	6674 Nov 05 01:36	15°♏54'13	0°44'17
max. Earth dist.	6674 Nov 08 12:06	18°♏05'24	2.67576 AU
	6674 Nov 27 06:00	0°♐	
morning rise	6674 Dec 19 08:23	14°♐01'46	
	6675 Jan 13 11:17	0°♑	
desc. node	6675 Feb 04 18:33	14°♑13'24	
	6675 Mar 01 09:58	0°♒	
	6675 Apr 17 01:08	0°♓	
	6675 Jun 02 17:39	0°♈	
	6675 Jul 20 17:31	0°♉	
	6675 Sep 15 04:51	0°♊	
retrograde	6675 Oct 24 17:42	9°♊04'58	
min. Earth dist.	6675 Nov 22 07:06	4°♊23'42	0.36827 AU
opposition	6675 Nov 23 22:37	3°♊57'22	-2°34'08
greatest brilliancy	6675 Nov 23 22:08	3°♊57'42	-3.0m
	6675 Dec 11 09:14	30°℞♉	
direct	6675 Dec 23 06:16	29°♉04'41	
asc. node	6675 Dec 28 06:54	29°♉14'39	
	6676 Jan 04 03:51	0°♊	
	6676 Mar 14 09:28	0°♋	
	6676 May 02 07:49	0°♌	
	6676 Jun 18 11:36	0°♍	
	6676 Aug 04 19:26	0°♎	
	6676 Sep 21 12:28	0°♏	
evening set	6676 Oct 25 22:03	21°♏37'57	
	6676 Nov 08 03:57	0°♐	
max. Earth dist.	6676 Nov 29 21:39	13°♐48'39	2.67039 AU
conjunction	6676 Dec 09 17:46	20°♐06'06	0°06'53
minimum elong	6676 Dec 09 17:59	20°♐06'27	0°06'56
behind sun begin	6676 Dec 09 01:03	19°♐39'20	
behind sun end	6676 Dec 10 10:56	20°♐33'35	
desc. node	6676 Dec 22 16:29	28°♐25'41	
	6676 Dec 25 02:53	0°♑	
morning rise	6677 Jan 22 18:18	18°♑40'09	
	6677 Feb 08 21:23	0°♒	
	6677 Mar 25 05:49	0°♓	
	6677 May 07 04:34	0°♈	
	6677 Jun 17 22:31	0°♉	
	6677 Jul 29 01:15	0°♊	
	6677 Sep 08 19:57	0°♋	
	6677 Oct 25 00:03	0°♌	
asc. node	6677 Nov 14 06:21	10°♌43'41	
retrograde	6677 Dec 27 19:33	22°♌20'58	
min. Earth dist.	6678 Jan 24 18:27	16°♌55'05	0.46777 AU
greatest brilliancy	6678 Jan 31 21:23	14°♌24'15	-2.3m
opposition	6678 Feb 02 05:40	13°♌55'31	4°14'57
direct	6678 Mar 07 07:45	7°♌04'53	
	6678 May 18 15:58	0°♍	
	6678 Jul 12 18:30	0°♎	
	6678 Sep 01 15:25	0°♏	
	6678 Oct 20 16:00	0°♐	
desc. node	6678 Nov 09 15:12	12°♐31'28	
evening set	6678 Dec 01 04:06	26°♐15'47	
	6678 Dec 06 23:00	0°♑	
max. Earth dist.	6678 Dec 24 09:55	11°♑23'24	2.61087 AU
conjunction	6679 Jan 15 22:45	26°♑23'15	-0°34'48
minimum elong	6679 Jan 15 21:41	26°♑21'28	0°34'45
	6679 Jan 21 07:13	0°♒	
morning rise	6679 Mar 04 08:33	29°♒06'23	
	6679 Mar 05 14:51	0°♓	
	6679 Apr 16 02:05	0°♈	
	6679 May 26 02:00	0°♉	
	6679 Jul 04 04:56	0°♊	
	6679 Aug 12 07:14	0°♋	
	6679 Sep 21 13:33	0°♌	
asc. node	6679 Oct 02 06:09	7°♌40'10	

	6679 Nov 04	01:27	0°♍		
	6679 Dec 27	20:01	0°♎		
retrograde	6680 Feb 09	17:58	10°♎52'00		
min. Earth dist.	6680 Mar 14	14:26	3°♎14'51	0.59495 AU	
greatest brilliancy	6680 Mar 19	07:45	1°♎23'05	-1.7m	
opposition	6680 Mar 20	06:57	1°♎00'09	4°52'16	
	6680 Mar 22	20:24	30°℞♍		
direct	6680 Apr 26	14:13	22°♍25'15		
	6680 Jun 04	08:00	0°♎		
	6680 Aug 08	04:18	0°♏		
desc. node	6680 Sep 26	14:38	28°♏05'57		
	6680 Sep 29	19:14	0°♐		
	6680 Nov 17	07:20	0°♑		
	6681 Jan 01	18:57	0°♒		
evening set	6681 Jan 08	21:19	4°♒51'07		
max. Earth dist.	6681 Jan 23	12:32	14°♒59'55	2.50205 AU	
	6681 Feb 13	15:45	0°♓		
conjunction	6681 Feb 28	18:40	10°♓58'40	-1°04'25	
minimum elong	6681 Feb 28	17:52	10°♓57'13	1°04'24	
	6681 Mar 26	08:54	0°♈		
morning rise	6681 Apr 27	16:13	24°♈41'03		
	6681 May 04	12:47	0°♉		
	6681 Jun 11	21:08	0°♊		
	6681 Jul 20	06:13	0°♋		
asc. node	6681 Aug 19	04:06	22°♋55'23		
	6681 Aug 28	14:03	0°♌		
	6681 Oct 08	21:50	0°♍		
	6681 Nov 22	18:24	0°♎		
	6682 Jan 14	15:31	0°♏		
retrograde	6682 Mar 16	13:48	17°♏36'07		
min. Earth dist.	6682 Apr 24	02:18	8°♏26'31	0.66788 AU	
opposition	6682 Apr 25	23:28	7°♏41'21	3°24'46	
greatest brilliancy	6682 Apr 25	18:19	7°♏46'30	-1.3m	
	6682 May 19	02:58	30°℞♎		
direct	6682 Jun 05	01:15	28°♎09'45		
	6682 Jun 23	06:17	0°♏		
desc. node	6682 Aug 14	13:45	18°♏42'50		
	6682 Sep 06	00:23	0°♐		
	6682 Oct 28	03:00	0°♑		
	6682 Dec 13	14:56	0°♒		
	6683 Jan 25	13:25	0°♓		
evening set	6683 Feb 28	06:26	24°♓55'49		
	6683 Mar 06	22:56	0°♈		
max. Earth dist.	6683 Apr 04	18:49	22°♈14'27	2.37440 AU	
	6683 Apr 14	16:41	0°♉		
conjunction	6683 May 02	12:52	14°♉03'33	-0°43'04	
minimum elong	6683 May 02	16:09	14°♉10'01	0°43'04	
	6683 May 22	16:23	0°♊		
	6683 Jun 29	19:47	0°♋		
asc. node	6683 Jul 07	02:03	5°♋38'30		
morning rise	6683 Jul 13	23:39	10°♋58'28		
	6683 Aug 07	23:27	0°♌		
	6683 Sep 17	22:07	0°♍		
	6683 Oct 31	09:28	0°♎		
	6683 Dec 17	10:34	0°♏		
	6684 Feb 09	13:59	0°♐		
retrograde	6684 Apr 18	19:55	20°♐36'23		
opposition	6684 May 28	19:12	11°♐09'50	1°09'40	
greatest brilliancy	6684 May 28	21:29	11°♐07'35	-1.3m	
min. Earth dist.	6684 May 30	17:37	10°♐23'59	0.67565 AU	
desc. node	6684 Jul 01	12:38	1°♐32'43		
direct	6684 Jul 09	05:32	1°♐10'08		
	6684 Oct 02	09:33	0°♑		
	6684 Nov 21	12:51	0°♒		
	6685 Jan 04	10:56	0°♓		
	6685 Feb 14	00:52	0°♈		
	6685 Mar 24	17:24	0°♉		
	6685 May 01	16:00	0°♊		
evening set	6685 May 07	16:08	4°♊44'52		
asc. node	6685 May 24	02:03	17°♊40'34		
	6685 Jun 08	20:51	0°♋		
conjunction	6685 Jul 15	16:06	28°♋06'55	0°34'44	
minimum elong	6685 Jul 15	13:28	28°♋01'58	0°34'40	
	6685 Jul 18	04:30	0°♌		
	6685 Aug 28	06:56	0°♍		
max. Earth dist.	6685 Sep 01	02:10	2°♍41'55	2.47094 AU	
morning rise	6685 Sep 15	16:20	12°♍56'18		
	6685 Oct 10	14:25	0°♎		
	6685 Nov 25	09:08	0°♏		
	6686 Jan 13	03:59	0°♐		
	6686 Mar 08	13:30	0°♑		
desc. node	6686 May 19	11:56	24°♑31'38		
retrograde	6686 May 26	12:08	24°♑48'50		
opposition	6686 Jul 03	18:14	16°♑13'54	-1°40'38	
greatest brilliancy	6686 Jul 04	01:50	16°♑06'37	-1.6m	
min. Earth dist.	6686 Jul 09	09:27	14°♑04'25	0.61777 AU	
direct	6686 Aug 13	22:17	6°♑17'41		
	6686 Oct 24	21:42	0°♒		
	6686 Dec 12	09:46	0°♓		
	6687 Jan 23	08:33	0°♈		
	6687 Mar 03	14:43	0°♉		
	6687 Apr 10	22:42	0°♊		
asc. node	6687 Apr 11	01:00	0°♊04'30		
	6687 May 19	13:50	0°♋		
	6687 Jun 28	09:44	0°♌		
evening set	6687 Jul 15	16:25	12°♌37'36		
	6687 Aug 09	00:47	0°♍		
conjunction	6687 Sep 10	08:26	22°♍20'03	1°07'03	
minimum elong	6687 Sep 10	08:06	22°♍19'28	1°07'02	
	6687 Sep 21	16:57	0°♎		
max. Earth dist.	6687 Oct 06	01:48	9°♎34'49	2.59192 AU	
morning rise	6687 Oct 30	20:41	25°♎48'57		
	6687 Nov 06	08:03	0°♏		
	6687 Dec 23	16:35	0°♐		
	6688 Feb 10	20:29	0°♑		
	6688 Apr 03	05:23	0°♒		
desc. node	6688 Apr 05	10:27	1°♒11'39		
	6688 Jun 07	19:03	0°♓		
retrograde	6688 Jul 12	14:26	6°♓15'01		
	6688 Aug 14	00:50	30°℞♒		
opposition	6688 Aug 16	11:04	29°♒09'31	-4°56'18	
greatest brilliancy	6688 Aug 17	21:45	28°♒39'05	-2.1m	
min. Earth dist.	6688 Aug 24	22:08	26°♒12'22	0.50136 AU	
direct	6688 Sep 23	16:37	20°♒27'09		
	6688 Nov 02	19:02	0°♓		
	6688 Dec 25	13:28	0°♈		
	6689 Feb 05	21:17	0°♉		
asc. node	6689 Feb 25	23:32	14°♉59'56		
	6689 Mar 17	20:33	0°♊		
	6689 Apr 26	18:03	0°♋		
	6689 Jun 06	17:37	0°♌		
	6689 Jul 19	09:45	0°♍		
	6689 Sep 01	21:53	0°♎		
evening set	6689 Sep 02	22:57	0°♎41'26		
	6689 Oct 17	23:07	0°♏		
conjunction	6689 Oct 21	13:06	2°♏18'05	0°55'15	
minimum elong	6689 Oct 21	14:12	2°♏19'52	0°55'17	
max. Earth dist.	6689 Oct 30	12:25	8°♏03'06	2.66298 AU	
	6689 Dec 04	00:16	0°♐		

morning rise	6689 Dec 05 19:38	1°♐08'41	
	6690 Jan 20 12:43	0°♑	
desc. node	6690 Feb 21 08:34	20°♑00'29	
	6690 Mar 09 07:17	0°♒	
	6690 Apr 26 16:08	0°♓	
	6690 Jun 16 01:55	0°♈	
	6690 Aug 15 21:41	0°♉	
retrograde	6690 Sep 21 19:39	7°♉32'06	
opposition	6690 Oct 21 23:59	2°♉30'44	-5°26'12
greatest brilliancy	6690 Oct 22 23:24	2°♉14'41	-2.9m
min. Earth dist.	6690 Oct 26 01:47	1°♉23'55	0.37918 AU
	6690 Oct 31 11:11	30°♈R	
direct	6690 Nov 22 01:50	27°♈03'28	
	6690 Dec 13 02:40	0°♉	
asc. node	6691 Jan 14 00:02	12°♉58'31	
	6691 Feb 12 16:04	0°♊	
	6691 Mar 30 16:32	0°♋	
	6691 May 14 05:17	0°♌	
	6691 Jun 28 07:20	0°♍	
	6691 Aug 13 11:22	0°♎	
	6691 Sep 29 12:47	0°♏	
evening set	6691 Oct 12 17:11	8°♏21'03	
	6691 Nov 15 21:31	0°♐	
max. Earth dist.	6691 Nov 22 04:45	4°♐00'00	2.67904 AU
conjunction	6691 Nov 26 23:18	7°♐01'59	0°22'24
minimum elong	6691 Nov 26 23:57	7°♐03'01	0°22'27
	6692 Jan 01 21:24	0°♑	
morning rise	6692 Jan 09 17:42	5°♑03'31	
desc. node	6692 Jan 09 06:46	4°♑45'51	
	6692 Feb 17 00:19	0°♒	
	6692 Apr 02 01:11	0°♓	
	6692 May 16 00:19	0°♈	
	6692 Jun 28 03:31	0°♉	
	6692 Aug 10 05:55	0°♊	
	6692 Sep 24 23:53	0°♋	
asc. node	6692 Dec 01 00:20	27°♋02'24	
retrograde	6692 Dec 05 20:51	27°♋12'39	
min. Earth dist.	6693 Jan 01 04:08	22°♋34'22	0.41513 AU
opposition	6693 Jan 08 23:59	20°♋04'31	2°32'44
greatest brilliancy	6693 Jan 08 04:21	20°♋20'15	-2.7m
direct	6693 Feb 09 00:09	14°♋11'02	
	6693 Apr 06 10:04	0°♌	
	6693 Jun 01 11:29	0°♍	
	6693 Jul 22 01:09	0°♎	
	6693 Sep 09 07:14	0°♏	
	6693 Oct 27 15:37	0°♐	
evening set	6693 Nov 16 23:11	12°♐49'29	
desc. node	6693 Nov 26 05:02	18°♐42'59	
	6693 Dec 13 18:01	0°♑	
max. Earth dist.	6693 Dec 14 12:09	0°♑29'22	2.64043 AU
conjunction	6693 Dec 31 23:50	11°♑54'00	-0°18'57
minimum elong	6693 Dec 31 23:14	11°♑53'01	0°18'54
	6694 Jan 28 04:57	0°♒	
morning rise	6694 Feb 15 12:08	12°♒25'35	
	6694 Mar 12 20:35	0°♓	
	6694 Apr 23 19:01	0°♈	
	6694 Jun 03 07:34	0°♉	
	6694 Jul 12 23:21	0°♊	
	6694 Aug 21 16:07	0°♋	
	6694 Oct 01 22:15	0°♌	
asc. node	6694 Oct 18 22:25	11°♌37'47	
	6694 Nov 17 07:12	0°♍	
retrograde	6695 Jan 25 02:28	24°♍11'46	
min. Earth dist.	6695 Feb 25 17:52	17°♍21'38	0.55001 AU
opposition	6695 Mar 04 19:04	14°♍38'33	5°01'53
greatest brilliancy	6695 Mar 03 12:54	15°♍07'43	-1.9m
direct	6695 Apr 09 14:31	6°♍37'14	
	6695 Jun 23 18:25	0°♎	
	6695 Aug 18 17:14	0°♏	
	6695 Oct 08 11:33	0°♐	
desc. node	6695 Oct 14 04:30	3°♐29'17	
	6695 Nov 25 09:18	0°♑	
evening set	6695 Dec 24 15:32	19°♑09'22	
	6696 Jan 09 18:23	0°♒	
max. Earth dist.	6696 Jan 10 23:31	0°♒49'30	2.54990 AU
conjunction	6696 Feb 10 20:48	22°♒14'27	-0°56'07
minimum elong	6696 Feb 10 19:29	22°♒12'07	0°56'04
	6696 Feb 21 18:40	0°♓	
	6696 Apr 02 17:53	0°♈	
morning rise	6696 Apr 03 10:33	0°♈31'10	
	6696 May 12 04:22	0°♉	
	6696 Jun 19 18:20	0°♊	
	6696 Jul 28 07:49	0°♋	
asc. node	6696 Sep 04 20:56	29°♋16'11	
	6696 Sep 05 20:30	0°♌	
	6696 Oct 17 14:44	0°♍	
	6696 Dec 02 22:21	0°♎	
	6697 Feb 04 03:41	0°♏	
retrograde	6697 Mar 03 02:35	4°♏15'30	
	6697 Mar 28 03:51	30°♎R	
min. Earth dist.	6697 Apr 08 23:16	25°♎37'53	0.64702 AU
opposition	6697 Apr 12 08:35	24°♎16'37	4°06'10
greatest brilliancy	6697 Apr 11 21:07	24°♎28'05	-1.4m
direct	6697 May 21 12:40	15°♎03'12	
	6697 Jul 18 15:06	0°♏	
desc. node	6697 Aug 31 04:21	21°♏23'26	
	6697 Sep 15 18:14	0°♐	
	6697 Nov 04 23:23	0°♑	
	6697 Dec 20 22:45	0°♒	
	6698 Feb 01 19:29	0°♓	
evening set	6698 Feb 06 17:10	3°♓33'07	
max. Earth dist.	6698 Feb 23 03:48	15°♓37'46	2.42065 AU
	6698 Mar 14 07:17	0°♈	
conjunction	6698 Apr 05 05:10	16°♈47'39	-1°01'02
minimum elong	6698 Apr 05 07:01	16°♈51'15	1°01'03
	6698 Apr 22 04:27	0°♉	
	6698 May 30 06:49	0°♊	
morning rise	6698 Jun 12 15:44	10°♊32'48	
	6698 Jul 07 11:25	0°♋	
asc. node	6698 Jul 23 19:54	12°♋39'26	
	6698 Aug 15 15:13	0°♌	
	6698 Sep 25 14:38	0°♍	
	6698 Nov 08 08:31	0°♎	
	6698 Dec 26 13:47	0°♏	
	6699 Feb 25 17:42	0°♐	
retrograde	6699 Apr 06 09:13	8°♐04'09	
	6699 May 12 14:39	30°♏R	
opposition	6699 May 16 16:03	28°♏23'44	2°06'14
greatest brilliancy	6699 May 16 17:12	28°♏22'35	-1.3m
min. Earth dist.	6699 May 17 02:35	28°♏13'16	0.68057 AU
direct	6699 Jun 26 17:49	18°♏31'56	
desc. node	6699 Jul 19 03:29	21°♏15'50	
	6699 Aug 15 04:12	0°♐	
	6699 Oct 13 16:51	0°♑	
	6699 Nov 30 20:19	0°♒	
	6700 Jan 13 05:40	0°♓	
	6700 Feb 22 16:17	0°♈	
	6700 Apr 02 08:18	0°♉	
evening set	6700 Apr 09 12:27	5°♉39'16	
	6700 May 10 06:24	0°♊	

asc. node	6700 Jun 10 17:48	24°♊48'08	
	6700 Jun 17 09:42	0°♋	
conjunction	6700 Jun 18 12:21	0°♋51'50	0°05'32
minimum elong	6700 Jun 18 11:46	0°♋50'41	0°05'29
behind sun begin	6700 Jun 17 07:17	29°♊55'18	
behind sun end	6700 Jun 19 16:15	1°♋46'01	
	6700 Jul 26 14:45	0°♌	
max. Earth dist.	6700 Aug 10 01:59	10°♌45'53	2.41565 AU
morning rise	6700 Aug 25 13:10	22°♌03'47	
	6700 Sep 05 14:14	0°♍	
	6700 Oct 18 20:50	0°♎	
	6700 Dec 03 21:56	0°♏	
	6701 Jan 22 21:38	0°♐	
	6701 Mar 24 06:12	0°♑	
retrograde	6701 May 12 01:39	11°♑13'45	
desc. node	6701 Jun 06 02:04	7°♑17'06	
opposition	6701 Jun 20 04:00	2°♑15'11	-0°30'30
greatest brilliancy	6701 Jun 20 05:43	2°♑13'31	-1.4m
min. Earth dist.	6701 Jun 24 08:56	0°♑37'00	0.64833 AU
	6701 Jun 25 23:23	30°℞♐	
direct	6701 Jul 31 16:00	22°♐12'28	
	6701 Sep 08 05:29	0°♑	
	6701 Nov 06 22:44	0°♒	
	6701 Dec 22 18:09	0°♓	
	6702 Feb 01 22:24	0°♈	
	6702 Mar 12 20:36	0°♉	
	6702 Apr 19 22:59	0°♊	
asc. node	6702 Apr 28 17:45	6°♊54'40	
	6702 May 28 08:18	0°♋	
evening set	6702 Jun 22 02:15	18°♋54'23	
	6702 Jul 06 21:46	0°♌	
	6702 Aug 17 06:13	0°♍	
conjunction	6702 Aug 22 16:27	3°♍49'43	1°01'29
minimum elong	6702 Aug 22 14:54	3°♍47'00	1°01'27
max. Earth dist.	6702 Sep 25 13:13	27°♍11'07	2.54986 AU
	6702 Sep 29 17:17	0°♎	
morning rise	6702 Oct 15 18:20	10°♎43'03	
	6702 Nov 14 07:21	0°♏	
	6703 Jan 01 00:13	0°♐	
	6703 Feb 20 10:20	0°♑	
	6703 Apr 18 08:57	0°♒	
desc. node	6703 Apr 24 00:46	2°♒34'10	
retrograde	6703 Jun 23 22:30	18°♒52'07	
opposition	6703 Jul 30 08:36	11°♒05'11	-3°40'08
greatest brilliancy	6703 Jul 31 07:31	10°♒44'06	-1.8m
min. Earth dist.	6703 Aug 06 22:45	8°♒17'57	0.55293 AU
direct	6703 Sep 08 04:29	1°♒40'20	
	6703 Nov 24 10:46	0°♓	
	6704 Jan 08 15:17	0°♈	
	6704 Feb 18 02:34	0°♉	
asc. node	6704 Mar 15 17:51	20°♉26'17	
	6704 Mar 28 03:27	0°♊	
	6704 May 06 08:24	0°♋	
	6704 Jun 15 17:36	0°♌	
	6704 Jul 27 21:05	0°♍	
evening set	6704 Aug 17 03:14	13°♍56'37	
	6704 Sep 09 23:13	0°♎	
conjunction	6704 Oct 07 04:42	17°♎56'59	1°03'15
minimum elong	6704 Oct 07 05:32	17°♎58'22	1°03'16
max. Earth dist.	6704 Oct 22 03:29	27°♎39'29	2.64152 AU
	6704 Oct 25 18:33	0°♏	
morning rise	6704 Nov 22 23:39	18°♏03'28	
	6704 Dec 11 20:19	0°♐	
	6705 Jan 28 19:24	0°♑	
desc. node	6705 Mar 10 22:51	25°♑16'12	
	6705 Mar 18 18:25	0°♒	
	6705 May 08 23:48	0°♓	
	6705 Jul 08 08:11	0°♈	
retrograde	6705 Aug 22 17:02	10°♈19'25	
opposition	6705 Sep 23 11:27	4°♈34'40	-6°12'31
greatest brilliancy	6705 Sep 25 05:08	4°♈02'53	-2.6m
min. Earth dist.	6705 Oct 01 03:15	2°♈15'19	0.41880 AU
	6705 Oct 09 12:19	30°℞♓	
direct	6705 Oct 27 17:45	27°♓45'26	
	6705 Nov 14 20:40	0°♈	
	6706 Jan 15 20:52	0°♉	
asc. node	6706 Jan 31 16:39	10°♉22'32	
	6706 Mar 01 01:32	0°♊	
	6706 Apr 12 04:39	0°♋	
	6706 May 24 17:24	0°♌	
	6706 Jul 07 13:15	0°♍	
	6706 Aug 21 21:27	0°♎	
evening set	6706 Sep 28 22:34	24°♎33'27	
	6706 Oct 07 10:50	0°♏	
conjunction	6706 Nov 14 02:20	23°♏57'10	0°36'42
minimum elong	6706 Nov 14 03:19	23°♏58'43	0°36'44
max. Earth dist.	6706 Nov 14 15:29	24°♏18'03	2.67921 AU
	6706 Nov 23 14:52	0°♐	
morning rise	6706 Dec 28 02:25	21°♐55'59	
	6707 Jan 09 17:39	0°♑	
desc. node	6707 Jan 26 20:49	10°♑58'50	
	6707 Feb 25 08:20	0°♒	
	6707 Apr 12 07:44	0°♓	
	6707 May 27 19:07	0°♈	
	6707 Jul 12 08:31	0°♉	
	6707 Aug 29 06:20	0°♊	
retrograde	6707 Nov 11 14:42	27°♊33'40	
min. Earth dist.	6707 Dec 08 10:58	23°♊09'43	0.37704 AU
opposition	6707 Dec 13 00:43	21°♊52'22	-0°29'36
greatest brilliancy	6707 Dec 12 23:14	21°♊53'25	-3.0m
asc. node	6707 Dec 19 16:02	20°♊03'42	
direct	6708 Jan 11 14:03	16°♊48'42	
	6708 Mar 01 00:31	0°♋	
	6708 Apr 25 05:28	0°♌	
	6708 Jun 13 06:31	0°♍	
	6708 Jul 31 11:31	0°♎	
	6708 Sep 17 15:28	0°♏	
evening set	6708 Nov 03 22:55	29°♏39'01	
	6708 Nov 04 12:13	0°♐	
max. Earth dist.	6708 Dec 06 03:22	20°♐06'35	2.66188 AU
desc. node	6708 Dec 13 19:30	25°♐02'14	
conjunction	6708 Dec 18 17:39	28°♐12'38	-0°02'39
minimum elong	6708 Dec 18 17:35	28°♐12'32	0°02'36
behind sun begin	6708 Dec 17 23:10	27°♐42'49	
behind sun end	6708 Dec 19 12:01	28°♐42'16	
	6708 Dec 21 12:07	0°♑	
morning rise	6709 Feb 01 02:59	27°♑18'40	
	6709 Feb 05 03:42	0°♒	
	6709 Mar 21 05:55	0°♓	
	6709 May 02 19:12	0°♈	
	6709 Jun 13 01:21	0°♉	
	6709 Jul 23 12:43	0°♊	
	6709 Sep 02 06:58	0°♋	
	6709 Oct 15 16:36	0°♌	
asc. node	6709 Nov 05 16:15	12°♌51'57	
	6709 Dec 11 23:13	0°♍	
retrograde	6710 Jan 08 17:19	5°♍03'35	
	6710 Feb 04 10:40	30°℞♌	
min. Earth dist.	6710 Feb 06 23:24	29°♌06'48	0.49791 AU

greatest brilliancy	6710 Feb 13 16:43	26°♌38'32	-2.2m
opposition	6710 Feb 15 02:25	26°♌07'19	4°44'28
direct	6710 Mar 21 05:00	18°♌48'45	
	6710 May 07 09:54	0°♍	
	6710 Jul 07 00:53	0°♎	
	6710 Aug 28 06:11	0°♏	
	6710 Oct 16 19:40	0°♐	
desc. node	6710 Oct 31 18:47	9°♐18'35	
	6710 Dec 03 07:40	0°♑	
evening set	6710 Dec 10 11:32	4°♑38'34	
max. Earth dist.	6710 Dec 31 11:13	18°♑26'46	2.59103 AU
	6711 Jan 17 16:15	0°♒	
conjunction	6711 Jan 25 22:42	5°♒37'42	-0°43'23
minimum elong	6711 Jan 25 21:26	5°♒35'33	0°43'20
	6711 Mar 01 21:25	0°♓	
morning rise	6711 Mar 15 20:28	10°♓00'08	
	6711 Apr 12 04:12	0°♈	
	6711 May 21 23:04	0°♉	
	6711 Jun 29 20:49	0°♊	
	6711 Aug 07 17:25	0°♋	
	6711 Sep 16 15:12	0°♌	
asc. node	6711 Sep 23 13:29	5°♌03'17	
	6711 Oct 29 05:37	0°♍	
	6711 Dec 17 16:59	0°♎	
retrograde	6712 Feb 19 02:34	20°♎00'41	
min. Earth dist.	6712 Mar 25 02:09	12°♎00'32	0.61619 AU
opposition	6712 Mar 29 23:29	10°♎03'58	4°38'55
greatest brilliancy	6712 Mar 29 04:34	10°♎22'46	-1.6m
direct	6712 May 07 00:15	1°♎13'49	
	6712 Aug 02 01:50	0°♏	
desc. node	6712 Sep 17 18:14	25°♏32'52	
	6712 Sep 25 09:32	0°♐	
	6712 Nov 13 10:45	0°♑	
	6712 Dec 29 02:38	0°♒	
evening set	6713 Jan 19 17:15	14°♒53'42	
max. Earth dist.	6713 Feb 02 17:10	24°♒46'57	2.47362 AU
	6713 Feb 09 23:55	0°♓	
conjunction	6713 Mar 13 14:15	23°♓12'04	-1°06'06
minimum elong	6713 Mar 13 14:10	23°♓11'56	1°06'05
	6713 Mar 22 15:20	0°♈	
	6713 Apr 30 16:47	0°♉	
morning rise	6713 May 14 04:28	10°♉32'28	
greatest brilliancy	6713 Jun 07 11:57	29°♉39'02	1.2m
	6713 Jun 07 22:36	0°♊	
	6713 Jul 16 05:14	0°♋	
asc. node	6713 Aug 10 11:48	19°♋27'37	
	6713 Aug 24 10:27	0°♌	
	6713 Oct 04 13:14	0°♍	
	6713 Nov 17 19:48	0°♎	
	6714 Jan 07 05:34	0°♏	
retrograde	6714 Mar 25 04:14	25°♏27'53	
opposition	6714 May 04 14:12	15°♏37'08	2°57'27
greatest brilliancy	6714 May 04 11:51	15°♏39'29	-1.3m
min. Earth dist.	6714 May 03 12:37	16°♏02'40	0.67532 AU
direct	6714 Jun 14 02:09	5°♏57'20	
desc. node	6714 Aug 05 17:08	18°♏36'50	
	6714 Aug 30 15:37	0°♐	
	6714 Oct 23 15:03	0°♑	
	6714 Dec 09 15:31	0°♒	
	6715 Jan 21 18:11	0°♓	
	6715 Mar 03 04:26	0°♈	
evening set	6715 Mar 14 18:27	8°♈52'06	
	6715 Apr 10 21:50	0°♉	
	6715 May 18 20:50	0°♊	

conjunction	6715 May 20 04:06	1°♊01'53	-0°27'18
minimum elong	6715 May 20 06:46	1°♊07'11	0°27'19
max. Earth dist.	6715 Jun 16 17:38	22°♊46'11	2.36914 AU
	6715 Jun 25 23:33	0°♋	
asc. node	6715 Jun 28 11:51	1°♋57'26	
morning rise	6715 Jul 31 10:27	27°♋13'51	
	6715 Aug 04 02:41	0°♌	
	6715 Sep 14 00:11	0°♍	
	6715 Oct 27 07:41	0°♎	
	6715 Dec 12 20:16	0°♏	
	6716 Feb 02 20:53	0°♐	
retrograde	6716 Apr 27 17:39	28°♐20'00	
opposition	6716 Jun 06 10:47	19°♐02'19	0°34'08
greatest brilliancy	6716 Jun 06 12:24	19°♐00'43	-1.4m
min. Earth dist.	6716 Jun 09 04:30	17°♐57'41	0.66871 AU
desc. node	6716 Jun 22 15:55	13°♐05'16	
direct	6716 Jul 17 23:29	9°♐00'07	
	6716 Sep 25 11:31	0°♑	
	6716 Nov 16 17:53	0°♒	
	6716 Dec 31 05:32	0°♓	
	6717 Feb 10 00:01	0°♈	
	6717 Mar 20 18:26	0°♉	
greatest brilliancy	6717 Apr 08 10:51	14°♉44'02	1.2m
	6717 Apr 27 18:08	0°♊	
asc. node	6717 May 15 10:43	13°♊56'52	
evening set	6717 May 25 05:04	21°♊35'56	
	6717 Jun 04 23:58	0°♋	
	6717 Jul 14 08:54	0°♌	
conjunction	6717 Jul 30 23:28	12°♌17'10	0°47'17
minimum elong	6717 Jul 30 20:50	12°♌12'21	0°47'13
	6717 Aug 24 12:23	0°♍	
max. Earth dist.	6717 Sep 11 15:53	12°♍45'44	2.50051 AU
morning rise	6717 Sep 27 20:21	23°♍54'45	
	6717 Oct 06 19:41	0°♎	
	6717 Nov 21 10:52	0°♏	
	6718 Jan 08 16:58	0°♐	
	6718 Mar 02 03:41	0°♑	
desc. node	6718 May 10 14:36	29°♑47'36	
	6718 May 11 09:55	0°♒	
retrograde	6718 Jun 05 21:47	3°♒28'15	
	6718 Jun 29 09:56	30°℞♑	
opposition	6718 Jul 13 14:05	25°♑08'23	-2°23'28
greatest brilliancy	6718 Jul 14 02:27	24°♑56'40	-1.6m
min. Earth dist.	6718 Jul 19 22:50	22°♑43'44	0.59717 AU
direct	6718 Aug 23 09:33	15°♑19'40	
	6718 Oct 15 23:08	0°♒	
	6718 Dec 06 20:25	0°♓	
	6719 Jan 18 14:32	0°♈	
	6719 Feb 27 04:33	0°♉	
asc. node	6719 Apr 02 09:18	26°♉37'39	
	6719 Apr 06 17:02	0°♊	
	6719 May 15 11:37	0°♋	
	6719 Jun 24 10:54	0°♌	
evening set	6719 Jul 29 04:23	25°♌02'49	
	6719 Aug 05 05:07	0°♍	
	6719 Sep 17 23:38	0°♎	
conjunction	6719 Sep 21 13:30	2°♎23'38	1°07'11
minimum elong	6719 Sep 21 13:43	2°♎24'00	1°07'11
max. Earth dist.	6719 Oct 13 05:29	16°♎43'50	2.61188 AU
	6719 Nov 02 15:05	0°♏	
morning rise	6719 Nov 09 12:31	4°♏26'20	
	6719 Dec 19 19:47	0°♐	
	6720 Feb 06 10:29	0°♑	
desc. node	6720 Mar 27 13:12	29°♑37'29	
	6720 Mar 28 05:00	0°♒	

