

conjunction	9600 Mar 29 07:14	11° Υ 59'35	-1°07'47			9605 Jun 07 19:42	0° H	
minimum elong	9600 Mar 29 06:58	11° Υ 59'08	1°07'50	retrograde		9605 Jun 28 21:21	2° H 25'45	
	9600 Apr 23 15:15	0° B				9605 Jul 18 11:14	30° R \approx	
morning rise	9600 May 20 06:55	19° B 30'22		opposition		9605 Aug 07 06:06	23° \approx 21'24	-2°40'36
	9600 Jun 03 07:55	0° II		greatest brilliancy		9605 Aug 07 13:38	23° \approx 14'04	-1.4m
	9600 Jul 12 14:23	0° G		min. Earth dist.		9605 Aug 11 01:13	21° \approx 52'34	0.65583 AU
	9600 Aug 20 03:07	0° Ω		direct		9605 Sep 17 19:32	13° \approx 18'19	
asc. node	9600 Sep 10 21:52	16° Ω 58'12				9605 Nov 16 14:35	0° H	
	9600 Sep 27 18:28	0° M				9606 Jan 08 19:25	0° Υ	
	9600 Nov 06 13:46	0° L				9606 Feb 22 01:10	0° B	
	9600 Dec 19 00:12	0° M				9606 Apr 03 12:02	0° II	
	9601 Feb 05 06:59	0° A		asc. node		9606 May 03 15:37	23° II 22'19	
retrograde	9601 Apr 21 06:36	25° A 40'33				9606 May 12 02:03	0° G	
min. Earth dist.	9601 May 27 20:16	17° A 11'04	0.64198 AU			9606 Jun 19 02:20	0° Ω	
opposition	9601 May 31 14:57	15° A 40'50	2°34'29			9606 Jul 27 13:52	0° M	
greatest brilliancy	9601 May 31 07:04	15° A 48'41	-1.5m	evening set		9606 Aug 07 14:35	8° M 26'24	
direct	9601 Jul 09 17:06	6° A 32'02				9606 Sep 05 08:43	0° L	
desc. node	9601 Aug 14 06:45	12° A 54'35						
	9601 Sep 24 11:43	0° B		conjunction		9606 Oct 09 04:31	24° L 27'56	1°06'31
	9601 Nov 19 00:42	0° \approx		minimum elong		9606 Oct 09 04:47	24° L 28'23	1°06'38
	9602 Jan 07 00:42	0° H				9606 Oct 17 00:50	0° M	
	9602 Feb 21 06:10	0° Υ		max. Earth dist.		9606 Nov 13 14:47	19° M 03'15	2.54095 AU
evening set	9602 Mar 25 13:45	22° Υ 44'01				9606 Nov 29 20:39	0° A	
	9602 Apr 04 14:28	0° B		morning rise		9606 Dec 02 14:15	1° A 49'19	
max. Earth dist.	9602 Apr 09 09:38	3° B 30'41	2.43260 AU			9607 Jan 14 21:22	0° B	
	9602 May 14 17:48	0° II				9607 Mar 04 05:53	0° \approx	
				desc. node		9607 Apr 06 01:24	19° \approx 20'03	
conjunction	9602 May 21 09:27	5° II 05'49	-0°45'18			9607 Apr 25 01:09	0° H	
minimum elong	9602 May 21 12:07	5° II 10'56	0°45'35			9607 Jun 26 20:51	0° Υ	
	9602 Jun 22 10:01	0° G		retrograde		9607 Aug 09 17:28	9° Υ 16'54	
morning rise	9602 Jul 28 15:22	28° G 34'19		opposition		9607 Sep 15 12:43	1° Υ 20'16	-4°55'46
asc. node	9602 Jul 29 17:41	29° G 26'16		greatest brilliancy		9607 Sep 16 18:34	0° Υ 52'30	-1.8m
	9602 Jul 30 10:46	0° Ω				9607 Sep 19 02:52	30° R H	