	6720 May 24 06:44	0°♓	
retrograde	6720 Jul 26 18:21	17°♓48'59	
opposition	6720 Aug 29 15:52	11°♓10'16	-5°34'18
greatest brilliancy	6720 Aug 31 07:59	10°♓36'28	-2.3m
min. Earth dist.	6720 Sep 07 07:15	8°♓16'51	0.47154 AU
direct	6720 Oct 05 17:06	3°♓01'40	
	6720 Dec 17 02:08	0°♈	
	6721 Jan 30 16:46	0°♉	
asc. node	6721 Feb 17 09:27	12°♉50'38	
	6721 Mar 12 13:59	0°♊	
	6721 Apr 22 00:29	0°♋	
	6721 Jun 02 09:35	0°♌	
	6721 Jul 15 09:07	0°♍	
	6721 Aug 29 02:40	0°♎	
evening set	6721 Sep 13 08:37	9°♎59'36	
	6721 Oct 14 07:07	0°♏	
conjunction	6721 Oct 30 21:55	10°♏38'02	0°49'08
minimum elong	6721 Oct 30 23:02	10°♏39'50	0°49'10
max. Earth dist.	6721 Nov 05 18:42	14°♏22'32	2.67111 AU
	6721 Nov 30 08:35	0°♐	
morning rise	6721 Dec 14 14:17	9°♐01'44	
	6722 Jan 16 16:36	0°♑	
desc. node	6722 Feb 12 11:41	16°♑59'39	
	6722 Mar 04 23:20	0°♒	
	6722 Apr 21 06:46	0°♓	
	6722 Jun 08 06:25	0°♈	
	6722 Jul 29 09:59	0°♉	
retrograde	6722 Oct 11 12:32	25°♉25'25	
opposition	6722 Nov 10 08:50	20°♉29'28	-4°01'54
greatest brilliancy	6722 Nov 10 16:59	20°♉24'06	-3.0m
min. Earth dist.	6722 Nov 11 09:20	20°♉13'19	0.36887 AU
direct	6722 Dec 10 02:18	15°♉30'20	
asc. node	6723 Jan 05 08:43	19°♉51'33	
	6723 Jan 30 01:34	0°♊	
	6723 Mar 23 01:43	0°♋	
	6723 May 08 13:29	0°♌	
	6723 Jun 23 15:29	0°♍	
	6723 Aug 09 09:06	0°♎	
	6723 Sep 25 18:15	0°♏	
evening set	6723 Oct 21 20:58	16°♏28'13	
	6723 Nov 12 06:39	0°♐	
max. Earth dist.	6723 Nov 28 06:32	10°♐09'22	2.67533 AU
conjunction	6723 Dec 05 19:59	14°♐58'25	0°13'26
minimum elong	6723 Dec 05 20:24	14°♐59'04	0°13'30
behind sun begin	6723 Dec 05 10:21	14°♐43'04	
behind sun end	6723 Dec 06 06:26	15°♐15'04	
	6723 Dec 29 06:18	0°♑	
desc. node	6723 Dec 31 09:55	1°♑23'14	
morning rise	6724 Jan 18 16:11	13°♑13'53	
	6724 Feb 13 04:59	0°♒	
	6724 Mar 28 21:04	0°♓	
	6724 May 11 06:15	0°♈	
	6724 Jun 22 13:37	0°♉	
	6724 Aug 03 09:19	0°♊	
	6724 Sep 15 08:24	0°♋	
	6724 Nov 04 15:01	0°♌	
asc. node	6724 Nov 22 07:43	7°♌24'31	
retrograde	6724 Dec 19 19:30	12°♌28'20	
min. Earth dist.	6725 Jan 15 20:12	7°♌25'39	0.44350 AU
greatest brilliancy	6725 Jan 23 01:44	4°♌58'38	-2.5m
opposition	6725 Jan 24 06:25	4°♌34'06	3°40'51
	6725 Feb 08 18:39	30°℞♋	
direct	6725 Feb 25 11:05	28°♋08'11	
	6725 Mar 14 19:17	0°♌	
	6725 May 25 06:55	0°♍	
	6725 Jul 17 01:23	0°♎	
	6725 Sep 05 03:56	0°♏	
	6725 Oct 23 21:33	0°♐	
desc. node	6725 Nov 17 08:42	15°♐24'19	
evening set	6725 Nov 26 00:50	20°♐56'00	
	6725 Dec 10 03:11	0°♑	
max. Earth dist.	6725 Dec 21 03:10	7°♑08'56	2.62519 AU
conjunction	6726 Jan 10 09:41	20°♑30'41	-0°28'17
minimum elong	6726 Jan 10 08:48	20°♑29'13	0°28'13
	6726 Jan 24 13:33	0°♒	
morning rise	6726 Feb 25 20:20	22°♒07'59	
	6726 Mar 09 01:47	0°♓	
	6726 Apr 19 18:44	0°♈	
	6726 May 30 00:38	0°♉	
	6726 Jul 08 09:05	0°♊	
	6726 Aug 16 16:27	0°♋	
	6726 Sep 26 06:05	0°♌	
asc. node	6726 Oct 10 07:35	9°♌56'13	
	6726 Nov 09 13:11	0°♍	
	6727 Jan 08 16:11	0°♎	
retrograde	6727 Feb 04 04:45	4°♎25'34	
	6727 Mar 01 05:46	30°℞♍	
min. Earth dist.	6727 Mar 09 02:06	27°♍08'53	0.57583 AU
greatest brilliancy	6727 Mar 14 07:36	25°♍06'08	-1.7m
opposition	6727 Mar 15 10:12	24°♍40'03	4°59'12
direct	6727 Apr 21 02:04	16°♍19'17	
	6727 Jun 14 11:16	0°♎	
	6727 Aug 13 12:53	0°♏	
	6727 Oct 04 08:06	0°♐	
desc. node	6727 Oct 05 07:55	0°♐35'54	
	6727 Nov 21 14:54	0°♑	
evening set	6728 Jan 03 17:30	28°♑23'13	
	6728 Jan 06 02:36	0°♒	
max. Earth dist.	6728 Jan 19 11:21	9°♒09'06	2.52421 AU
	6728 Feb 18 02:13	0°♓	
conjunction	6728 Feb 22 06:58	3°♓01'03	-1°01'37
minimum elong	6728 Feb 22 05:52	2°♓59'04	1°01'35
	6728 Mar 29 22:58	0°♈	
morning rise	6728 Apr 17 14:10	14°♈06'09	
	6728 May 08 06:22	0°♉	
	6728 Jun 15 17:26	0°♊	
	6728 Jul 24 03:58	0°♋	
asc. node	6728 Aug 27 05:58	26°♋02'39	
	6728 Sep 01 12:44	0°♌	
	6728 Oct 12 22:46	0°♍	
	6728 Nov 27 04:45	0°♎	
	6729 Jan 21 11:25	0°♏	
retrograde	6729 Mar 11 20:47	12°♏27'50	
min. Earth dist.	6729 Apr 18 15:46	3°♏32'18	0.65974 AU
opposition	6729 Apr 21 05:36	2°♏30'29	3°42'57
greatest brilliancy	6729 Apr 20 21:48	2°♏38'17	-1.4m
	6729 Apr 27 15:15	30°℞♎	
direct	6729 May 30 22:31	23°♎06'35	
	6729 Jul 07 02:25	0°♏	
desc. node	6729 Aug 22 07:08	19°♏54'35	
	6729 Sep 10 11:43	0°♐	
	6729 Oct 31 18:57	0°♑	
	6729 Dec 17 02:47	0°♒	
	6730 Jan 29 01:57	0°♓	
evening set	6730 Feb 19 12:26	15°♓41'51	
	6730 Mar 10 13:24	0°♈	
max. Earth dist.	6730 Mar 13 10:19	2°♈11'02	2.39292 AU
	6730 Apr 18 09:10	0°♉	
conjunction	6730 Apr 21 03:08	2°♉09'17	-0°52'32

minimum elong	6730 Apr 21 06:04	2°♉15'02	0°52'32
	6730 May 26 10:09	0°♊	
morning rise	6730 Jul 01 10:25	28°♊20'14	
	6730 Jul 03 13:34	0°♋	
asc. node	6730 Jul 15 03:49	8°♋59'57	
	6730 Aug 11 16:18	0°♌	
	6730 Sep 21 13:52	0°♍	
	6730 Nov 04 01:38	0°♎	
	6730 Dec 21 10:26	0°♏	
	6731 Feb 15 10:51	0°♐	
retrograde	6731 Apr 15 01:30	15°♐44'09	
opposition	6731 May 25 04:30	6°♐10'54	1°33'40
greatest brilliancy	6731 May 25 06:32	6°♐08'53	-1.3m
min. Earth dist.	6731 May 26 10:22	5°♐41'18	0.67911 AU
	6731 Jun 11 03:58	30°℞♏	
direct	6731 Jul 05 11:37	26°♏14'23	
desc. node	6731 Jul 10 06:03	26°♏22'31	
	6731 Jul 31 23:24	0°♐	
	6731 Oct 08 04:34	0°♑	
	6731 Nov 26 11:30	0°♒	
	6732 Jan 09 05:34	0°♓	
	6732 Feb 18 19:04	0°♈	
	6732 Mar 28 11:55	0°♉	
evening set	6732 Apr 25 17:09	22°♉18'16	
	6732 May 05 10:18	0°♊	
asc. node	6732 Jun 01 03:26	21°♊04'11	
	6732 Jun 12 13:46	0°♋	
conjunction	6732 Jul 04 18:09	17°♋06'11	0°23'06
minimum elong	6732 Jul 04 16:02	17°♋02'09	0°23'02
	6732 Jul 21 19:09	0°♌	
max. Earth dist.	6732 Aug 24 13:52	24°♌49'57	2.44618 AU
	6732 Aug 31 18:55	0°♍	
morning rise	6732 Sep 07 11:40	4°♍45'35	
	6732 Oct 14 00:15	0°♎	
	6732 Nov 28 19:44	0°♏	
	6733 Jan 16 23:15	0°♐	
	6733 Mar 14 02:16	0°♑	
retrograde	6733 May 20 17:39	19°♑22'46	
desc. node	6733 May 27 05:21	19°♑07'04	
opposition	6733 Jun 28 09:18	10°♑36'37	-1°10'42
greatest brilliancy	6733 Jun 28 14:00	10°♑32'05	-1.5m
min. Earth dist.	6733 Jul 03 08:52	8°♑41'13	0.63260 AU
direct	6733 Aug 08 17:34	0°♑36'40	
	6733 Oct 30 16:04	0°♒	
	6733 Dec 16 21:58	0°♓	
	6734 Jan 27 13:10	0°♈	
	6734 Mar 07 16:10	0°♉	
	6734 Apr 14 21:37	0°♊	
asc. node	6734 Apr 19 02:42	3°♊18'24	
	6734 May 23 09:27	0°♋	
	6734 Jul 02 01:19	0°♌	
evening set	6734 Jul 06 09:19	3°♌12'12	
	6734 Aug 12 12:05	0°♍	
conjunction	6734 Sep 03 03:22	15°♍05'56	1°05'35
minimum elong	6734 Sep 03 02:34	15°♍04'32	1°05'34
	6734 Sep 25 00:23	0°♎	
max. Earth dist.	6734 Oct 02 11:18	4°♎59'58	2.57397 AU
morning rise	6734 Oct 25 02:27	19°♎57'28	
	6734 Nov 09 13:37	0°♏	
	6734 Dec 27 00:13	0°♐	
	6735 Feb 14 14:25	0°♑	
	6735 Apr 09 10:35	0°♒	
desc. node	6735 Apr 14 04:06	2°♒25'02	
retrograde	6735 Jul 05 05:30	28°♒54'48	
opposition	6735 Aug 09 20:11	21°♒29'35	-4°24'16
greatest brilliancy	6735 Aug 11 01:47	21°♒02'58	-2.0m
min. Earth dist.	6735 Aug 18 00:03	18°♒34'24	0.52506 AU
direct	6735 Sep 17 21:05	12°♒25'40	
	6735 Nov 14 04:01	0°♓	
	6736 Jan 01 12:43	0°♈	
	6736 Feb 11 21:44	0°♉	
asc. node	6736 Mar 06 01:00	17°♉30'41	
	6736 Mar 22 09:43	0°♊	
	6736 Apr 30 22:27	0°♋	
	6736 Jun 10 14:04	0°♌	
	6736 Jul 22 23:10	0°♍	
evening set	6736 Aug 27 11:53	24°♍10'38	
	6736 Sep 05 05:25	0°♎	
conjunction	6736 Oct 16 01:55	26°♎44'36	0°59'01
minimum elong	6736 Oct 16 02:57	26°♎46'17	0°59'02
	6736 Oct 21 03:02	0°♏	
max. Earth dist.	6736 Oct 27 14:05	4°♏09'27	2.65447 AU
morning rise	6736 Nov 30 22:44	26°♏04'15	
	6736 Dec 07 03:41	0°♐	
	6737 Jan 23 20:02	0°♑	
desc. node	6737 Mar 01 02:01	22°♑35'12	
	6737 Mar 13 01:44	0°♒	
	6737 May 01 11:30	0°♓	
	6737 Jun 23 16:19	0°♈	
retrograde	6737 Sep 08 17:13	25°♈27'50	
opposition	6737 Oct 09 11:15	20°♈10'19	-6°00'37
greatest brilliancy	6737 Oct 10 21:22	19°♈45'47	-2.8m
min. Earth dist.	6737 Oct 15 11:45	18°♈26'59	0.39423 AU
direct	6737 Nov 10 22:44	14°♈08'38	
	6738 Jan 02 06:58	0°♉	
asc. node	6738 Jan 22 01:28	11°♉11'11	
	6738 Feb 20 11:17	0°♊	
	6738 Apr 05 07:23	0°♋	
	6738 May 18 18:19	0°♌	
	6738 Jul 02 04:36	0°♍	
	6738 Aug 16 22:12	0°♎	
	6738 Oct 02 17:29	0°♏	
evening set	6738 Oct 07 11:30	3°♏01'18	
	6738 Nov 18 23:53	0°♐	
max. Earth dist.	6738 Nov 19 16:48	0°♐26'52	2.68025 AU
conjunction	6738 Nov 22 01:37	1°♐57'02	0°28'31
minimum elong	6738 Nov 22 02:25	1°♐58'18	0°28'34
morning rise	6739 Jan 04 20:55	29°♐53'22	
	6739 Jan 05 01:03	0°♑	
desc. node	6739 Jan 17 00:04	7°♑41'17	
	6739 Feb 20 09:25	0°♒	
	6739 Apr 06 20:00	0°♓	
	6739 May 21 09:58	0°♈	
	6739 Jul 04 10:52	0°♉	
	6739 Aug 18 01:07	0°♊	
	6739 Oct 07 01:30	0°♋	
retrograde	6739 Nov 26 23:49	15°♋11'54	
asc. node	6739 Dec 10 01:57	13°♋59'43	
min. Earth dist.	6739 Dec 23 03:03	10°♋46'30	0.39527 AU
opposition	6739 Dec 29 21:28	8°♋44'07	1°23'29
greatest brilliancy	6739 Dec 29 11:36	8°♋51'35	-2.8m
direct	6740 Jan 29 01:51	3°♋15'43	
	6740 Apr 15 10:50	0°♌	
	6740 Jun 06 13:30	0°♍	
	6740 Jul 25 22:32	0°♎	
	6740 Sep 12 16:09	0°♏	
	6740 Oct 30 19:28	0°♐	
evening set	6740 Nov 11 23:24	7°♐40'29	
desc. node	6740 Dec 03 22:26	21°♐39'32	
max. Earth dist.	6740 Dec 11 11:17	26°♐30'12	2.65109 AU

	6740 Dec 16 21:17	0°♉	
conjunction	6740 Dec 26 19:56	6°♉27'14	-0°12'11
minimum elong	6740 Dec 26 19:33	6°♉26'37	0°12'07
behind sun begin	6740 Dec 26 07:03	6°♉06'15	
behind sun end	6740 Dec 27 08:04	6°♉46'59	
	6741 Jan 31 11:08	0°♒	
morning rise	6741 Feb 09 17:54	6°♒15'03	
	6741 Mar 16 08:08	0°♓	
	6741 Apr 27 13:39	0°♈	
	6741 Jun 07 09:56	0°♉	
	6741 Jul 17 09:47	0°♊	
	6741 Aug 26 11:27	0°♋	
	6741 Oct 07 09:15	0°♌	
asc. node	6741 Oct 27 00:09	12°♌58'52	
	6741 Nov 25 03:00	0°♍	
retrograde	6742 Jan 18 20:13	16°♍45'16	
min. Earth dist.	6742 Feb 18 10:44	10°♍18'17	0.52736 AU
greatest brilliancy	6742 Feb 24 16:15	7°♍56'39	-2.0m
opposition	6742 Feb 26 00:47	7°♍25'42	4°59'11
	6742 Mar 26 10:53	30°℞♌	
direct	6742 Apr 02 02:01	29°♌42'23	
	6742 Apr 08 22:12	0°♍	
	6742 Jun 29 11:33	0°♎	
	6742 Aug 22 14:43	0°♏	
	6742 Oct 11 20:24	0°♐	
desc. node	6742 Oct 21 21:36	6°♐11'33	
	6742 Nov 28 14:40	0°♉	
evening set	6742 Dec 19 00:42	13°♉17'44	
max. Earth dist.	6743 Jan 06 23:01	25°♉53'49	2.56927 AU
	6743 Jan 13 00:48	0°♒	
conjunction	6743 Feb 04 08:43	15°♒20'05	-0°51'10
minimum elong	6743 Feb 04 07:22	15°♒17'45	0°51'07
	6743 Feb 25 04:25	0°♓	
morning rise	6743 Mar 27 02:40	21°♓41'24	
	6743 Apr 07 07:59	0°♈	
	6743 May 16 22:38	0°♉	
	6743 Jun 24 16:08	0°♊	
	6743 Aug 02 08:09	0°♋	
	6743 Sep 10 23:10	0°♌	
asc. node	6743 Sep 13 22:14	2°♌11'15	
	6743 Oct 22 22:53	0°♍	
	6743 Dec 09 03:18	0°♎	
retrograde	6744 Feb 27 04:41	28°♎46'53	
min. Earth dist.	6744 Apr 03 06:01	20°♎25'33	0.63444 AU
opposition	6744 Apr 07 07:58	18°♎47'54	4°21'15
greatest brilliancy	6744 Apr 06 17:17	19°♎02'32	-1.5m
direct	6744 May 16 00:53	9°♎44'15	
	6744 Jul 24 21:18	0°♏	
desc. node	6744 Sep 07 21:14	23°♏18'32	
	6744 Sep 19 16:54	0°♐	
	6744 Nov 08 10:39	0°♉	
	6744 Dec 24 08:11	0°♒	
evening set	6745 Jan 30 05:27	25°♒39'55	
	6745 Feb 05 06:31	0°♓	
max. Earth dist.	6745 Feb 13 20:00	6°♓11'59	2.44436 AU
	6745 Mar 17 21:04	0°♈	
conjunction	6745 Mar 26 11:38	6°♈32'16	-1°04'39
minimum elong	6745 Mar 26 12:35	6°♈34'05	1°04'39
	6745 Apr 25 20:46	0°♉	
morning rise	6745 May 30 22:59	27°♉34'18	
	6745 Jun 03 00:55	0°♊	
	6745 Jul 11 06:05	0°♋	
asc. node	6745 Jul 31 21:25	15°♋57'04	
	6745 Aug 19 09:25	0°♌	
	6745 Sep 29 08:39	0°♍	
	6745 Nov 12 04:59	0°♎	
	6745 Dec 31 01:15	0°♏	
	6746 Mar 08 22:13	0°♐	
retrograde	6746 Apr 01 17:42	3°♐12'03	
	6746 Apr 23 19:51	30°℞♏	
opposition	6746 May 12 02:38	23°♏26'24	2°28'05
greatest brilliancy	6746 May 12 02:27	23°♏26'35	-1.3m
min. Earth dist.	6746 May 11 20:38	23°♏32'22	0.67945 AU
direct	6746 Jun 21 23:08	13°♏39'35	
desc. node	6746 Jul 26 20:31	19°♏49'56	
	6746 Aug 22 00:14	0°♐	
	6746 Oct 17 20:11	0°♉	
	6746 Dec 04 13:08	0°♒	
	6747 Jan 16 20:54	0°♓	
	6747 Feb 26 08:24	0°♈	
evening set	6747 Mar 29 11:13	24°♈02'31	
	6747 Apr 06 01:30	0°♉	
	6747 May 14 00:07	0°♊	
conjunction	6747 Jun 06 08:36	18°♊26'45	-0°08'52
minimum elong	6747 Jun 06 09:33	18°♊28'38	0°08'55
behind sun begin	6747 Jun 05 07:54	17°♊38'11	
behind sun end	6747 Jun 07 11:13	19°♊19'03	
asc. node	6747 Jun 18 19:15	28°♊11'45	
	6747 Jun 21 02:45	0°♋	
max. Earth dist.	6747 Jul 26 15:24	27°♋16'57	2.39204 AU
	6747 Jul 30 05:58	0°♌	
morning rise	6747 Aug 15 17:00	12°♌15'25	
	6747 Sep 09 03:19	0°♍	
	6747 Oct 22 08:28	0°♎	
	6747 Dec 07 12:03	0°♏	
	6748 Jan 27 02:29	0°♐	
	6748 Apr 01 05:33	0°♉	
retrograde	6748 May 05 19:51	6°♉07'49	
	6748 Jun 06 07:39	30°℞♐	
desc. node	6748 Jun 12 19:21	27°♐33'08	
opposition	6748 Jun 14 05:16	27°♐00'03	-0°03'01
greatest brilliancy	6748 Jun 14 05:29	26°♐59'50	-1.4m
min. Earth dist.	6748 Jun 17 18:07	25°♐37'04	0.65875 AU
direct	6748 Jul 25 18:22	16°♐56'54	
	6748 Sep 15 19:17	0°♉	
	6748 Nov 10 14:47	0°♒	
	6748 Dec 25 20:45	0°♓	
	6749 Feb 04 21:34	0°♈	
	6749 Mar 15 18:19	0°♉	
	6749 Apr 22 19:18	0°♊	
asc. node	6749 May 05 18:42	10°♊13'30	
	6749 May 31 02:21	0°♋	
evening set	6749 Jun 10 07:14	7°♋52'19	
	6749 Jul 09 12:36	0°♌	
conjunction	6749 Aug 13 06:32	25°♌23'42	0°56'37
minimum elong	6749 Aug 13 04:26	25°♌19'56	0°56'35
	6749 Aug 19 17:33	0°♍	
max. Earth dist.	6749 Sep 20 02:13	21°♍51'50	2.52874 AU
	6749 Oct 02 01:27	0°♎	
morning rise	6749 Oct 08 07:33	4°♎12'30	
	6749 Nov 16 14:32	0°♏	
	6750 Jan 03 11:03	0°♐	
	6750 Feb 23 13:16	0°♉	
	6750 Apr 24 17:47	0°♒	
desc. node	6750 Apr 30 18:09	2°♒22'51	
retrograde	6750 Jun 15 20:50	12°♒31'01	
opposition	6750 Jul 22 21:35	4°♒28'15	-3°07'17
greatest brilliancy	6750 Jul 23 15:36	4°♒11'26	-1.7m
min. Earth dist.	6750 Jul 29 23:13	1°♒50'09	0.57385 AU

	6750 Aug 04 03:52	30℞♋	
direct	6750 Sep 01 05:32	24°♋50'59	
	6750 Sep 30 19:09	0°♒	
	6750 Nov 29 13:01	0°♓	
	6751 Jan 12 13:03	0°♈	
	6751 Feb 21 14:14	0°♉	
asc. node	6751 Mar 23 18:58	23°♉20'31	
	6751 Apr 01 08:55	0°♊	
	6751 May 10 08:11	0°♋	
	6751 Jun 19 11:25	0°♌	
	6751 Jul 31 09:16	0°♍	
evening set	6751 Aug 09 19:43	6°♍33'55	
	6751 Sep 13 06:28	0°♎	
conjunction	6751 Oct 01 05:53	11°♎55'51	1°05'27
minimum elong	6751 Oct 01 06:31	11°♎56'55	1°05'28
max. Earth dist.	6751 Oct 19 03:10	23°♎38'08	2.62930 AU
	6751 Oct 28 22:58	0°♏	
morning rise	6751 Nov 17 21:46	12°♏48'19	
	6751 Dec 15 01:00	0°♐	
	6752 Feb 01 05:45	0°♑	
desc. node	6752 Mar 17 16:15	27°♑31'04	
	6752 Mar 21 20:47	0°♒	
	6752 May 13 23:03	0°♓	
	6752 Aug 01 13:30	0°♈	
retrograde	6752 Aug 10 08:54	0°♈27'41	
	6752 Aug 18 23:16	30°℞♓	
opposition	6752 Sep 12 02:07	24°♓18'39	-6°02'11
greatest brilliancy	6752 Sep 13 21:09	23°♓44'12	-2.4m
min. Earth dist.	6752 Sep 20 10:49	21°♓39'03	0.44163 AU
direct	6752 Oct 17 17:09	16°♓51'27	
	6752 Dec 03 17:24	0°♈	
	6753 Jan 22 09:42	0°♉	
asc. node	6753 Feb 07 18:16	11°♉21'09	
	6753 Mar 05 18:11	0°♊	
	6753 Apr 15 23:46	0°♋	
	6753 May 27 21:40	0°♌	
	6753 Jul 10 06:36	0°♍	
	6753 Aug 24 06:42	0°♎	
evening set	6753 Sep 22 09:31	18°♎55'30	
	6753 Oct 09 15:11	0°♏	
conjunction	6753 Nov 08 02:32	18°♏48'07	0°42'06
minimum elong	6753 Nov 08 03:36	18°♏49'47	0°42'09
max. Earth dist.	6753 Nov 10 23:44	20°♏38'07	2.67664 AU
	6753 Nov 25 17:29	0°♐	
morning rise	6753 Dec 22 08:17	16°♐54'09	
	6754 Jan 11 22:24	0°♑	
desc. node	6754 Feb 02 13:56	13°♑48'51	
	6754 Feb 27 19:58	0°♒	
	6754 Apr 15 08:19	0°♓	
	6754 May 31 18:30	0°♈	
	6754 Jul 18 02:34	0°♉	
	6754 Sep 09 07:10	0°♊	
retrograde	6754 Oct 29 12:30	13°♊57'56	
min. Earth dist.	6754 Nov 26 17:23	9°♊21'18	0.36892 AU
opposition	6754 Nov 28 22:26	8°♊45'32	-2°05'31
greatest brilliancy	6754 Nov 28 20:56	8°♊46'33	-3.0m
asc. node	6754 Dec 26 17:29	3°♊53'16	
direct	6754 Dec 28 07:32	3°♊52'16	
	6755 Mar 12 05:01	0°♋	
	6755 May 01 04:43	0°♌	
	6755 Jun 17 16:22	0°♍	
	6755 Aug 04 03:29	0°♎	
	6755 Sep 20 22:16	0°♏	
evening set	6755 Oct 29 23:07	24°♏31'46	
	6755 Nov 07 15:06	0°♐	
max. Earth dist.	6755 Dec 03 10:24	16°♐23'26	2.66890 AU
conjunction	6755 Dec 13 18:29	23°♐00'25	0°04'09
minimum elong	6755 Dec 13 18:38	23°♐00'39	0°04'13
behind sun begin	6755 Dec 13 00:36	22°♐31'44	
behind sun end	6755 Dec 14 12:40	23°♐29'35	
desc. node	6755 Dec 21 12:48	28°♐00'01	
	6755 Dec 24 15:11	0°♑	
morning rise	6756 Jan 26 20:17	21°♑39'42	
	6756 Feb 08 10:33	0°♒	
	6756 Mar 23 19:20	0°♓	
	6756 May 05 17:45	0°♈	
	6756 Jun 16 10:30	0°♉	
	6756 Jul 27 10:24	0°♊	
	6756 Sep 06 21:58	0°♋	
	6756 Oct 22 01:27	0°♌	
asc. node	6756 Nov 12 17:37	12°♌05'17	
retrograde	6756 Dec 31 11:02	26°♌12'20	
min. Earth dist.	6757 Jan 28 16:24	20°♌40'02	0.47342 AU
greatest brilliancy	6757 Feb 04 16:35	18°♌10'04	-2.3m
opposition	6757 Feb 06 01:41	17°♌40'18	4°24'51
direct	6757 Mar 11 07:46	10°♌44'10	
	6757 May 15 08:05	0°♍	
	6757 Jul 10 15:52	0°♎	
	6757 Aug 30 21:02	0°♏	
	6757 Oct 19 01:46	0°♐	
desc. node	6757 Nov 07 12:07	12°♐09'11	
evening set	6757 Dec 04 05:25	29°♐11'15	
	6757 Dec 05 11:38	0°♑	
max. Earth dist.	6757 Dec 26 23:16	14°♑01'01	2.60720 AU
conjunction	6758 Jan 19 03:09	29°♑28'07	-0°37'16
minimum elong	6758 Jan 19 02:02	29°♑26'14	0°37'12
	6758 Jan 19 22:02	0°♒	
	6758 Mar 04 07:10	0°♓	
morning rise	6758 Mar 07 19:32	2°♓29'29	
	6758 Apr 14 19:17	0°♈	
	6758 May 24 19:25	0°♉	
	6758 Jul 02 21:52	0°♊	
	6758 Aug 10 22:34	0°♋	
	6758 Sep 20 01:06	0°♌	
asc. node	6758 Sep 30 15:23	7°♌38'53	
	6758 Nov 02 03:21	0°♍	
	6758 Dec 23 23:45	0°♎	
retrograde	6759 Feb 12 19:46	13°♎59'17	
min. Earth dist.	6759 Mar 18 21:39	6°♎18'09	0.59926 AU
opposition	6759 Mar 24 11:15	4°♎06'14	4°49'36
greatest brilliancy	6759 Mar 23 12:50	4°♎28'23	-1.6m
	6759 Apr 04 13:51	30℞♍	
direct	6759 Apr 30 22:25	25°♍28'30	
	6759 May 30 00:37	0°♎	
	6759 Aug 06 20:34	0°♏	
desc. node	6759 Sep 25 11:21	27°♏53'45	
	6759 Sep 29 00:45	0°♐	
	6759 Nov 16 18:52	0°♑	
	6760 Jan 01 10:22	0°♒	
evening set	6760 Jan 13 04:12	8°♒01'40	
max. Earth dist.	6760 Jan 27 16:41	18°♒07'40	2.49681 AU
	6760 Feb 13 09:51	0°♓	
conjunction	6760 Mar 04 10:13	14°♓32'46	-1°05'08
minimum elong	6760 Mar 04 09:35	14°♓31'36	1°05'08
	6760 Mar 25 04:38	0°♈	
morning rise	6760 May 02 00:49	28°♈57'16	
	6760 May 03 09:09	0°♉	
	6760 Jun 10 17:14	0°♊	
	6760 Jul 19 01:07	0°♋	

asc. node	6760 Aug 17 13:14	22°♋39'54	
	6760 Aug 27 06:41	0°♌	
	6760 Oct 07 10:35	0°♍	
	6760 Nov 20 23:11	0°♎	
	6761 Jan 11 16:52	0°♏	
retrograde	6761 Mar 19 12:06	20°♏27'59	
min. Earth dist.	6761 Apr 27 04:33	11°♏15'43	0.66970 AU
opposition	6761 Apr 28 22:40	10°♏33'39	3°17'09
greatest brilliancy	6761 Apr 28 18:07	10°♏38'12	-1.3m
direct	6761 Jun 08 03:24	1°♏00'31	
desc. node	6761 Aug 12 10:31	19°♏08'52	
	6761 Sep 03 14:43	0°♐	
	6761 Oct 26 09:52	0°♑	
	6761 Dec 12 04:40	0°♒	
	6762 Jan 24 07:10	0°♓	
evening set	6762 Mar 04 04:38	28°♓46'55	
	6762 Mar 05 19:10	0°♈	
	6762 Apr 13 14:11	0°♉	
max. Earth dist.	6762 Apr 13 12:50	29°♈57'23	2.37125 AU
conjunction	6762 May 07 02:21	18°♉31'52	-0°39'42
minimum elong	6762 May 07 05:36	18°♉38'18	0°39'42
	6762 May 21 14:03	0°♊	
	6762 Jun 28 16:35	0°♋	
asc. node	6762 Jul 05 13:19	5°♋20'31	
morning rise	6762 Jul 18 16:59	15°♋30'03	
	6762 Aug 06 18:25	0°♌	
	6762 Sep 16 14:19	0°♍	
	6762 Oct 29 21:32	0°♎	
	6762 Dec 15 15:13	0°♏	
	6763 Feb 06 19:29	0°♐	
retrograde	6763 Apr 22 19:58	23°♐25'37	
opposition	6763 Jun 01 18:16	14°♐00'19	0°59'22
greatest brilliancy	6763 Jun 01 20:22	13°♐58'16	-1.3m
min. Earth dist.	6763 Jun 03 19:38	13°♐11'37	0.67470 AU
desc. node	6763 Jun 30 09:30	5°♐03'09	
direct	6763 Jul 13 05:30	4°♐00'12	
	6763 Sep 30 23:00	0°♑	
	6763 Nov 20 21:09	0°♒	
	6764 Jan 04 02:15	0°♓	
	6764 Feb 13 19:43	0°♈	
	6764 Mar 23 13:56	0°♉	
	6764 Apr 30 13:01	0°♊	
evening set	6764 May 12 07:41	9°♊18'21	
asc. node	6764 May 22 12:25	17°♊20'04	
	6764 Jun 07 17:21	0°♋	
	6764 Jul 16 23:38	0°♌	
conjunction	6764 Jul 19 23:30	2°♌14'22	0°38'06
minimum elong	6764 Jul 19 20:47	2°♌09'18	0°38'01
	6764 Aug 27 00:03	0°♍	
max. Earth dist.	6764 Sep 04 16:01	6°♍08'47	2.47663 AU
morning rise	6764 Sep 19 09:11	16°♍26'13	
	6764 Oct 09 04:52	0°♎	
	6764 Nov 23 19:58	0°♏	
	6765 Jan 11 08:18	0°♐	
	6765 Mar 05 22:33	0°♑	
desc. node	6765 May 17 08:08	26°♑53'30	
retrograde	6765 May 29 17:52	27°♑46'22	
opposition	6765 Jul 06 21:34	19°♑13'50	-1°52'20
greatest brilliancy	6765 Jul 07 06:14	19°♑05'32	-1.6m
min. Earth dist.	6765 Jul 12 15:39	17°♑01'52	0.61427 AU
direct	6765 Aug 16 23:57	9°♑18'53	
	6765 Oct 22 04:39	0°♒	
	6765 Dec 10 17:28	0°♓	
	6766 Jan 21 23:46	0°♈	
	6766 Mar 02 08:58	0°♉	
asc. node	6766 Apr 09 10:46	29°♉46'01	
	6766 Apr 09 17:55	0°♊	
	6766 May 18 08:45	0°♋	
	6766 Jun 27 03:31	0°♌	
evening set	6766 Jul 19 16:11	16°♌26'13	
	6766 Aug 07 17:01	0°♍	
conjunction	6766 Sep 13 20:59	25°♍39'32	1°07'16
minimum elong	6766 Sep 13 20:49	25°♍39'16	1°07'16
	6766 Sep 20 07:24	0°♎	
max. Earth dist.	6766 Oct 08 22:04	12°♎24'17	2.59590 AU
morning rise	6766 Nov 03 01:12	28°♎50'01	
	6766 Nov 04 20:31	0°♏	
	6766 Dec 22 02:24	0°♐	
	6767 Feb 09 01:20	0°♑	
	6767 Apr 01 21:00	0°♒	
desc. node	6767 Apr 04 06:36	1°♒19'10	
	6767 Jun 02 21:28	0°♓	
retrograde	6767 Jul 17 11:13	9°♓43'16	
opposition	6767 Aug 21 04:43	2°♓42'29	-5°05'52
greatest brilliancy	6767 Aug 22 16:46	2°♓11'07	-2.1m
	6767 Aug 29 00:14	30°♑℞♒	
min. Earth dist.	6767 Aug 29 18:16	29°♒44'47	0.49595 AU
direct	6767 Sep 28 06:15	24°♒05'59	
	6767 Oct 29 00:05	0°♓	
	6767 Dec 24 09:30	0°♈	
	6768 Feb 05 06:33	0°♉	
asc. node	6768 Feb 25 10:47	14°♉58'20	
	6768 Mar 16 10:19	0°♊	
	6768 Apr 25 09:15	0°♋	
	6768 Jun 05 08:43	0°♌	
	6768 Jul 18 00:03	0°♍	
	6768 Aug 31 11:11	0°♎	
evening set	6768 Sep 06 06:44	3°♎50'30	
	6768 Oct 16 11:35	0°♏	
conjunction	6768 Oct 24 15:44	5°♏14'59	0°53'36
minimum elong	6768 Oct 24 16:52	5°♏16'47	0°53'37
max. Earth dist.	6768 Nov 01 22:25	10°♏33'02	2.66471 AU
	6768 Dec 02 11:58	0°♐	
morning rise	6768 Dec 08 19:16	3°♐59'38	
	6769 Jan 18 23:13	0°♑	
desc. node	6769 Feb 19 05:02	19°♑40'57	
	6769 Mar 07 14:59	0°♒	
	6769 Apr 24 17:17	0°♓	
	6769 Jun 13 10:13	0°♈	
	6769 Aug 09 10:15	0°♉	
retrograde	6769 Sep 26 22:26	12°♉14'59	
opposition	6769 Oct 26 23:45	7°♉15'59	-5°09'37
greatest brilliancy	6769 Oct 27 19:57	7°♉02'19	-2.9m
min. Earth dist.	6769 Oct 30 12:31	6°♉18'49	0.37657 AU
direct	6769 Nov 26 16:52	1°♉55'37	
asc. node	6770 Jan 12 10:41	14°♉39'52	
	6770 Feb 09 14:59	0°♊	
	6770 Mar 28 15:14	0°♋	
	6770 May 12 11:46	0°♌	
	6770 Jun 26 16:52	0°♍	
	6770 Aug 11 22:04	0°♎	
	6770 Sep 28 00:08	0°♏	
evening set	6770 Oct 15 18:14	11°♏14'21	
	6770 Nov 14 09:31	0°♐	
max. Earth dist.	6770 Nov 24 18:31	6°♐35'02	2.67859 AU
conjunction	6770 Nov 29 22:36	9°♐52'15	0°19'51
minimum elong	6770 Nov 29 23:11	9°♐53'10	0°19'54
	6770 Dec 31 10:06	0°♑	
desc. node	6771 Jan 07 03:11	4°♑19'28	

morning rise	6771 Jan 12 17:01	7°♉55'34	
	6771 Feb 15 13:21	0°♒	
	6771 Apr 01 13:38	0°♓	
	6771 May 15 10:55	0°♈	
	6771 Jun 27 10:17	0°♉	
	6771 Aug 09 04:46	0°♊	
	6771 Sep 23 00:12	0°♋	
	6771 Nov 25 17:10	0°♌	
asc. node	6771 Nov 30 09:05	0°♌50'23	
retrograde	6771 Dec 11 00:58	1°♌39'02	
	6771 Dec 26 01:42	30°℞♋	
min. Earth dist.	6772 Jan 06 09:08	26°♋56'36	0.42043 AU
greatest brilliancy	6772 Jan 13 11:10	24°♋39'31	-2.7m
opposition	6772 Jan 14 09:23	24°♋21'27	2°52'36
direct	6772 Feb 14 16:32	18°♋21'29	
	6772 Apr 01 18:24	0°♌	
	6772 May 30 02:59	0°♍	
	6772 Jul 20 04:17	0°♎	
	6772 Sep 07 15:08	0°♏	
	6772 Oct 26 02:21	0°♐	
evening set	6772 Nov 19 23:39	15°♐42'12	
desc. node	6772 Nov 24 02:02	18°♐18'50	
	6772 Dec 12 06:56	0°♑	
max. Earth dist.	6772 Dec 16 22:39	3°♑00'53	2.63783 AU
conjunction	6773 Jan 04 01:22	14°♑51'11	-0°21'38
minimum elong	6773 Jan 04 00:42	14°♑50'04	0°21'34
	6773 Jan 26 19:43	0°♒	
morning rise	6773 Feb 18 17:09	15°♒33'27	
	6773 Mar 11 12:41	0°♓	
	6773 Apr 22 11:51	0°♈	
	6773 Jun 02 00:23	0°♉	
	6773 Jul 11 15:07	0°♊	
	6773 Aug 20 05:04	0°♋	
	6773 Sep 30 04:26	0°♌	
asc. node	6773 Oct 17 08:44	11°♌53'17	
	6773 Nov 14 16:16	0°♍	
retrograde	6774 Jan 28 08:44	27°♍35'38	
min. Earth dist.	6774 Mar 01 06:08	20°♍40'48	0.55506 AU
greatest brilliancy	6774 Mar 06 23:14	18°♍28'18	-1.8m
opposition	6774 Mar 08 04:59	17°♍59'29	5°02'47
direct	6774 Apr 13 04:32	9°♍54'29	
	6774 Jun 20 14:46	0°♎	
	6774 Aug 16 16:09	0°♏	
	6774 Oct 06 18:43	0°♐	
desc. node	6774 Oct 12 01:02	3°♐12'05	
	6774 Nov 23 20:58	0°♑	
evening set	6774 Dec 27 20:05	22°♑13'54	
	6775 Jan 08 09:11	0°♒	
max. Earth dist.	6775 Jan 13 21:57	3°♒45'39	2.54521 AU
conjunction	6775 Feb 14 06:45	25°♒34'53	-0°57'46
minimum elong	6775 Feb 14 05:28	25°♒32'36	0°57'43
	6775 Feb 20 11:44	0°♓	
	6775 Apr 02 12:29	0°♈	
morning rise	6775 Apr 08 08:10	4°♈21'38	
	6775 May 11 23:46	0°♉	
	6775 Jun 19 13:44	0°♊	
	6775 Jul 28 02:15	0°♋	
asc. node	6775 Sep 04 07:40	29°♋06'16	
	6775 Sep 05 12:29	0°♌	
	6775 Oct 17 01:36	0°♍	
	6775 Dec 01 20:27	0°♎	
	6776 Jan 30 02:53	0°♏	
retrograde	6776 Mar 06 01:53	7°♏12'59	
	6776 Apr 08 09:59	30°℞♎	
min. Earth dist.	6776 Apr 12 02:55	28°♎32'30	0.64965 AU

opposition	6776 Apr 15 09:25	27°♎14'09	4°00'01
greatest brilliancy	6776 Apr 14 22:43	27°♎24'49	-1.4m
direct	6776 May 24 16:50	17°♎58'45	
	6776 Jul 14 18:04	0°♏	
desc. node	6776 Aug 29 00:05	21°♏28'01	
	6776 Sep 13 16:13	0°♐	
	6776 Nov 03 08:01	0°♑	
	6776 Dec 19 12:52	0°♒	
	6777 Jan 31 12:58	0°♓	
evening set	6777 Feb 10 09:11	7°♓08'04	
max. Earth dist.	6777 Feb 27 06:03	19°♓34'47	2.41512 AU
	6777 Mar 13 02:49	0°♈	
conjunction	6777 Apr 09 11:00	20°♈58'40	-0°59'24
minimum elong	6777 Apr 09 13:08	21°♈02'48	0°59'24
	6777 Apr 21 00:56	0°♉	
	6777 May 29 03:20	0°♊	
morning rise	6777 Jun 17 13:59	15°♊20'04	
	6777 Jul 06 07:08	0°♋	
asc. node	6777 Jul 22 05:18	12°♋20'45	
	6777 Aug 14 09:14	0°♌	
	6777 Sep 24 05:51	0°♍	
	6777 Nov 06 18:54	0°♎	
	6777 Dec 24 13:21	0°♏	
	6778 Feb 21 06:49	0°♐	
retrograde	6778 Apr 09 08:16	10°♐54'01	
opposition	6778 May 19 14:45	1°♐14'44	1°56'45
greatest brilliancy	6778 May 19 16:03	1°♐13'26	-1.3m
min. Earth dist.	6778 May 20 04:13	1°♐01'22	0.68053 AU
	6778 May 22 18:15	30°℞♏	
direct	6778 Jun 29 18:21	21°♏22'12	
desc. node	6778 Jul 16 23:10	23°♏01'38	
	6778 Aug 10 17:32	0°♐	
	6778 Oct 11 15:27	0°♑	
	6778 Nov 29 06:54	0°♒	
	6779 Jan 11 21:57	0°♓	
	6779 Feb 21 11:46	0°♈	
	6779 Apr 01 05:20	0°♉	
evening set	6779 Apr 14 00:59	10°♉06'30	
	6779 May 09 03:42	0°♊	
asc. node	6779 Jun 09 04:24	24°♊28'20	
	6779 Jun 16 06:13	0°♋	
conjunction	6779 Jun 23 04:42	5°♋23'31	0°09'55
minimum elong	6779 Jun 23 03:40	5°♋21'32	0°09'50
behind sun begin	6779 Jun 22 03:44	4°♋35'09	
behind sun end	6779 Jun 24 03:35	6°♋07'52	
	6779 Jul 25 09:36	0°♌	
max. Earth dist.	6779 Aug 15 00:02	15°♌18'17	2.42125 AU
morning rise	6779 Aug 29 14:53	25°♌56'07	
	6779 Sep 04 06:46	0°♍	
	6779 Oct 17 10:21	0°♎	
	6779 Dec 02 06:57	0°♏	
	6780 Jan 20 20:58	0°♐	
	6780 Mar 19 08:44	0°♑	
retrograde	6780 May 14 05:08	14°♑07'57	
desc. node	6780 Jun 02 22:32	11°♑39'44	
opposition	6780 Jun 22 05:37	5°♑11'27	-0°41'56
greatest brilliancy	6780 Jun 22 08:01	5°♑09'07	-1.5m
min. Earth dist.	6780 Jun 26 13:31	3°♑30'33	0.64550 AU
	6780 Jul 06 04:36	30°℞♐	
direct	6780 Aug 02 17:13	25°♐09'23	
	6780 Sep 01 09:09	0°♑	
	6780 Nov 03 20:26	0°♒	
	6780 Dec 20 05:12	0°♓	
	6781 Jan 30 14:57	0°♈	
	6781 Mar 10 15:46	0°♉	

	6781 Apr 17 19:05	0°♊	
asc. node	6781 Apr 26 04:09	6°♊35'31	
	6781 May 26 04:09	0°♋	
evening set	6781 Jun 25 10:00	23°♋04'08	
	6781 Jul 04 16:27	0°♌	
	6781 Aug 14 23:06	0°♍	
conjunction	6781 Aug 25 10:37	7°♍23'10	1°02'46
minimum elong	6781 Aug 25 09:14	7°♍20'46	1°02'45
	6781 Sep 27 08:00	0°♎	
max. Earth dist.	6781 Sep 27 12:15	0°♎07'10	2.55458 AU
morning rise	6781 Oct 18 01:52	13°♎51'11	
	6781 Nov 11 19:34	0°♏	
	6781 Dec 29 08:50	0°♐	
	6782 Feb 17 11:15	0°♑	
	6782 Apr 14 05:27	0°♒	
desc. node	6782 Apr 20 21:23	3°♒09'23	
retrograde	6782 Jun 26 12:06	22°♒04'48	
opposition	6782 Aug 01 19:32	14°♒21'39	-3°51'34
greatest brilliancy	6782 Aug 02 19:58	13°♒59'16	-1.9m
min. Earth dist.	6782 Aug 09 13:10	11°♒32'16	0.54767 AU
direct	6782 Sep 10 12:26	5°♒00'39	
	6782 Nov 20 21:23	0°♓	
	6783 Jan 05 22:17	0°♈	
	6783 Feb 15 15:55	0°♉	
asc. node	6783 Mar 14 02:25	20°♉13'22	
	6783 Mar 26 19:14	0°♊	
	6783 May 05 00:50	0°♋	
	6783 Jun 14 09:42	0°♌	
	6783 Jul 26 12:15	0°♍	
evening set	6783 Aug 20 16:36	17°♍18'37	
	6783 Sep 08 13:14	0°♎	
conjunction	6783 Oct 10 10:12	20°♎59'56	1°02'10
minimum elong	6783 Oct 10 11:07	21°♎01'27	1°02'12
	6783 Oct 24 07:23	0°♏	
max. Earth dist.	6783 Oct 24 17:01	0°♏15'33	2.64428 AU
morning rise	6783 Nov 26 00:15	20°♏55'55	
	6783 Dec 10 07:51	0°♐	
	6784 Jan 27 04:50	0°♑	
desc. node	6784 Mar 07 19:15	25°♑01'55	
	6784 Mar 15 23:07	0°♒	
	6784 May 05 15:43	0°♓	
	6784 Jul 02 08:58	0°♈	
retrograde	6784 Aug 26 07:35	14°♈23'32	
opposition	6784 Sep 26 20:54	8°♈44'09	-6°11'52
greatest brilliancy	6784 Sep 28 13:43	8°♈13'15	-2.6m
min. Earth dist.	6784 Oct 04 06:17	6°♈30'44	0.41365 AU
direct	6784 Oct 30 19:35	2°♈03'33	
	6785 Jan 12 01:15	0°♉	
asc. node	6785 Jan 29 02:37	10°♉53'57	
	6785 Feb 26 02:40	0°♊	
	6785 Apr 09 12:26	0°♋	
	6785 May 22 03:47	0°♌	
	6785 Jul 05 00:35	0°♍	
	6785 Aug 19 09:05	0°♎	
evening set	6785 Oct 01 03:19	27°♎34'09	
	6785 Oct 04 22:39	0°♏	
conjunction	6785 Nov 16 03:32	26°♏50'30	0°34'22
minimum elong	6785 Nov 16 04:28	26°♏51'58	0°34'24
max. Earth dist.	6785 Nov 16 02:07	26°♏48'15	2.67978 AU
	6785 Nov 21 02:54	0°♐	
morning rise	6785 Dec 30 01:49	24°♐47'05	
	6786 Jan 07 05:44	0°♑	
desc. node	6786 Jan 23 17:16	10°♑33'54	
	6786 Feb 22 19:49	0°♒	
	6786 Apr 09 17:23	0°♓	
	6786 May 25 00:49	0°♈	
	6786 Jul 09 05:45	0°♉	
	6786 Aug 25 03:36	0°♊	
	6786 Oct 27 16:57	0°♋	
retrograde	6786 Nov 15 02:52	2°♋18'04	
	6786 Dec 03 18:51	30°℞♊	
min. Earth dist.	6786 Dec 11 17:18	27°♊55'53	0.37973 AU
opposition	6786 Dec 16 19:19	26°♊28'58	-0°01'30
greatest brilliancy	6786 Dec 16 19:17	26°♊28'59	-3.0m
asc. node	6786 Dec 17 03:24	26°♊23'12	
direct	6787 Jan 15 09:04	21°♊21'36	
	6787 Feb 23 08:10	0°♋	
	6787 Apr 22 17:30	0°♌	
	6787 Jun 11 08:15	0°♍	
	6787 Jul 29 18:14	0°♎	
	6787 Sep 16 00:43	0°♏	
	6787 Nov 02 23:22	0°♐	
evening set	6787 Nov 06 23:59	2°♐32'22	
max. Earth dist.	6787 Dec 08 15:21	22°♐39'49	2.66014 AU
desc. node	6787 Dec 11 15:49	24°♐36'06	
	6787 Dec 20 00:58	0°♑	
conjunction	6787 Dec 21 18:27	1°♑07'00	-0°05'25
minimum elong	6787 Dec 21 18:17	1°♑06'45	0°05'21
behind sun begin	6787 Dec 21 00:32	0°♑38'04	
behind sun end	6787 Dec 22 12:03	1°♑35'27	
	6788 Feb 03 17:52	0°♒	
morning rise	6788 Feb 04 05:24	0°♒19'15	
	6788 Mar 18 20:46	0°♓	
	6788 Apr 30 10:00	0°♈	
	6788 Jun 10 15:17	0°♉	
	6788 Jul 21 00:34	0°♊	
	6788 Aug 30 14:03	0°♋	
	6788 Oct 12 10:28	0°♌	
asc. node	6788 Nov 03 01:49	13°♌37'18	
	6788 Dec 04 19:00	0°♍	
retrograde	6789 Jan 11 04:15	8°♍43'47	
min. Earth dist.	6789 Feb 09 17:34	2°♍40'58	0.50365 AU
greatest brilliancy	6789 Feb 16 08:23	0°♍13'49	-2.1m
	6789 Feb 16 23:11	30°℞♌	
opposition	6789 Feb 17 18:20	29°♌42'12	4°50'22
direct	6789 Mar 24 00:17	22°♌18'48	
	6789 May 01 03:34	0°♍	
	6789 Jul 03 16:19	0°♎	
	6789 Aug 25 09:37	0°♏	
	6789 Oct 14 04:20	0°♐	
desc. node	6789 Oct 28 14:46	8°♐56'55	
	6789 Nov 30 19:49	0°♑	
evening set	6789 Dec 12 14:18	7°♑37'43	
max. Earth dist.	6790 Jan 02 03:18	21°♑09'58	2.58726 AU
	6790 Jan 15 07:07	0°♒	
conjunction	6790 Jan 28 04:42	8°♒47'01	-0°45'38
minimum elong	6790 Jan 28 03:25	8°♒44'49	0°45'35
	6790 Feb 27 14:22	0°♓	
morning rise	6790 Mar 18 09:55	13°♓29'34	
	6790 Apr 09 22:30	0°♈	
	6790 May 19 17:55	0°♉	
	6790 Jun 27 15:18	0°♊	
	6790 Aug 05 10:22	0°♋	
	6790 Sep 14 04:48	0°♌	
asc. node	6790 Sep 20 23:40	4°♌58'40	
	6790 Oct 26 11:42	0°♍	
	6790 Dec 13 22:15	0°♎	
retrograde	6791 Feb 21 03:08	23°♎04'56	
min. Earth dist.	6791 Mar 28 08:16	15°♎01'06	0.61991 AU

greatest brilliancy	6791 Apr 01 08:38	13°♎25'26	-1.5m
opposition	6791 Apr 02 02:41	13°♎07'31	4°34'51
direct	6791 May 10 07:34	4°♎14'42	
	6791 Jul 30 09:23	0°♏	
desc. node	6791 Sep 15 14:12	25°♏25'41	
	6791 Sep 23 12:06	0°♐	
	6791 Nov 11 20:33	0°♑	
	6791 Dec 27 16:45	0°♒	
evening set	6792 Jan 23 04:45	18°♒16'20	
max. Earth dist.	6792 Feb 06 07:15	28°♒16'26	2.46820 AU
	6792 Feb 08 17:01	0°♓	
conjunction	6792 Mar 16 11:41	27°♓01'45	-1°06'05
minimum elong	6792 Mar 16 11:51	27°♓02'02	1°06'06
	6792 Mar 20 10:28	0°♈	
	6792 Apr 28 13:02	0°♉	
morning rise	6792 May 17 19:10	15°♉03'35	
	6792 Jun 05 19:04	0°♊	
	6792 Jul 14 00:57	0°♋	
asc. node	6792 Aug 07 23:06	19°♋13'40	
	6792 Aug 22 04:16	0°♌	
	6792 Oct 02 03:35	0°♍	
	6792 Nov 15 03:38	0°♎	
	6793 Jan 03 19:18	0°♏	
retrograde	6793 Mar 27 01:57	28°♏17'58	
opposition	6793 May 06 12:41	18°♏27'56	2°49'09
greatest brilliancy	6793 May 06 10:48	18°♏29'48	-1.3m
min. Earth dist.	6793 May 05 14:20	18°♏50'12	0.67632 AU
direct	6793 Jun 16 03:26	8°♏46'47	
desc. node	6793 Aug 02 13:54	19°♏23'20	
	6793 Aug 26 20:16	0°♐	
	6793 Oct 20 19:13	0°♑	
	6793 Dec 07 03:43	0°♒	
	6794 Jan 19 10:37	0°♓	
	6794 Feb 28 23:19	0°♈	
evening set	6794 Mar 18 00:47	13°♈04'31	
	6794 Apr 08 17:57	0°♉	
	6794 May 16 17:13	0°♊	
conjunction	6794 May 24 00:15	5°♊46'27	-0°23'02
minimum elong	6794 May 24 02:36	5°♊51'07	0°23'03
	6794 Jun 23 19:21	0°♋	
asc. node	6794 Jun 25 21:05	1°♋36'56	
max. Earth dist.	6794 Jun 28 15:47	3°♋46'43	2.37245 AU
	6794 Aug 01 21:08	0°♌	
morning rise	6794 Aug 04 00:07	1°♌35'54	
	6794 Sep 11 16:25	0°♍	
	6794 Oct 24 20:33	0°♎	
	6794 Dec 10 03:13	0°♏	
	6795 Jan 30 12:09	0°♐	
	6795 Apr 16 14:15	0°♑	
retrograde	6795 Apr 30 17:43	1°♑09'01	
	6795 May 14 03:36	30°℞♐	
opposition	6795 Jun 09 09:48	21°♐52'48	0°23'29
greatest brilliancy	6795 Jun 09 11:00	21°♐51'37	-1.4m
min. Earth dist.	6795 Jun 12 06:34	20°♐45'17	0.66721 AU
desc. node	6795 Jun 20 12:59	17°♐38'13	
direct	6795 Jul 20 23:22	11°♐50'26	
	6795 Sep 22 13:18	0°♑	
	6795 Nov 14 23:45	0°♒	
	6795 Dec 29 19:55	0°♓	
	6796 Feb 08 18:19	0°♈	
	6796 Mar 18 14:27	0°♉	
	6796 Apr 25 14:24	0°♊	
asc. node	6796 May 12 19:55	13°♊35'32	
evening set	6796 May 28 21:36	26°♊10'40	
	6796 Jun 02 19:30	0°♋	
	6796 Jul 12 02:58	0°♌	
conjunction	6796 Aug 03 04:22	16°♌17'49	0°49'59
minimum elong	6796 Aug 03 01:49	16°♌13'11	0°49'55
	6796 Aug 22 04:33	0°♍	
max. Earth dist.	6796 Sep 13 23:43	16°♍01'20	2.50630 AU
morning rise	6796 Sep 30 10:55	27°♍19'30	
	6796 Oct 04 09:37	0°♎	
	6796 Nov 18 21:54	0°♏	
	6797 Jan 05 23:03	0°♐	
	6797 Feb 26 20:42	0°♑	
	6797 May 03 08:36	0°♒	
desc. node	6797 May 07 11:33	1°♒17'19	
retrograde	6797 Jun 08 05:22	6°♒29'55	
	6797 Jul 10 23:54	30°℞♑	
opposition	6797 Jul 15 19:29	28°♑12'52	-2°35'11
greatest brilliancy	6797 Jul 16 09:05	28°♑00'00	-1.7m
min. Earth dist.	6797 Jul 22 07:36	25°♑45'38	0.59315 AU
direct	6797 Aug 25 13:34	18°♑26'14	
	6797 Oct 11 04:37	0°♒	
	6797 Dec 03 23:35	0°♓	
	6798 Jan 16 03:59	0°♈	
	6798 Feb 24 22:01	0°♉	
asc. node	6798 Mar 30 20:22	26°♉22'36	
	6798 Apr 04 11:53	0°♊	
	6798 May 13 06:18	0°♋	
	6798 Jun 22 04:28	0°♌	
evening set	6798 Aug 01 00:28	28°♌41'40	
	6798 Aug 02 21:00	0°♍	
	6798 Sep 15 13:43	0°♎	
conjunction	6798 Sep 23 23:55	5°♎38'02	1°06'51
minimum elong	6798 Sep 24 00:16	5°♎38'38	1°06'52
max. Earth dist.	6798 Oct 15 01:27	19°♎32'22	2.61538 AU
	6798 Oct 31 03:25	0°♏	
morning rise	6798 Nov 11 16:04	7°♏25'21	
	6798 Dec 17 06:07	0°♐	
	6799 Feb 03 17:18	0°♑	
desc. node	6799 Mar 25 09:42	29°♑35'01	
	6799 Mar 26 03:01	0°♒	
	6799 May 20 18:58	0°♓	
retrograde	6799 Jul 30 23:26	21°♓28'12	
opposition	6799 Sep 02 14:55	14°♓55'12	-5°41'35
greatest brilliancy	6799 Sep 04 08:13	14°♓20'46	-2.3m
min. Earth dist.	6799 Sep 11 06:16	12°♓03'15	0.46578 AU
direct	6799 Oct 09 11:15	6°♓53'49	
	6799 Dec 14 04:42	0°♈	
	6800 Jan 28 19:59	0°♉	
asc. node	6800 Feb 15 20:02	12°♉56'42	
	6800 Mar 10 00:33	0°♊	
	6800 Apr 19 13:48	0°♋	
	6800 May 30 23:39	0°♌	
	6800 Jul 12 22:53	0°♍	
	6800 Aug 26 15:45	0°♎	
evening set	6800 Sep 15 15:04	13°♎04'42	
	6800 Oct 11 19:31	0°♏	
conjunction	6800 Nov 02 00:04	13°♏33'26	0°47'10
minimum elong	6800 Nov 02 01:11	13°♏35'13	0°47'12
max. Earth dist.	6800 Nov 07 04:48	16°♏52'15	2.67234 AU
	6800 Nov 27 20:30	0°♐	
morning rise	6800 Dec 16 14:02	11°♐52'52	
	6801 Jan 14 03:52	0°♑	
desc. node	6801 Feb 09 07:21	16°♑36'03	
	6801 Mar 02 08:58	0°♒	
	6801 Apr 18 12:28	0°♓	
	6801 Jun 05 02:52	0°♈	

	6801 Jul 25 02:33	0°♉	
	6801 Oct 09 05:35	0°♊	
retrograde	6801 Oct 15 13:17	0°♊15'40	
	6801 Oct 21 19:54	30°℞♉	
opposition	6801 Nov 14 10:00	25°♉18'24	-3°36'57
greatest brilliancy	6801 Nov 14 15:41	25°♉14'39	-3.0m
min. Earth dist.	6801 Nov 14 20:29	25°♉11'28	0.36789 AU
direct	6801 Dec 14 01:40	20°♉22'09	
asc. node	6802 Jan 02 19:02	22°♉53'47	
	6802 Jan 23 11:41	0°♊	
	6802 Mar 19 13:14	0°♋	
	6802 May 05 15:29	0°♌	
	6802 Jun 20 22:47	0°♍	
	6802 Aug 06 18:42	0°♎	
	6802 Sep 23 05:05	0°♏	
evening set	6802 Oct 23 22:22	19°♏21'44	
	6802 Nov 09 18:27	0°♐	
max. Earth dist.	6802 Nov 29 21:18	12°♐46'17	2.67425 AU
conjunction	6802 Dec 07 20:26	17°♐51'02	0°10'46
minimum elong	6802 Dec 07 20:46	17°♐51'34	0°10'48
behind sun begin	6802 Dec 07 06:55	17°♐29'28	
behind sun end	6802 Dec 08 10:36	18°♐13'40	
	6802 Dec 26 18:59	0°♑	
desc. node	6802 Dec 28 05:56	0°♑56'19	
morning rise	6803 Jan 20 17:29	16°♑10'28	
	6803 Feb 10 18:16	0°♒	
	6803 Mar 27 10:24	0°♓	
	6803 May 09 18:49	0°♈	
	6803 Jun 21 00:17	0°♉	
	6803 Aug 01 15:51	0°♊	
	6803 Sep 13 04:18	0°♋	
	6803 Oct 31 10:43	0°♌	
asc. node	6803 Nov 20 18:45	9°♌29'19	
retrograde	6803 Dec 23 13:59	16°♌30'54	
min. Earth dist.	6804 Jan 19 21:02	11°♌22'07	0.44898 AU
greatest brilliancy	6804 Jan 27 00:31	8°♌54'58	-2.5m
opposition	6804 Jan 28 06:45	8°♌28'47	3°54'29
direct	6804 Feb 29 16:00	1°♌57'01	
	6804 May 21 12:32	0°♍	
	6804 Jul 14 01:55	0°♎	
	6804 Sep 02 10:53	0°♏	
	6804 Oct 21 07:59	0°♐	
desc. node	6804 Nov 14 05:18	15°♐00'15	
evening set	6804 Nov 28 02:11	23°♐50'25	
	6804 Dec 07 16:08	0°♑	
max. Earth dist.	6804 Dec 22 14:26	9°♑42'10	2.62179 AU
conjunction	6805 Jan 12 13:24	23°♑32'48	-0°30'53
minimum elong	6805 Jan 12 12:27	23°♑31'13	0°30'49
	6805 Jan 22 04:23	0°♒	
morning rise	6805 Feb 28 05:26	25°♒25'34	
	6805 Mar 06 17:54	0°♓	
	6805 Apr 17 11:30	0°♈	
	6805 May 27 17:32	0°♉	
	6805 Jul 06 01:23	0°♊	
	6805 Aug 14 06:55	0°♋	
	6805 Sep 23 16:08	0°♌	
asc. node	6805 Oct 07 17:12	10°♌00'10	
	6805 Nov 06 10:49	0°♍	
	6806 Jan 01 14:59	0°♎	
retrograde	6806 Feb 06 07:47	7°♎37'26	
min. Earth dist.	6806 Mar 11 11:00	0°♎16'36	0.58050 AU
	6806 Mar 12 04:07	30°℞♍	
opposition	6806 Mar 17 16:20	27°♍50'25	4°57'50
greatest brilliancy	6806 Mar 16 14:28	28°♍15'46	-1.7m
direct	6806 Apr 23 12:49	19°♍26'28	
	6806 Jun 09 05:42	0°♎	
	6806 Aug 10 08:40	0°♏	
	6806 Oct 01 14:33	0°♐	
desc. node	6806 Oct 02 04:21	0°♐20'41	
	6806 Nov 19 02:37	0°♑	
	6807 Jan 03 17:49	0°♒	
evening set	6807 Jan 05 22:55	1°♒30'01	
max. Earth dist.	6807 Jan 21 09:50	12°♒05'58	2.51911 AU
	6807 Feb 15 19:53	0°♓	
conjunction	6807 Feb 24 19:46	6°♓28'22	-1°02'47
minimum elong	6807 Feb 24 18:46	6°♓26'32	1°02'45
	6807 Mar 28 18:06	0°♈	
morning rise	6807 Apr 21 18:14	18°♈11'47	
	6807 May 07 02:05	0°♉	
	6807 Jun 14 12:50	0°♊	
	6807 Jul 22 22:11	0°♋	
asc. node	6807 Aug 25 14:44	25°♋48'25	
	6807 Aug 31 04:39	0°♌	
	6807 Oct 11 10:27	0°♍	
	6807 Nov 25 07:10	0°♎	
	6808 Jan 17 22:29	0°♏	
retrograde	6808 Mar 13 19:04	15°♏21'56	
min. Earth dist.	6808 Apr 20 19:08	6°♏23'22	0.66208 AU
opposition	6808 Apr 23 05:36	5°♏25'01	3°35'53
greatest brilliancy	6808 Apr 22 22:32	5°♏32'03	-1.4m
	6808 May 07 23:15	30°℞♎	
direct	6808 Jun 02 02:12	25°♎59'15	
	6808 Jun 29 15:00	0°♏	
desc. node	6808 Aug 19 03:30	20°♏10'26	
	6808 Sep 07 05:27	0°♐	
	6808 Oct 29 02:22	0°♑	
	6808 Dec 14 16:27	0°♒	
	6809 Jan 26 19:26	0°♓	
evening set	6809 Feb 22 07:13	19°♓24'34	
	6809 Mar 08 09:15	0°♈	
max. Earth dist.	6809 Mar 18 05:18	7°♈29'34	2.38817 AU
	6809 Apr 16 06:14	0°♉	
conjunction	6809 Apr 24 13:24	6°♉30'42	-0°49'54
minimum elong	6809 Apr 24 16:28	6°♉36'44	0°49'54
	6809 May 24 07:18	0°♊	
	6809 Jul 01 09:46	0°♋	
morning rise	6809 Jul 05 07:37	3°♋02'56	
asc. node	6809 Jul 12 14:22	8°♋42'12	
	6809 Aug 09 10:37	0°♌	
	6809 Sep 19 05:16	0°♍	
	6809 Nov 01 12:36	0°♎	
	6809 Dec 18 12:50	0°♏	
	6810 Feb 11 05:59	0°♐	
retrograde	6810 Apr 17 00:23	18°♐34'16	
opposition	6810 May 27 03:27	9°♐02'13	1°23'42
greatest brilliancy	6810 May 27 05:28	9°♐00'13	-1.3m
min. Earth dist.	6810 May 28 12:43	8°♐29'19	0.67865 AU
	6810 Jun 25 11:08	30°℞♏	
direct	6810 Jul 07 12:41	29°♏05'02	
desc. node	6810 Jul 07 02:42	29°♏05'05	
	6810 Jul 20 03:16	0°♐	
	6810 Oct 04 21:55	0°♑	
	6810 Nov 23 20:20	0°♒	
	6811 Jan 06 20:48	0°♓	
	6811 Feb 16 13:42	0°♈	
	6811 Mar 27 08:16	0°♉	
evening set	6811 Apr 30 08:36	26°♉52'50	
	6811 May 04 07:07	0°♊	
asc. node	6811 May 30 13:45	20°♊44'07	
	6811 Jun 11 10:02	0°♋	

conjunction	6811 Jul 09 06:05	21°♋26'16	0°27'01
minimum elong	6811 Jul 09 03:44	21°♋21'46	0°26'55
	6811 Jul 20 13:57	0°♌	
max. Earth dist.	6811 Aug 28 12:18	28°♌35'29	2.45191 AU
	6811 Aug 30 11:30	0°♍	
morning rise	6811 Sep 11 08:24	8°♍25'46	
	6811 Oct 12 13:54	0°♎	
	6811 Nov 27 05:18	0°♏	
	6812 Jan 15 01:12	0°♐	
	6812 Mar 10 02:28	0°♑	
retrograde	6812 May 22 21:31	22°♑19'10	
desc. node	6812 May 24 01:23	22°♑18'40	
opposition	6812 Jun 30 11:38	13°♑35'09	-1°22'18
greatest brilliancy	6812 Jun 30 17:14	13°♑29'46	-1.5m
min. Earth dist.	6812 Jul 05 14:47	11°♑36'37	0.62950 AU
direct	6812 Aug 10 19:45	3°♑36'02	
	6812 Oct 27 06:32	0°♒	
	6812 Dec 14 07:07	0°♓	
	6813 Jan 25 04:44	0°♈	
	6813 Mar 05 10:27	0°♉	
	6813 Apr 12 16:43	0°♊	
asc. node	6813 Apr 16 12:17	2°♊59'43	
	6813 May 21 04:10	0°♋	
	6813 Jun 29 18:54	0°♌	
evening set	6813 Jul 09 12:55	7°♌11'48	
	6813 Aug 10 04:01	0°♍	
conjunction	6813 Sep 05 18:41	18°♍33'00	1°06'14
minimum elong	6813 Sep 05 18:02	18°♍31'54	1°06'14
	6813 Sep 22 14:25	0°♎	
max. Earth dist.	6813 Oct 04 07:43	7°♎51'29	2.57839 AU
morning rise	6813 Oct 27 08:50	23°♎03'21	
	6813 Nov 07 01:27	0°♏	
	6813 Dec 24 09:01	0°♐	
	6814 Feb 11 17:13	0°♑	
	6814 Apr 05 19:47	0°♒	
desc. node	6814 Apr 10 23:34	2°♒42'08	
	6814 Jun 17 19:02	0°♓	
retrograde	6814 Jul 07 22:45	2°♓16'37	
	6814 Jul 27 01:23	30°♑℞♒	
opposition	6814 Aug 12 10:51	24°♒55'41	-4°34'49
greatest brilliancy	6814 Aug 13 18:02	24°♒27'51	-2.0m
min. Earth dist.	6814 Aug 20 17:46	21°♒59'02	0.51984 AU
direct	6814 Sep 20 08:45	15°♒56'23	
	6814 Nov 09 13:49	0°♓	
	6814 Dec 29 14:50	0°♈	
	6815 Feb 09 09:20	0°♉	
asc. node	6815 Mar 04 11:56	17°♉24'54	
	6815 Mar 21 00:42	0°♊	
	6815 Apr 29 14:19	0°♋	
	6815 Jun 09 05:32	0°♌	
	6815 Jul 21 13:36	0°♍	
evening set	6815 Aug 30 22:06	27°♍25'46	
	6815 Sep 03 18:43	0°♎	
conjunction	6815 Oct 19 06:02	29°♎45'03	0°57'34
minimum elong	6815 Oct 19 07:07	29°♎46'48	0°57'36
	6815 Oct 19 15:18	0°♏	
max. Earth dist.	6815 Oct 30 03:25	6°♏45'28	2.65662 AU
morning rise	6815 Dec 03 23:23	28°♏57'16	
	6815 Dec 05 15:00	0°♐	
	6816 Jan 22 05:46	0°♑	
desc. node	6816 Feb 26 22:06	22°♑17'45	
	6816 Mar 10 07:51	0°♒	
	6816 Apr 28 08:56	0°♓	
	6816 Jun 19 11:02	0°♈	
retrograde	6816 Sep 12 14:08	29°♈56'12	
opposition	6816 Oct 13 05:51	24°♈42'52	-5°51'31
greatest brilliancy	6816 Oct 14 13:20	24°♈20'33	-2.8m
min. Earth dist.	6816 Oct 18 20:25	23°♈08'04	0.39040 AU
direct	6816 Nov 14 07:15	18°♈49'57	
	6816 Dec 27 07:02	0°♉	
asc. node	6817 Jan 19 12:11	12°♉14'22	
	6817 Feb 17 01:50	0°♊	
	6817 Apr 02 11:21	0°♋	
	6817 May 16 03:17	0°♌	
	6817 Jun 29 15:29	0°♍	
	6817 Aug 14 09:44	0°♎	
	6817 Sep 30 05:19	0°♏	
evening set	6817 Oct 09 13:55	5°♏56'52	
	6817 Nov 16 12:08	0°♐	
max. Earth dist.	6817 Nov 21 04:32	2°♐58'21	2.68017 AU
conjunction	6817 Nov 24 01:32	4°♐47'52	0°26'02
minimum elong	6817 Nov 24 02:16	4°♐49'03	0°26'05
	6818 Jan 02 13:43	0°♑	
morning rise	6818 Jan 06 20:16	2°♑44'33	
desc. node	6818 Jan 13 20:20	7°♑14'47	
	6818 Feb 17 21:59	0°♒	
	6818 Apr 04 07:27	0°♓	
	6818 May 18 18:38	0°♈	
	6818 Jul 01 14:02	0°♉	
	6818 Aug 14 16:07	0°♊	
	6818 Oct 01 18:37	0°♋	
retrograde	6818 Nov 30 09:58	19°♋52'10	
asc. node	6818 Dec 07 10:34	19°♋30'42	
min. Earth dist.	6818 Dec 26 10:47	15°♋24'26	0.39981 AU
opposition	6819 Jan 02 13:06	13°♋14'37	1°48'07
greatest brilliancy	6819 Jan 02 00:02	13°♋24'37	-2.8m
direct	6819 Feb 01 23:22	7°♋40'15	
	6819 Apr 12 03:11	0°♌	
	6819 Jun 04 10:32	0°♍	
	6819 Jul 24 03:54	0°♎	
	6819 Sep 11 01:11	0°♏	
	6819 Oct 29 06:52	0°♐	
evening set	6819 Nov 14 23:35	10°♐31'43	
desc. node	6819 Dec 01 19:13	21°♐13'53	
max. Earth dist.	6819 Dec 13 23:25	29°♐03'14	2.64888 AU
	6819 Dec 15 10:37	0°♑	
conjunction	6819 Dec 29 20:27	9°♑21'12	-0°14'53
minimum elong	6819 Dec 29 19:59	9°♑20'27	0°14'50
behind sun begin	6819 Dec 29 12:43	9°♑08'35	
behind sun end	6819 Dec 30 03:16	9°♑32'19	
	6820 Jan 30 02:06	0°♒	
morning rise	6820 Feb 12 21:16	9°♒17'51	
	6820 Mar 14 00:16	0°♓	
	6820 Apr 25 06:16	0°♈	
	6820 Jun 05 02:12	0°♉	
	6820 Jul 15 00:33	0°♊	
	6820 Aug 23 22:38	0°♋	
	6820 Oct 04 11:43	0°♌	
asc. node	6820 Oct 24 09:51	13°♌23'46	
	6820 Nov 20 20:40	0°♍	
retrograde	6821 Jan 21 04:52	20°♍16'56	
min. Earth dist.	6821 Feb 21 01:35	13°♍45'05	0.53287 AU
greatest brilliancy	6821 Feb 27 05:33	11°♍24'22	-2.0m
opposition	6821 Feb 28 13:55	10°♍53'30	5°01'56
direct	6821 Apr 04 20:00	3°♍05'54	
	6821 Jun 25 17:59	0°♎	
	6821 Aug 19 16:09	0°♏	
	6821 Oct 09 04:46	0°♐	
desc. node	6821 Oct 18 18:08	5°♐51'49	
	6821 Nov 26 03:03	0°♑	

evening set	6821 Dec 21 04:10	16°♉18'21	
max. Earth dist.	6822 Jan 08 16:20	28°♉39'24	2.56497 AU
	6822 Jan 10 16:03	0°♒	
conjunction	6822 Feb 06 16:22	18°♒33'42	-0°53'05
minimum elong	6822 Feb 06 15:03	18°♒31'23	0°53'03
	6822 Feb 22 21:50	0°♓	
morning rise	6822 Mar 29 20:11	25°♓20'41	
	6822 Apr 05 02:51	0°♈	
	6822 May 14 18:17	0°♉	
	6822 Jun 22 11:45	0°♊	
	6822 Jul 31 02:37	0°♋	
	6822 Sep 08 14:54	0°♌	
asc. node	6822 Sep 11 09:20	2°♌03'14	
	6822 Oct 20 08:40	0°♍	
	6822 Dec 05 21:00	0°♎	
	6823 Feb 12 09:24	0°♏	
retrograde	6823 Mar 01 04:32	1°♏46'34	
	6823 Mar 17 05:46	30°℞♎	
min. Earth dist.	6823 Apr 06 10:52	23°♎22'01	0.63755 AU
opposition	6823 Apr 10 09:45	21°♎47'33	4°15'54
greatest brilliancy	6823 Apr 09 19:56	22°♎01'19	-1.5m
direct	6823 May 19 06:36	12°♎41'32	
	6823 Jul 21 15:48	0°♏	
desc. node	6823 Sep 05 17:10	23°♏17'03	
	6823 Sep 17 17:22	0°♐	
	6823 Nov 06 20:17	0°♑	
	6823 Dec 22 22:46	0°♒	
evening set	6824 Feb 02 18:53	29°♒07'17	
	6824 Feb 04 00:16	0°♓	
max. Earth dist.	6824 Feb 17 10:26	9°♓43'49	2.43871 AU
	6824 Mar 15 16:43	0°♈	
conjunction	6824 Mar 29 13:10	10°♈32'02	-1°03'46
minimum elong	6824 Mar 29 14:24	10°♈34'24	1°03'47
	6824 Apr 23 17:20	0°♉	
	6824 May 31 21:31	0°♊	
morning rise	6824 Jun 03 18:54	2°♊16'49	
	6824 Jul 09 01:51	0°♋	
asc. node	6824 Jul 29 07:14	15°♋39'29	
	6824 Aug 17 03:27	0°♌	
	6824 Sep 26 23:42	0°♍	
	6824 Nov 09 14:39	0°♎	
	6824 Dec 27 21:54	0°♏	
	6825 Mar 01 02:36	0°♐	
retrograde	6825 Apr 03 15:45	6°♐01'56	
	6825 May 04 11:09	30°℞♏	
opposition	6825 May 14 01:17	26°♏17'27	2°19'06
greatest brilliancy	6825 May 14 01:26	26°♏17'18	-1.3m
min. Earth dist.	6825 May 13 22:41	26°♏20'03	0.67990 AU
direct	6825 Jun 24 00:28	16°♏29'35	
desc. node	6825 Jul 23 16:36	21°♏06'22	
	6825 Aug 17 11:09	0°♐	
	6825 Oct 14 21:19	0°♑	
	6825 Dec 02 00:33	0°♒	
	6826 Jan 14 13:31	0°♓	
	6826 Feb 24 03:58	0°♈	
evening set	6826 Apr 01 19:40	28°♈20'15	
	6826 Apr 03 22:29	0°♉	
	6826 May 11 21:17	0°♊	
conjunction	6826 Jun 10 02:21	23°♊03'42	-0°04'25
minimum elong	6826 Jun 10 02:49	23°♊04'37	0°04'28
behind sun begin	6826 Jun 08 21:24	22°♊06'56	
behind sun end	6826 Jun 11 08:13	24°♊02'16	
asc. node	6826 Jun 16 05:42	27°♊52'17	
	6826 Jun 18 23:06	0°♋	
	6826 Jul 28 00:40	0°♌	
max. Earth dist.	6826 Jul 31 11:12	2°♌35'09	2.39716 AU
morning rise	6826 Aug 18 23:19	16°♌19'29	
	6826 Sep 06 19:39	0°♍	
	6826 Oct 19 21:36	0°♎	
	6826 Dec 04 20:08	0°♏	
	6827 Jan 23 22:57	0°♐	
	6827 Mar 26 23:27	0°♑	
retrograde	6827 May 08 21:29	9°♑00'47	
desc. node	6827 Jun 10 15:59	2°♑25'56	
opposition	6827 Jun 17 06:04	29°♐54'55	-0°14'08
greatest brilliancy	6827 Jun 17 06:47	29°♐54'12	-1.4m
	6827 Jun 17 00:51	30°℞♐	
min. Earth dist.	6827 Jun 20 22:21	28°♐28'47	0.65646 AU
direct	6827 Jul 28 19:59	19°♐52'06	
	6827 Sep 11 17:36	0°♑	
	6827 Nov 08 15:32	0°♒	
	6827 Dec 24 08:45	0°♓	
	6828 Feb 03 14:34	0°♈	
	6828 Mar 13 13:47	0°♉	
	6828 Apr 20 15:38	0°♊	
asc. node	6828 May 03 05:41	9°♊55'09	
	6828 May 28 22:18	0°♋	
evening set	6828 Jun 13 17:51	12°♋11'01	
	6828 Jul 07 07:15	0°♌	
conjunction	6828 Aug 16 03:52	29°♌05'52	0°58'27
minimum elong	6828 Aug 16 01:57	29°♌02'26	0°58'24
	6828 Aug 17 10:17	0°♍	
max. Earth dist.	6828 Sep 22 00:48	24°♍48'56	2.53377 AU
	6828 Sep 29 15:51	0°♎	
morning rise	6828 Oct 10 17:18	7°♎26'17	
	6828 Nov 14 02:13	0°♏	
	6828 Dec 31 18:35	0°♐	
	6829 Feb 20 11:16	0°♑	
	6829 Apr 19 20:39	0°♒	
desc. node	6829 Apr 27 14:42	3°♒17'04	
retrograde	6829 Jun 18 07:24	15°♒39'10	
opposition	6829 Jul 25 05:56	7°♒39'58	-3°18'59
greatest brilliancy	6829 Jul 26 01:25	7°♒21'50	-1.8m
min. Earth dist.	6829 Aug 01 11:36	4°♒58'59	0.56892 AU
	6829 Aug 17 17:29	30°℞♑	
direct	6829 Sep 03 12:08	28°♑05'41	
	6829 Sep 20 22:45	0°♒	
	6829 Nov 26 07:19	0°♓	
	6830 Jan 09 22:13	0°♈	
	6830 Feb 19 04:40	0°♉	
asc. node	6830 Mar 21 04:16	23°♉07'03	
	6830 Mar 30 01:29	0°♊	
	6830 May 08 01:14	0°♋	
	6830 Jun 17 03:59	0°♌	
	6830 Jul 29 00:43	0°♍	
evening set	6830 Aug 12 11:21	10°♍02'12	
	6830 Sep 10 20:31	0°♎	
conjunction	6830 Oct 03 12:28	15°♎02'08	1°04'40
minimum elong	6830 Oct 03 13:12	15°♎03'20	1°04'42
max. Earth dist.	6830 Oct 20 19:47	26°♎20'10	2.63237 AU
	6830 Oct 26 11:32	0°♏	
morning rise	6830 Nov 19 22:44	15°♏42'18	
	6830 Dec 12 11:55	0°♐	
	6831 Jan 29 14:00	0°♑	
desc. node	6831 Mar 15 12:40	27°♑21'20	
	6831 Mar 19 22:57	0°♒	
	6831 May 11 06:55	0°♓	
	6831 Jul 17 15:53	0°♈	
retrograde	6831 Aug 14 19:14	4°♈19'33	