	9602 Sep 06 16:48	0° M		min. Earth dist.		9607 Sep 22 22:00	28° H 35'59	0.56508 AU
	9602 Oct 16 01:24	0° L		direct		9607 Oct 25 14:14	21° H 48'08	
	9602 Nov 26 10:16	0° M				9607 Dec 02 10:04	0° Υ	
	9603 Jan 09 21:40	0° A				9608 Jan 26 23:22	0° B	
	9603 Feb 28 22:16	0° B				9608 Mar 10 02:05	0° II	
retrograde	9603 May 25 13:50	29° B 34'16		asc. node		9608 Mar 20 18:34	7° II 55'32	
desc. node	9603 Jul 02 08:18	20° B 54'56				9608 Apr 18 19:13	0° G	
opposition	9603 Jul 05 01:26	19° B 50'25	-0°05'38			9608 May 27 13:54	0° Ω	
greatest brilliancy	9603 Jul 05 01:28	19° B 50'23	-1.3m			9608 Jul 05 19:13	0° M	
min. Earth dist.	9603 Jul 05 01:34	19° B 50'16	0.68194 AU			9608 Aug 15 08:57	0° L	
direct	9603 Aug 15 03:26	10° B 01'00				9608 Sep 26 19:27	0° M	
	9603 Oct 23 00:07	0° \approx		evening set		9608 Oct 04 02:20	5° M 00'53	
	9603 Dec 16 18:25	0° H				9608 Nov 10 04:53	0° A	
	9604 Feb 01 11:34	0° Υ						
	9604 Mar 15 02:25	0° B		conjunction		9608 Nov 24 05:27	9° A 13'54	0°43'33
	9604 Apr 24 02:06	0° II		minimum elong		9608 Nov 24 06:45	9° A 16'01	0°43'52
evening set	9604 May 24 03:19	23° II 23'33		max. Earth dist.		9608 Dec 10 10:40	19° A 47'24	2.63773 AU
	9604 Jun 01 12:29	0° G				9608 Dec 26 07:07	0° B	
asc. node	9604 Jun 15 15:53	11° G 11'29		morning rise		9609 Jan 09 21:56	9° B 20'01	
	9604 Jul 09 09:14	0° Ω				9609 Feb 11 15:48	0° \approx	
				desc. node		9609 Feb 20 20:11	5° \approx 44'34	
conjunction	9604 Aug 03 00:27	19° Ω 24'41	0°33'26			9609 Apr 01 00:53	0° H	
minimum elong	9604 Aug 02 21:12	19° Ω 18'20	0°33'08			9609 May 20 19:38	0° Υ	
	9604 Aug 16 14:31	0° M				9609 Jul 13 04:26	0° B	
max. Earth dist.	9604 Sep 24 23:13	29° M 57'47	2.40318 AU	retrograde		9609 Oct 06 07:04	28° B 53'19	
	9604 Sep 25 00:24	0° L		opposition		9609 Nov 07 11:44	22° B 55'05	-5°09'05
morning rise	9604 Oct 11 08:35	12° L 03'28		greatest brilliancy		9609 Nov 09 03:29	22° B 23'49	-2.5m
	9604 Nov 05 07:37	0° M		min. Earth dist.		9609 Nov 15 16:33	20° B 21'07	0.42860 AU
	9604 Dec 19 01:10	0° A		direct		9609 Dec 12 10:34	15° B 44'13	
	9605 Feb 03 20:24	0° B				9610 Jan 30 10:17	0° II	
	9605 Mar 27 12:48	0° \approx		asc. node		9610 Feb 05 21:37	3° II 24'27	
desc. node	9605 May 19 05:59	24° \approx 18'12				9610 Mar 20 10:19	0° G	

	9610 May 01 20:35	0°♈		morning rise	9615 May 01 02:51	29°♑29'08	
	9610 Jun 12 10:59	0°♍			9615 May 01 20:07	0°♉	