	6831 Sep 10 14:44	30°℞♓	
opposition	6831 Sep 16 06:14	28°♓16'11	-6°05'50
greatest brilliancy	6831 Sep 18 01:30	27°♓41'50	-2.5m
min. Earth dist.	6831 Sep 24 11:07	25°♓40'42	0.43596 AU
direct	6831 Oct 21 14:30	20°♓57'02	
	6831 Nov 28 16:02	0°♈	
	6832 Jan 20 02:45	0°♉	
asc. node	6832 Feb 06 03:51	11°♉38'50	
	6832 Mar 02 23:36	0°♊	
	6832 Apr 13 09:38	0°♋	
	6832 May 25 09:11	0°♌	
	6832 Jul 07 18:33	0°♍	
	6832 Aug 21 18:36	0°♎	
evening set	6832 Sep 24 14:42	21°♎58'04	
	6832 Oct 07 03:00	0°♏	
conjunction	6832 Nov 10 03:30	21°♏41'40	0°39'56
minimum elong	6832 Nov 10 04:32	21°♏43'18	0°39'59
max. Earth dist.	6832 Nov 12 08:14	23°♏05'27	2.67759 AU
	6832 Nov 23 05:17	0°♐	
morning rise	6832 Dec 24 07:15	19°♐44'33	
	6833 Jan 09 09:58	0°♑	
desc. node	6833 Jan 30 10:48	13°♑25'50	
	6833 Feb 25 06:34	0°♒	
	6833 Apr 12 16:21	0°♓	
	6833 May 28 20:54	0°♈	
	6833 Jul 14 15:44	0°♉	
	6833 Sep 03 15:33	0°♊	
retrograde	6833 Nov 02 04:42	18°♊48'00	
min. Earth dist.	6833 Nov 30 00:48	14°♊16'17	0.37008 AU
opposition	6833 Dec 02 20:45	13°♊30'01	-1°36'36
greatest brilliancy	6833 Dec 02 18:40	13°♊31'26	-3.0m
asc. node	6833 Dec 24 04:42	9°♊01'10	
direct	6834 Jan 01 04:42	8°♊35'20	
	6834 Mar 07 16:38	0°♋	
	6834 Apr 28 00:01	0°♌	
	6834 Jun 14 20:38	0°♍	
	6834 Aug 01 11:21	0°♎	
	6834 Sep 18 08:07	0°♏	
evening set	6834 Nov 01 00:18	27°♏25'05	
	6834 Nov 05 02:32	0°♐	
max. Earth dist.	6834 Dec 05 00:20	18°♐59'20	2.66755 AU
conjunction	6834 Dec 15 18:46	25°♐53'18	0°01'24
minimum elong	6834 Dec 15 18:50	25°♐53'25	0°01'28
behind sun begin	6834 Dec 15 00:25	25°♐23'51	
behind sun end	6834 Dec 16 13:15	26°♐23'00	
desc. node	6834 Dec 18 09:06	27°♐33'32	
	6834 Dec 22 04:02	0°♑	
morning rise	6835 Jan 28 21:49	24°♑37'35	
	6835 Feb 06 00:27	0°♒	
	6835 Mar 22 09:39	0°♓	
	6835 May 04 07:41	0°♈	
	6835 Jun 14 23:09	0°♉	
	6835 Jul 25 20:17	0°♊	
	6835 Sep 05 01:26	0°♋	
	6835 Oct 19 08:48	0°♌	
asc. node	6835 Nov 11 03:27	13°♌15'17	
	6836 Jan 02 03:59	0°♍	
retrograde	6836 Jan 04 00:23	0°♍01'32	
	6836 Jan 05 20:37	30°℞♌	
min. Earth dist.	6836 Feb 01 13:00	24°♌23'14	0.47919 AU
greatest brilliancy	6836 Feb 08 11:01	21°♌53'44	-2.3m
opposition	6836 Feb 09 20:54	21°♌23'03	4°33'42
direct	6836 Mar 14 06:38	14°♌21'40	
	6836 May 10 15:28	0°♍	
	6836 Jul 07 11:49	0°♎	
	6836 Aug 28 02:12	0°♏	
	6836 Oct 16 11:24	0°♐	
desc. node	6836 Nov 04 07:53	11°♐45'17	
	6836 Dec 03 00:23	0°♑	
evening set	6836 Dec 06 07:43	2°♑07'58	
max. Earth dist.	6836 Dec 28 12:04	16°♑37'17	2.60371 AU
	6837 Jan 17 13:16	0°♒	
conjunction	6837 Jan 21 07:48	2°♒32'56	-0°39'41
minimum elong	6837 Jan 21 06:38	2°♒30'58	0°39'38
	6837 Mar 02 00:15	0°♓	
morning rise	6837 Mar 10 06:13	5°♓51'11	
	6837 Apr 12 13:28	0°♈	
	6837 May 22 13:56	0°♉	
	6837 Jun 30 15:52	0°♊	
	6837 Aug 08 14:51	0°♋	
	6837 Sep 17 13:37	0°♌	
asc. node	6837 Sep 28 01:14	7°♌36'53	
	6837 Oct 30 06:53	0°♍	
	6837 Dec 19 14:44	0°♎	
retrograde	6838 Feb 14 21:49	17°♎06'59	
min. Earth dist.	6838 Mar 21 05:35	9°♎21'48	0.60345 AU
opposition	6838 Mar 26 16:06	7°♎12'59	4°46'33
greatest brilliancy	6838 Mar 25 18:36	7°♎34'13	-1.6m
	6838 Apr 18 07:33	30°℞♍	
direct	6838 May 03 07:47	28°♍32'09	
	6838 May 19 05:42	0°♎	
	6838 Aug 03 10:07	0°♏	
desc. node	6838 Sep 22 07:10	27°♏42'08	
	6838 Sep 26 05:07	0°♐	
	6838 Nov 14 05:31	0°♑	
	6838 Dec 30 00:59	0°♒	
evening set	6839 Jan 15 13:22	11°♒17'30	
max. Earth dist.	6839 Jan 29 22:18	21°♒19'26	2.49160 AU
	6839 Feb 11 03:20	0°♓	
conjunction	6839 Mar 08 03:40	18°♓11'40	-1°05'42
minimum elong	6839 Mar 08 03:12	18°♓10'50	1°05'42
	6839 Mar 24 00:05	0°♈	
	6839 May 02 05:40	0°♉	
morning rise	6839 May 06 10:17	3°♉15'28	
	6839 Jun 09 13:57	0°♊	
	6839 Jul 17 20:59	0°♋	
asc. node	6839 Aug 16 00:36	22°♋26'26	
	6839 Aug 26 00:30	0°♌	
	6839 Oct 06 00:40	0°♍	
	6839 Nov 19 05:49	0°♎	
	6840 Jan 09 00:07	0°♏	
retrograde	6840 Mar 21 10:07	23°♏19'12	
min. Earth dist.	6840 Apr 29 07:30	14°♏03'53	0.67121 AU
opposition	6840 Apr 30 21:56	13°♏25'34	3°09'20
greatest brilliancy	6840 Apr 30 18:01	13°♏29'29	-1.3m
direct	6840 Jun 10 05:41	3°♏50'42	
desc. node	6840 Aug 09 06:54	19°♏39'45	
	6840 Aug 31 01:53	0°♐	
	6840 Oct 23 15:31	0°♑	
	6840 Dec 09 17:27	0°♒	
	6841 Jan 21 23:56	0°♓	
	6841 Mar 03 14:18	0°♈	
evening set	6841 Mar 07 07:05	2°♈48'38	
	6841 Apr 11 10:35	0°♉	
max. Earth dist.	6841 Apr 25 12:37	11°♉04'40	2.36869 AU
conjunction	6841 May 10 20:17	23°♉11'14	-0°35'59
minimum elong	6841 May 10 23:25	23°♉17'26	0°36'00
	6841 May 19 10:50	0°♊	
	6841 Jun 26 12:51	0°♋	

asc. node	6841 Jul 02 22:42	4°♋59'43	
morning rise	6841 Jul 22 11:29	20°♋03'51	
	6841 Aug 04 13:18	0°♌	
	6841 Sep 14 06:54	0°♍	
	6841 Oct 27 10:26	0°♎	
	6841 Dec 12 21:21	0°♏	
	6842 Feb 03 05:45	0°♐	
retrograde	6842 Apr 24 18:45	26°♐13'44	
opposition	6842 Jun 03 16:56	16°♐49'56	0°49'01
greatest brilliancy	6842 Jun 03 18:48	16°♐48'06	-1.3m
min. Earth dist.	6842 Jun 05 21:54	15°♐57'48	0.67360 AU
desc. node	6842 Jun 27 06:11	8°♐52'56	
direct	6842 Jul 15 05:57	6°♐49'19	
	6842 Sep 27 09:05	0°♑	
	6842 Nov 18 04:37	0°♒	
	6843 Jan 01 17:10	0°♓	
	6843 Feb 11 14:13	0°♈	
	6843 Mar 22 10:02	0°♉	
	6843 Apr 29 09:24	0°♊	
evening set	6843 May 17 02:33	13°♊59'32	
asc. node	6843 May 20 20:58	16°♊57'28	
	6843 Jun 06 13:00	0°♋	
	6843 Jul 15 17:50	0°♌	
conjunction	6843 Jul 24 09:11	6°♌27'09	0°41'25
minimum elong	6843 Jul 24 06:25	6°♌22'00	0°41'20
	6843 Aug 25 16:19	0°♍	
max. Earth dist.	6843 Sep 08 02:06	9°♍30'15	2.48266 AU
morning rise	6843 Sep 23 02:52	19°♍58'30	
	6843 Oct 07 18:43	0°♎	
	6843 Nov 22 06:35	0°♏	
	6844 Jan 09 13:06	0°♐	
	6844 Mar 02 10:41	0°♑	
desc. node	6844 May 14 04:37	28°♑58'54	
	6844 May 20 14:10	0°♒	
retrograde	6844 May 31 23:16	0°♒45'06	
	6844 Jun 11 21:52	30°℞♑	
opposition	6844 Jul 09 01:32	22°♑15'12	-2°03'59
greatest brilliancy	6844 Jul 09 11:19	22°♑05'53	-1.6m
min. Earth dist.	6844 Jul 14 23:30	20°♑00'04	0.61064 AU
direct	6844 Aug 19 03:48	12°♑21'43	
	6844 Oct 18 05:01	0°♒	
	6844 Dec 07 23:38	0°♓	
	6845 Jan 19 14:22	0°♈	
	6845 Feb 28 02:56	0°♉	
asc. node	6845 Apr 06 21:35	29°♉29'57	
	6845 Apr 07 12:56	0°♊	
	6845 May 16 03:25	0°♋	
	6845 Jun 24 20:55	0°♌	
evening set	6845 Jul 22 16:01	20°♌15'21	
	6845 Aug 05 08:38	0°♍	
conjunction	6845 Sep 16 09:58	29°♍00'45	1°07'20
minimum elong	6845 Sep 16 09:57	29°♍00'44	1°07'20
	6845 Sep 17 21:06	0°♎	
max. Earth dist.	6845 Oct 10 17:59	15°♎14'22	2.59991 AU
	6845 Nov 02 08:21	0°♏	
morning rise	6845 Nov 05 06:26	1°♏53'17	
	6845 Dec 19 11:52	0°♐	
	6846 Feb 06 06:27	0°♑	
	6846 Mar 29 14:37	0°♒	
desc. node	6846 Apr 01 02:41	1°♒23'51	
	6846 May 28 03:04	0°♓	
retrograde	6846 Jul 20 11:51	13°♓14'49	
opposition	6846 Aug 24 00:09	6°♓19'19	-5°14'56
greatest brilliancy	6846 Aug 25 13:45	5°♓46'54	-2.2m
min. Earth dist.	6846 Sep 01 14:48	3°♓21'51	0.49026 AU
	6846 Sep 13 01:45	30°℞♒	
direct	6846 Sep 30 21:40	27°♒48'47	
	6846 Oct 19 00:30	0°♓	
	6846 Dec 21 00:54	0°♈	
	6847 Feb 02 13:39	0°♉	
asc. node	6847 Feb 22 21:28	14°♉58'53	
	6847 Mar 14 22:43	0°♊	
	6847 Apr 23 23:32	0°♋	
	6847 Jun 03 23:12	0°♌	
	6847 Jul 16 13:51	0°♍	
	6847 Aug 29 23:58	0°♎	
evening set	6847 Sep 09 15:10	7°♎01'08	
	6847 Oct 14 23:28	0°♏	
conjunction	6847 Oct 27 19:04	8°♏13'50	0°51'48
minimum elong	6847 Oct 27 20:12	8°♏15'39	0°51'51
max. Earth dist.	6847 Nov 04 11:23	13°♏08'35	2.66635 AU
	6847 Nov 30 23:09	0°♐	
morning rise	6847 Dec 11 19:45	6°♐52'52	
	6848 Jan 17 09:27	0°♑	
desc. node	6848 Feb 17 00:31	19°♑19'38	
	6848 Mar 04 22:59	0°♒	
	6848 Apr 21 19:53	0°♓	
	6848 Jun 09 23:00	0°♈	
	6848 Aug 03 10:54	0°♉	
retrograde	6848 Oct 01 02:03	16°♉57'30	
opposition	6848 Oct 30 23:06	12°♉00'40	-4°51'06
greatest brilliancy	6848 Oct 31 16:25	11°♉49'05	-2.9m
min. Earth dist.	6848 Nov 02 23:57	11°♉11'59	0.37398 AU
direct	6848 Nov 30 10:01	6°♉46'45	
asc. node	6849 Jan 09 20:15	16°♉35'11	
	6849 Feb 05 04:47	0°♊	
	6849 Mar 25 10:50	0°♋	
	6849 May 09 16:26	0°♌	
	6849 Jun 24 01:09	0°♍	
	6849 Aug 09 07:55	0°♎	
	6849 Sep 25 10:47	0°♏	
evening set	6849 Oct 17 20:46	14°♏10'45	
	6849 Nov 11 20:50	0°♐	
max. Earth dist.	6849 Nov 26 07:26	9°♐09'50	2.67794 AU
conjunction	6849 Dec 01 23:20	12°♐45'59	0°17'12
minimum elong	6849 Dec 01 23:50	12°♐46'47	0°17'16
	6849 Dec 28 22:02	0°♑	
desc. node	6850 Jan 03 22:51	3°♑53'06	
morning rise	6850 Jan 14 17:53	10°♑51'31	
	6850 Feb 13 01:39	0°♒	
	6850 Mar 30 01:40	0°♓	
	6850 May 12 21:40	0°♈	
	6850 Jun 24 18:11	0°♉	
	6850 Aug 06 06:29	0°♊	
	6850 Sep 19 08:26	0°♋	
	6850 Nov 14 01:38	0°♌	
asc. node	6850 Nov 27 19:51	4°♌05'52	
retrograde	6850 Dec 14 00:34	5°♌57'03	
min. Earth dist.	6851 Jan 09 13:30	1°♌09'25	0.42551 AU
	6851 Jan 13 03:17	30°℞♋	
opposition	6851 Jan 17 15:33	28°♋30'25	3°10'43
greatest brilliancy	6851 Jan 16 14:57	28°♋50'44	-2.6m
direct	6851 Feb 18 03:39	22°♋24'24	
	6851 Mar 27 01:32	0°♌	
	6851 May 27 16:02	0°♍	
	6851 Jul 18 06:26	0°♎	
	6851 Sep 05 22:23	0°♏	
	6851 Oct 24 12:35	0°♐	
desc. node	6851 Nov 21 22:15	17°♐54'16	
evening set	6851 Nov 23 00:49	18°♐36'32	

	6851 Dec 10 19:24	0°♉	
max. Earth dist.	6851 Dec 19 11:22	5°♉36'40	2.63483 AU
conjunction	6852 Jan 07 04:04	17°♉51'16	-0°24'18
minimum elong	6852 Jan 07 03:19	17°♉50'02	0°24'15
	6852 Jan 25 09:56	0°♒	
morning rise	6852 Feb 22 00:19	18°♒46'27	
	6852 Mar 09 04:05	0°♓	
	6852 Apr 20 03:54	0°♈	
	6852 May 30 16:28	0°♉	
	6852 Jul 09 06:28	0°♊	
	6852 Aug 17 18:16	0°♋	
	6852 Sep 27 12:09	0°♌	
asc. node	6852 Oct 14 18:58	12°♌04'54	
	6852 Nov 11 06:56	0°♍	
	6853 Jan 19 03:55	0°♎	
retrograde	6853 Jan 30 13:49	0°♎53'58	
	6853 Feb 10 17:20	30°℞♍	
min. Earth dist.	6853 Mar 03 17:09	23°♍54'40	0.56013 AU
greatest brilliancy	6853 Mar 09 08:24	21°♍43'51	-1.8m
opposition	6853 Mar 10 13:27	21°♍15'42	5°02'49
direct	6853 Apr 15 18:05	13°♍06'54	
	6853 Jun 16 05:46	0°♎	
	6853 Aug 13 14:34	0°♏	
	6853 Oct 04 01:59	0°♐	
desc. node	6853 Oct 08 21:20	2°♐54'30	
	6853 Nov 21 08:56	0°♉	
evening set	6853 Dec 30 00:31	25°♉17'34	
	6854 Jan 06 00:25	0°♒	
max. Earth dist.	6854 Jan 15 15:35	6°♒32'59	2.54035 AU
conjunction	6854 Feb 16 17:19	28°♒56'03	-0°59'18
minimum elong	6854 Feb 16 16:06	28°♒53'53	0°59'16
	6854 Feb 18 05:13	0°♓	
	6854 Mar 31 07:23	0°♈	
morning rise	6854 Apr 11 08:03	8°♈16'34	
	6854 May 09 19:11	0°♉	
	6854 Jun 17 08:54	0°♊	
	6854 Jul 25 20:16	0°♋	
asc. node	6854 Sep 01 16:22	28°♋53'05	
	6854 Sep 03 04:07	0°♌	
	6854 Oct 14 12:37	0°♍	
	6854 Nov 28 20:24	0°♎	
	6855 Jan 24 11:03	0°♏	
retrograde	6855 Mar 09 00:44	10°♏08'15	
min. Earth dist.	6855 Apr 15 07:24	1°♏24'09	0.65244 AU
opposition	6855 Apr 18 09:59	0°♏09'49	3°53'35
greatest brilliancy	6855 Apr 18 00:09	0°♏19'37	-1.4m
	6855 Apr 18 19:50	30°℞♎	
direct	6855 May 27 21:04	20°♎52'12	
	6855 Jul 10 08:45	0°♏	
desc. node	6855 Aug 26 20:37	21°♏35'21	
	6855 Sep 11 13:27	0°♐	
	6855 Nov 01 16:44	0°♉	
	6855 Dec 18 03:18	0°♒	
	6856 Jan 30 07:00	0°♓	
evening set	6856 Feb 14 00:56	10°♓41'44	
max. Earth dist.	6856 Mar 02 09:58	23°♓34'11	2.40978 AU
	6856 Mar 10 23:07	0°♈	
conjunction	6856 Apr 12 17:07	25°♈09'07	-0°57'33
minimum elong	6856 Apr 12 19:31	25°♈13'48	0°57'34
	6856 Apr 18 22:17	0°♉	
	6856 May 27 00:40	0°♊	
morning rise	6856 Jun 21 11:51	20°♊05'14	
	6856 Jul 04 03:28	0°♋	
asc. node	6856 Jul 19 15:38	12°♋02'47	
	6856 Aug 12 03:37	0°♌	
	6856 Sep 21 21:15	0°♍	
	6856 Nov 04 05:33	0°♎	
	6856 Dec 21 14:10	0°♏	
	6857 Feb 16 11:07	0°♐	
retrograde	6857 Apr 11 06:28	13°♐43'06	
opposition	6857 May 21 13:39	4°♐05'06	1°47'12
greatest brilliancy	6857 May 21 15:07	4°♐03'38	-1.3m
min. Earth dist.	6857 May 22 07:08	3°♐47'46	0.68055 AU
	6857 Jun 01 05:32	30°℞♏	
direct	6857 Jul 01 19:36	24°♏11'32	
desc. node	6857 Jul 13 20:10	25°♏01'42	
	6857 Aug 04 09:21	0°♐	
	6857 Oct 08 12:59	0°♉	
	6857 Nov 26 17:16	0°♒	
	6858 Jan 09 14:05	0°♓	
	6858 Feb 19 07:07	0°♈	
	6858 Mar 30 02:20	0°♉	
evening set	6858 Apr 17 13:25	14°♉33'31	
	6858 May 07 01:11	0°♊	
asc. node	6858 Jun 06 15:12	24°♊08'10	
	6858 Jun 14 03:08	0°♋	
conjunction	6858 Jun 26 19:28	9°♋50'54	0°14'10
minimum elong	6858 Jun 26 18:02	9°♋48'09	0°14'05
behind sun begin	6858 Jun 26 03:42	9°♋20'26	
behind sun end	6858 Jun 27 08:23	10°♋15'51	
	6858 Jul 23 05:01	0°♌	
max. Earth dist.	6858 Aug 18 13:15	19°♌32'43	2.42687 AU
morning rise	6858 Sep 01 15:26	29°♌44'52	
	6858 Sep 01 23:53	0°♍	
	6858 Oct 15 00:22	0°♎	
	6858 Nov 29 16:30	0°♏	
	6859 Jan 17 21:39	0°♐	
	6859 Mar 15 21:48	0°♉	
retrograde	6859 May 17 07:18	17°♉01'16	
desc. node	6859 May 31 18:54	15°♉41'45	
opposition	6859 Jun 25 06:57	8°♉06'49	-0°53'15
greatest brilliancy	6859 Jun 25 10:05	8°♉03'47	-1.5m
min. Earth dist.	6859 Jun 29 18:59	6°♉22'15	0.64286 AU
	6859 Jul 19 15:02	30°℞♐	
direct	6859 Aug 05 19:15	28°♐05'07	
	6859 Aug 23 20:58	0°♉	
	6859 Nov 01 16:46	0°♒	
	6859 Dec 18 16:10	0°♓	
	6860 Jan 29 07:32	0°♈	
	6860 Mar 08 10:48	0°♉	
	6860 Apr 15 14:53	0°♊	
asc. node	6860 Apr 23 13:56	6°♊15'48	
	6860 May 23 23:36	0°♋	
evening set	6860 Jun 28 16:59	27°♋12'24	
	6860 Jul 02 10:45	0°♌	
	6860 Aug 12 15:45	0°♍	
conjunction	6860 Aug 28 04:36	10°♍56'15	1°03'55
minimum elong	6860 Aug 28 03:26	10°♍54'13	1°03'53
	6860 Sep 24 22:38	0°♎	
max. Earth dist.	6860 Sep 29 07:07	2°♎56'18	2.55935 AU
morning rise	6860 Oct 20 09:57	17°♎00'11	
	6860 Nov 09 07:48	0°♏	
	6860 Dec 26 17:32	0°♐	
	6861 Feb 14 12:44	0°♉	
	6861 Apr 10 06:57	0°♒	
desc. node	6861 Apr 17 16:46	3°♒38'09	
retrograde	6861 Jun 29 01:54	25°♒18'46	
opposition	6861 Aug 04 06:41	17°♒39'36	-4°02'41
greatest brilliancy	6861 Aug 05 08:44	17°♒15'54	-1.9m

min. Earth dist.	6861 Aug 12 04:03	14°♒47'48	0.54270 AU
direct	6861 Sep 12 21:35	8°♒22'08	
	6861 Nov 17 03:20	0°♓	
	6862 Jan 03 04:48	0°♈	
	6862 Feb 13 05:37	0°♉	
asc. node	6862 Mar 11 13:20	20°♉04'08	
	6862 Mar 24 11:31	0°♊	
	6862 May 02 17:39	0°♋	
	6862 Jun 12 01:54	0°♌	
	6862 Jul 24 03:16	0°♍	
evening set	6862 Aug 23 05:02	20°♍39'00	
	6862 Sep 06 02:55	0°♎	
conjunction	6862 Oct 12 15:20	24°♎02'46	1°00'59
minimum elong	6862 Oct 12 16:18	24°♎04'21	1°01'01
	6862 Oct 21 19:49	0°♏	
max. Earth dist.	6862 Oct 26 09:05	2°♏56'15	2.64681 AU
morning rise	6862 Nov 28 01:06	23°♏49'29	
	6862 Dec 07 18:59	0°♐	
	6863 Jan 24 13:52	0°♑	
desc. node	6863 Mar 05 15:28	24°♑47'45	
	6863 Mar 14 03:31	0°♒	
	6863 May 03 08:22	0°♓	
	6863 Jun 28 01:48	0°♈	
retrograde	6863 Aug 30 22:58	18°♈36'28	
opposition	6863 Oct 01 09:22	13°♈02'09	-6°09'17
greatest brilliancy	6863 Oct 03 00:38	12°♈32'45	-2.7m
min. Earth dist.	6863 Oct 08 11:39	10°♈55'44	0.40893 AU
direct	6863 Nov 03 22:16	6°♈30'46	
	6864 Jan 08 21:15	0°♉	
asc. node	6864 Jan 27 13:36	11°♉33'05	
	6864 Feb 24 01:56	0°♊	
	6864 Apr 06 19:56	0°♋	
	6864 May 19 14:26	0°♌	
	6864 Jul 02 12:13	0°♍	
	6864 Aug 16 20:51	0°♎	
	6864 Oct 02 10:25	0°♏	
evening set	6864 Oct 03 06:05	0°♏31'23	
max. Earth dist.	6864 Nov 17 11:06	29°♏16'02	2.68008 AU
conjunction	6864 Nov 18 03:18	29°♏41'44	0°32'00
minimum elong	6864 Nov 18 04:11	29°♏43'08	0°32'04
	6864 Nov 18 14:48	0°♐	
morning rise	6865 Jan 01 00:48	27°♐37'48	
	6865 Jan 04 17:47	0°♑	
desc. node	6865 Jan 20 13:59	10°♑09'23	
	6865 Feb 20 07:23	0°♒	
	6865 Apr 07 03:07	0°♓	
	6865 May 22 06:35	0°♈	
	6865 Jul 06 03:27	0°♉	
	6865 Aug 21 04:51	0°♊	
	6865 Oct 16 02:17	0°♋	
retrograde	6865 Nov 18 18:45	7°♋10'08	
asc. node	6865 Dec 14 12:12	2°♋58'21	
min. Earth dist.	6865 Dec 15 02:06	2°♋48'33	0.38316 AU
opposition	6865 Dec 20 16:16	1°♋12'08	0°27'05
greatest brilliancy	6865 Dec 20 13:31	1°♋14'06	-3.0m
	6865 Dec 24 22:06	30°℞♊	
direct	6866 Jan 19 09:05	26°♊00'07	
	6866 Feb 14 00:36	0°♋	
	6866 Apr 19 00:49	0°♌	
	6866 Jun 08 08:47	0°♍	
	6866 Jul 27 00:45	0°♎	
	6866 Sep 13 10:02	0°♏	
	6866 Oct 31 10:34	0°♐	
evening set	6866 Nov 08 23:54	5°♐23'34	
desc. node	6866 Dec 08 12:23	24°♐10'22	
max. Earth dist.	6866 Dec 10 05:50	25°♐16'50	2.65832 AU
	6866 Dec 17 13:52	0°♑	
conjunction	6866 Dec 23 18:11	3°♑59'40	-0°08'08
minimum elong	6866 Dec 23 17:56	3°♑59'16	0°08'03
behind sun begin	6866 Dec 23 01:34	3°♑32'47	
behind sun end	6866 Dec 24 10:18	4°♑25'46	
	6867 Feb 01 08:13	0°♒	
morning rise	6867 Feb 06 07:32	3°♒19'21	
	6867 Mar 17 12:02	0°♓	
	6867 Apr 29 01:27	0°♈	
	6867 Jun 09 05:59	0°♉	
	6867 Jul 19 13:11	0°♊	
	6867 Aug 28 22:02	0°♋	
	6867 Oct 10 06:32	0°♌	
asc. node	6867 Nov 01 11:09	14°♌17'54	
	6867 Nov 30 00:14	0°♍	
retrograde	6868 Jan 14 15:25	12°♍24'59	
min. Earth dist.	6868 Feb 13 10:45	6°♍17'15	0.50943 AU
greatest brilliancy	6868 Feb 20 00:27	3°♍50'26	-2.1m
opposition	6868 Feb 21 10:34	3°♍18'33	4°55'32
	6868 Mar 01 21:27	30°℞♌	
direct	6868 Mar 26 21:48	25°♌50'21	
	6868 Apr 23 01:54	0°♍	
	6868 Jun 30 04:54	0°♎	
	6868 Aug 22 12:25	0°♏	
	6868 Oct 11 12:58	0°♐	
desc. node	6868 Oct 25 11:19	8°♐36'15	
	6868 Nov 28 08:03	0°♑	
evening set	6868 Dec 14 16:59	10°♑36'30	
max. Earth dist.	6869 Jan 03 17:33	23°♑50'04	2.58327 AU
	6869 Jan 12 22:01	0°♒	
conjunction	6869 Jan 30 10:31	11°♒56'15	-0°47'47
minimum elong	6869 Jan 30 09:13	11°♒54'01	0°47'44
	6869 Feb 25 07:16	0°♓	
morning rise	6869 Mar 20 23:44	17°♓00'13	
	6869 Apr 07 16:49	0°♈	
	6869 May 17 12:55	0°♉	
	6869 Jun 25 10:09	0°♊	
	6869 Aug 03 03:57	0°♋	
	6869 Sep 11 19:13	0°♌	
asc. node	6869 Sep 18 10:58	4°♌54'24	
	6869 Oct 23 19:10	0°♍	
	6869 Dec 10 08:27	0°♎	
retrograde	6870 Feb 23 04:45	26°♎08'50	
min. Earth dist.	6870 Mar 30 15:01	18°♎01'11	0.62347 AU
opposition	6870 Apr 04 05:57	16°♎11'08	4°30'18
greatest brilliancy	6870 Apr 03 12:50	16°♎28'07	-1.5m
direct	6870 May 12 14:52	7°♎15'31	
	6870 Jul 26 12:58	0°♏	
desc. node	6870 Sep 12 10:24	25°♏20'13	
	6870 Sep 20 14:01	0°♐	
	6870 Nov 09 06:25	0°♑	
	6870 Dec 25 07:10	0°♒	
evening set	6871 Jan 25 15:37	21°♒37'29	
	6871 Feb 06 10:24	0°♓	
max. Earth dist.	6871 Feb 08 13:30	1°♓31'42	2.46261 AU
	6871 Mar 19 05:44	0°♈	
conjunction	6871 Mar 20 08:58	0°♈51'16	-1°05'53
minimum elong	6871 Mar 20 09:23	0°♈52'02	1°05'53
	6871 Apr 27 09:17	0°♉	
morning rise	6871 May 22 11:01	19°♉37'23	
	6871 Jun 04 15:25	0°♊	
	6871 Jul 12 20:34	0°♋	
asc. node	6871 Aug 06 09:05	18°♋57'10	

	6871 Aug 20 22:07	0°♌	
	6871 Sep 30 18:15	0°♍	
	6871 Nov 13 12:15	0°♎	
	6872 Jan 01 11:56	0°♏	
	6872 Mar 15 05:47	0°♐	
retrograde	6872 Mar 29 00:08	1°♐08'42	
	6872 Apr 11 05:16	30°℞♏	
opposition	6872 May 08 11:40	21°♏19'46	2°40'32
greatest brilliancy	6872 May 08 10:16	21°♏21'09	-1.3m
min. Earth dist.	6872 May 07 17:16	21°♏38'04	0.67727 AU
direct	6872 Jun 18 04:54	11°♏37'06	
desc. node	6872 Jul 30 09:43	20°♏17'13	
	6872 Aug 22 19:23	0°♐	
	6872 Oct 17 22:19	0°♑	
	6872 Dec 04 15:52	0°♒	
	6873 Jan 17 03:33	0°♓	
	6873 Feb 26 19:02	0°♈	
evening set	6873 Mar 21 05:33	17°♈12'44	
	6873 Apr 06 15:00	0°♉	
	6873 May 14 14:27	0°♊	
conjunction	6873 May 27 18:25	10°♊25'17	-0°18'44
minimum elong	6873 May 27 20:24	10°♊29'12	0°18'46
	6873 Jun 21 15:50	0°♋	
asc. node	6873 Jun 23 06:54	1°♋16'16	
max. Earth dist.	6873 Jul 08 20:19	13°♋20'39	2.37626 AU
	6873 Jul 30 16:02	0°♌	
morning rise	6873 Aug 07 12:04	5°♌53'21	
	6873 Sep 09 08:57	0°♍	
	6873 Oct 22 09:44	0°♎	
	6873 Dec 07 10:44	0°♏	
	6874 Jan 27 05:33	0°♐	
	6874 Apr 05 10:49	0°♑	
retrograde	6874 May 02 18:12	4°♑00'17	
	6874 May 27 22:59	30°℞♐	
opposition	6874 Jun 11 09:58	24°♐45'58	0°12'36
greatest brilliancy	6874 Jun 11 10:41	24°♐45'16	-1.4m
min. Earth dist.	6874 Jun 14 10:49	23°♐34'39	0.66538 AU
desc. node	6874 Jun 17 08:57	22°♐26'47	
direct	6874 Jul 23 00:47	14°♐43'30	
	6874 Sep 18 06:48	0°♑	
	6874 Nov 12 03:26	0°♒	
	6874 Dec 27 09:17	0°♓	
	6875 Feb 06 12:18	0°♈	
	6875 Mar 17 10:43	0°♉	
	6875 Apr 24 11:25	0°♊	
asc. node	6875 May 11 06:51	13°♊15'51	
	6875 Jun 01 16:03	0°♋	
evening set	6875 Jun 02 11:29	0°♋37'44	
	6875 Jul 10 22:08	0°♌	
conjunction	6875 Aug 07 05:50	20°♌09'44	0°52'23
minimum elong	6875 Aug 07 03:23	20°♌05'17	0°52'19
	6875 Aug 20 21:39	0°♍	
max. Earth dist.	6875 Sep 16 23:37	19°♍01'39	2.51156 AU
morning rise	6875 Oct 03 23:17	0°♎38'57	
	6875 Oct 03 00:17	0°♎	
	6875 Nov 17 09:34	0°♏	
	6876 Jan 04 05:57	0°♐	
	6876 Feb 24 15:50	0°♑	
	6876 Apr 27 00:34	0°♒	
desc. node	6876 May 04 07:42	2°♒35'26	
retrograde	6876 Jun 10 14:07	9°♒33'59	
opposition	6876 Jul 18 02:18	1°♒20'19	-2°46'56
greatest brilliancy	6876 Jul 18 17:18	1°♒06'13	-1.7m
	6876 Jul 21 15:33	30°℞♑	
min. Earth dist.	6876 Jul 24 18:51	28°♑49'37	0.58854 AU
direct	6876 Aug 27 19:17	21°♑35'54	
	6876 Oct 05 15:32	0°♒	
	6876 Nov 30 23:29	0°♓	
	6877 Jan 13 15:24	0°♈	
	6877 Feb 22 13:56	0°♉	
asc. node	6877 Mar 28 05:59	26°♉07'06	
	6877 Apr 02 05:36	0°♊	
	6877 May 11 00:22	0°♋	
	6877 Jun 19 21:55	0°♌	
	6877 Jul 31 13:11	0°♍	
evening set	6877 Aug 03 18:53	2°♍16'29	
	6877 Sep 13 04:20	0°♎	
conjunction	6877 Sep 26 08:22	8°♎48'06	1°06'24
minimum elong	6877 Sep 26 08:50	8°♎48'53	1°06'24
max. Earth dist.	6877 Oct 16 17:53	22°♎14'08	2.61885 AU
	6877 Oct 28 16:20	0°♏	
morning rise	6877 Nov 13 18:15	10°♏21'16	
	6877 Dec 14 17:06	0°♐	
	6878 Feb 01 00:59	0°♑	
desc. node	6878 Mar 22 05:38	29°♑29'01	
	6878 Mar 23 02:53	0°♒	
	6878 May 16 15:25	0°♓	
retrograde	6878 Aug 03 05:50	25°♓09'32	
opposition	6878 Sep 05 14:53	18°♓42'05	-5°48'13
greatest brilliancy	6878 Sep 07 09:08	18°♓07'05	-2.3m
min. Earth dist.	6878 Sep 14 04:35	15°♓52'30	0.45986 AU
direct	6878 Oct 12 05:10	10°♓47'49	
	6878 Dec 09 22:49	0°♈	
	6879 Jan 25 20:30	0°♉	
asc. node	6879 Feb 13 04:50	13°♉03'24	
	6879 Mar 08 09:15	0°♊	
	6879 Apr 18 01:34	0°♋	
	6879 May 29 12:27	0°♌	
	6879 Jul 11 11:44	0°♍	
	6879 Aug 25 04:16	0°♎	
evening set	6879 Sep 18 21:47	16°♎10'30	
	6879 Oct 10 07:42	0°♏	
conjunction	6879 Nov 05 01:54	16°♏28'29	0°45'09
minimum elong	6879 Nov 05 03:00	16°♏30'14	0°45'11
max. Earth dist.	6879 Nov 09 15:31	19°♏23'02	2.67368 AU
	6879 Nov 26 08:23	0°♐	
morning rise	6879 Dec 19 13:28	14°♐43'34	
	6880 Jan 12 15:15	0°♑	
desc. node	6880 Feb 07 03:56	16°♑13'30	
	6880 Feb 28 18:53	0°♒	
	6880 Apr 15 18:51	0°♓	
	6880 Jun 02 01:13	0°♈	
	6880 Jul 21 02:35	0°♉	
	6880 Sep 20 10:35	0°♊	
retrograde	6880 Oct 19 09:30	5°♊04'57	
opposition	6880 Nov 18 09:55	0°♊05'32	-3°10'50
min. Earth dist.	6880 Nov 18 05:10	0°♊08'42	0.36727 AU
	6880 Nov 18 18:14	30°℞♉	
greatest brilliancy	6880 Nov 18 13:17	0°♊03'18	-3.0m
direct	6880 Dec 17 23:34	25°♉11'13	
asc. node	6880 Dec 31 05:31	26°♉21'40	
	6881 Jan 14 15:51	0°♊	
	6881 Mar 15 20:03	0°♋	
	6881 May 02 15:29	0°♌	
	6881 Jun 18 04:49	0°♍	
	6881 Aug 04 03:20	0°♎	
	6881 Sep 20 15:12	0°♏	
evening set	6881 Oct 26 00:30	22°♏17'00	
	6881 Nov 07 05:48	0°♐	
max. Earth dist.	6881 Dec 01 09:59	15°♐20'24	2.67330 AU

conjunction	6881 Dec 09 20:51	20°♐44'10	0°08'03
minimum elong	6881 Dec 09 21:06	20°♐44'35	0°08'07
behind sun begin	6881 Dec 09 04:56	20°♐18'45	
behind sun end	6881 Dec 10 13:15	21°♐10'24	
	6881 Dec 24 07:26	0°♑	
desc. node	6881 Dec 25 02:05	0°♑30'02	
morning rise	6882 Jan 22 18:24	19°♑06'54	
	6882 Feb 08 07:27	0°♒	
	6882 Mar 24 23:40	0°♓	
	6882 May 07 07:19	0°♈	
	6882 Jun 18 10:57	0°♉	
	6882 Jul 29 22:41	0°♊	
	6882 Sep 10 01:54	0°♋	
	6882 Oct 26 20:10	0°♌	
asc. node	6882 Nov 18 05:06	11°♌19'15	
retrograde	6882 Dec 26 07:13	20°♌32'49	
min. Earth dist.	6883 Jan 22 20:38	15°♌18'40	0.45461 AU
greatest brilliancy	6883 Jan 29 22:55	12°♌50'51	-2.4m
opposition	6883 Jan 31 06:40	12°♌23'06	4°06'59
direct	6883 Mar 04 19:08	5°♌45'46	
	6883 May 18 12:12	0°♍	
	6883 Jul 12 00:22	0°♎	
	6883 Aug 31 16:30	0°♏	
	6883 Oct 19 17:25	0°♐	
desc. node	6883 Nov 12 00:44	14°♐35'47	
evening set	6883 Dec 01 03:56	26°♐46'28	
	6883 Dec 06 04:24	0°♑	
max. Earth dist.	6883 Dec 25 03:47	12°♑19'36	2.61867 AU
conjunction	6884 Jan 15 16:43	26°♑35'04	-0°33'26
minimum elong	6884 Jan 15 15:43	26°♑33'23	0°33'21
	6884 Jan 20 18:56	0°♒	
morning rise	6884 Mar 02 13:48	28°♒42'08	
	6884 Mar 04 10:09	0°♓	
	6884 Apr 15 04:42	0°♈	
	6884 May 25 10:56	0°♉	
	6884 Jul 03 18:04	0°♊	
	6884 Aug 11 21:40	0°♋	
	6884 Sep 21 02:28	0°♌	
asc. node	6884 Oct 05 02:52	10°♌03'30	
	6884 Nov 03 09:47	0°♍	
	6884 Dec 26 21:30	0°♎	
retrograde	6885 Feb 08 12:07	10°♎51'13	
min. Earth dist.	6885 Mar 13 21:02	3°♎25'46	0.58520 AU
opposition	6885 Mar 19 23:03	1°♎02'47	4°55'54
greatest brilliancy	6885 Mar 18 22:09	1°♎27'12	-1.7m
	6885 Mar 22 15:42	30°♑℞	
direct	6885 Apr 26 00:14	22°♍35'11	
	6885 Jun 03 02:56	0°♎	
	6885 Aug 07 01:28	0°♏	
desc. node	6885 Sep 28 24:00	0°♐06'56	
	6885 Sep 28 19:20	0°♐	
	6885 Nov 16 13:03	0°♑	
	6886 Jan 01 08:01	0°♒	
evening set	6886 Jan 08 06:25	4°♒42'05	
max. Earth dist.	6886 Jan 23 09:16	15°♒06'12	2.51418 AU
	6886 Feb 13 12:53	0°♓	
conjunction	6886 Feb 27 10:09	9°♓59'58	-1°03'49
minimum elong	6886 Feb 27 09:16	9°♓58'22	1°03'48
	6886 Mar 26 13:02	0°♈	
morning rise	6886 Apr 24 22:49	22°♈18'52	
	6886 May 04 22:06	0°♉	
	6886 Jun 12 08:57	0°♊	
	6886 Jul 20 17:21	0°♋	
asc. node	6886 Aug 23 01:50	25°♋36'37	
	6886 Aug 28 21:36	0°♌	
	6886 Oct 08 23:14	0°♍	
	6886 Nov 22 11:14	0°♎	
	6887 Jan 13 18:20	0°♏	
retrograde	6887 Mar 16 18:05	18°♏15'50	
min. Earth dist.	6887 Apr 23 23:11	9°♏13'43	0.66406 AU
opposition	6887 Apr 26 05:30	8°♏19'34	3°28'34
greatest brilliancy	6887 Apr 25 23:13	8°♏25'50	-1.4m
	6887 May 22 18:42	30°♐℞	
direct	6887 Jun 05 04:40	28°♎51'44	
	6887 Jun 19 06:50	0°♏	
desc. node	6887 Aug 16 23:56	20°♏30'58	
	6887 Sep 04 20:28	0°♐	
	6887 Oct 27 08:32	0°♑	
	6887 Dec 13 05:07	0°♒	
	6888 Jan 25 11:55	0°♓	
evening set	6888 Feb 26 06:05	23°♓17'13	
	6888 Mar 06 04:07	0°♈	
max. Earth dist.	6888 Mar 24 08:42	13°♈53'24	2.38362 AU
	6888 Apr 14 02:26	0°♉	
conjunction	6888 Apr 28 03:29	11°♉01'38	-0°46'55
minimum elong	6888 Apr 28 06:40	11°♉07'54	0°46'56
	6888 May 22 03:53	0°♊	
	6888 Jun 29 05:51	0°♋	
morning rise	6888 Jul 09 04:32	7°♋44'45	
asc. node	6888 Jul 10 00:24	8°♋23'18	
	6888 Aug 07 05:17	0°♌	
	6888 Sep 16 21:27	0°♍	
	6888 Oct 30 00:47	0°♎	
	6888 Dec 15 17:14	0°♏	
	6889 Feb 07 08:31	0°♐	
retrograde	6889 Apr 18 22:42	21°♐22'17	
opposition	6889 May 29 01:57	11°♐51'46	1°13'39
greatest brilliancy	6889 May 29 03:56	11°♐49'49	-1.3m
min. Earth dist.	6889 May 30 15:22	11°♐14'52	0.67794 AU
desc. node	6889 Jul 03 23:32	2°♐05'11	
direct	6889 Jul 09 12:51	1°♐53'41	
	6889 Oct 01 13:23	0°♑	
	6889 Nov 21 04:50	0°♒	
	6890 Jan 04 11:55	0°♓	
	6890 Feb 14 08:07	0°♈	
	6890 Mar 25 04:15	0°♉	
	6890 May 02 03:25	0°♊	
evening set	6890 May 04 03:04	1°♊34'21	
asc. node	6890 May 27 22:17	20°♊21'40	
	6890 Jun 09 05:44	0°♋	
conjunction	6890 Jul 12 19:43	25°♋49'47	0°30'53
minimum elong	6890 Jul 12 17:10	25°♋44'57	0°30'47
	6890 Jul 18 08:20	0°♌	
	6890 Aug 28 03:58	0°♍	
max. Earth dist.	6890 Aug 31 02:21	2°♍05'56	2.45814 AU
morning rise	6890 Sep 14 05:14	12°♍05'41	
	6890 Oct 10 03:54	0°♎	
	6890 Nov 24 15:46	0°♏	
	6891 Jan 12 04:57	0°♐	
	6891 Mar 07 08:40	0°♑	
desc. node	6891 May 21 21:57	25°♑08'06	
retrograde	6891 May 26 00:57	25°♑14'15	
opposition	6891 Jul 03 14:04	16°♑32'41	-1°33'46
greatest brilliancy	6891 Jul 03 20:38	16°♑26'23	-1.5m
min. Earth dist.	6891 Jul 08 21:29	14°♑30'28	0.62633 AU
direct	6891 Aug 13 22:30	6°♑34'19	
	6891 Oct 24 17:52	0°♒	
	6891 Dec 12 15:54	0°♓	
	6892 Jan 23 20:33	0°♈	
	6892 Mar 03 05:12	0°♉	

	6892 Apr 10 12:20	0°♊	
asc. node	6892 Apr 13 22:45	2°♊41'47	
	6892 May 18 23:20	0°♋	
	6892 Jun 27 12:48	0°♌	
evening set	6892 Jul 12 16:31	11°♌10'21	
	6892 Aug 07 20:10	0°♍	
conjunction	6892 Sep 08 10:18	21°♍59'56	1°06'44
minimum elong	6892 Sep 08 09:51	21°♍59'10	1°06'44
	6892 Sep 20 04:41	0°♎	
max. Earth dist.	6892 Oct 06 01:35	10°♎38'18	2.58287 AU
morning rise	6892 Oct 29 15:33	26°♎09'10	
	6892 Nov 04 13:45	0°♏	
	6892 Dec 21 18:39	0°♐	
	6893 Feb 08 21:37	0°♑	
	6893 Apr 02 09:12	0°♒	
desc. node	6893 Apr 07 19:56	2°♒54'53	
	6893 Jun 07 20:27	0°♓	
retrograde	6893 Jul 10 18:59	5°♓38'24	
	6893 Aug 10 09:06	30°℞♒	
opposition	6893 Aug 15 02:06	28°♒22'17	-4°44'58
greatest brilliancy	6893 Aug 16 10:56	27°♒53'11	-2.0m
min. Earth dist.	6893 Aug 23 11:06	25°♒24'41	0.51434 AU
direct	6893 Sep 22 20:45	19°♒27'43	
	6893 Nov 04 08:38	0°♓	
	6893 Dec 26 14:42	0°♈	
	6894 Feb 06 20:08	0°♉	
asc. node	6894 Mar 01 23:00	17°♉20'11	
	6894 Mar 18 15:30	0°♊	
	6894 Apr 27 06:21	0°♋	
	6894 Jun 06 21:25	0°♌	
	6894 Jul 19 04:31	0°♍	
	6894 Sep 01 08:24	0°♎	
evening set	6894 Sep 02 08:22	0°♎39'52	
	6894 Oct 17 03:53	0°♏	
conjunction	6894 Oct 21 10:05	2°♏44'47	0°56'01
minimum elong	6894 Oct 21 11:11	2°♏46'34	0°56'02
max. Earth dist.	6894 Oct 31 19:35	9°♏25'30	2.65866 AU
	6894 Dec 03 02:39	0°♐	
morning rise	6894 Dec 05 23:48	1°♐49'32	
	6895 Jan 19 16:06	0°♑	
desc. node	6895 Feb 23 18:07	21°♑58'25	
	6895 Mar 08 15:13	0°♒	
	6895 Apr 26 09:02	0°♓	
	6895 Jun 16 13:44	0°♈	
	6895 Aug 20 20:34	0°♉	
retrograde	6895 Sep 17 15:00	4°♉24'11	
	6895 Oct 15 08:14	30°℞♈	
opposition	6895 Oct 18 00:43	29°♈15'26	-5°40'38
greatest brilliancy	6895 Oct 19 05:50	28°♈55'08	-2.8m
min. Earth dist.	6895 Oct 23 06:17	27°♈48'18	0.38647 AU
direct	6895 Nov 18 17:25	23°♈31'24	
	6895 Dec 20 15:52	0°♉	
asc. node	6896 Jan 17 21:41	13°♉25'29	
	6896 Feb 14 11:49	0°♊	
	6896 Mar 30 13:19	0°♋	
	6896 May 13 11:04	0°♌	
	6896 Jun 27 01:39	0°♍	
	6896 Aug 11 20:48	0°♎	
	6896 Sep 27 16:47	0°♏	
evening set	6896 Oct 11 16:32	8°♏53'01	
	6896 Nov 14 00:01	0°♐	
max. Earth dist.	6896 Nov 22 14:19	5°♐27'20	2.67996 AU
conjunction	6896 Nov 26 01:53	7°♐40'03	0°23'30
minimum elong	6896 Nov 26 02:33	7°♐41'07	0°23'33
	6896 Dec 31 02:00	0°♑	
morning rise	6897 Jan 08 20:21	5°♑37'43	
desc. node	6897 Jan 10 16:18	6°♑48'25	
	6897 Feb 15 10:21	0°♒	
	6897 Apr 01 19:06	0°♓	
	6897 May 16 04:14	0°♈	
	6897 Jun 28 19:23	0°♉	
	6897 Aug 11 11:48	0°♊	
	6897 Sep 27 05:14	0°♋	
retrograde	6897 Dec 03 14:51	24°♋23'04	
asc. node	6897 Dec 04 21:10	24°♋22'21	
min. Earth dist.	6897 Dec 29 17:25	19°♋51'50	0.40420 AU
greatest brilliancy	6898 Jan 05 08:46	17°♋48'30	-2.8m
opposition	6898 Jan 06 00:48	17°♋35'58	2°10'55
direct	6898 Feb 05 16:45	11°♋55'46	
	6898 Apr 07 10:49	0°♌	
	6898 Jun 01 05:36	0°♍	
	6898 Jul 21 08:13	0°♎	
	6898 Sep 08 09:29	0°♏	
	6898 Oct 26 17:35	0°♐	
evening set	6898 Nov 17 00:29	13°♐24'55	
desc. node	6898 Nov 28 15:15	20°♐48'13	
	6898 Dec 12 23:15	0°♑	
max. Earth dist.	6898 Dec 15 14:34	1°♑42'09	2.64631 AU
conjunction	6898 Dec 31 22:16	12°♑18'37	-0°17'37
minimum elong	6898 Dec 31 21:43	12°♑17'43	0°17'32
	6899 Jan 27 16:15	0°♒	
morning rise	6899 Feb 15 02:46	12°♒26'05	
	6899 Mar 12 15:28	0°♓	
	6899 Apr 23 21:56	0°♈	
	6899 Jun 03 17:46	0°♉	
	6899 Jul 13 15:06	0°♊	
	6899 Aug 22 10:28	0°♋	
	6899 Oct 02 16:29	0°♌	
asc. node	6899 Oct 22 20:52	13°♌45'23	
	6899 Nov 17 24:00	0°♍	
retrograde	6900 Jan 24 12:21	23°♍41'47	
min. Earth dist.	6900 Feb 24 14:28	17°♍05'22	0.53819 AU
greatest brilliancy	6900 Mar 02 16:48	14°♍46'00	-1.9m
opposition	6900 Mar 04 00:39	14°♍15'34	5°03'53
direct	6900 Apr 08 11:59	6°♍23'45	
	6900 Jun 22 20:53	0°♎	
	6900 Aug 17 16:44	0°♏	
	6900 Oct 07 12:39	0°♐	
desc. node	6900 Oct 16 14:29	5°♐32'37	
	6900 Nov 24 15:07	0°♑	
evening set	6900 Dec 24 07:53	19°♑19'52	
	6901 Jan 09 07:01	0°♒	
max. Earth dist.	6901 Jan 11 07:07	1°♒21'16	2.56029 AU
conjunction	6901 Feb 10 01:02	21°♒50'02	-0°54'56
minimum elong	6901 Feb 09 23:43	21°♒47'43	0°54'53
	6901 Feb 21 14:50	0°♓	
morning rise	6901 Apr 02 15:52	29°♓05'46	
	6901 Apr 03 21:04	0°♈	
	6901 May 13 12:59	0°♉	
	6901 Jun 21 06:12	0°♊	
	6901 Jul 29 19:55	0°♋	
	6901 Sep 07 05:43	0°♌	
asc. node	6901 Sep 09 18:16	1°♌52'43	
	6901 Oct 18 18:19	0°♍	
	6901 Dec 03 16:59	0°♎	
	6902 Feb 03 19:26	0°♏	
retrograde	6902 Mar 04 04:57	4°♏44'38	
	6902 Mar 30 17:24	30°℞♎	
min. Earth dist.	6902 Apr 09 16:45	26°♎15'55	0.64074 AU

opposition	6902 Apr 13 11:12	24°♎45'54	4°10'08
greatest brilliancy	6902 Apr 12 22:21	24°♎58'41	-1.4m
direct	6902 May 22 11:12	15°♎37'25	
	6902 Jul 18 03:04	0°♏	
desc. node	6902 Sep 03 13:53	23°♏18'50	
	6902 Sep 15 16:33	0°♐	
	6902 Nov 05 05:15	0°♑	
	6902 Dec 21 12:56	0°♒	
	6903 Feb 02 17:50	0°♓	
evening set	6903 Feb 06 07:36	2°♓33'58	
max. Earth dist.	6903 Feb 21 00:14	13°♓15'03	2.43317 AU
	6903 Mar 15 12:24	0°♈	
conjunction	6903 Apr 03 14:57	14°♈32'40	-1°02'41
minimum elong	6903 Apr 03 16:28	14°♈35'35	1°02'41
	6903 Apr 23 14:00	0°♉	
	6903 May 31 18:09	0°♊	
morning rise	6903 Jun 09 15:38	7°♊01'13	
	6903 Jul 08 21:27	0°♋	
asc. node	6903 Jul 28 16:54	15°♋22'06	
	6903 Aug 16 21:05	0°♌	
	6903 Sep 26 14:14	0°♍	
	6903 Nov 09 00:01	0°♎	
	6903 Dec 26 19:37	0°♏	
	6904 Feb 24 23:02	0°♐	
retrograde	6904 Apr 06 14:16	8°♐52'05	
	6904 May 14 20:37	30°℞♏	
opposition	6904 May 17 00:13	29°♏08'53	2°09'51
greatest brilliancy	6904 May 17 00:43	29°♏08'23	-1.3m
min. Earth dist.	6904 May 17 02:07	29°♏07'00	0.68043 AU
direct	6904 Jun 27 01:12	19°♏19'36	
desc. node	6904 Jul 21 13:13	22°♏34'23	
	6904 Aug 13 11:15	0°♐	
	6904 Oct 12 20:54	0°♑	
	6904 Nov 30 11:11	0°♒	
	6905 Jan 13 05:33	0°♓	
	6905 Feb 22 23:04	0°♈	
	6905 Apr 02 19:15	0°♉	
evening set	6905 Apr 06 04:43	2°♉39'55	
	6905 May 10 18:32	0°♊	
conjunction	6905 Jun 14 19:40	27°♊39'04	0°00'06
minimum elong	6905 Jun 14 19:42	27°♊39'08	0°00'01
behind sun begin	6905 Jun 13 20:52	26°♊54'28	
behind sun end	6905 Jun 15 18:31	28°♊23'47	
asc. node	6905 Jun 14 16:29	27°♊32'52	
	6905 Jun 17 19:44	0°♋	
	6905 Jul 26 19:44	0°♌	
max. Earth dist.	6905 Aug 06 09:45	7°♌56'33	2.40241 AU
morning rise	6905 Aug 23 04:57	20°♌21'14	
	6905 Sep 05 12:19	0°♍	
	6905 Oct 18 10:56	0°♎	
	6905 Dec 03 04:29	0°♏	
	6906 Jan 21 20:43	0°♐	
	6906 Mar 22 14:50	0°♑	
retrograde	6906 May 11 22:44	11°♑53'18	
desc. node	6906 Jun 08 11:58	7°♑09'14	
opposition	6906 Jun 20 06:41	2°♑49'29	-0°25'19
greatest brilliancy	6906 Jun 20 07:59	2°♑48'13	-1.4m
min. Earth dist.	6906 Jun 24 03:31	1°♑19'12	0.65421 AU
	6906 Jun 27 14:18	30°℞♐	
direct	6906 Jul 31 21:23	22°♐46'34	
	6906 Sep 06 22:33	0°♑	
	6906 Nov 06 15:07	0°♒	
	6906 Dec 22 20:28	0°♓	
	6907 Feb 02 07:21	0°♈	
	6907 Mar 13 08:54	0°♉	
	6907 Apr 20 11:30	0°♊	
asc. node	6907 May 02 15:27	9°♊35'21	
	6907 May 28 17:49	0°♋	
evening set	6907 Jun 19 04:47	16°♋30'22	
	6907 Jul 07 01:35	0°♌	
	6907 Aug 17 02:51	0°♍	
conjunction	6907 Aug 21 01:12	2°♍47'51	1°00'07
minimum elong	6907 Aug 20 23:27	2°♍44'43	1°00'04
max. Earth dist.	6907 Sep 25 20:03	27°♍40'24	2.53878 AU
	6907 Sep 29 06:13	0°♎	
morning rise	6907 Oct 15 03:16	10°♎40'25	
	6907 Nov 13 13:52	0°♏	
	6907 Dec 31 02:13	0°♐	
	6908 Feb 19 10:11	0°♑	
	6908 Apr 16 09:01	0°♒	
desc. node	6908 Apr 25 09:48	4°♒02'24	
retrograde	6908 Jun 21 18:51	18°♒48'14	
opposition	6908 Jul 28 14:47	10°♒52'44	-3°30'24
greatest brilliancy	6908 Jul 29 11:52	10°♒33'15	-1.8m
min. Earth dist.	6908 Aug 05 00:30	8°♒08'42	0.56420 AU
direct	6908 Sep 06 19:31	1°♒21'00	
	6908 Nov 23 23:27	0°♓	
	6909 Jan 08 07:30	0°♈	
	6909 Feb 17 19:37	0°♉	
asc. node	6909 Mar 19 14:40	22°♉54'49	
	6909 Mar 28 18:28	0°♊	
	6909 May 06 18:30	0°♋	
	6909 Jun 15 20:30	0°♌	
	6909 Jul 27 15:58	0°♍	
evening set	6909 Aug 16 02:31	13°♍29'28	
	6909 Sep 09 10:21	0°♎	
conjunction	6909 Oct 06 19:28	18°♎09'08	1°03'46
minimum elong	6909 Oct 06 20:17	18°♎10'29	1°03'47
max. Earth dist.	6909 Oct 23 11:23	29°♎00'43	2.63537 AU
	6909 Oct 24 23:59	0°♏	
morning rise	6909 Nov 23 00:40	18°♏38'01	
	6909 Dec 10 22:48	0°♐	
	6910 Jan 27 22:16	0°♑	
desc. node	6910 Mar 13 08:20	27°♑09'59	
	6910 Mar 18 01:25	0°♒	
	6910 May 08 17:12	0°♓	
	6910 Jul 10 01:09	0°♈	
retrograde	6910 Aug 19 05:46	8°♈18'36	
opposition	6910 Sep 20 13:09	2°♈20'21	-6°08'00
greatest brilliancy	6910 Sep 22 07:55	1°♈46'39	-2.5m
	6910 Sep 28 00:24	30°℞♓	
min. Earth dist.	6910 Sep 28 13:47	29°♓49'51	0.43075 AU
direct	6910 Oct 25 12:29	25°♓09'45	
	6910 Nov 21 16:08	0°♈	
	6911 Jan 17 16:24	0°♉	
asc. node	6911 Feb 04 14:39	12°♉01'02	
	6911 Mar 02 04:38	0°♊	
	6911 Apr 12 19:59	0°♋	
	6911 May 24 21:25	0°♌	
	6911 Jul 07 07:09	0°♍	
	6911 Aug 21 06:59	0°♎	
evening set	6911 Sep 28 18:57	24°♎58'11	
	6911 Oct 06 15:08	0°♏	
conjunction	6911 Nov 14 04:20	24°♏34'25	0°37'41
minimum elong	6911 Nov 14 05:19	24°♏36'00	0°37'44
max. Earth dist.	6911 Nov 15 18:34	25°♏35'08	2.67827 AU
	6911 Nov 22 17:24	0°♐	
morning rise	6911 Dec 28 06:51	22°♐35'33	
	6912 Jan 08 21:56	0°♑	

desc. node	6912 Jan 29 07:09	13°♑01'15	
	6912 Feb 24 17:37	0°♒	
	6912 Apr 11 00:49	0°♓	
	6912 May 26 23:50	0°♈	
	6912 Jul 12 06:36	0°♉	
	6912 Aug 30 14:21	0°♊	
retrograde	6912 Nov 07 01:50	23°♊46'03	
min. Earth dist.	6912 Dec 04 10:37	19°♊18'28	0.37196 AU
opposition	6912 Dec 07 21:53	18°♊21'29	-1°06'23
greatest brilliancy	6912 Dec 07 19:48	18°♊22'54	-3.0m
asc. node	6912 Dec 22 13:41	14°♊49'13	
direct	6913 Jan 06 04:53	13°♊24'37	
	6913 Mar 03 14:02	0°♋	
	6913 Apr 25 16:58	0°♌	
	6913 Jun 13 00:35	0°♍	
	6913 Jul 30 19:33	0°♎	
	6913 Sep 16 18:24	0°♏	
	6913 Nov 03 14:19	0°♐	
evening set	6913 Nov 04 00:49	0°♐16'33	
max. Earth dist.	6913 Dec 07 14:10	21°♐34'29	2.66608 AU
desc. node	6913 Dec 16 05:11	27°♐06'16	
conjunction	6913 Dec 18 18:24	28°♐44'41	-0°01'23
minimum elong	6913 Dec 18 18:23	28°♐44'40	0°01'19
behind sun begin	6913 Dec 17 23:58	28°♐15'02	
behind sun end	6913 Dec 19 12:49	29°♐14'19	
	6913 Dec 20 17:12	0°♑	
morning rise	6914 Jan 31 23:07	27°♑34'40	
	6914 Feb 04 14:47	0°♒	
	6914 Mar 21 00:35	0°♓	
	6914 May 02 22:23	0°♈	
	6914 Jun 13 12:36	0°♉	
	6914 Jul 24 06:57	0°♊	
	6914 Sep 03 05:57	0°♋	
	6914 Oct 16 19:52	0°♌	
asc. node	6914 Nov 09 12:35	14°♌17'52	
	6914 Dec 14 16:50	0°♍	
retrograde	6915 Jan 07 15:14	3°♍53'25	
	6915 Jan 30 22:28	30°℞♌	
min. Earth dist.	6915 Feb 05 09:10	28°♌10'28	0.48516 AU
greatest brilliancy	6915 Feb 12 06:55	25°♌40'22	-2.2m
opposition	6915 Feb 13 17:28	25°♌08'56	4°41'49
direct	6915 Mar 19 08:38	18°♌02'12	
	6915 May 07 08:09	0°♍	
	6915 Jul 06 05:32	0°♎	
	6915 Aug 27 06:40	0°♏	
	6915 Oct 15 20:46	0°♐	
desc. node	6915 Nov 03 04:05	11°♐22'32	
	6915 Dec 02 12:55	0°♑	
evening set	6915 Dec 10 09:35	5°♑04'12	
max. Earth dist.	6916 Jan 01 02:54	19°♑17'13	2.60010 AU
	6916 Jan 17 04:17	0°♒	
conjunction	6916 Jan 25 12:02	5°♒37'37	-0°42'01
minimum elong	6916 Jan 25 10:50	5°♒35'35	0°41'57
	6916 Feb 29 17:11	0°♓	
morning rise	6916 Mar 13 17:10	9°♓14'00	
	6916 Apr 11 07:42	0°♈	
	6916 May 21 08:44	0°♉	
	6916 Jun 29 10:24	0°♊	
	6916 Aug 07 07:50	0°♋	
	6916 Sep 16 02:59	0°♌	
asc. node	6916 Sep 26 12:20	7°♌35'24	
	6916 Oct 28 11:53	0°♍	
	6916 Dec 16 13:40	0°♎	
retrograde	6917 Feb 18 01:41	20°♎15'17	
min. Earth dist.	6917 Mar 24 14:31	12°♎25'26	0.60752 AU
opposition	6917 Mar 29 20:58	10°♎20'33	4°42'58
greatest brilliancy	6917 Mar 29 00:28	10°♎40'49	-1.6m
direct	6917 May 06 16:29	1°♎36'29	
	6917 Jul 31 20:15	0°♏	
desc. node	6917 Sep 20 03:22	27°♏32'48	
	6917 Sep 24 08:31	0°♐	
	6917 Nov 12 15:50	0°♑	
	6917 Dec 28 15:26	0°♒	
evening set	6918 Jan 18 22:29	14°♒33'42	
max. Earth dist.	6918 Feb 01 23:47	24°♒24'28	2.48616 AU
	6918 Feb 09 20:35	0°♓	
conjunction	6918 Mar 11 21:42	21°♓52'37	-1°06'04
minimum elong	6918 Mar 11 21:26	21°♓52'07	1°06'04
	6918 Mar 22 19:10	0°♈	
	6918 May 01 01:45	0°♉	
morning rise	6918 May 10 21:37	7°♉38'36	
	6918 Jun 08 10:12	0°♊	
	6918 Jul 16 16:31	0°♋	
greatest brilliancy	6918 Aug 07 09:16	16°♋47'04	1.2m
asc. node	6918 Aug 14 10:37	22°♋10'45	
	6918 Aug 24 18:10	0°♌	
	6918 Oct 04 14:51	0°♍	
	6918 Nov 17 13:02	0°♎	
	6919 Jan 06 10:59	0°♏	
retrograde	6919 Mar 25 09:12	26°♏11'16	
min. Earth dist.	6919 May 03 11:10	16°♏52'37	0.67260 AU
opposition	6919 May 04 21:13	16°♏18'42	3°01'09
greatest brilliancy	6919 May 04 17:55	16°♏21'59	-1.3m
direct	6919 Jun 14 06:51	6°♏42'05	
desc. node	6919 Aug 08 02:48	20°♏17'11	
	6919 Aug 29 08:39	0°♐	
	6919 Oct 22 19:57	0°♑	
	6919 Dec 09 05:54	0°♒	
	6920 Jan 21 16:48	0°♓	
	6920 Mar 02 09:44	0°♈	
evening set	6920 Mar 11 08:30	6°♈48'21	
	6920 Apr 10 07:14	0°♉	
max. Earth dist.	6920 May 10 00:10	23°♉25'10	2.36703 AU
conjunction	6920 May 15 12:45	27°♉47'37	-0°32'09
minimum elong	6920 May 15 15:44	27°♉53'31	0°32'10
	6920 May 18 07:38	0°♊	
	6920 Jun 25 08:53	0°♋	
asc. node	6920 Jul 01 08:17	4°♋39'50	
morning rise	6920 Jul 27 03:56	24°♋33'55	
	6920 Aug 03 07:44	0°♌	
	6920 Sep 12 22:55	0°♍	
	6920 Oct 25 22:52	0°♎	
	6920 Dec 11 03:27	0°♏	
	6921 Jan 31 18:17	0°♐	
retrograde	6921 Apr 27 18:54	29°♐04'36	
opposition	6921 Jun 06 16:40	19°♐42'46	0°38'24
greatest brilliancy	6921 Jun 06 18:15	19°♐41'12	-1.3m
min. Earth dist.	6921 Jun 09 02:07	18°♐46'21	0.67223 AU
desc. node	6921 Jun 25 02:00	13°♐06'22	
direct	6921 Jul 18 06:34	9°♐41'39	
	6921 Sep 24 12:58	0°♑	
	6921 Nov 16 09:54	0°♒	
	6921 Dec 31 06:55	0°♓	
	6922 Feb 10 08:12	0°♈	
	6922 Mar 21 06:08	0°♉	
	6922 Apr 28 06:08	0°♊	
asc. node	6922 May 19 08:01	16°♊38'47	
evening set	6922 May 21 17:52	18°♊32'33	
greatest brilliancy	6922 May 30 02:18	25°♊05'30	1.2m
	6922 Jun 05 09:11	0°♋	

	6922 Jul 14	12:35	0°♌		
conjunction	6922 Jul 28	14:52	10°♌30'51	0°44'26	
minimum elong	6922 Aug 24	08:12	10°♌25'46	0°44'21	
	6922 Aug 24	08:58	0°♍		
max. Earth dist.	6922 Sep 11	05:34	12°♍39'18	2.48818 AU	
morning rise	6922 Sep 26	18:09	23°♍25'49		
	6922 Oct 06	08:48	0°♎		
	6922 Nov 20	17:25	0°♏		
	6923 Jan 07	18:25	0°♐		
	6923 Mar 01	01:14	0°♑		
	6923 May 09	16:25	0°♒		
desc. node	6923 May 13	00:55	0°♒50'08		
retrograde	6923 Jun 05	06:20	3°♒46'19		
	6923 Jun 29	21:08	30°℞♑		
opposition	6923 Jul 13	06:37	25°♑19'34	-2°15'44	
greatest brilliancy	6923 Jul 13	17:39	25°♑09'06	-1.6m	
min. Earth dist.	6923 Jul 19	09:09	23°♑00'33	0.60651 AU	
direct	6923 Aug 23	07:55	15°♑27'31		
	6923 Oct 15	19:28	0°♒		
	6923 Dec 07	02:46	0°♓		
	6924 Jan 19	02:57	0°♈		
	6924 Feb 27	19:27	0°♉		
asc. node	6924 Apr 05	07:37	29°♉14'07		
	6924 Apr 06	07:06	0°♊		
	6924 May 14	21:47	0°♋		
	6924 Jun 23	14:30	0°♌		
evening set	6924 Jul 26	13:28	23°♌58'42		
	6924 Aug 04	00:51	0°♍		
	6924 Sep 16	11:36	0°♎		
conjunction	6924 Sep 19	20:28	2°♎16'15	1°07'14	
minimum elong	6924 Sep 19	20:37	2°♎16'29	1°07'15	
max. Earth dist.	6924 Oct 13	08:19	17°♎53'53	2.60375 AU	
	6924 Oct 31	20:59	0°♏		
morning rise	6924 Nov 08	09:45	4°♏52'10		
	6924 Dec 17	22:14	0°♐		
	6925 Feb 04	12:50	0°♑		
	6925 Mar 27	10:55	0°♒		
desc. node	6925 Mar 29	22:57	1°♒24'57		
	6925 May 24	02:33	0°♓		
retrograde	6925 Jul 24	13:45	16°♓46'36		
opposition	6925 Aug 27	19:36	9°♓56'22	-5°23'32	
greatest brilliancy	6925 Aug 29	10:33	9°♓22'56	-2.2m	
min. Earth dist.	6925 Sep 05	10:09	6°♓59'50	0.48428 AU	
direct	6925 Oct 04	11:24	1°♓31'51		
	6925 Dec 18	11:48	0°♈		
	6926 Jan 31	18:44	0°♉		
asc. node	6926 Feb 21	06:09	14°♉58'51		
	6926 Mar 13	09:39	0°♊		
	6926 Apr 22	12:42	0°♋		
	6926 Jun 02	12:56	0°♌		
	6926 Jul 15	03:23	0°♍		
	6926 Aug 28	12:54	0°♎		
evening set	6926 Sep 12	23:08	10°♎10'08		
	6926 Oct 13	11:48	0°♏		
conjunction	6926 Oct 30	21:12	11°♏09'52	0°50'00	
minimum elong	6926 Oct 30	22:21	11°♏11'42	0°50'01	
max. Earth dist.	6926 Nov 07	01:09	15°♏44'29	2.66807 AU	
	6926 Nov 29	10:56	0°♐		
morning rise	6926 Dec 14	18:46	9°♐42'55		
	6927 Jan 15	20:23	0°♑		
desc. node	6927 Feb 14	21:23	18°♑59'05		
	6927 Mar 04	07:59	0°♒		
	6927 Apr 21	00:11	0°♓		
	6927 Jun 08	15:39	0°♈		
	6927 Jul 31	08:28	0°♉		
retrograde	6927 Oct 07	01:00	21°♉38'35		
opposition	6927 Nov 05	21:35	16°♉43'01	-4°31'08	
greatest brilliancy	6927 Nov 06	11:57	16°♉33'25	-3.0m	
min. Earth dist.	6927 Nov 08	08:34	16°♉03'36	0.37163 AU	
direct	6927 Dec 06	04:41	11°♉34'25		
asc. node	6928 Jan 09	06:32	18°♉46'30		
	6928 Feb 02	07:49	0°♊		
	6928 Mar 23	04:11	0°♋		
	6928 May 07	20:07	0°♌		
	6928 Jun 22	08:55	0°♍		
	6928 Aug 07	17:31	0°♎		
	6928 Sep 23	21:31	0°♏		
evening set	6928 Oct 20	22:52	17°♏05'52		
	6928 Nov 10	08:33	0°♐		
max. Earth dist.	6928 Nov 28	16:40	11°♐37'58	2.67743 AU	
conjunction	6928 Dec 04	23:20	15°♐37'43	0°14'34	
minimum elong	6928 Dec 04	23:46	15°♐38'25	0°14'38	
behind sun begin	6928 Dec 04	16:18	15°♐26'32		
behind sun end	6928 Dec 05	07:14	15°♐50'18		
	6928 Dec 27	10:37	0°♑		
desc. node	6929 Jan 01	19:29	3°♑27'16		
morning rise	6929 Jan 17	17:54	13°♑45'11		
	6929 Feb 11	14:44	0°♒		
	6929 Mar 28	14:29	0°♓		
	6929 May 11	09:16	0°♈		
	6929 Jun 23	03:10	0°♉		
	6929 Aug 04	10:03	0°♊		
	6929 Sep 16	21:41	0°♋		
	6929 Nov 07	18:08	0°♌		
asc. node	6929 Nov 26	06:53	6°♌55'20		
retrograde	6929 Dec 17	21:08	10°♌09'49		
min. Earth dist.	6930 Jan 13	15:22	5°♌17'38	0.43074 AU	
opposition	6930 Jan 21	19:47	2°♌34'30	3°27'22	
greatest brilliancy	6930 Jan 20	16:55	2°♌56'56	-2.6m	
	6930 Jan 30	00:01	30°℞♋		
direct	6930 Feb 22	11:11	26°♋22'38		
	6930 Mar 19	03:32	0°♌		
	6930 May 25	02:28	0°♍		
	6930 Jul 16	07:59	0°♎		
	6930 Sep 04	05:32	0°♏		
	6930 Oct 22	22:56	0°♐		
desc. node	6930 Nov 19	17:43	17°♐28'11		
evening set	6930 Nov 26	02:00	21°♐30'14		
	6930 Dec 09	08:16	0°♑		
max. Earth dist.	6930 Dec 22	02:39	8°♑15'46	2.63209 AU	
conjunction	6931 Jan 10	06:17	20°♑49'42	-0°26'56	
minimum elong	6931 Jan 10	05:27	20°♑48'21	0°26'52	
	6931 Jan 24	00:52	0°♒		
morning rise	6931 Feb 25	06:43	21°♒56'58		
	6931 Mar 08	20:29	0°♓		
	6931 Apr 19	21:02	0°♈		
	6931 May 30	09:35	0°♉		
	6931 Jul 08	22:44	0°♊		
	6931 Aug 17	08:16	0°♋		
	6931 Sep 26	20:54	0°♌		
asc. node	6931 Oct 14	04:51	12°♌13'45		
	6931 Nov 10	00:46	0°♍		
	6932 Jan 09	05:01	0°♎		
retrograde	6932 Feb 03	20:20	4°♎11'56		
	6932 Feb 28	04:38	30°℞♍		
min. Earth dist.	6932 Mar 07	05:04	27°♍07'25	0.56515 AU	
opposition	6932 Mar 13	21:50	24°♍31'34	5°02'25	
greatest brilliancy	6932 Mar 12	17:39	24°♍58'57	-1.8m	
direct	6932 Apr 19	07:09	16°♍18'43		

	6932 Jun 12 11:25	0°♎	
	6932 Aug 11 11:20	0°♏	
	6932 Oct 02 08:27	0°♐	
desc. node	6932 Oct 06 17:04	2°♐37'24	
	6932 Nov 19 20:22	0°♑	
evening set	6933 Jan 02 06:30	28°♑24'27	
	6933 Jan 04 15:18	0°♒	
max. Earth dist.	6933 Jan 18 11:06	9°♒24'05	2.53563 AU
	6933 Feb 16 22:40	0°♓	
conjunction	6933 Feb 20 04:45	2°♓19'11	-1°00'43
minimum elong	6933 Feb 20 03:36	2°♓17'07	1°00'40
	6933 Mar 30 02:36	0°♈	
morning rise	6933 Apr 15 07:21	12°♈10'16	
	6933 May 08 15:19	0°♉	
	6933 Jun 16 05:03	0°♊	
	6933 Jul 24 15:24	0°♋	
asc. node	6933 Aug 31 03:13	28°♋41'42	
	6933 Sep 01 20:54	0°♌	
	6933 Oct 13 00:53	0°♍	
	6933 Nov 26 22:26	0°♎	
	6934 Jan 20 12:55	0°♏	
retrograde	6934 Mar 12 01:15	13°♏03'41	
min. Earth dist.	6934 Apr 18 12:38	4°♏15'35	0.65485 AU
opposition	6934 Apr 21 10:42	3°♏05'43	3°46'53
greatest brilliancy	6934 Apr 21 01:46	3°♏14'38	-1.4m
	6934 Apr 29 10:09	30°℞♎	
direct	6934 May 30 23:43	23°♎45'50	
	6934 Jul 05 01:25	0°♏	
desc. node	6934 Aug 24 17:04	21°♏46'29	
	6934 Sep 09 08:19	0°♐	
	6934 Oct 31 00:05	0°♑	
	6934 Dec 16 16:29	0°♒	
	6935 Jan 28 23:47	0°♓	
evening set	6935 Feb 17 19:50	14°♓23'49	
max. Earth dist.	6935 Mar 08 16:20	28°♓25'58	2.40451 AU
	6935 Mar 10 18:15	0°♈	
conjunction	6935 Apr 18 02:21	29°♈27'59	-0°55'24
minimum elong	6935 Apr 18 04:58	29°♈33'05	0°55'25
	6935 Apr 18 18:46	0°♉	
	6935 May 26 21:35	0°♊	
morning rise	6935 Jun 27 09:35	24°♊50'07	
	6935 Jul 03 23:53	0°♋	
asc. node	6935 Jul 19 02:06	11°♋44'29	
	6935 Aug 11 22:31	0°♌	
	6935 Sep 21 13:31	0°♍	
	6935 Nov 03 17:25	0°♎	
	6935 Dec 20 17:04	0°♏	
	6936 Feb 14 02:24	0°♐	
retrograde	6936 Apr 14 05:03	16°♐30'53	
opposition	6936 May 24 12:00	6°♐54'23	1°37'28
greatest brilliancy	6936 May 24 13:37	6°♐52'47	-1.3m
min. Earth dist.	6936 May 25 09:57	6°♐32'40	0.68029 AU
	6936 Jun 12 23:49	30°℞♏	
direct	6936 Jul 04 19:00	26°♏59'36	
desc. node	6936 Jul 11 16:30	27°♏16'38	
	6936 Jul 28 05:54	0°♐	
	6936 Oct 06 08:25	0°♑	
	6936 Nov 25 02:43	0°♒	
	6937 Jan 08 05:25	0°♓	
	6937 Feb 18 01:33	0°♈	
	6937 Mar 28 22:16	0°♉	
evening set	6937 Apr 22 06:22	19°♉11'53	
	6937 May 05 21:29	0°♊	
asc. node	6937 Jun 04 23:45	23°♊45'47	
	6937 Jun 12 22:57	0°♋	
conjunction	6937 Jul 01 13:09	14°♋25'23	0°18'31
minimum elong	6937 Jul 01 11:20	14°♋21'54	0°18'25
	6937 Jul 21 23:34	0°♌	
max. Earth dist.	6937 Aug 22 13:35	23°♌24'16	2.43315 AU
	6937 Aug 31 16:31	0°♍	
morning rise	6937 Sep 05 16:29	3°♍34'53	
	6937 Oct 13 14:20	0°♎	
	6937 Nov 28 02:29	0°♏	
	6938 Jan 15 23:37	0°♐	
	6938 Mar 12 18:34	0°♑	
retrograde	6938 May 20 09:40	19°♑54'17	
desc. node	6938 May 29 14:55	19°♑22'34	
opposition	6938 Jun 28 08:14	11°♑02'16	-1°04'39
greatest brilliancy	6938 Jun 28 12:11	10°♑58'28	-1.5m
min. Earth dist.	6938 Jul 03 00:39	9°♑13'43	0.64008 AU
direct	6938 Aug 08 20:38	1°♑00'48	
	6938 Oct 30 10:24	0°♒	
	6938 Dec 17 02:24	0°♓	
	6939 Jan 27 23:51	0°♈	
	6939 Mar 08 05:40	0°♉	
	6939 Apr 15 10:26	0°♊	
asc. node	6939 Apr 22 23:48	5°♊56'48	
	6939 May 23 18:37	0°♋	
	6939 Jul 02 04:24	0°♌	
evening set	6939 Jul 04 01:01	1°♌23'13	
	6939 Aug 12 07:35	0°♍	
conjunction	6939 Sep 01 23:16	14°♍31'35	1°04'54
minimum elong	6939 Sep 01 22:17	14°♍29'51	1°04'53
	6939 Sep 24 12:28	0°♎	
max. Earth dist.	6939 Oct 03 01:03	5°♎45'09	2.56419 AU
morning rise	6939 Oct 24 18:13	20°♎10'38	
	6939 Nov 08 19:25	0°♏	
	6939 Dec 26 02:03	0°♐	
	6940 Feb 13 14:55	0°♑	
	6940 Apr 07 12:52	0°♒	
desc. node	6940 Apr 15 13:04	4°♒02'57	
retrograde	6940 Jul 02 18:48	28°♒34'53	
opposition	6940 Aug 07 19:03	21°♒00'09	-4°13'32
greatest brilliancy	6940 Aug 08 22:48	20°♒35'01	-1.9m
min. Earth dist.	6940 Aug 15 18:44	18°♒06'49	0.53749 AU
direct	6940 Sep 16 06:55	11°♒46'21	
	6940 Nov 14 01:35	0°♓	
	6941 Jan 01 09:14	0°♈	
	6941 Feb 11 18:16	0°♉	
asc. node	6941 Mar 10 00:20	19°♉56'27	
	6941 Mar 23 03:11	0°♊	
	6941 May 01 10:05	0°♋	
	6941 Jun 10 17:48	0°♌	
	6941 Jul 22 17:57	0°♍	
evening set	6941 Aug 26 17:46	24°♍00'04	
	6941 Sep 04 16:11	0°♎	
conjunction	6941 Oct 15 21:05	27°♎07'10	0°59'40
minimum elong	6941 Oct 15 22:07	27°♎08'51	0°59'42
	6941 Oct 20 07:49	0°♏	
max. Earth dist.	6941 Oct 29 01:29	5°♏38'12	2.64931 AU
morning rise	6941 Dec 01 02:25	26°♏44'29	
	6941 Dec 06 05:46	0°♐	
	6942 Jan 22 22:55	0°♑	
desc. node	6942 Mar 03 11:14	24°♑31'48	
	6942 Mar 12 08:42	0°♒	
	6942 May 01 03:35	0°♓	
	6942 Jun 24 08:31	0°♈	
retrograde	6942 Sep 04 17:33	22°♈51'31	
opposition	6942 Oct 05 22:59	17°♈22'47	-6°04'55
greatest brilliancy	6942 Oct 07 12:49	16°♈54'57	-2.7m

min. Earth dist.	6942 Oct 12 19:47	15°♈22'28	0.40413 AU
direct	6942 Nov 08 02:26	11°♈01'08	
	6943 Jan 05 06:05	0°♉	
asc. node	6943 Jan 25 23:04	12°♉17'21	
	6943 Feb 21 21:50	0°♊	
	6943 Apr 06 01:32	0°♋	
	6943 May 18 23:49	0°♌	
	6943 Jul 01 23:00	0°♍	
	6943 Aug 16 07:58	0°♎	
	6943 Oct 01 21:37	0°♏	
evening set	6943 Oct 07 09:52	3°♏30'52	
	6943 Nov 18 02:11	0°♐	
max. Earth dist.	6943 Nov 20 21:35	1°♐46'59	2.68026 AU
conjunction	6943 Nov 22 04:28	2°♐35'59	0°29'33
minimum elong	6943 Nov 22 05:18	2°♐37'18	0°29'36
	6944 Jan 04 05:22	0°♑	
morning rise	6944 Jan 05 01:08	0°♑31'36	
desc. node	6944 Jan 19 09:18	9°♑43'15	
	6944 Feb 19 18:46	0°♒	
	6944 Apr 05 13:15	0°♓	
	6944 May 20 13:42	0°♈	
	6944 Jul 04 04:09	0°♉	
	6944 Aug 18 13:33	0°♊	
	6944 Oct 09 16:28	0°♋	
retrograde	6944 Nov 23 06:25	11°♋54'36	
asc. node	6944 Dec 12 22:23	9°♋17'04	
min. Earth dist.	6944 Dec 19 11:20	7°♋31'49	0.38647 AU
opposition	6944 Dec 25 10:05	5°♋47'41	0°54'12
greatest brilliancy	6944 Dec 25 04:17	5°♋51'56	-2.9m
direct	6945 Jan 24 08:06	0°♋30'56	
	6945 Apr 16 03:19	0°♌	
	6945 Jun 06 07:40	0°♍	
	6945 Jul 25 06:19	0°♎	
	6945 Sep 11 18:44	0°♏	
	6945 Oct 29 21:14	0°♐	
evening set	6945 Nov 12 01:15	8°♐17'44	
desc. node	6945 Dec 06 07:53	23°♐43'59	
max. Earth dist.	6945 Dec 12 20:59	27°♐55'54	2.65614 AU
	6945 Dec 16 02:08	0°♑	
conjunction	6945 Dec 26 19:42	6°♑56'18	-0°10'53
minimum elong	6945 Dec 26 19:22	6°♑55'46	0°10'49
behind sun begin	6945 Dec 26 05:21	6°♑33'03	
behind sun end	6945 Dec 27 09:22	7°♑18'29	
	6946 Jan 30 21:47	0°♒	
morning rise	6946 Feb 09 11:46	6°♒24'31	
	6946 Mar 16 02:29	0°♓	
	6946 Apr 27 16:16	0°♈	
	6946 Jun 07 20:29	0°♉	
	6946 Jul 18 02:22	0°♊	
	6946 Aug 27 07:44	0°♋	
	6946 Oct 08 06:37	0°♌	
asc. node	6946 Oct 30 22:32	14°♌53'09	
	6946 Nov 26 04:07	0°♍	
retrograde	6947 Jan 18 02:23	15°♍59'02	
min. Earth dist.	6947 Feb 17 02:35	9°♍46'27	0.51496 AU
greatest brilliancy	6947 Feb 23 14:54	7°♍20'34	-2.1m
opposition	6947 Feb 25 00:47	6°♍48'47	4°59'41
	6947 Mar 21 05:01	30°℞♌	
direct	6947 Mar 31 17:43	29°♌15'50	
	6947 Apr 11 15:40	0°♍	
	6947 Jun 28 15:23	0°♎	
	6947 Aug 21 14:42	0°♏	
	6947 Oct 10 21:23	0°♐	
desc. node	6947 Oct 24 07:16	8°♐15'05	
	6947 Nov 27 20:10	0°♑	
evening set	6947 Dec 18 20:00	13°♑35'54	
max. Earth dist.	6948 Jan 07 08:50	26°♑31'58	2.57888 AU
	6948 Jan 12 12:49	0°♒	
conjunction	6948 Feb 03 17:45	15°♒08'26	-0°49'53
minimum elong	6948 Feb 03 16:26	15°♒06'10	0°49'49
	6948 Feb 24 23:57	0°♓	
morning rise	6948 Mar 24 16:17	20°♓37'06	
	6948 Apr 06 10:39	0°♈	
	6948 May 16 07:14	0°♉	
	6948 Jun 24 04:14	0°♊	
	6948 Aug 01 20:56	0°♋	
	6948 Sep 10 09:37	0°♌	
asc. node	6948 Sep 16 19:55	4°♌45'36	
	6948 Oct 22 03:41	0°♍	
	6948 Dec 07 23:25	0°♎	
retrograde	6949 Feb 26 06:38	29°♎09'21	
min. Earth dist.	6949 Apr 02 22:14	20°♎56'54	0.62708 AU
opposition	6949 Apr 07 08:18	19°♎11'33	4°25'23
greatest brilliancy	6949 Apr 06 16:14	19°♎27'32	-1.5m
direct	6949 May 15 19:45	10°♎13'11	
	6949 Jul 23 12:53	0°♏	
desc. node	6949 Sep 10 06:52	25°♏15'57	
	6949 Sep 18 15:36	0°♐	
	6949 Nov 07 16:22	0°♑	
	6949 Dec 23 21:52	0°♒	
evening set	6950 Jan 29 02:19	24°♒57'49	
	6950 Feb 05 04:13	0°♓	
max. Earth dist.	6950 Feb 11 20:30	4°♓47'43	2.45700 AU
	6950 Mar 18 01:33	0°♈	
conjunction	6950 Mar 24 07:27	4°♈42'32	-1°05'28
minimum elong	6950 Mar 24 08:07	4°♈43'46	1°05'29
	6950 Apr 26 06:00	0°♉	
morning rise	6950 May 27 05:27	24°♉16'04	
	6950 Jun 03 12:03	0°♊	
	6950 Jul 11 16:12	0°♋	
asc. node	6950 Aug 04 17:52	18°♋38'30	
	6950 Aug 19 15:47	0°♌	
	6950 Sep 29 08:43	0°♍	
	6950 Nov 11 21:06	0°♎	
	6950 Dec 30 06:50	0°♏	
	6951 Mar 06 08:26	0°♐	
retrograde	6951 Apr 01 23:19	3°♐58'35	
	6951 Apr 26 16:23	30°℞♏	
opposition	6951 May 12 10:41	24°♏10'50	2°31'44
greatest brilliancy	6951 May 12 09:47	24°♏11'43	-1.3m
min. Earth dist.	6951 May 11 20:58	24°♏24'28	0.67827 AU
direct	6951 Jun 22 05:05	14°♏26'35	
desc. node	6951 Jul 29 06:14	21°♏19'26	
	6951 Aug 20 12:44	0°♐	
	6951 Oct 17 00:38	0°♑	
	6951 Dec 04 03:45	0°♒	
	6952 Jan 16 20:21	0°♓	
	6952 Feb 26 14:45	0°♈	
evening set	6952 Mar 25 11:03	21°♈22'30	
	6952 Apr 05 12:13	0°♉	
	6952 May 13 12:01	0°♊	
conjunction	6952 Jun 01 12:26	15°♊02'58	-0°14'23
minimum elong	6952 Jun 01 13:59	15°♊06'03	0°14'25
behind sun begin	6952 Jun 01 00:08	14°♊38'42	
behind sun end	6952 Jun 02 03:50	15°♊33'23	
	6952 Jun 20 12:42	0°♋	
asc. node	6952 Jun 21 17:46	0°♋56'48	
max. Earth dist.	6952 Jul 16 14:29	20°♋12'14	2.38037 AU
	6952 Jul 29 11:15	0°♌	

morning rise	6952 Aug 11 22:32	10°♌06'59	
	6952 Sep 08 01:40	0°♍	
	6952 Oct 20 23:01	0°♎	
	6952 Dec 05 18:36	0°♏	
	6953 Jan 25 00:51	0°♐	
	6953 Mar 30 02:42	0°♑	
retrograde	6953 May 05 19:09	6°♑51'00	
	6953 Jun 08 07:00	30°℞♐	
opposition	6953 Jun 14 10:10	27°♐38'45	0°01'41
greatest brilliancy	6953 Jun 14 10:21	27°♐38'34	-1.4m
desc. node	6953 Jun 15 05:05	27°♐20'15	
min. Earth dist.	6953 Jun 17 15:35	26°♐23'06	0.66355 AU
direct	6953 Jul 26 01:17	17°♐35'51	
	6953 Sep 14 16:02	0°♑	
	6953 Nov 10 06:08	0°♒	
	6953 Dec 25 22:08	0°♓	
	6954 Feb 05 05:43	0°♈	
	6954 Mar 16 06:19	0°♉	
	6954 Apr 23 07:42	0°♊	
asc. node	6954 May 09 16:59	12°♊55'55	
	6954 May 31 12:01	0°♋	
evening set	6954 Jun 07 01:17	5°♋05'07	
	6954 Jul 09 16:55	0°♌	
conjunction	6954 Aug 11 06:54	24°♌00'50	0°54'38
minimum elong	6954 Aug 11 04:36	23°♌56'41	0°54'34
	6954 Aug 19 14:35	0°♍	
max. Earth dist.	6954 Sep 19 22:26	22°♍00'11	2.51682 AU
	6954 Oct 01 14:51	0°♎	
morning rise	6954 Oct 07 11:31	3°♎58'16	
	6954 Nov 15 21:09	0°♏	
	6955 Jan 02 12:56	0°♐	
	6955 Feb 22 12:17	0°♑	
	6955 Apr 23 14:30	0°♒	
desc. node	6955 May 03 03:13	3°♒42'23	
retrograde	6955 Jun 14 23:18	12°♒37'49	
opposition	6955 Jul 22 08:45	4°♒27'33	-2°58'31
greatest brilliancy	6955 Jul 23 01:13	4°♒12'07	-1.7m
min. Earth dist.	6955 Jul 29 05:12	1°♒53'33	0.58426 AU
	6955 Aug 03 12:20	30°℞♑	
direct	6955 Sep 01 00:18	24°♑44'47	
	6955 Sep 30 22:53	0°♒	
	6955 Nov 29 22:05	0°♓	
	6956 Jan 13 02:47	0°♈	
	6956 Feb 22 05:56	0°♉	
asc. node	6956 Mar 26 15:54	25°♉52'18	
	6956 Mar 31 23:12	0°♊	
	6956 May 09 18:03	0°♋	
	6956 Jun 18 14:45	0°♌	
	6956 Jul 30 04:41	0°♍	
evening set	6956 Aug 07 13:06	5°♍51'31	
	6956 Sep 11 18:21	0°♎	
conjunction	6956 Sep 29 17:20	11°♎59'40	1°05'49
minimum elong	6956 Sep 29 17:55	12°♎00'39	1°05'50
max. Earth dist.	6956 Oct 19 06:56	24°♎51'16	2.62229 AU
	6956 Oct 27 04:47	0°♏	
morning rise	6956 Nov 16 21:08	13°♏19'06	
	6956 Dec 13 03:38	0°♐	
	6957 Jan 30 08:19	0°♑	
desc. node	6957 Mar 20 01:33	29°♑22'42	
	6957 Mar 21 02:54	0°♒	
	6957 May 13 16:12	0°♓	
retrograde	6957 Aug 07 11:15	28°♓55'26	
opposition	6957 Sep 09 15:59	22°♓33'04	-5°53'45
greatest brilliancy	6957 Sep 11 10:34	21°♓57'59	-2.4m
min. Earth dist.	6957 Sep 18 03:33	19°♓46'39	0.45440 AU
direct	6957 Oct 15 22:01	14°♓46'18	
	6957 Dec 06 05:29	0°♈	
	6958 Jan 23 19:24	0°♉	
asc. node	6958 Feb 11 15:53	13°♉15'14	
	6958 Mar 06 17:54	0°♊	
	6958 Apr 16 13:41	0°♋	
	6958 May 28 01:36	0°♌	
	6958 Jul 10 00:42	0°♍	
	6958 Aug 23 16:41	0°♎	
evening set	6958 Sep 22 03:11	19°♎14'08	
	6958 Oct 08 19:36	0°♏	
conjunction	6958 Nov 08 03:08	19°♏22'54	0°43'04
minimum elong	6958 Nov 08 04:13	19°♏24'37	0°43'06
max. Earth dist.	6958 Nov 12 04:49	21°♏58'18	2.67475 AU
	6958 Nov 24 19:59	0°♐	
morning rise	6958 Dec 22 12:42	17°♐34'35	
	6959 Jan 11 02:22	0°♑	
desc. node	6959 Feb 05 00:33	15°♑51'21	
	6959 Feb 27 04:34	0°♒	
	6959 Apr 15 01:03	0°♓	
	6959 May 31 23:49	0°♈	
	6959 Jul 19 05:59	0°♉	
	6959 Sep 13 10:21	0°♊	
retrograde	6959 Oct 25 09:03	10°♊02'33	
opposition	6959 Nov 24 12:28	4°♊59'52	-2°42'36
min. Earth dist.	6959 Nov 23 14:32	5°♊14'28	0.36742 AU
greatest brilliancy	6959 Nov 24 13:45	4°♊59'01	-3.0m
direct	6959 Dec 23 21:49	0°♊06'40	
asc. node	6959 Dec 30 15:25	0°♊25'00	
	6960 Mar 12 20:46	0°♋	
	6960 Apr 30 14:10	0°♌	
	6960 Jun 16 10:41	0°♍	
	6960 Aug 02 12:09	0°♎	
	6960 Sep 19 01:30	0°♏	
evening set	6960 Oct 29 00:48	25°♏08'54	
	6960 Nov 05 17:17	0°♐	
max. Earth dist.	6960 Dec 03 20:09	17°♐50'14	2.67223 AU
conjunction	6960 Dec 12 20:01	23°♐35'01	0°05'23
minimum elong	6960 Dec 12 20:12	23°♐35'18	0°05'26
behind sun begin	6960 Dec 12 02:36	23°♐07'10	
behind sun end	6960 Dec 13 13:48	24°♐03'26	
desc. node	6960 Dec 22 22:24	0°♑03'42	
	6960 Dec 22 20:06	0°♑	
morning rise	6961 Jan 25 18:41	22°♑02'01	
	6961 Feb 06 21:01	0°♒	
	6961 Mar 23 13:30	0°♓	
	6961 May 05 20:29	0°♈	
	6961 Jun 16 22:16	0°♉	
	6961 Jul 28 06:12	0°♊	
	6961 Sep 08 00:55	0°♋	
	6961 Oct 23 14:18	0°♌	
asc. node	6961 Nov 16 14:13	12°♌56'36	
retrograde	6961 Dec 30 01:16	24°♌36'02	
min. Earth dist.	6962 Jan 26 19:13	19°♌17'25	0.46056 AU
greatest brilliancy	6962 Feb 02 22:00	16°♌48'04	-2.4m
opposition	6962 Feb 04 07:02	16°♌19'01	4°18'33
direct	6962 Mar 09 01:10	9°♌35'49	
	6962 May 15 04:50	0°♍	
	6962 Jul 09 21:39	0°♎	
	6962 Aug 29 22:02	0°♏	
	6962 Oct 18 03:01	0°♐	
desc. node	6962 Nov 09 21:02	14°♐12'29	
evening set	6962 Dec 04 04:53	29°♐40'45	
	6962 Dec 04 16:52	0°♑	
max. Earth dist.	6962 Dec 27 20:20	15°♑01'49	2.61547 AU

conjunction	6963 Jan 18 19:31	29°♋36'10	-0°35'53
minimum elong	6963 Jan 18 18:27	29°♋34'23	0°35'49
	6963 Jan 19 09:43	0°♒	
	6963 Mar 04 02:44	0°♓	
morning rise	6963 Mar 06 22:08	1°♓58'29	
	6963 Apr 14 22:28	0°♈	
	6963 May 25 05:08	0°♉	
	6963 Jul 03 11:46	0°♊	
	6963 Aug 11 13:32	0°♋	
	6963 Sep 20 14:06	0°♌	
asc. node	6963 Oct 04 13:47	10°♌06'33	
	6963 Nov 02 11:03	0°♍	
	6963 Dec 23 23:00	0°♎	
retrograde	6964 Feb 12 17:38	14°♎04'24	
min. Earth dist.	6964 Mar 17 07:46	6°♎33'33	0.58969 AU
greatest brilliancy	6964 Mar 22 05:27	4°♎38'04	-1.7m
opposition	6964 Mar 23 05:25	4°♎14'29	4°53'33
	6964 Apr 03 19:02	30°℞♍	
direct	6964 Apr 29 10:07	25°♍43'17	
	6964 May 27 12:34	0°♎	
	6964 Aug 04 16:33	0°♏	
desc. node	6964 Sep 26 20:34	29°♏54'45	
	6964 Sep 27 00:07	0°♐	
	6964 Nov 14 23:53	0°♑	
	6964 Dec 30 22:38	0°♒	
evening set	6965 Jan 11 13:40	7°♒53'07	
max. Earth dist.	6965 Jan 26 08:08	18°♒04'53	2.50893 AU
	6965 Feb 12 06:06	0°♓	
conjunction	6965 Mar 03 00:36	13°♓31'44	-1°04'41
minimum elong	6965 Mar 02 23:50	13°♓30'22	1°04'39
	6965 Mar 25 08:01	0°♈	
morning rise	6965 Apr 29 04:14	26°♈28'05	
	6965 May 03 18:05	0°♉	
	6965 Jun 11 05:09	0°♊	
	6965 Jul 19 12:50	0°♋	
asc. node	6965 Aug 21 12:17	25°♋22'23	
	6965 Aug 27 15:12	0°♌	
	6965 Oct 07 13:01	0°♍	
	6965 Nov 20 17:04	0°♎	
	6966 Jan 10 21:17	0°♏	
retrograde	6966 Mar 19 18:06	21°♏09'05	
min. Earth dist.	6966 Apr 27 03:28	12°♏03'16	0.66587 AU
opposition	6966 Apr 29 05:17	11°♏13'34	3°20'57
greatest brilliancy	6966 Apr 28 23:44	11°♏19'07	-1.3m
direct	6966 Jun 08 05:52	1°♏43'50	
desc. node	6966 Aug 14 20:01	20°♏55'08	
	6966 Sep 02 09:15	0°♐	
	6966 Oct 25 14:35	0°♑	
	6966 Dec 11 18:16	0°♒	
	6967 Jan 24 05:08	0°♓	
evening set	6967 Mar 02 03:26	27°♓06'08	
	6967 Mar 05 23:45	0°♈	
max. Earth dist.	6967 Mar 31 18:18	19°♈43'22	2.37921 AU
	6967 Apr 13 23:15	0°♉	
conjunction	6967 May 03 16:26	15°♉29'40	-0°43'46
minimum elong	6967 May 03 19:40	15°♉36'01	0°43'47
	6967 May 22 00:52	0°♊	
	6967 Jun 29 02:07	0°♋	
asc. node	6967 Jul 09 09:52	8°♋02'58	
morning rise	6967 Jul 15 00:40	12°♋24'16	
	6967 Aug 07 00:02	0°♌	
	6967 Sep 16 13:46	0°♍	
	6967 Oct 29 13:20	0°♎	
	6967 Dec 14 22:38	0°♏	
	6968 Feb 05 15:40	0°♐	
retrograde	6968 Apr 21 22:41	24°♐11'31	
opposition	6968 Jun 01 01:05	14°♐42'51	1°03'23
greatest brilliancy	6968 Jun 01 02:59	14°♐40'58	-1.3m
min. Earth dist.	6968 Jun 02 19:02	14°♐01'29	0.67708 AU
desc. node	6968 Jul 01 18:50	5°♐27'36	
direct	6968 Jul 12 12:17	4°♐43'55	
	6968 Sep 29 01:03	0°♑	
	6968 Nov 19 12:18	0°♒	
	6969 Jan 03 02:52	0°♓	
	6969 Feb 13 02:57	0°♈	
	6969 Mar 24 01:01	0°♉	
	6969 May 01 00:44	0°♊	
evening set	6969 May 08 18:41	6°♊08'11	
asc. node	6969 May 26 09:14	20°♊01'53	
	6969 Jun 08 02:27	0°♋	
conjunction	6969 Jul 17 06:08	0°♌04'44	0°34'30
minimum elong	6969 Jul 17 03:25	29°♋59'37	0°34'24
	6969 Jul 17 03:37	0°♌	
	6969 Aug 26 21:08	0°♍	
max. Earth dist.	6969 Sep 03 13:27	5°♍29'34	2.46383 AU
morning rise	6969 Sep 18 00:23	15°♍41'11	
	6969 Oct 08 18:25	0°♎	
	6969 Nov 23 02:42	0°♏	
	6970 Jan 10 09:30	0°♐	
	6970 Mar 04 18:20	0°♑	
desc. node	6970 May 19 17:51	27°♑40'08	
retrograde	6970 May 29 06:55	28°♑12'00	
opposition	6970 Jul 06 17:50	19°♑33'27	-1°45'28
greatest brilliancy	6970 Jul 07 01:28	19°♑26'08	-1.5m
min. Earth dist.	6970 Jul 12 05:32	17°♑27'21	0.62265 AU
direct	6970 Aug 17 01:03	9°♑35'57	
	6970 Oct 21 22:45	0°♒	
	6970 Dec 10 22:16	0°♓	
	6971 Jan 22 10:53	0°♈	
	6971 Mar 02 23:05	0°♉	
	6971 Apr 10 07:37	0°♊	
asc. node	6971 Apr 13 09:06	2°♊24'10	
	6971 May 18 18:40	0°♋	
	6971 Jun 27 07:12	0°♌	
evening set	6971 Jul 17 17:23	15°♌02'09	
	6971 Aug 07 12:57	0°♍	
conjunction	6971 Sep 12 23:03	25°♍20'33	1°07'03
minimum elong	6971 Sep 12 22:45	25°♍20'03	1°07'03
	6971 Sep 19 19:34	0°♎	
max. Earth dist.	6971 Oct 09 16:22	13°♎19'01	2.58697 AU
morning rise	6971 Nov 02 20:03	29°♎10'33	
	6971 Nov 04 02:31	0°♏	
	6971 Dec 21 04:48	0°♐	
	6972 Feb 08 02:56	0°♑	
	6972 Mar 31 01:22	0°♒	
desc. node	6972 Apr 05 16:15	3°♒03'48	
	6972 Jun 01 18:05	0°♓	
retrograde	6972 Jul 14 17:10	9°♓02'49	
opposition	6972 Aug 18 18:30	1°♓51'37	-4°54'55
greatest brilliancy	6972 Aug 20 04:56	1°♓21'13	-2.1m
	6972 Aug 24 00:32	30°℞♒	
min. Earth dist.	6972 Aug 27 04:08	28°♒54'06	0.50844 AU
direct	6972 Sep 26 07:37	23°♒02'06	
	6972 Oct 30 01:18	0°♓	
	6972 Dec 24 10:46	0°♈	
	6973 Feb 05 04:36	0°♉	
asc. node	6973 Feb 28 07:31	17°♉14'35	
	6973 Mar 17 04:23	0°♊	
	6973 Apr 25 20:50	0°♋	
	6973 Jun 05 12:10	0°♌	

	6973 Jul 17 18:46	0°♍	
	6973 Aug 30 21:50	0°♎	
evening set	6973 Sep 05 18:01	3°♎52'57	
	6973 Oct 15 16:25	0°♏	
conjunction	6973 Oct 24 13:24	5°♏43'12	0°54'23
minimum elong	6973 Oct 24 14:32	5°♏45'01	0°54'25
max. Earth dist.	6973 Nov 03 09:57	12°♏02'37	2.66077 AU
	6973 Dec 01 14:20	0°♐	
morning rise	6973 Dec 08 23:19	4°♐40'28	
	6974 Jan 18 02:32	0°♑	
desc. node	6974 Feb 21 14:20	21°♑38'51	
	6974 Mar 06 22:59	0°♒	
	6974 Apr 24 10:26	0°♓	
	6974 Jun 13 21:24	0°♈	
	6974 Aug 12 19:32	0°♉	
retrograde	6974 Sep 22 14:57	8°♉53'47	
opposition	6974 Oct 22 19:41	3°♉48'55	-5°27'47
greatest brilliancy	6974 Oct 23 22:23	3°♉30'30	-2.9m
min. Earth dist.	6974 Oct 27 15:00	2°♉29'30	0.38275 AU
	6974 Nov 06 18:15	30°℞♈	
direct	6974 Nov 23 06:30	28°♈12'44	
	6974 Dec 09 12:32	0°♉	
asc. node	6975 Jan 16 07:28	14°♉47'44	
	6975 Feb 11 16:21	0°♊	
	6975 Mar 29 12:55	0°♋	
	6975 May 12 17:12	0°♌	
	6975 Jun 26 10:27	0°♍	
	6975 Aug 11 06:48	0°♎	
	6975 Sep 27 03:32	0°♏	
evening set	6975 Oct 15 19:33	11°♏50'34	
	6975 Nov 13 11:28	0°♐	
max. Earth dist.	6975 Nov 25 23:23	7°♐55'44	2.67981 AU
conjunction	6975 Nov 30 02:31	10°♐33'11	0°20'55
minimum elong	6975 Nov 30 03:08	10°♐34'09	0°20'59
	6975 Dec 30 14:03	0°♑	
desc. node	6976 Jan 09 12:25	6°♑22'38	
morning rise	6976 Jan 12 20:26	8°♑31'26	
	6976 Feb 14 22:32	0°♒	
	6976 Mar 31 06:37	0°♓	
	6976 May 14 13:50	0°♈	
	6976 Jun 27 01:12	0°♉	
	6976 Aug 09 09:26	0°♊	
	6976 Sep 24 01:23	0°♋	
asc. node	6976 Dec 03 08:18	28°♋41'56	
retrograde	6976 Dec 07 16:18	28°♋50'16	
min. Earth dist.	6977 Jan 02 22:36	24°♋15'34	0.40876 AU
opposition	6977 Jan 10 10:38	21°♋53'46	2°32'15
greatest brilliancy	6977 Jan 09 15:38	22°♋08'50	-2.7m
direct	6977 Feb 10 05:43	16°♋07'48	
	6977 Apr 03 04:55	0°♌	
	6977 May 29 22:03	0°♍	
	6977 Jul 19 11:11	0°♎	
	6977 Sep 06 16:48	0°♏	
	6977 Oct 25 03:37	0°♐	
evening set	6977 Nov 20 01:47	16°♐19'31	
desc. node	6977 Nov 26 10:32	20°♐22'16	
	6977 Dec 11 11:27	0°♑	
max. Earth dist.	6977 Dec 18 05:54	4°♑21'59	2.64390 AU
conjunction	6978 Jan 03 23:58	15°♑16'25	-0°20'19
minimum elong	6978 Jan 03 23:20	15°♑15'23	0°20'15
	6978 Jan 26 06:14	0°♒	
morning rise	6978 Feb 18 07:39	15°♒33'45	
	6978 Mar 11 06:40	0°♓	
	6978 Apr 22 13:39	0°♈	
	6978 Jun 02 09:19	0°♉	
	6978 Jul 12 05:35	0°♊	
	6978 Aug 20 22:16	0°♋	
	6978 Sep 30 21:45	0°♌	
asc. node	6978 Oct 21 06:37	14°♌03'22	
	6978 Nov 15 07:53	0°♍	
retrograde	6979 Jan 27 21:46	27°♍08'06	
min. Earth dist.	6979 Feb 28 05:20	20°♍25'43	0.54356 AU
greatest brilliancy	6979 Mar 06 04:38	18°♍08'45	-1.9m
opposition	6979 Mar 07 11:46	17°♍38'53	5°05'08
direct	6979 Apr 12 03:56	9°♍42'36	
	6979 Jun 19 17:17	0°♎	
	6979 Aug 15 15:11	0°♏	
	6979 Oct 05 19:10	0°♐	
desc. node	6979 Oct 14 09:51	5°♐14'06	
	6979 Nov 23 02:07	0°♑	
evening set	6979 Dec 27 12:33	22°♑24'16	
	6980 Jan 07 21:17	0°♒	
max. Earth dist.	6980 Jan 14 02:09	4°♒11'23	2.55586 AU
conjunction	6980 Feb 13 10:21	25°♒08'24	-0°56'40
minimum elong	6980 Feb 13 09:04	25°♒06'09	0°56'38
	6980 Feb 20 07:34	0°♓	
	6980 Apr 01 15:28	0°♈	
morning rise	6980 Apr 05 11:17	2°♈50'43	
	6980 May 11 08:13	0°♉	
	6980 Jun 19 01:21	0°♊	
	6980 Jul 27 13:57	0°♋	
	6980 Sep 04 21:17	0°♌	
asc. node	6980 Sep 07 04:16	1°♌42'44	
	6980 Oct 16 04:50	0°♍	
	6980 Nov 30 15:02	0°♎	
	6981 Jan 28 00:50	0°♏	
retrograde	6981 Mar 06 06:38	7°♏43'42	
	6981 Apr 09 20:46	30°℞♎	
min. Earth dist.	6981 Apr 11 22:54	29°♎10'35	0.64365 AU
opposition	6981 Apr 15 12:45	27°♎45'00	4°04'07
greatest brilliancy	6981 Apr 15 00:50	27°♎56'54	-1.4m
direct	6981 May 24 14:23	18°♎34'04	
	6981 Jul 13 03:09	0°♏	
desc. node	6981 Aug 31 09:53	23°♏23'08	
	6981 Sep 12 13:38	0°♐	
	6981 Nov 02 12:56	0°♑	
	6981 Dec 19 01:59	0°♒	
	6982 Jan 31 10:24	0°♓	
evening set	6982 Feb 08 23:35	6°♓08'38	
max. Earth dist.	6982 Feb 24 07:22	17°♓20'08	2.42765 AU
	6982 Mar 13 07:18	0°♈	
conjunction	6982 Apr 06 20:03	18°♈41'24	-1°01'18
minimum elong	6982 Apr 06 21:51	18°♈44'51	1°01'20
	6982 Apr 21 10:18	0°♉	
	6982 May 29 14:52	0°♊	
morning rise	6982 Jun 13 12:58	11°♊46'35	
	6982 Jul 06 17:37	0°♋	
asc. node	6982 Jul 26 03:23	15°♋04'43	
	6982 Aug 14 15:39	0°♌	
	6982 Sep 24 05:57	0°♍	
	6982 Nov 06 10:51	0°♎	
	6982 Dec 23 19:54	0°♏	
	6983 Feb 19 17:49	0°♐	
retrograde	6983 Apr 09 13:25	11°♐40'48	
opposition	6983 May 19 22:43	1°♐58'54	2°00'31
greatest brilliancy	6983 May 19 23:30	1°♐58'08	-1.3m
min. Earth dist.	6983 May 20 04:59	1°♐52'41	0.68061 AU
	6983 May 24 23:20	30°℞♏	
direct	6983 Jun 30 00:20	22°♏08'14	

desc. node	6983 Jul 19 09:27	24°♏13'31	
	6983 Aug 08 20:24	0°♐	
	6983 Oct 10 19:15	0°♑	
	6983 Nov 28 21:23	0°♒	
	6984 Jan 11 21:08	0°♓	
	6984 Feb 21 17:34	0°♈	
	6984 Mar 31 15:13	0°♉	
evening set	6984 Apr 09 18:58	7°♉11'35	
	6984 May 08 14:54	0°♊	
asc. node	6984 Jun 12 01:23	27°♊11'08	
	6984 Jun 15 15:38	0°♋	
conjunction	6984 Jun 18 15:55	2°♋21'14	0°04'44
minimum elong	6984 Jun 18 15:25	2°♋20'16	0°04'40
behind sun begin	6984 Jun 17 10:21	1°♋23'30	
behind sun end	6984 Jun 19 20:30	3°♋16'59	
	6984 Jul 24 14:27	0°♌	
max. Earth dist.	6984 Aug 10 12:39	12°♌40'45	2.40846 AU
morning rise	6984 Aug 26 10:09	24°♌21'41	
	6984 Sep 03 05:05	0°♍	
	6984 Oct 16 00:55	0°♎	
	6984 Nov 30 14:06	0°♏	
	6985 Jan 18 21:01	0°♐	
	6985 Mar 17 21:20	0°♑	
retrograde	6985 May 14 00:38	14°♑44'08	
desc. node	6985 Jun 05 08:05	11°♑36'18	
opposition	6985 Jun 22 07:16	5°♑42'36	-0°36'28
greatest brilliancy	6985 Jun 22 09:11	5°♑40'44	-1.4m
min. Earth dist.	6985 Jun 26 08:16	4°♑08'19	0.65183 AU
	6985 Jul 07 19:18	30°℞♐	
direct	6985 Aug 02 21:34	25°♐39'31	
	6985 Aug 30 21:28	0°♑	
	6985 Nov 03 13:38	0°♒	
	6985 Dec 20 08:18	0°♓	
	6986 Jan 31 00:26	0°♈	
	6986 Mar 11 04:16	0°♉	
	6986 Apr 18 07:27	0°♊	
asc. node	6986 Apr 30 00:51	9°♊14'41	
	6986 May 26 13:13	0°♋	
evening set	6986 Jun 22 17:06	20°♋52'03	
	6986 Jul 04 19:41	0°♌	
	6986 Aug 14 19:11	0°♍	
conjunction	6986 Aug 23 23:30	6°♍31'29	1°01'39
minimum elong	6986 Aug 23 21:56	6°♍28'44	1°01'37
	6986 Sep 26 20:31	0°♎	
max. Earth dist.	6986 Sep 27 17:50	0°♎36'12	2.54401 AU
morning rise	6986 Oct 17 13:27	13°♎54'44	
	6986 Nov 11 01:50	0°♏	
	6986 Dec 28 10:42	0°♐	
	6987 Feb 16 11:05	0°♑	
	6987 Apr 13 05:53	0°♒	
desc. node	6987 Apr 23 06:31	4°♒41'09	
retrograde	6987 Jun 25 08:22	21°♒57'09	
opposition	6987 Aug 01 00:04	14°♒05'31	-3°41'37
greatest brilliancy	6987 Aug 01 22:45	13°♒44'36	-1.8m
min. Earth dist.	6987 Aug 08 12:05	11°♒19'37	0.55944 AU
direct	6987 Sep 10 01:41	4°♒36'24	
	6987 Nov 21 12:00	0°♓	
	6988 Jan 06 16:05	0°♈	
	6988 Feb 16 10:33	0°♉	
asc. node	6988 Mar 17 01:29	22°♉43'02	
	6988 Mar 26 11:44	0°♊	
	6988 May 04 12:07	0°♋	
	6988 Jun 13 13:22	0°♌	
	6988 Jul 25 07:30	0°♍	
evening set	6988 Aug 18 18:09	16°♍56'34	
	6988 Sep 07 00:23	0°♎	
conjunction	6988 Oct 09 03:06	21°♎16'40	1°02'44
minimum elong	6988 Oct 09 04:00	21°♎18'08	1°02'45
	6988 Oct 22 12:38	0°♏	
max. Earth dist.	6988 Oct 25 01:24	1°♏38'25	2.63834 AU
morning rise	6988 Nov 25 02:48	21°♏33'44	
	6988 Dec 08 10:02	0°♐	
	6989 Jan 25 07:16	0°♑	
desc. node	6989 Mar 10 04:39	26°♑57'15	
	6989 Mar 15 05:27	0°♒	
	6989 May 05 07:33	0°♓	
	6989 Jul 03 12:00	0°♈	
retrograde	6989 Aug 22 17:34	12°♈18'27	
opposition	6989 Sep 23 20:52	6°♈26'01	-6°08'51
greatest brilliancy	6989 Sep 25 15:07	5°♈53'11	-2.5m
min. Earth dist.	6989 Oct 01 18:35	4°♈00'01	0.42538 AU
	6989 Oct 19 09:41	30°℞♓	
direct	6989 Oct 28 11:06	29°♓24'54	
	6989 Nov 06 15:11	0°♈	
	6990 Jan 14 00:52	0°♉	
asc. node	6990 Feb 02 00:48	12°♉27'02	
	6990 Feb 27 07:38	0°♊	
	6990 Apr 10 05:14	0°♋	
	6990 May 22 09:03	0°♌	
	6990 Jul 04 19:27	0°♍	
	6990 Aug 18 19:07	0°♎	
evening set	6990 Sep 30 23:27	27°♎58'53	
	6990 Oct 04 03:00	0°♏	
conjunction	6990 Nov 16 05:33	27°♏28'13	0°35'22
minimum elong	6990 Nov 16 06:31	27°♏29'44	0°35'25
max. Earth dist.	6990 Nov 17 07:57	28°♏10'05	2.67885 AU
	6990 Nov 20 05:11	0°♐	
morning rise	6990 Dec 30 06:28	25°♐27'13	
	6991 Jan 06 09:39	0°♑	
desc. node	6991 Jan 26 02:37	12°♑35'27	
	6991 Feb 22 04:45	0°♒	
	6991 Apr 09 10:03	0°♓	
	6991 May 25 04:42	0°♈	
	6991 Jul 10 01:43	0°♉	
	6991 Aug 27 03:41	0°♊	
retrograde	6991 Nov 11 21:01	28°♊38'18	
min. Earth dist.	6991 Dec 08 20:48	24°♊13'06	0.37386 AU
opposition	6991 Dec 12 20:35	23°♊07'03	-0°36'44
greatest brilliancy	6991 Dec 12 19:09	23°♊08'03	-3.0m
asc. node	6991 Dec 20 23:57	20°♊57'29	
direct	6992 Jan 11 06:03	18°♊07'46	
	6992 Feb 26 16:09	0°♋	
	6992 Apr 22 06:30	0°♌	
	6992 Jun 10 02:51	0°♍	
	6992 Jul 28 02:36	0°♎	
	6992 Sep 14 03:48	0°♏	
	6992 Nov 01 01:18	0°♐	
evening set	6992 Nov 06 01:51	3°♐09'55	
max. Earth dist.	6992 Dec 09 01:40	24°♐07'12	2.66438 AU
desc. node	6992 Dec 13 00:54	26°♐39'48	
	6992 Dec 18 05:31	0°♑	
conjunction	6992 Dec 20 19:16	1°♑39'23	-0°04'10
minimum elong	6992 Dec 20 19:10	1°♑39'12	0°04'05
behind sun begin	6992 Dec 20 01:03	1°♑10'03	
behind sun end	6992 Dec 21 13:16	2°♑08'22	
	6993 Feb 02 04:12	0°♒	
morning rise	6993 Feb 03 01:50	0°♒35'54	
	6993 Mar 18 14:40	0°♓	
	6993 Apr 30 12:34	0°♈	

	6993 Jun 11 02:08	0°♉	
	6993 Jul 21 18:35	0°♊	
	6993 Aug 31 12:49	0°♋	
	6993 Oct 13 12:49	0°♌	
asc. node	6993 Nov 07 00:05	15°♌12'05	
	6993 Dec 06 16:46	0°♍	
retrograde	6994 Jan 10 05:21	7°♍36'39	
min. Earth dist.	6994 Feb 08 03:29	1°♍48'34	0.49079 AU
	6994 Feb 13 03:19	30°℞♌	
greatest brilliancy	6994 Feb 14 23:59	29°♌18'58	-2.2m
opposition	6994 Feb 16 10:44	28°♌47'10	4°48'41
direct	6994 Mar 22 07:57	21°♌35'14	
	6994 May 01 06:43	0°♍	
	6994 Jul 02 21:21	0°♎	
	6994 Aug 24 10:16	0°♏	
	6994 Oct 13 05:29	0°♐	
desc. node	6994 Oct 31 00:15	11°♐00'50	
	6994 Nov 30 00:55	0°♑	
evening set	6994 Dec 12 11:46	8°♑01'45	
max. Earth dist.	6995 Jan 02 20:00	22°♑01'43	2.59608 AU
	6995 Jan 14 18:42	0°♒	
conjunction	6995 Jan 27 17:48	8°♒46'07	-0°44'18
minimum elong	6995 Jan 27 16:34	8°♒44'00	0°44'15
	6995 Feb 27 09:20	0°♓	
morning rise	6995 Mar 17 06:37	12°♓43'26	
	6995 Apr 10 00:54	0°♈	
	6995 May 20 02:23	0°♉	
	6995 Jun 28 03:48	0°♊	
	6995 Aug 06 00:02	0°♋	
	6995 Sep 14 16:16	0°♌	
asc. node	6995 Sep 24 21:51	7°♌30'46	
	6995 Oct 26 18:10	0°♍	
	6995 Dec 13 19:54	0°♎	
retrograde	6996 Feb 21 04:26	23°♎19'31	
min. Earth dist.	6996 Mar 26 22:27	15°♎24'36	0.61148 AU
greatest brilliancy	6996 Mar 31 04:40	13°♎43'26	-1.6m
opposition	6996 Apr 01 00:10	13°♎24'06	4°38'59
direct	6996 May 08 21:52	4°♎37'07	
	6996 Jul 28 03:48	0°♏	
desc. node	6996 Sep 17 00:03	27°♏25'08	
	6996 Sep 21 11:24	0°♐	
	6996 Nov 10 01:59	0°♑	
	6996 Dec 26 05:52	0°♒	
evening set	6997 Jan 21 07:00	17°♒48'58	
max. Earth dist.	6997 Feb 04 02:37	27°♒31'55	2.48056 AU
	6997 Feb 07 13:55	0°♓	
conjunction	6997 Mar 14 16:11	25°♓34'45	-1°06'16
minimum elong	6997 Mar 14 16:08	25°♓34'39	1°06'15
	6997 Mar 20 14:17	0°♈	
	6997 Apr 28 21:41	0°♉	
morning rise	6997 May 14 10:56	12°♉06'36	
	6997 Jun 06 06:03	0°♊	
greatest brilliancy	6997 Jul 08 10:20	25°♊16'42	1.2m
	6997 Jul 14 11:23	0°♋	
asc. node	6997 Aug 11 19:14	21°♋53'39	
	6997 Aug 22 11:07	0°♌	
	6997 Oct 02 04:30	0°♍	
	6997 Nov 14 20:24	0°♎	
	6998 Jan 03 00:59	0°♏	
retrograde	6998 Mar 27 09:00	29°♏02'38	
opposition	6998 May 06 20:25	19°♏10'59	2°52'49
min. Earth dist.	6998 May 05 14:44	19°♏40'34	0.67404 AU
greatest brilliancy	6998 May 06 17:43	19°♏13'41	-1.3m
direct	6998 Jun 16 06:56	9°♏32'45	
desc. node	6998 Aug 04 23:21	21°♏01'09	
	6998 Aug 25 11:29	0°♐	
	6998 Oct 19 23:33	0°♑	
	6998 Dec 06 17:57	0°♒	
	6999 Jan 19 09:30	0°♓	
	6999 Mar 01 05:14	0°♈	
evening set	6999 Mar 15 09:26	10°♈47'22	
	6999 Apr 09 04:11	0°♉	
	6999 May 17 04:53	0°♊	
conjunction	6999 May 20 05:03	2°♊22'54	-0°28'12
minimum elong	6999 May 20 07:48	2°♊28'19	0°28'13
max. Earth dist.	6999 May 30 17:08	10°♊41'48	2.36675 AU
	6999 Jun 24 05:21	0°♋	
asc. node	6999 Jun 29 19:09	4°♋21'30	
morning rise	6999 Jul 31 19:09	29°♋00'34	
	6999 Aug 02 02:29	0°♌	
	6999 Sep 11 15:08	0°♍	
	6999 Oct 24 11:27	0°♎	
	6999 Dec 09 10:03	0°♏	
	7000 Jan 29 09:33	0°♐	
	7000 Apr 12 10:24	0°♑	
retrograde	7000 Apr 30 19:34	1°♑54'40	
	7000 May 18 03:57	30°℞♐	
opposition	7000 Jun 09 16:09	22°♐34'45	0°27'47
greatest brilliancy	7000 Jun 09 17:25	22°♐33'31	-1.3m
min. Earth dist.	7000 Jun 12 05:51	21°♐34'09	0.67090 AU
desc. node	7000 Jun 22 22:01	17°♐35'36	
direct	7000 Jul 21 05:56	12°♐32'56	
	7000 Sep 21 12:07	0°♑	
	7000 Nov 14 14:32	0°♒	
	7000 Dec 29 20:26	0°♓	
	7001 Feb 09 01:56	0°♈	
	7001 Mar 20 02:00	0°♉	
	7001 Apr 27 02:45	0°♊	
greatest brilliancy	7001 May 07 03:54	7°♊56'45	1.2m
asc. node	7001 May 17 18:37	16°♊19'11	
evening set	7001 May 26 09:29	23°♊05'34	
	7001 Jun 04 05:29	0°♋	
	7001 Jul 13 07:38	0°♌	
conjunction	7001 Aug 01 20:10	14°♌32'37	0°47'17
minimum elong	7001 Aug 01 17:27	14°♌27'37	0°47'12
	7001 Aug 23 02:05	0°♍	
max. Earth dist.	7001 Sep 14 10:55	15°♍50'42	2.49358 AU
morning rise	7001 Sep 30 09:19	26°♍52'01	
	7001 Oct 04 23:20	0°♎	
	7001 Nov 19 04:40	0°♏	
	7002 Jan 06 00:23	0°♐	
	7002 Feb 26 18:10	0°♑	
	7002 May 02 20:58	0°♒	
desc. node	7002 May 10 20:26	2°♒25'52	
retrograde	7002 Jun 08 13:58	6°♒46'38	
	7002 Jul 12 03:15	30°℞♑	
opposition	7002 Jul 16 11:24	28°♑22'58	-2°27'19
greatest brilliancy	7002 Jul 16 23:43	28°♑11'17	-1.6m
min. Earth dist.	7002 Jul 22 17:22	26°♑00'49	0.60260 AU
direct	7002 Aug 26 11:02	18°♑31'59	
	7002 Oct 12 00:32	0°♒	
	7002 Dec 05 05:39	0°♓	
	7003 Jan 17 16:02	0°♈	
	7003 Feb 26 12:28	0°♉	
asc. node	7003 Apr 04 17:12	28°♉56'54	
	7003 Apr 06 01:31	0°♊	
	7003 May 14 16:09	0°♋	
	7003 Jun 23 07:56	0°♌	
evening set	7003 Jul 31 10:43	27°♌41'23	
	7003 Aug 03 16:53	0°♍	

	7003 Sep 16 01:58	0°♎	
conjunction	7003 Sep 24 07:14	5°♎32'01	1°07'01
minimum elong	7003 Sep 24 07:30	5°♎32'29	1°07'01
max. Earth dist.	7003 Oct 16 20:57	20°♎30'44	2.60748 AU
	7003 Oct 31 09:34	0°♏	
morning rise	7003 Nov 12 13:28	7°♏51'49	
	7003 Dec 17 08:36	0°♐	
	7004 Feb 03 19:21	0°♑	
	7004 Mar 25 08:15	0°♒	
desc. node	7004 Mar 27 18:39	1°♒23'41	
	7004 May 20 12:09	0°♓	
retrograde	7004 Jul 28 14:45	20°♓22'09	
opposition	7004 Aug 31 16:32	13°♓36'39	-5°31'23
greatest brilliancy	7004 Sep 02 08:26	13°♓02'35	-2.2m
min. Earth dist.	7004 Sep 09 06:30	10°♓41'49	0.47875 AU
direct	7004 Oct 08 01:14	5°♓18'34	
	7004 Dec 15 18:21	0°♈	
	7005 Jan 29 23:38	0°♉	
asc. node	7005 Feb 19 17:01	15°♉02'05	
	7005 Mar 11 21:16	0°♊	
	7005 Apr 21 02:39	0°♋	
	7005 Jun 01 03:19	0°♌	
	7005 Jul 13 17:18	0°♍	
	7005 Aug 27 02:02	0°♎	
evening set	7005 Sep 16 06:11	13°♎17'06	
	7005 Oct 12 00:14	0°♏	
conjunction	7005 Nov 02 23:38	14°♏06'02	0°48'04
minimum elong	7005 Nov 03 00:46	14°♏07'50	0°48'07
max. Earth dist.	7005 Nov 09 15:24	18°♏20'58	2.66955 AU
	7005 Nov 27 22:48	0°♐	
morning rise	7005 Dec 17 18:31	12°♐34'09	
	7006 Jan 14 07:24	0°♑	
desc. node	7006 Feb 12 17:16	18°♑36'49	
	7006 Mar 02 16:59	0°♒	
	7006 Apr 19 04:32	0°♓	
	7006 Jun 06 09:14	0°♈	
	7006 Jul 27 15:45	0°♉	
retrograde	7006 Oct 12 00:42	26°♉28'32	
opposition	7006 Nov 10 22:59	21°♉32'56	-4°08'13
greatest brilliancy	7006 Nov 11 10:03	21°♉25'32	-3.0m
min. Earth dist.	7006 Nov 12 17:43	21°♉04'26	0.37014 AU
direct	7006 Dec 11 00:29	16°♉28'39	
asc. node	7007 Jan 07 16:56	21°♉20'59	
	7007 Jan 28 16:09	0°♊	
	7007 Mar 21 18:58	0°♋	
	7007 May 06 23:36	0°♌	
	7007 Jun 21 17:06	0°♍	
	7007 Aug 07 03:37	0°♎	
	7007 Sep 23 08:38	0°♏	
evening set	7007 Oct 24 23:56	19°♏58'35	
	7007 Nov 09 20:34	0°♐	
max. Earth dist.	7007 Dec 02 01:50	14°♐05'27	2.67667 AU
conjunction	7007 Dec 08 23:07	18°♐28'34	0°11'54
minimum elong	7007 Dec 08 23:29	18°♐29'09	0°11'59
behind sun begin	7007 Dec 08 11:04	18°♐09'22	
behind sun end	7007 Dec 09 11:54	18°♐48'55	
	7007 Dec 26 23:31	0°♑	
desc. node	7007 Dec 31 15:11	2°♑59'26	
morning rise	7008 Jan 21 18:11	16°♑38'59	
	7008 Feb 11 04:12	0°♒	
	7008 Mar 27 03:43	0°♓	
	7008 May 09 21:12	0°♈	
	7008 Jun 21 12:20	0°♉	
	7008 Aug 02 13:52	0°♊	
	7008 Sep 14 12:43	0°♋	
	7008 Nov 02 19:41	0°♌	
asc. node	7008 Nov 24 15:33	9°♌26'33	
retrograde	7008 Dec 21 19:53	14°♌26'24	
min. Earth dist.	7009 Jan 17 17:23	9°♌30'11	0.43651 AU
greatest brilliancy	7009 Jan 24 20:29	7°♌06'47	-2.5m
opposition	7009 Jan 26 01:29	6°♌42'22	3°43'11
direct	7009 Feb 26 21:43	0°♌24'18	
	7009 May 22 08:30	0°♍	
	7009 Jul 14 08:31	0°♎	
	7009 Sep 02 12:25	0°♏	
	7009 Oct 21 09:09	0°♐	
desc. node	7009 Nov 17 13:48	17°♐03'28	
evening set	7009 Nov 29 02:36	24°♐23'11	
	7009 Dec 07 20:55	0°♑	
max. Earth dist.	7009 Dec 24 19:32	10°♑57'44	2.62924 AU
conjunction	7010 Jan 13 08:09	23°♑47'58	-0°29'31
minimum elong	7010 Jan 13 07:15	23°♑46'28	0°29'26
	7010 Jan 22 15:35	0°♒	
morning rise	7010 Feb 28 13:00	25°♒07'57	
	7010 Mar 07 12:47	0°♓	
	7010 Apr 18 14:18	0°♈	
	7010 May 29 03:02	0°♉	
	7010 Jul 07 15:25	0°♊	
	7010 Aug 15 22:43	0°♋	
	7010 Sep 25 06:15	0°♌	
asc. node	7010 Oct 12 14:53	12°♌21'31	
	7010 Nov 07 20:39	0°♍	
	7011 Jan 02 19:13	0°♎	
retrograde	7011 Feb 07 04:04	7°♎32'12	
min. Earth dist.	7011 Mar 11 18:28	0°♎21'40	0.57013 AU
	7011 Mar 12 16:59	30°℞♍	
greatest brilliancy	7011 Mar 17 03:28	28°♍16'09	-1.8m
opposition	7011 Mar 18 06:49	27°♍49'27	5°01'22
direct	7011 Apr 23 19:24	19°♍32'42	
	7011 Jun 09 02:23	0°♎	
	7011 Aug 10 05:51	0°♏	
	7011 Oct 01 14:01	0°♐	
desc. node	7011 Oct 05 13:21	2°♐22'35	
	7011 Nov 19 07:16	0°♑	
	7012 Jan 04 05:42	0°♒	
evening set	7012 Jan 06 12:10	1°♒31'40	
max. Earth dist.	7012 Jan 22 09:34	12°♒21'04	2.53069 AU
	7012 Feb 16 15:33	0°♓	
conjunction	7012 Feb 24 16:36	5°♓44'20	-1°01'59
minimum elong	7012 Feb 24 15:32	5°♓42'25	1°01'58
	7012 Mar 28 21:13	0°♈	
morning rise	7012 Apr 19 08:08	16°♈08'26	
	7012 May 07 10:54	0°♉	
	7012 Jun 15 00:49	0°♊	
	7012 Jul 23 10:24	0°♋	
asc. node	7012 Aug 29 13:35	28°♋29'09	
	7012 Aug 31 13:48	0°♌	
	7012 Oct 11 13:33	0°♍	
	7012 Nov 25 01:37	0°♎	
	7013 Jan 17 01:46	0°♏	
retrograde	7013 Mar 15 02:06	15°♏59'58	
min. Earth dist.	7013 Apr 21 17:22	7°♏08'04	0.65715 AU
opposition	7013 Apr 24 11:09	6°♏02'21	3°39'48
greatest brilliancy	7013 Apr 24 02:58	6°♏10'31	-1.4m
	7013 May 11 07:10	30°℞♎	
direct	7013 Jun 03 01:42	26°♎40'30	
	7013 Jun 27 23:13	0°♏	
desc. node	7013 Aug 22 12:49	22°♏00'59	
	7013 Sep 07 00:42	0°♐	

	7013 Oct 29 06:41	0°♉	
	7013 Dec 15 05:29	0°♒	
	7014 Jan 27 16:35	0°♓	
evening set	7014 Feb 21 14:15	18°♓05'27	
	7014 Mar 09 13:21	0°♈	
max. Earth dist.	7014 Mar 13 23:18	3°♈20'00	2.39921 AU
	7014 Apr 17 15:01	0°♉	
conjunction	7014 Apr 22 11:56	3°♉48'25	-0°53'00
minimum elong	7014 Apr 22 14:46	3°♉53'57	0°53'01
	7014 May 25 18:02	0°♊	
morning rise	7014 Jul 02 08:33	29°♊38'16	
	7014 Jul 02 19:39	0°♋	
asc. node	7014 Jul 17 11:20	11°♋25'03	
	7014 Aug 10 16:43	0°♌	
	7014 Sep 20 05:10	0°♍	
	7014 Nov 02 04:54	0°♎	
	7014 Dec 18 20:15	0°♏	
	7015 Feb 10 23:46	0°♐	
retrograde	7015 Apr 18 05:20	19°♐21'04	
opposition	7015 May 28 10:56	9°♐46'11	1°27'30
greatest brilliancy	7015 May 28 12:38	9°♐44'30	-1.3m
min. Earth dist.	7015 May 29 13:01	9°♐20'22	0.67992 AU
	7015 Jul 03 16:46	30°℞♏	
direct	7015 Jul 08 18:02	29°♏50'25	
desc. node	7015 Jul 10 11:42	29°♏51'31	
	7015 Jul 13 21:42	0°♐	
	7015 Oct 05 00:31	0°♑	
	7015 Nov 24 11:02	0°♒	
	7016 Jan 07 20:29	0°♓	
	7016 Feb 17 20:13	0°♈	
	7016 Mar 27 18:40	0°♉	
evening set	7016 Apr 26 20:47	23°♉44'26	
	7016 May 04 18:18	0°♊	
asc. node	7016 Jun 03 10:28	23°♊26'49	
	7016 Jun 11 19:05	0°♋	
conjunction	7016 Jul 06 03:32	18°♋52'23	0°22'37
minimum elong	7016 Jul 06 01:24	18°♋48'18	0°22'32
	7016 Jul 20 18:11	0°♌	
max. Earth dist.	7016 Aug 26 11:51	27°♌11'49	2.43894 AU
	7016 Aug 30 08:59	0°♍	
morning rise	7016 Sep 09 15:46	7°♍21'34	
	7016 Oct 12 04:02	0°♎	
	7016 Nov 26 12:18	0°♏	
	7017 Jan 14 02:02	0°♐	
	7017 Mar 09 20:01	0°♑	
retrograde	7017 May 23 15:04	22°♑50'52	
desc. node	7017 May 27 10:51	22°♑45'31	
opposition	7017 Jul 01 11:07	14°♑01'35	-1°16'11
greatest brilliancy	7017 Jul 01 15:57	13°♑56'55	-1.5m
min. Earth dist.	7017 Jul 06 07:17	12°♑09'26	0.63689 AU
direct	7017 Aug 11 22:00	4°♑00'37	
	7017 Oct 27 23:04	0°♒	
	7017 Dec 15 10:27	0°♓	
	7018 Jan 26 14:53	0°♈	
	7018 Mar 06 23:55	0°♉	
	7018 Apr 14 05:57	0°♊	
asc. node	7018 Apr 21 10:29	5°♊39'16	
	7018 May 22 14:04	0°♋	
	7018 Jun 30 22:45	0°♌	
evening set	7018 Jul 08 05:43	5°♌25'49	
	7018 Aug 11 00:12	0°♍	
conjunction	7018 Sep 05 14:59	18°♍00'04	1°05'41
minimum elong	7018 Sep 05 14:11	17°♍58'42	1°05'40
	7018 Sep 23 03:00	0°♎	
max. Earth dist.	7018 Oct 05 20:09	8°♎34'43	2.56862 AU
morning rise	7018 Oct 28 00:25	23°♎16'36	
	7018 Nov 07 07:41	0°♏	
	7018 Dec 24 11:20	0°♐	
	7019 Feb 11 18:24	0°♑	
	7019 Apr 05 22:58	0°♒	
desc. node	7019 Apr 14 09:43	4°♒22'57	
	7019 Jun 19 04:28	0°♓	
retrograde	7019 Jul 07 13:10	1°♓52'50	
	7019 Jul 24 19:12	30°℞♒	
opposition	7019 Aug 12 08:07	24°♒22'27	-4°24'13
greatest brilliancy	7019 Aug 13 13:27	23°♒55'57	-1.9m
min. Earth dist.	7019 Aug 20 09:10	21°♒28'22	0.53189 AU
direct	7019 Sep 20 14:46	15°♒12'41	
	7019 Nov 11 13:37	0°♓	
	7019 Dec 31 10:56	0°♈	
	7020 Feb 11 05:09	0°♉	
asc. node	7020 Mar 08 08:59	19°♉47'05	
	7020 Mar 21 17:33	0°♊	
	7020 Apr 30 01:41	0°♋	
	7020 Jun 09 09:24	0°♌	
	7020 Jul 21 08:53	0°♍	
evening set	7020 Aug 30 05:31	27°♍18'04	
	7020 Sep 03 06:05	0°♎	
	7020 Oct 18 20:39	0°♏	
conjunction	7020 Oct 19 01:44	0°♏08'14	0°58'17
minimum elong	7020 Oct 19 02:48	0°♏09'58	0°58'18
max. Earth dist.	7020 Oct 31 13:28	8°♏11'40	2.65180 AU
morning rise	7020 Dec 04 02:24	29°♏36'06	
	7020 Dec 04 17:28	0°♐	
	7021 Jan 21 09:00	0°♑	
desc. node	7021 Mar 01 07:31	24°♑14'27	
	7021 Mar 10 15:20	0°♒	
	7021 Apr 29 01:38	0°♓	
	7021 Jun 21 01:55	0°♈	
retrograde	7021 Sep 09 14:33	27°♈06'34	
opposition	7021 Oct 10 12:51	21°♈43'18	-5°59'02
greatest brilliancy	7021 Oct 12 01:17	21°♈16'52	-2.7m
min. Earth dist.	7021 Oct 17 02:58	19°♈49'11	0.39933 AU
direct	7021 Nov 12 09:14	15°♈30'49	
	7022 Jan 01 01:03	0°♉	
asc. node	7022 Jan 24 08:50	13°♉08'13	
	7022 Feb 19 15:03	0°♊	
	7022 Apr 04 05:52	0°♋	
	7022 May 17 08:27	0°♌	
	7022 Jun 30 09:22	0°♍	
	7022 Aug 14 19:03	0°♎	
	7022 Sep 30 09:07	0°♏	
evening set	7022 Oct 10 13:15	6°♏28'56	
	7022 Nov 16 14:06	0°♐	
max. Earth dist.	7022 Nov 23 09:17	4°♐18'53	2.68049 AU
conjunction	7022 Nov 25 04:54	5°♐28'04	0°27'05
minimum elong	7022 Nov 25 05:40	5°♐29'17	0°27'08
	7023 Jan 02 17:37	0°♑	
morning rise	7023 Jan 08 00:16	3°♑22'39	
desc. node	7023 Jan 17 05:34	9°♑17'32	
	7023 Feb 18 06:52	0°♒	
	7023 Apr 05 00:14	0°♓	
	7023 May 19 22:02	0°♈	
	7023 Jul 03 06:57	0°♉	
	7023 Aug 17 03:14	0°♊	
	7023 Oct 05 20:23	0°♋	
retrograde	7023 Nov 28 13:32	16°♋33'17	
asc. node	7023 Dec 12 09:49	15°♋12'18	
min. Earth dist.	7023 Dec 24 18:48	12°♋09'09	0.39000 AU

opposition	7023 Dec 31 01:34	10°♋17'12	1°20'03
greatest brilliancy	7023 Dec 30 16:39	10°♋23'52	-2.9m
direct	7024 Jan 30 03:08	4°♋55'27	
	7024 Apr 13 00:29	0°♌	
	7024 Jun 04 05:23	0°♍	
	7024 Jul 23 11:32	0°♎	
	7024 Sep 10 03:23	0°♏	
	7024 Oct 28 08:10	0°♐	
evening set	7024 Nov 15 02:09	11°♐10'26	
desc. node	7024 Dec 04 03:44	23°♐17'25	
	7024 Dec 14 14:59	0°♑	
max. Earth dist.	7024 Dec 15 08:33	0°♑28'15	2.65416 AU
conjunction	7024 Dec 29 20:39	9°♑51'02	-0°13'37
minimum elong	7024 Dec 29 20:14	9°♑50'21	0°13'32
behind sun begin	7024 Dec 29 10:01	9°♑33'46	
behind sun end	7024 Dec 30 06:27	10°♑06'56	
	7025 Jan 29 12:10	0°♒	
morning rise	7025 Feb 12 14:58	9°♒26'59	
	7025 Mar 14 17:48	0°♓	
	7025 Apr 26 07:52	0°♈	
	7025 Jun 06 11:38	0°♉	
	7025 Jul 16 16:08	0°♊	
	7025 Aug 25 18:12	0°♋	
	7025 Oct 06 08:35	0°♌	
asc. node	7025 Oct 29 08:26	15°♌21'38	
	7025 Nov 22 20:07	0°♍	
retrograde	7026 Jan 21 13:50	19°♍31'14	
min. Earth dist.	7026 Feb 20 19:32	13°♍12'14	0.52055 AU
greatest brilliancy	7026 Feb 27 04:39	10°♍48'33	-2.0m
opposition	7026 Feb 28 14:05	10°♍16'58	5°03'04
direct	7026 Apr 04 11:44	2°♍39'11	
	7026 Jun 25 22:22	0°♎	
	7026 Aug 19 15:57	0°♏	
	7026 Oct 09 05:17	0°♐	
desc. node	7026 Oct 22 02:53	7°♐54'13	
	7026 Nov 26 08:04	0°♑	
evening set	7026 Dec 21 23:19	16°♑35'52	
max. Earth dist.	7027 Jan 10 04:28	29°♑20'55	2.57482 AU
	7027 Jan 11 03:45	0°♒	
conjunction	7027 Feb 07 00:58	18°♒20'14	-0°51'53
minimum elong	7027 Feb 06 23:39	18°♒17'57	0°51'49
	7027 Feb 23 17:08	0°♓	
morning rise	7027 Mar 29 07:52	24°♓11'30	
	7027 Apr 06 05:19	0°♈	
	7027 May 16 02:32	0°♉	
	7027 Jun 23 23:18	0°♊	
	7027 Aug 01 14:46	0°♋	
	7027 Sep 10 00:42	0°♌	
asc. node	7027 Sep 16 05:48	4°♌37'09	
	7027 Oct 21 13:03	0°♍	
	7027 Dec 06 17:09	0°♎	
	7028 Feb 11 15:41	0°♏	
retrograde	7028 Mar 01 08:51	2°♏10'33	
	7028 Mar 19 00:39	30°℞♎	
min. Earth dist.	7028 Apr 06 04:51	23°♎53'32	0.63045 AU
opposition	7028 Apr 10 10:35	22°♎12'14	4°20'06
greatest brilliancy	7028 Apr 09 19:25	22°♎27'20	-1.5m
direct	7028 May 18 23:57	13°♎11'20	
	7028 Jul 20 06:04	0°♏	
desc. node	7028 Sep 08 02:52	25°♏13'57	
	7028 Sep 16 15:22	0°♐	
	7028 Nov 06 01:08	0°♑	
	7028 Dec 22 11:31	0°♒	
evening set	7029 Feb 01 15:03	28°♒23'45	
	7029 Feb 03 21:09	0°♓	
max. Earth dist.	7029 Feb 15 15:45	8°♓27'37	2.45149 AU
	7029 Mar 16 20:44	0°♈	
conjunction	7029 Mar 28 07:19	8°♈38'04	-1°04'50
minimum elong	7029 Mar 28 08:14	8°♈39'49	1°04'50
	7029 Apr 25 02:29	0°♉	
morning rise	7029 May 31 22:45	28°♉52'42	
	7029 Jun 02 08:54	0°♊	
	7029 Jul 10 12:26	0°♋	
asc. node	7029 Aug 03 05:00	18°♋22'46	
	7029 Aug 18 10:19	0°♌	
	7029 Sep 28 00:12	0°♍	
	7029 Nov 10 07:13	0°♎	
	7029 Dec 28 04:17	0°♏	
	7030 Feb 28 03:56	0°♐	
retrograde	7030 Apr 04 23:04	6°♐48'14	
	7030 May 07 18:50	30°℞♏	
opposition	7030 May 15 09:24	27°♏01'30	2°22'46
greatest brilliancy	7030 May 15 08:54	27°♏01'59	-1.3m
min. Earth dist.	7030 May 14 23:35	27°♏11'17	0.67888 AU
direct	7030 Jun 25 04:28	17°♏15'54	
desc. node	7030 Jul 27 02:31	22°♏31'05	
	7030 Aug 16 21:19	0°♐	
	7030 Oct 15 01:07	0°♑	
	7030 Dec 02 14:24	0°♒	
	7031 Jan 15 11:57	0°♓	
	7031 Feb 25 09:12	0°♈	
evening set	7031 Mar 30 20:48	25°♈43'21	
	7031 Apr 05 08:11	0°♉	
	7031 May 13 08:27	0°♊	
conjunction	7031 Jun 07 08:57	19°♊47'26	-0°09'50
minimum elong	7031 Jun 07 10:01	19°♊49'33	0°09'53
behind sun begin	7031 Jun 06 09:39	19°♊01'32	
behind sun end	7031 Jun 08 10:22	20°♊37'32	
	7031 Jun 20 08:44	0°♋	
asc. node	7031 Jun 21 03:18	0°♋36'20	
max. Earth dist.	7031 Jul 25 21:50	27°♋27'47	2.38548 AU
	7031 Jul 29 06:03	0°♌	
morning rise	7031 Aug 17 07:55	14°♌18'27	
	7031 Sep 07 18:26	0°♍	
	7031 Oct 20 12:47	0°♎	
	7031 Dec 05 03:27	0°♏	
	7032 Jan 23 22:30	0°♐	
	7032 Mar 25 05:04	0°♑	
retrograde	7032 May 08 20:36	9°♑40'40	
desc. node	7032 Jun 13 01:10	2°♑11'28	
opposition	7032 Jun 17 09:42	0°♑30'30	-0°09'15
greatest brilliancy	7032 Jun 17 10:10	0°♑30'03	-1.4m
	7032 Jun 18 16:53	30°℞♐	
min. Earth dist.	7032 Jun 20 18:53	29°♐11'07	0.66160 AU
direct	7032 Jul 29 00:05	20°♐27'12	
	7032 Sep 10 13:03	0°♑	
	7032 Nov 08 07:28	0°♒	
	7032 Dec 24 10:32	0°♓	
	7033 Feb 03 22:51	0°♈	
	7033 Mar 15 01:33	0°♉	
	7033 Apr 22 03:31	0°♊	
asc. node	7033 May 08 02:03	12°♊34'57	
	7033 May 30 07:19	0°♋	
evening set	7033 Jun 11 17:20	9°♋37'34	
	7033 Jul 08 10:56	0°♌	
conjunction	7033 Aug 15 09:08	27°♌54'51	0°56'45
minimum elong	7033 Aug 15 06:59	27°♌50'59	0°56'42
	7033 Aug 18 06:48	0°♍	
max. Earth dist.	7033 Sep 23 01:42	25°♍07'10	2.52235 AU

	7033 Sep 30 04:56	0°♎	
morning rise	7033 Oct 10 23:52	7°♎18'23	
	7033 Nov 14 08:35	0°♏	
	7033 Dec 31 20:17	0°♐	
	7034 Feb 20 10:17	0°♑	
	7034 Apr 19 18:21	0°♒	
desc. node	7034 Apr 30 23:45	4°♒40'56	
retrograde	7034 Jun 18 10:27	15°♒42'54	
opposition	7034 Jul 25 15:44	7°♒35'59	-3°09'54
greatest brilliancy	7034 Jul 26 09:38	7°♒19'14	-1.7m
min. Earth dist.	7034 Aug 01 14:26	5°♒00'01	0.57988 AU
	7034 Aug 17 14:32	30°℞♑	
direct	7034 Sep 04 04:06	27°♑55'12	
	7034 Sep 22 10:57	0°♒	
	7034 Nov 27 17:58	0°♓	
	7035 Jan 11 13:28	0°♈	
	7035 Feb 20 21:49	0°♉	
asc. node	7035 Mar 26 02:33	25°♉38'46	
	7035 Mar 31 16:56	0°♊	
	7035 May 09 11:52	0°♋	
	7035 Jun 18 07:35	0°♌	
	7035 Jul 29 19:59	0°♍	
evening set	7035 Aug 12 07:23	9°♍26'28	
	7035 Sep 11 07:59	0°♎	
conjunction	7035 Oct 04 02:30	15°♎11'58	1°05'05
minimum elong	7035 Oct 04 03:12	15°♎13'07	1°05'06
max. Earth dist.	7035 Oct 22 20:25	27°♎29'42	2.62562 AU
	7035 Oct 26 16:51	0°♏	
morning rise	7035 Nov 20 23:55	16°♏17'22	
	7035 Dec 12 14:02	0°♐	
	7036 Jan 29 15:58	0°♑	
desc. node	7036 Mar 17 21:51	29°♑15'00	
	7036 Mar 19 04:11	0°♒	
	7036 May 10 21:58	0°♓	
	7036 Jul 20 17:15	0°♈	
retrograde	7036 Aug 11 17:38	2°♈44'52	
	7036 Sep 01 20:36	30°℞♓	
opposition	7036 Sep 13 19:03	26°♓28'01	-5°58'19
greatest brilliancy	7036 Sep 15 13:56	25°♓53'06	-2.4m
min. Earth dist.	7036 Sep 22 05:49	23°♓44'27	0.44874 AU
direct	7036 Oct 19 17:16	18°♓49'56	
	7036 Dec 01 17:32	0°♈	
	7037 Jan 21 14:47	0°♉	
asc. node	7037 Feb 10 02:23	13°♉30'07	
	7037 Mar 05 00:57	0°♊	
	7037 Apr 15 00:59	0°♋	
	7037 May 26 14:21	0°♌	
	7037 Jul 08 13:32	0°♍	
	7037 Aug 22 05:00	0°♎	
evening set	7037 Sep 25 08:55	22°♎18'16	
	7037 Oct 07 07:22	0°♏	
conjunction	7037 Nov 11 05:07	22°♏18'38	0°40'52
minimum elong	7037 Nov 11 06:10	22°♏20'18	0°40'55
max. Earth dist.	7037 Nov 14 20:00	24°♏36'47	2.67573 AU
	7037 Nov 23 07:25	0°♐	
morning rise	7037 Dec 25 12:26	20°♐26'44	
	7038 Jan 09 13:29	0°♑	
desc. node	7038 Feb 02 19:23	15°♑26'01	
	7038 Feb 25 14:41	0°♒	
	7038 Apr 13 08:25	0°♓	
	7038 May 30 00:55	0°♈	
	7038 Jul 16 15:31	0°♉	
	7038 Sep 07 18:50	0°♊	
retrograde	7038 Oct 30 09:58	14°♊57'41	
min. Earth dist.	7038 Nov 28 01:23	10°♊15'50	0.36771 AU
opposition	7038 Nov 29 13:58	9°♊51'30	-2°13'41
greatest brilliancy	7038 Nov 29 13:52	9°♊51'34	-3.0m
direct	7038 Dec 28 20:49	4°♊58'59	
asc. node	7038 Dec 29 01:17	4°♊59'00	
	7039 Mar 10 13:51	0°♋	
	7039 Apr 29 10:31	0°♌	
	7039 Jun 15 15:24	0°♍	
	7039 Aug 01 20:19	0°♎	
	7039 Sep 18 11:25	0°♏	
evening set	7039 Nov 02 02:22	28°♏03'08	
	7039 Nov 05 04:28	0°♐	
max. Earth dist.	7039 Dec 07 05:53	20°♐19'52	2.67089 AU
conjunction	7039 Dec 16 21:07	26°♐29'26	0°02'37
minimum elong	7039 Dec 16 21:13	26°♐29'36	0°02'41
behind sun begin	7039 Dec 16 02:54	26°♐00'18	
behind sun end	7039 Dec 17 15:32	26°♐58'56	
desc. node	7039 Dec 21 17:34	29°♐36'10	
	7039 Dec 22 08:24	0°♑	
morning rise	7040 Jan 29 20:50	25°♑01'10	
	7040 Feb 06 10:12	0°♒	
	7040 Mar 22 03:04	0°♓	
	7040 May 04 09:46	0°♈	
	7040 Jun 15 10:21	0°♉	
	7040 Jul 26 15:28	0°♊	
	7040 Sep 06 03:21	0°♋	
	7040 Oct 20 18:25	0°♌	
asc. node	7040 Nov 15 01:05	14°♌19'42	
retrograde	7041 Jan 02 19:41	28°♌31'33	
min. Earth dist.	7041 Jan 30 17:00	23°♌07'49	0.46625 AU
greatest brilliancy	7041 Feb 06 19:07	20°♌38'07	-2.3m
opposition	7041 Feb 08 04:59	20°♌08'05	4°28'48
direct	7041 Mar 13 05:20	13°♌19'10	
	7041 May 11 13:59	0°♍	
	7041 Jul 07 17:44	0°♎	
	7041 Aug 28 03:07	0°♏	
	7041 Oct 16 12:22	0°♐	
desc. node	7041 Nov 07 17:02	13°♐49'15	
	7041 Dec 03 05:04	0°♑	
evening set	7041 Dec 07 06:41	2°♑36'46	
max. Earth dist.	7041 Dec 30 13:57	17°♑46'18	2.61180 AU
	7042 Jan 18 00:05	0°♒	
conjunction	7042 Jan 22 00:11	2°♒41'14	-0°38'21
minimum elong	7042 Jan 21 23:03	2°♒39'21	0°38'16
	7042 Mar 02 18:40	0°♓	
morning rise	7042 Mar 10 09:01	5°♓21'01	
	7042 Apr 13 15:23	0°♈	
	7042 May 23 22:28	0°♉	
	7042 Jul 02 04:49	0°♊	
	7042 Aug 10 05:16	0°♋	
	7042 Sep 19 02:28	0°♌	
asc. node	7042 Oct 02 23:30	10°♌05'25	
	7042 Oct 31 14:47	0°♍	
	7042 Dec 20 14:39	0°♎	
retrograde	7043 Feb 15 21:49	17°♎13'24	
min. Earth dist.	7043 Mar 21 17:18	9°♎37'17	0.59405 AU
greatest brilliancy	7043 Mar 26 11:33	7°♎44'48	-1.7m
opposition	7043 Mar 27 10:35	7°♎22'03	4°50'36
	7043 Apr 20 05:20	30°℞♍	
direct	7043 May 03 17:32	28°♍47'48	
	7043 May 18 01:50	0°♎	
	7043 Aug 03 06:01	0°♏	
desc. node	7043 Sep 25 16:45	29°♏42'36	
	7043 Sep 26 04:36	0°♐	
	7043 Nov 14 10:44	0°♑	
	7043 Dec 30 13:23	0°♒	

evening set	7044 Jan 15 20:38	11°♒03'33	
max. Earth dist.	7044 Jan 30 09:00	21°♒06'48	2.50347 AU
	7044 Feb 11 23:32	0°♓	
conjunction	7044 Mar 06 16:22	17°♓06'00	-1°05'22
minimum elong	7044 Mar 06 15:46	17°♓04'54	1°05'22
	7044 Mar 24 03:06	0°♈	
	7044 May 02 13:55	0°♉	
morning rise	7044 May 03 13:06	0°♉44'47	
	7044 Jun 10 00:52	0°♊	
	7044 Jul 18 07:38	0°♋	
asc. node	7044 Aug 19 20:29	25°♋05'08	
	7044 Aug 26 08:06	0°♌	
	7044 Oct 06 02:27	0°♍	
	7044 Nov 18 23:26	0°♎	
	7045 Jan 08 05:21	0°♏	
retrograde	7045 Mar 22 18:23	24°♏01'19	
min. Earth dist.	7045 Apr 30 06:54	14°♏52'15	0.66778 AU
opposition	7045 May 02 04:47	14°♏06'23	3°13'04
greatest brilliancy	7045 May 01 23:54	14°♏11'17	-1.3m
direct	7045 Jun 11 06:36	4°♏35'03	
desc. node	7045 Aug 12 16:02	21°♏23'37	
	7045 Aug 30 19:19	0°♐	
	7045 Oct 23 19:59	0°♑	
	7045 Dec 10 07:09	0°♒	
	7046 Jan 22 22:20	0°♓	
	7046 Mar 04 19:36	0°♈	
evening set	7046 Mar 06 01:01	0°♈55'28	
max. Earth dist.	7046 Apr 08 08:11	26°♈28'54	2.37515 AU
	7046 Apr 12 20:28	0°♉	
conjunction	7046 May 08 06:34	19°♉59'25	-0°40'25
minimum elong	7046 May 08 09:48	20°♉05'48	0°40'26
	7046 May 20 22:15	0°♊	
	7046 Jun 27 22:39	0°♋	
asc. node	7046 Jul 07 20:13	7°♋43'53	
morning rise	7046 Jul 19 21:02	17°♋03'35	
	7046 Aug 05 18:47	0°♌	
	7046 Sep 15 05:50	0°♍	
	7046 Oct 28 01:34	0°♎	
	7046 Dec 13 04:07	0°♏	
	7047 Feb 03 01:58	0°♐	
retrograde	7047 Apr 25 23:33	27°♐01'13	
opposition	7047 Jun 05 00:21	17°♐34'11	0°53'00
greatest brilliancy	7047 Jun 05 02:06	17°♐32'28	-1.3m
min. Earth dist.	7047 Jun 06 21:59	16°♐49'09	0.67624 AU
desc. node	7047 Jun 30 14:56	9°♐10'58	
direct	7047 Jul 16 11:23	7°♐34'30	
	7047 Sep 27 09:05	0°♑	
	7047 Nov 18 18:48	0°♒	
	7048 Jan 02 17:10	0°♓	
	7048 Feb 12 21:11	0°♈	
	7048 Mar 22 21:16	0°♉	
	7048 Apr 29 21:37	0°♊	
evening set	7048 May 13 10:26	10°♊42'46	
asc. node	7048 May 24 20:04	19°♊42'22	
	7048 Jun 06 22:56	0°♋	
	7048 Jul 15 22:46	0°♌	
conjunction	7048 Jul 21 15:35	4°♌17'32	0°37'56
minimum elong	7048 Jul 21 12:47	4°♌12'18	0°37'50
	7048 Aug 25 14:10	0°♍	
max. Earth dist.	7048 Sep 07 03:35	8°♍58'36	2.46940 AU
morning rise	7048 Sep 21 18:58	19°♍15'46	
	7048 Oct 07 08:44	0°♎	
	7048 Nov 21 13:25	0°♏	
	7049 Jan 08 14:12	0°♐	
	7049 Mar 02 06:36	0°♑	
desc. node	7049 May 17 13:38	29°♑53'55	
	7049 May 18 04:49	0°♒	
retrograde	7049 Jun 01 13:42	1°♒10'08	
	7049 Jun 15 05:43	30°℞♑	
opposition	7049 Jul 09 21:34	22°♑34'19	-1°57'03
greatest brilliancy	7049 Jul 10 06:18	22°♑25'57	-1.6m
min. Earth dist.	7049 Jul 15 12:13	20°♑25'22	0.61914 AU
direct	7049 Aug 20 02:47	12°♑37'35	
	7049 Oct 18 22:11	0°♒	
	7049 Dec 09 03:49	0°♓	
	7050 Jan 21 00:51	0°♈	
	7050 Mar 01 16:31	0°♉	
	7050 Apr 09 02:16	0°♊	
asc. node	7050 Apr 11 18:33	2°♊06'04	
	7050 May 17 13:12	0°♋	
	7050 Jun 26 00:46	0°♌	
evening set	7050 Jul 21 18:18	18°♌54'43	
	7050 Aug 06 04:59	0°♍	
conjunction	7050 Sep 16 12:17	28°♍42'47	1°07'13
minimum elong	7050 Sep 16 12:10	28°♍42'35	1°07'14
	7050 Sep 18 09:47	0°♎	
max. Earth dist.	7050 Oct 12 08:37	16°♎03'10	2.59106 AU
	7050 Nov 02 14:42	0°♏	
morning rise	7050 Nov 06 01:09	2°♏13'52	
	7050 Dec 19 14:26	0°♐	
	7051 Feb 06 07:59	0°♑	
	7051 Mar 29 18:42	0°♒	
desc. node	7051 Apr 04 11:51	3°♒09'58	
	7051 May 28 20:38	0°♓	
retrograde	7051 Jul 19 13:46	12°♓29'27	
opposition	7051 Aug 23 11:00	5°♓22'34	-5°04'09
greatest brilliancy	7051 Aug 24 22:38	4°♓51'12	-2.1m
min. Earth dist.	7051 Aug 31 21:34	2°♓25'15	0.50307 AU
	7051 Sep 08 13:36	30°℞♒	
direct	7051 Sep 30 18:11	26°♒38'19	
	7051 Oct 23 14:43	0°♓	
	7051 Dec 23 04:38	0°♈	
	7052 Feb 04 12:57	0°♉	
asc. node	7052 Feb 27 18:07	17°♉12'33	
	7052 Mar 15 17:33	0°♊	
	7052 Apr 24 11:33	0°♋	
	7052 Jun 04 02:55	0°♌	
	7052 Jul 16 08:46	0°♍	
	7052 Aug 29 10:53	0°♎	
evening set	7052 Sep 09 03:11	7°♎05'30	
	7052 Oct 14 04:34	0°♏	
conjunction	7052 Oct 27 17:09	8°♏42'47	0°52'39
minimum elong	7052 Oct 27 18:18	8°♏44'38	0°52'41
max. Earth dist.	7052 Nov 05 21:34	14°♏35'58	2.66268 AU
	7052 Nov 30 01:39	0°♐	
morning rise	7052 Dec 11 23:30	7°♐33'11	
	7053 Jan 16 12:36	0°♑	
desc. node	7053 Feb 19 10:07	21°♑19'07	
	7053 Mar 05 06:21	0°♒	
	7053 Apr 22 11:42	0°♓	
	7053 Jun 11 07:00	0°♈	
	7053 Aug 06 21:47	0°♉	
retrograde	7053 Sep 27 13:17	13°♉31'49	
opposition	7053 Oct 27 17:17	8°♉29'32	-5°12'22
greatest brilliancy	7053 Oct 28 16:44	8°♉13'24	-2.9m
min. Earth dist.	7053 Oct 31 22:42	7°♉19'58	0.37975 AU
direct	7053 Nov 27 21:44	3°♉00'11	
asc. node	7054 Jan 14 18:39	16°♉25'21	
	7054 Feb 08 14:21	0°♊	

	7054 Mar 27 11:24	0°♋	
	7054 May 10 23:30	0°♌	
	7054 Jun 24 19:44	0°♍	
	7054 Aug 09 17:14	0°♎	
	7054 Sep 25 14:31	0°♏	
evening set	7054 Oct 18 20:54	14°♏44'54	
	7054 Nov 11 23:04	0°♐	
max. Earth dist.	7054 Nov 28 10:33	10°♐27'07	2.67941 AU
conjunction	7054 Dec 03 02:08	13°♐24'20	0°18'20
minimum elong	7054 Dec 03 02:41	13°♐25'11	0°18'23
	7054 Dec 29 02:19	0°♑	
desc. node	7055 Jan 07 08:18	5°♑56'09	
morning rise	7055 Jan 15 19:52	11°♑24'00	
	7055 Feb 13 11:03	0°♒	
	7055 Mar 30 18:31	0°♓	
	7055 May 13 23:47	0°♈	
	7055 Jun 26 07:17	0°♉	
	7055 Aug 08 07:46	0°♊	
	7055 Sep 22 02:26	0°♋	
	7055 Nov 20 19:38	0°♌	
asc. node	7055 Dec 02 17:09	2°♌36'43	
retrograde	7055 Dec 12 19:46	3°♌21'03	
	7056 Jan 03 20:19	30°℞♋	
min. Earth dist.	7056 Jan 08 03:05	28°♋43'42	0.41400 AU
opposition	7056 Jan 15 21:55	26°♋14'48	2°52'49
greatest brilliancy	7056 Jan 14 24:00	26°♋32'21	-2.7m
direct	7056 Feb 15 20:48	20°♋22'36	
	7056 Mar 29 00:33	0°♌	
	7056 May 27 12:11	0°♍	
	7056 Jul 17 13:57	0°♎	
	7056 Sep 05 00:28	0°♏	
	7056 Oct 23 14:06	0°♐	
evening set	7056 Nov 23 01:45	19°♐11'07	
desc. node	7056 Nov 24 06:59	19°♐57'33	
	7056 Dec 10 00:09	0°♑	
max. Earth dist.	7056 Dec 20 19:06	6°♑57'30	2.64148 AU
conjunction	7057 Jan 07 00:49	18°♑12'00	-0°22'57
minimum elong	7057 Jan 07 00:07	18°♑10'51	0°22'53
	7057 Jan 24 20:47	0°♒	
morning rise	7057 Feb 21 11:55	18°♒39'39	
	7057 Mar 09 22:39	0°♓	
	7057 Apr 21 06:22	0°♈	
	7057 Jun 01 02:00	0°♉	
	7057 Jul 10 21:11	0°♊	
	7057 Aug 19 11:09	0°♋	
	7057 Sep 29 04:23	0°♌	
asc. node	7057 Oct 19 16:05	14°♌18'03	
	7057 Nov 12 20:04	0°♍	
	7058 Jan 22 03:36	0°♎	
retrograde	7058 Jan 31 06:33	0°♎34'39	
	7058 Feb 09 03:23	30°℞♍	
min. Earth dist.	7058 Mar 03 20:21	23°♍45'58	0.54892 AU
opposition	7058 Mar 10 22:45	21°♍02'03	5°05'48
greatest brilliancy	7058 Mar 09 16:16	21°♍31'30	-1.9m
direct	7058 Apr 15 18:03	13°♍01'30	
	7058 Jun 16 06:49	0°♎	
	7058 Aug 13 12:54	0°♏	
	7058 Oct 04 01:55	0°♐	
desc. node	7058 Oct 12 06:23	4°♐57'04	
	7058 Nov 21 13:37	0°♑	
evening set	7058 Dec 30 16:40	25°♑26'59	
	7059 Jan 06 12:01	0°♒	
max. Earth dist.	7059 Jan 17 00:48	7°♒06'49	2.55132 AU
conjunction	7059 Feb 16 19:37	28°♒26'10	-0°58'17
minimum elong	7059 Feb 16 18:22	28°♒23'59	0°58'14
	7059 Feb 19 00:45	0°♓	
	7059 Apr 01 10:18	0°♈	
morning rise	7059 Apr 10 07:19	6°♈36'29	
	7059 May 11 04:00	0°♉	
	7059 Jun 18 21:14	0°♊	
	7059 Jul 27 08:55	0°♋	
	7059 Sep 04 13:56	0°♌	
asc. node	7059 Sep 06 15:18	1°♌32'35	
	7059 Oct 15 16:41	0°♍	
	7059 Nov 29 15:35	0°♎	
	7060 Jan 24 11:56	0°♏	
retrograde	7060 Mar 09 07:36	10°♏41'45	
min. Earth dist.	7060 Apr 15 03:49	2°♏04'47	0.64641 AU
opposition	7060 Apr 18 13:49	0°♏42'52	3°57'43
greatest brilliancy	7060 Apr 18 02:42	0°♏53'59	-1.4m
	7060 Apr 20 08:52	30°℞♎	
direct	7060 May 27 17:34	21°♎29'52	
	7060 Jul 08 12:43	0°♏	
desc. node	7060 Aug 29 05:51	23°♏29'09	
	7060 Sep 10 09:53	0°♐	
	7060 Oct 31 20:59	0°♑	
	7060 Dec 17 15:44	0°♒	
	7061 Jan 30 03:38	0°♓	
evening set	7061 Feb 12 14:38	9°♓40'48	
max. Earth dist.	7061 Feb 28 18:23	21°♓31'54	2.42204 AU
	7061 Mar 12 02:42	0°♈	
conjunction	7061 Apr 11 00:27	22°♈48'38	-0°59'43
minimum elong	7061 Apr 11 02:31	22°♈52'37	0°59'43
	7061 Apr 20 06:52	0°♉	
	7061 May 28 11:41	0°♊	
morning rise	7061 Jun 18 10:30	16°♊32'08	
	7061 Jul 05 13:49	0°♋	
asc. node	7061 Jul 24 13:19	14°♋46'04	
	7061 Aug 13 10:22	0°♌	
	7061 Sep 22 22:03	0°♍	
	7061 Nov 04 22:26	0°♎	
	7061 Dec 21 21:49	0°♏	
	7062 Feb 16 01:48	0°♐	
retrograde	7062 Apr 12 13:49	14°♐30'15	
opposition	7062 May 22 21:30	4°♐49'34	1°50'54
greatest brilliancy	7062 May 22 22:30	4°♐48'35	-1.3m
min. Earth dist.	7062 May 23 07:16	4°♐39'52	0.68071 AU
	7062 Jun 04 15:50	30°℞♏	
direct	7062 Jul 02 23:21	24°♏57'56	
desc. node	7062 Jul 17 04:53	26°♏07'03	
	7062 Aug 03 02:30	0°♐	
	7062 Oct 08 15:43	0°♑	
	7062 Nov 27 07:17	0°♒	
	7063 Jan 10 13:07	0°♓	
	7063 Feb 20 12:51	0°♈	
	7063 Mar 31 12:09	0°♉	
evening set	7063 Apr 15 06:17	11°♉36'02	
	7063 May 08 12:12	0°♊	
asc. node	7063 Jun 11 11:51	26°♊51'01	
	7063 Jun 15 12:15	0°♋	
conjunction	7063 Jun 24 08:45	6°♋54'52	0°09'09
minimum elong	7063 Jun 24 07:47	6°♋52'59	0°09'04
behind sun begin	7063 Jun 23 06:37	6°♋04'00	
behind sun end	7063 Jun 25 08:57	7°♋41'56	
	7063 Jul 24 09:36	0°♌	
max. Earth dist.	7063 Aug 16 02:00	16°♌58'21	2.41411 AU
morning rise	7063 Aug 31 13:41	28°♌17'59	
	7063 Sep 02 22:06	0°♍	
	7063 Oct 15 15:05	0°♎	

	7063 Nov 30 00:03	0°♏	
	7064 Jan 17 22:20	0°♐	
	7064 Mar 14 12:24	0°♑	
retrograde	7064 May 17 05:00	17°♑37'38	
desc. node	7064 Jun 03 03:53	15°♑48'42	
opposition	7064 Jun 25 08:45	8°♑38'31	-0°47'50
greatest brilliancy	7064 Jun 25 11:21	8°♑36'00	-1.4m
min. Earth dist.	7064 Jun 29 12:56	7°♑01'06	0.64915 AU
	7064 Jul 22 05:07	30°℞♐	
direct	7064 Aug 05 21:25	28°♐35'43	
	7064 Aug 21 07:24	0°♑	
	7064 Nov 01 08:26	0°♒	
	7064 Dec 18 18:29	0°♓	
	7065 Jan 29 16:44	0°♈	
	7065 Mar 09 23:32	0°♉	
	7065 Apr 17 03:51	0°♊	
asc. node	7065 Apr 28 11:49	8°♊56'01	
	7065 May 25 09:26	0°♋	
evening set	7065 Jun 27 01:35	25°♋04'07	
	7065 Jul 03 14:43	0°♌	
	7065 Aug 13 12:21	0°♍	
conjunction	7065 Aug 27 18:28	10°♍07'21	1°02'55
minimum elong	7065 Aug 27 17:05	10°♍04'55	1°02'54
	7065 Sep 25 11:27	0°♎	
max. Earth dist.	7065 Sep 30 18:18	3°♎35'20	2.54871 AU
morning rise	7065 Oct 20 21:29	17°♎04'30	
	7065 Nov 09 14:14	0°♏	
	7065 Dec 26 19:39	0°♐	
	7066 Feb 14 12:57	0°♑	
	7066 Apr 10 07:55	0°♒	
desc. node	7066 Apr 21 02:58	5°♒14'06	
retrograde	7066 Jun 28 23:52	25°♒09'45	
opposition	7066 Aug 04 10:37	17°♒21'59	-3°52'48
greatest brilliancy	7066 Aug 05 10:48	16°♒59'43	-1.8m
min. Earth dist.	7066 Aug 12 00:32	14°♒34'46	0.55416 AU
direct	7066 Sep 13 07:36	7°♒56'13	
	7066 Nov 18 17:37	0°♓	
	7067 Jan 04 21:41	0°♈	
	7067 Feb 14 23:25	0°♉	
asc. node	7067 Mar 16 10:32	22°♉31'01	
	7067 Mar 26 03:30	0°♊	
	7067 May 04 04:46	0°♋	
	7067 Jun 13 05:48	0°♌	
	7067 Jul 24 22:59	0°♍	
evening set	7067 Aug 23 07:31	20°♍19'13	
	7067 Sep 06 14:34	0°♎	
conjunction	7067 Oct 13 08:36	24°♎20'10	1°01'36
minimum elong	7067 Oct 13 09:35	24°♎21'46	1°01'37
	7067 Oct 22 01:27	0°♏	
max. Earth dist.	7067 Oct 28 12:08	4°♏10'30	2.64112 AU
morning rise	7067 Nov 29 03:06	24°♏26'21	
	7067 Dec 07 21:27	0°♐	
	7068 Jan 24 16:36	0°♑	
desc. node	7068 Mar 08 00:39	26°♑42'43	
	7068 Mar 13 10:19	0°♒	
	7068 May 03 00:33	0°♓	
	7068 Jun 28 23:13	0°♈	
retrograde	7068 Aug 27 09:38	16°♈21'38	
opposition	7068 Sep 28 06:04	10°♈35'21	-6°08'29
greatest brilliancy	7068 Sep 30 00:02	10°♈03'15	-2.6m
min. Earth dist.	7068 Oct 06 00:30	8°♈13'44	0.41982 AU
direct	7068 Nov 01 13:11	3°♈43'43	
	7069 Jan 11 02:12	0°♉	
asc. node	7069 Jan 31 10:03	12°♉57'59	
	7069 Feb 25 07:37	0°♊	
	7069 Apr 08 12:25	0°♋	
	7069 May 20 19:06	0°♌	
	7069 Jul 03 06:34	0°♍	
	7069 Aug 17 06:32	0°♎	
	7069 Oct 02 14:29	0°♏	
evening set	7069 Oct 04 03:39	0°♏59'31	
	7069 Nov 18 16:47	0°♐	
conjunction	7069 Nov 19 06:20	0°♐21'30	0°33'01
minimum elong	7069 Nov 19 07:14	0°♐22'57	0°33'03
max. Earth dist.	7069 Nov 19 21:54	0°♐46'14	2.67949 AU
morning rise	7070 Jan 02 05:26	28°♐18'14	
	7070 Jan 04 21:16	0°♑	
desc. node	7070 Jan 23 22:23	12°♑10'16	
	7070 Feb 20 15:51	0°♒	
	7070 Apr 07 19:28	0°♓	
	7070 May 23 10:16	0°♈	
	7070 Jul 07 22:57	0°♉	
	7070 Aug 24 01:39	0°♊	
	7070 Oct 24 11:50	0°♋	
retrograde	7070 Nov 16 10:17	3°♋27'32	
	7070 Dec 09 18:49	30°℞♊	
min. Earth dist.	7070 Dec 13 06:33	29°♊03'28	0.37602 AU
opposition	7070 Dec 17 17:08	27°♊48'44	-0°07'49
greatest brilliancy	7070 Dec 17 16:48	27°♊48'58	-3.0m
asc. node	7070 Dec 19 10:54	27°♊19'29	
direct	7071 Jan 16 05:48	22°♊46'13	
	7071 Feb 20 08:19	0°♋	
	7071 Apr 20 16:09	0°♌	
	7071 Jun 09 03:25	0°♍	
	7071 Jul 27 08:36	0°♎	
	7071 Sep 13 12:30	0°♏	
	7071 Oct 31 11:57	0°♐	
evening set	7071 Nov 10 03:10	6°♐04'04	
desc. node	7071 Dec 11 20:42	26°♐13'42	
max. Earth dist.	7071 Dec 12 11:01	26°♐36'38	2.66272 AU
	7071 Dec 17 17:48	0°♑	
conjunction	7071 Dec 24 20:18	4°♑34'26	-0°06'55
minimum elong	7071 Dec 24 20:06	4°♑34'06	0°06'50
behind sun begin	7071 Dec 24 03:02	4°♑06'37	
behind sun end	7071 Dec 25 13:09	5°♑01'37	
	7072 Feb 01 17:43	0°♒	
morning rise	7072 Feb 07 04:14	3°♒36'48	
	7072 Mar 17 04:51	0°♓	
	7072 Apr 29 02:43	0°♈	
	7072 Jun 09 15:32	0°♉	
	7072 Jul 20 06:05	0°♊	
	7072 Aug 29 19:57	0°♋	
	7072 Oct 11 08:02	0°♌	
asc. node	7072 Nov 05 09:53	15°♌58'25	
	7072 Dec 01 13:54	0°♍	
retrograde	7073 Jan 13 19:29	11°♍19'40	
min. Earth dist.	7073 Feb 11 23:25	5°♍24'55	0.49654 AU
greatest brilliancy	7073 Feb 18 16:54	2°♍56'59	-2.2m
opposition	7073 Feb 20 03:37	2°♍24'55	4°54'37
	7073 Feb 26 23:01	30°℞♌	
direct	7073 Mar 26 05:37	25°♌07'40	
	7073 Apr 24 16:31	0°♍	
	7073 Jun 30 10:12	0°♎	
	7073 Aug 22 12:37	0°♏	
	7073 Oct 11 13:25	0°♐	
desc. node	7073 Oct 28 19:48	10°♐39'19	
	7073 Nov 28 12:27	0°♑	
evening set	7073 Dec 15 14:13	11°♑00'17	
max. Earth dist.	7074 Jan 05 15:15	24°♑50'05	2.59236 AU
	7074 Jan 13 09:01	0°♒	

conjunction	7074 Jan 30 23:22	11°♒54'25	-0°46'31
minimum elong	7074 Jan 30 22:06	11°♒52'15	0°46'27
	7074 Feb 26 01:46	0°♓	
morning rise	7074 Mar 20 19:06	16°♓10'54	
	7074 Apr 08 18:40	0°♈	
	7074 May 18 20:41	0°♉	
	7074 Jun 26 21:49	0°♊	
	7074 Aug 04 16:40	0°♋	
	7074 Sep 13 05:52	0°♌	
asc. node	7074 Sep 23 07:16	7°♌25'16	
	7074 Oct 25 01:02	0°♍	
	7074 Dec 11 05:56	0°♎	
retrograde	7075 Feb 24 07:27	26°♎25'52	
min. Earth dist.	7075 Mar 31 06:20	18°♎26'16	0.61536 AU
greatest brilliancy	7075 Apr 04 09:29	16°♎47'49	-1.6m
opposition	7075 Apr 05 04:07	16°♎29'19	4°34'35
direct	7075 May 13 04:24	7°♎39'39	
	7075 Jul 26 06:18	0°♏	
desc. node	7075 Sep 15 19:23	27°♏18'22	
	7075 Sep 20 12:31	0°♐	
	7075 Nov 09 10:57	0°♑	
	7075 Dec 25 19:25	0°♒	
evening set	7076 Jan 25 17:25	21°♒09'01	
	7076 Feb 07 06:41	0°♓	
max. Earth dist.	7076 Feb 08 15:49	0°♓58'56	2.47521 AU
conjunction	7076 Mar 18 12:12	29°♓20'37	-1°06'15
minimum elong	7076 Mar 18 12:21	29°♓20'55	1°06'16
	7076 Mar 19 09:16	0°♈	
	7076 Apr 27 17:57	0°♉	
morning rise	7076 May 19 00:10	16°♉34'04	
	7076 Jun 05 02:40	0°♊	
greatest brilliancy	7076 Jun 21 05:31	12°♊41'08	1.2m
	7076 Jul 13 07:18	0°♋	
asc. node	7076 Aug 10 06:16	21°♋38'56	
	7076 Aug 21 05:14	0°♌	
	7076 Sep 30 19:22	0°♍	
	7076 Nov 13 05:14	0°♎	
	7076 Dec 31 18:19	0°♏	
	7077 Mar 12 09:22	0°♐	
retrograde	7077 Mar 30 08:55	1°♐54'02	
	7077 Apr 16 06:37	30°℞♏	
opposition	7077 May 09 19:32	22°♏03'01	2°44'16
min. Earth dist.	7077 May 08 17:22	22°♏29'09	0.67514 AU
greatest brilliancy	7077 May 09 17:19	22°♏05'14	-1.3m
direct	7077 Jun 19 07:18	12°♏23'24	
desc. node	7077 Aug 02 19:06	21°♏51'33	
	7077 Aug 22 08:49	0°♐	
	7077 Oct 18 01:48	0°♑	
	7077 Dec 05 05:07	0°♒	
	7078 Jan 18 01:22	0°♓	
	7078 Feb 27 23:53	0°♈	
evening set	7078 Mar 19 15:24	14°♈57'55	
	7078 Apr 08 00:25	0°♉	
	7078 May 16 01:40	0°♊	
conjunction	7078 May 25 01:04	7°♊06'26	-0°23'57
minimum elong	7078 May 25 03:29	7°♊11'15	0°24'00
max. Earth dist.	7078 Jun 19 14:34	27°♊16'49	2.36854 AU
	7078 Jun 23 01:46	0°♋	
asc. node	7078 Jun 28 04:55	4°♋00'59	
	7078 Jul 31 21:38	0°♌	
morning rise	7078 Aug 05 09:27	3°♌24'10	
	7078 Sep 10 08:07	0°♍	
	7078 Oct 23 01:09	0°♎	
	7078 Dec 07 18:13	0°♏	
	7079 Jan 27 04:11	0°♐	
	7079 Apr 03 23:49	0°♑	
retrograde	7079 May 03 20:56	4°♑43'25	
	7079 May 31 06:02	30°℞♐	
opposition	7079 Jun 12 15:17	25°♐25'12	0°17'04
greatest brilliancy	7079 Jun 12 16:08	25°♐24'22	-1.4m
min. Earth dist.	7079 Jun 15 08:21	24°♐21'15	0.66938 AU
desc. node	7079 Jun 20 18:12	22°♐16'08	
direct	7079 Jul 24 04:22	15°♐22'53	
	7079 Sep 18 05:15	0°♑	
	7079 Nov 12 18:37	0°♒	
	7079 Dec 28 09:55	0°♓	
	7080 Feb 07 19:38	0°♈	
	7080 Mar 17 21:38	0°♉	
greatest brilliancy	7080 Apr 17 20:57	24°♉23'45	1.2m
	7080 Apr 24 22:56	0°♊	
asc. node	7080 May 15 03:11	15°♊56'39	
evening set	7080 May 30 04:09	27°♊45'10	
	7080 Jun 02 01:10	0°♋	
	7080 Jul 11 02:06	0°♌	
conjunction	7080 Aug 05 02:33	18°♌36'43	0°50'01
minimum elong	7080 Aug 04 23:57	18°♌31'57	0°49'57
	7080 Aug 20 18:49	0°♍	
max. Earth dist.	7080 Sep 16 21:09	19°♍10'39	2.49947 AU
	7080 Oct 02 13:53	0°♎	
morning rise	7080 Oct 03 00:23	0°♎17'56	
	7080 Nov 16 16:23	0°♏	
	7081 Jan 03 07:27	0°♐	
	7081 Feb 23 13:47	0°♑	
	7081 Apr 26 17:00	0°♒	
desc. node	7081 May 07 16:48	3°♒48'56	
retrograde	7081 Jun 10 23:14	9°♒47'21	
opposition	7081 Jul 18 16:44	1°♒26'34	-2°38'51
greatest brilliancy	7081 Jul 19 06:19	1°♒13'42	-1.6m
	7081 Jul 22 11:51	30°℞♑	
min. Earth dist.	7081 Jul 25 00:59	29°♑02'19	0.59865 AU
direct	7081 Aug 28 13:12	21°♑37'07	
	7081 Oct 06 13:29	0°♒	
	7081 Dec 02 07:04	0°♓	
	7082 Jan 15 04:54	0°♈	
	7082 Feb 24 05:38	0°♉	
asc. node	7082 Apr 02 03:29	28°♉40'35	
	7082 Apr 03 20:10	0°♊	
	7082 May 12 10:41	0°♋	
	7082 Jun 21 01:24	0°♌	
	7082 Aug 01 08:45	0°♍	
evening set	7082 Aug 03 08:36	1°♍24'46	
	7082 Sep 13 16:06	0°♎	
conjunction	7082 Sep 26 18:43	8°♎49'03	1°06'38
minimum elong	7082 Sep 26 19:08	8°♎49'45	1°06'40
max. Earth dist.	7082 Oct 18 13:55	23°♎14'58	2.61127 AU
	7082 Oct 28 22:02	0°♏	
morning rise	7082 Nov 14 17:32	10°♏52'09	
	7082 Dec 14 19:10	0°♐	
	7083 Feb 01 02:35	0°♑	
	7083 Mar 23 07:29	0°♒	
desc. node	7083 Mar 25 14:55	1°♒20'17	
	7083 May 17 06:32	0°♓	
retrograde	7083 Aug 01 16:03	23°♓59'24	
opposition	7083 Sep 04 14:22	17°♓19'02	-5°38'24
greatest brilliancy	7083 Sep 06 07:05	16°♓44'34	-2.3m
min. Earth dist.	7083 Sep 13 05:20	14°♓25'18	0.47309 AU
direct	7083 Oct 11 16:29	9°♓08'20	
	7083 Dec 12 17:21	0°♈	
	7084 Jan 28 02:19	0°♉	
asc. node	7084 Feb 18 03:47	15°♉07'53	

	7084 Mar 09 07:47	0°♊	
	7084 Apr 18 16:04	0°♋	
	7084 May 29 17:29	0°♌	
	7084 Jul 11 07:07	0°♍	
	7084 Aug 24 15:02	0°♎	
evening set	7084 Sep 18 13:44	16°♎24'51	
	7084 Oct 09 12:29	0°♏	
conjunction	7084 Nov 05 02:38	17°♏03'22	0°46'02
minimum elong	7084 Nov 05 03:46	17°♏05'10	0°46'05
max. Earth dist.	7084 Nov 11 04:39	20°♏56'11	2.67097 AU
	7084 Nov 25 10:28	0°♐	
morning rise	7084 Dec 19 18:24	15°♐26'01	
	7085 Jan 11 18:24	0°♑	
desc. node	7085 Feb 09 12:20	18°♑12'48	
	7085 Feb 28 02:26	0°♒	
	7085 Apr 16 10:11	0°♓	
	7085 Jun 03 05:52	0°♈	
	7085 Jul 23 09:38	0°♉	
	7085 Oct 01 17:52	0°♊	
retrograde	7085 Oct 16 03:08	1°♊18'22	
	7085 Oct 30 13:27	30°℞♉	
opposition	7085 Nov 15 00:12	26°♉22'46	-3°43'50
greatest brilliancy	7085 Nov 15 08:23	26°♉17'21	-3.0m
min. Earth dist.	7085 Nov 16 03:48	26°♉04'32	0.36872 AU
direct	7085 Dec 14 18:37	21°♉22'48	
asc. node	7086 Jan 05 02:52	24°♉18'58	
	7086 Jan 21 16:48	0°♊	
	7086 Mar 18 04:55	0°♋	
	7086 May 04 00:49	0°♌	
	7086 Jun 18 23:54	0°♍	
	7086 Aug 04 12:43	0°♎	
	7086 Sep 20 18:54	0°♏	
evening set	7086 Oct 27 01:32	22°♏53'18	
	7086 Nov 07 07:44	0°♐	
max. Earth dist.	7086 Dec 03 13:18	16°♐37'55	2.67575 AU
conjunction	7086 Dec 10 23:43	21°♐22'03	0°09'12
minimum elong	7086 Dec 10 24:00	21°♐22'30	0°09'16
behind sun begin	7086 Dec 10 08:42	20°♐58'07	
behind sun end	7086 Dec 11 15:18	21°♐46'54	
	7086 Dec 24 11:34	0°♑	
desc. node	7086 Dec 28 10:33	2°♑32'31	
morning rise	7087 Jan 23 19:05	19°♑35'24	
	7087 Feb 08 16:56	0°♒	
	7087 Mar 25 16:34	0°♓	
	7087 May 08 09:20	0°♈	
	7087 Jun 19 22:33	0°♉	
	7087 Jul 31 19:55	0°♊	
	7087 Sep 12 08:25	0°♋	
	7087 Oct 29 20:27	0°♌	
asc. node	7087 Nov 23 02:14	11°♌36'16	
retrograde	7087 Dec 25 18:38	18°♌35'45	
min. Earth dist.	7088 Jan 21 17:55	13°♌35'12	0.44201 AU
greatest brilliancy	7088 Jan 28 21:58	11°♌09'56	-2.5m
opposition	7088 Jan 30 04:33	10°♌43'54	3°57'26
direct	7088 Mar 02 07:19	4°♌19'47	
	7088 May 18 09:34	0°♍	
	7088 Jul 11 07:19	0°♎	
	7088 Aug 30 18:12	0°♏	
	7088 Oct 18 18:32	0°♐	
desc. node	7088 Nov 14 10:05	16°♐40'23	
evening set	7088 Dec 01 03:53	27°♐18'24	
	7088 Dec 05 08:49	0°♑	
max. Earth dist.	7088 Dec 26 09:46	13°♑36'41	2.62604 AU
conjunction	7089 Jan 15 11:39	26°♑50'25	-0°32'05
minimum elong	7089 Jan 15 10:41	26°♑48'49	0°32'01
	7089 Jan 20 05:27	0°♒	
morning rise	7089 Mar 02 21:26	28°♒24'44	
	7089 Mar 05 04:06	0°♓	
	7089 Apr 16 06:34	0°♈	
	7089 May 26 19:39	0°♉	
	7089 Jul 05 07:42	0°♊	
	7089 Aug 13 13:25	0°♋	
	7089 Sep 22 16:51	0°♌	
asc. node	7089 Oct 10 01:17	12°♌26'44	
	7089 Nov 04 20:07	0°♍	
	7089 Dec 28 01:46	0°♎	
retrograde	7090 Feb 09 08:48	10°♎46'40	
min. Earth dist.	7090 Mar 14 04:51	3°♎30'55	0.57480 AU
greatest brilliancy	7090 Mar 19 10:48	1°♎27'52	-1.8m
opposition	7090 Mar 20 13:24	1°♎01'48	4°59'46
	7090 Mar 23 05:11	30°℞♍	
direct	7090 Apr 26 04:42	22°♍41'48	
	7090 Jun 02 23:03	0°♎	
	7090 Aug 06 22:57	0°♏	
	7090 Sep 28 19:08	0°♐	
desc. node	7090 Oct 02 09:38	2°♐08'34	
	7090 Nov 16 17:58	0°♑	
	7091 Jan 01 20:03	0°♒	
evening set	7091 Jan 08 17:46	4°♒38'58	
max. Earth dist.	7091 Jan 24 09:49	15°♒21'14	2.52548 AU
	7091 Feb 14 08:25	0°♓	
conjunction	7091 Feb 27 05:44	9°♓12'16	-1°03'08
minimum elong	7091 Feb 27 04:46	9°♓10'32	1°03'06
	7091 Mar 27 15:38	0°♈	
morning rise	7091 Apr 23 11:56	20°♈13'31	
	7091 May 06 06:01	0°♉	
	7091 Jun 13 19:52	0°♊	
	7091 Jul 22 04:33	0°♋	
asc. node	7091 Aug 27 22:23	28°♋14'56	
	7091 Aug 30 05:59	0°♌	
	7091 Oct 10 02:00	0°♍	
	7091 Nov 23 05:53	0°♎	
	7092 Jan 13 23:34	0°♏	
retrograde	7092 Mar 17 01:55	18°♏54'00	
min. Earth dist.	7092 Apr 23 20:28	9°♏58'59	0.65947 AU
opposition	7092 Apr 26 10:51	8°♏56'37	3°32'33
greatest brilliancy	7092 Apr 26 03:23	9°♏04'05	-1.4m
	7092 May 27 17:10	30°℞♎	
direct	7092 Jun 05 03:21	29°♎33'05	
	7092 Jun 13 21:53	0°♏	
desc. node	7092 Aug 19 09:00	22°♏18'52	
	7092 Sep 03 15:25	0°♐	
	7092 Oct 26 12:59	0°♑	
	7092 Dec 12 18:30	0°♒	
	7093 Jan 25 09:37	0°♓	
evening set	7093 Feb 24 08:00	21°♓45'31	
	7093 Mar 07 08:54	0°♈	
max. Earth dist.	7093 Mar 17 17:19	7°♈49'39	2.39415 AU
	7093 Apr 15 11:50	0°♉	
conjunction	7093 Apr 25 21:27	8°♉08'06	-0°50'25
minimum elong	7093 Apr 26 00:27	8°♉13'59	0°50'25
	7093 May 23 15:01	0°♊	
	7093 Jun 30 15:47	0°♋	
morning rise	7093 Jul 06 07:09	4°♋24'49	
asc. node	7093 Jul 14 21:34	11°♋06'57	
	7093 Aug 08 11:05	0°♌	
	7093 Sep 17 20:52	0°♍	
	7093 Oct 30 16:32	0°♎	
	7093 Dec 16 00:16	0°♏	

	7094 Feb 07 03:02	0°♐	
retrograde	7094 Apr 20 05:51	22°♐10'38	
opposition	7094 May 30 09:53	12°♐36'59	1°17'30
greatest brilliancy	7094 May 30 11:34	12°♐35'19	-1.3m
min. Earth dist.	7094 May 31 15:06	12°♐08'02	0.67957 AU
desc. node	7094 Jul 07 08:11	2°♐44'43	
direct	7094 Jul 10 17:12	2°♐40'28	
	7094 Oct 01 14:25	0°♑	
	7094 Nov 21 18:50	0°♒	
	7095 Jan 05 11:18	0°♓	
	7095 Feb 15 14:46	0°♈	
	7095 Mar 26 15:12	0°♉	
evening set	7095 May 01 10:41	28°♉15'21	
	7095 May 03 15:31	0°♊	
asc. node	7095 Jun 01 21:26	23°♊07'11	
	7095 Jun 10 15:52	0°♋	
conjunction	7095 Jul 10 16:28	23°♋14'38	0°26'35
minimum elong	7095 Jul 10 14:04	23°♋10'02	0°26'28
	7095 Jul 19 13:34	0°♌	
	7095 Aug 29 02:14	0°♍	
max. Earth dist.	7095 Aug 30 13:01	1°♍02'45	2.44457 AU
morning rise	7095 Sep 13 13:58	11°♍04'43	
	7095 Oct 10 18:27	0°♎	
	7095 Nov 24 22:53	0°♏	
	7096 Jan 12 05:44	0°♐	
	7096 Mar 06 02:40	0°♑	
desc. node	7096 May 24 06:53	25°♑44'59	
retrograde	7096 May 25 20:16	25°♑45'51	
opposition	7096 Jul 03 13:15	16°♑58'55	-1°27'37
greatest brilliancy	7096 Jul 03 18:59	16°♑53'24	-1.5m
min. Earth dist.	7096 Jul 08 12:12	15°♑04'04	0.63380 AU
direct	7096 Aug 13 22:14	6°♑58'29	
	7096 Oct 24 09:11	0°♒	
	7096 Dec 12 18:24	0°♓	
	7097 Jan 24 06:01	0°♈	
	7097 Mar 04 18:11	0°♉	
	7097 Apr 12 01:23	0°♊	
asc. node	7097 Apr 18 20:05	5°♊19'48	
	7097 May 20 09:26	0°♋	
	7097 Jun 28 17:09	0°♌	
evening set	7097 Jul 11 10:21	9°♌27'22	
	7097 Aug 08 17:03	0°♍	
conjunction	7097 Sep 08 06:48	21°♍27'45	1°06'18
minimum elong	7097 Sep 08 06:10	21°♍26'41	1°06'17
	7097 Sep 20 17:53	0°♎	
max. Earth dist.	7097 Oct 07 16:56	11°♎26'23	2.57299 AU
morning rise	7097 Oct 30 06:46	26°♎22'09	
	7097 Nov 04 20:19	0°♏	
	7097 Dec 21 20:59	0°♐	
	7098 Feb 08 22:36	0°♑	
	7098 Apr 02 12:02	0°♒	
desc. node	7098 Apr 11 04:59	4°♒37'04	
	7098 Jun 08 16:58	0°♓	
retrograde	7098 Jul 10 05:47	5°♓11'11	
	7098 Aug 08 09:14	30°℞♒	
opposition	7098 Aug 14 21:09	27°♒44'41	-4°34'26
greatest brilliancy	7098 Aug 16 03:52	27°♒17'00	-2.0m
min. Earth dist.	7098 Aug 23 00:08	24°♒49'45	0.52671 AU
direct	7098 Sep 22 23:00	18°♒39'12	
	7098 Nov 06 13:56	0°♓	
	7098 Dec 28 12:03	0°♈	
	7099 Feb 08 16:33	0°♉	
asc. node	7099 Mar 06 19:20	19°♉39'46	
	7099 Mar 20 08:35	0°♊	
	7099 Apr 28 17:47	0°♋	
	7099 Jun 08 01:13	0°♌	
	7099 Jul 19 23:48	0°♍	
	7099 Sep 01 19:52	0°♎	
evening set	7099 Sep 02 16:13	0°♎34'05	
	7099 Oct 17 09:23	0°♏	
conjunction	7099 Oct 22 06:14	3°♏09'02	0°56'46
minimum elong	7099 Oct 22 07:21	3°♏10'51	0°56'49
max. Earth dist.	7099 Nov 02 23:10	10°♏41'37	2.65409 AU
	7099 Dec 03 05:07	0°♐	
morning rise	7099 Dec 07 02:50	2°♐28'36	
	7100 Jan 19 19:02	0°♑	
desc. node	7100 Feb 27 03:03	23°♑55'52	
	7100 Mar 08 21:57	0°♒	
	7100 Apr 27 00:11	0°♓	
	7100 Jun 18 00:18	0°♈	
	7100 Aug 29 15:23	0°♉	
retrograde	7100 Sep 14 11:29	1°♉29'51	
	7100 Sep 29 21:38	30°℞♈	
opposition	7100 Oct 15 05:43	26°♈10'57	-5°50'47
greatest brilliancy	7100 Oct 16 15:57	25°♈46'18	-2.8m
min. Earth dist.	7100 Oct 21 09:33	24°♈24'57	0.39517 AU
direct	7100 Nov 16 19:40	20°♈06'49	
	7100 Dec 26 19:23	0°♉	
asc. node	7101 Jan 22 20:01	14°♉08'51	
	7101 Feb 17 05:30	0°♊	
	7101 Apr 02 09:58	0°♋	
	7101 May 15 17:30	0°♌	
	7101 Jun 28 20:17	0°♍	
	7101 Aug 13 06:31	0°♎	
	7101 Sep 28 20:49	0°♏	
evening set	7101 Oct 13 15:26	9°♏24'34	
	7101 Nov 15 02:06	0°♐	
max. Earth dist.	7101 Nov 25 22:48	6°♐53'26	2.68048 AU
conjunction	7101 Nov 28 04:53	8°♐19'15	0°24'34
minimum elong	7101 Nov 28 05:36	8°♐20'23	0°24'38
	7102 Jan 01 05:59	0°♑	
morning rise	7102 Jan 10 23:37	6°♑14'05	
desc. node	7102 Jan 15 01:14	8°♑50'39	