	9610 Jul 24 21:43	0°♊			9615 Jun 11 21:36	0°♈	
	9610 Sep 06 20:47	0°♎			9615 Jul 21 12:57	0°♎	
	9610 Oct 22 09:17	0°♌			9615 Aug 29 09:35	0°♈	
evening set	9610 Nov 16 01:43	15°♌55'40		asc. node	9615 Sep 28 16:59	23°♈23'29	
	9610 Dec 08 02:04	0°♉			9615 Oct 07 08:24	0°♍	
					9615 Nov 16 14:25	0°♊	
conjunction	9610 Dec 31 23:50	15°♉11'54	0°04'04		9615 Dec 30 04:48	0°♎	
minimum elong	9610 Dec 31 23:59	15°♉12'07	0°04'25		9616 Feb 22 00:59	0°♌	
behind sun begin	9610 Dec 31 05:56	14°♉43'30		retrograde	9616 Apr 07 03:24	11°♌15'53	
behind sun end	9611 Jan 01 18:01	15°♉40'44		min. Earth dist.	9616 May 11 19:28	3°♌24'16	0.60892 AU
max. Earth dist.	9611 Jan 02 18:54	16°♉20'14	2.68037 AU	greatest brilliancy	9616 May 16 09:58	1°♌35'07	-1.6m
desc. node	9611 Jan 08 15:30	20°♉03'18		opposition	9616 May 17 01:23	1°♌19'53	3°35'35
	9611 Jan 24 07:49	0°♎			9616 May 20 11:14	30°♎	
morning rise	9611 Feb 13 17:17	12°♎56'55		direct	9616 Jun 23 23:06	22°♎35'22	
	9611 Mar 12 11:48	0°♎			9616 Aug 01 10:33	0°♌	
	9611 Apr 28 05:12	0°♑		desc. node	9616 Aug 30 19:32	11°♌57'47	
	9611 Jun 13 10:15	0°♉			9616 Oct 05 15:34	0°♉	
	9611 Jul 29 08:56	0°♈			9616 Nov 27 03:43	0°♎	
	9611 Sep 14 00:27	0°♎			9617 Jan 14 07:33	0°♎	
	9611 Nov 05 01:09	0°♈			9617 Feb 28 08:28	0°♑	
asc. node	9611 Dec 24 22:04	14°♈48'13		evening set	9617 Mar 07 04:04	4°♑42'27	
retrograde	9611 Dec 26 08:32	14°♈49'05		max. Earth dist.	9617 Mar 21 07:43	14°♑37'05	2.48599 AU
min. Earth dist.	9612 Jan 22 12:19	10°♈24'55	0.37041 AU		9617 Apr 11 18:34	0°♉	
opposition	9612 Jan 26 02:47	9°♈25'28	2°26'30				
greatest brilliancy	9612 Jan 25 16:53	9°♈32'17	-3.0m	conjunction	9617 Apr 28 08:22	12°♉10'02	-1°01'19
direct	9612 Feb 24 10:23	4°♈29'21		minimum elong	9617 Apr 28 09:56	12°♉12'57	1°01'32
	9612 May 07 17:04	0°♍			9617 May 22 02:26	0°♈	
	9612 Jun 27 10:56	0°♊		morning rise	9617 Jun 28 07:41	28°♈42'27	
	9612 Aug 14 14:04	0°♎			9617 Jun 29 23:24	0°♎	
	9612 Oct 01 12:58	0°♌			9617 Aug 07 03:55	0°♈	
	9612 Nov 18 14:03	0°♉		asc. node	9617 Aug 15 11:19	6°♈31'59	
desc. node	9612 Nov 25 14:04	4°♉22'49		greatest brilliancy	9617 Sep 07 18:39	24°♈46'12	1.2m
evening set	9612 Dec 21 19:39	20°♉51'05			9617 Sep 14 12:21	0°♍	
	9613 Jan 05 07:14	0°♎			9617 Oct 23 22:46	0°♊	
max. Earth dist.	9613 Jan 24 00:12	11°♎54'07	2.66767 AU		9617 Dec 04 12:26	0°♎	
					9618 Jan 18 18:10	0°♌	
conjunction	9613 Feb 04 04:43	19°♎04'15	-0°35'31		9618 Mar 13 08:20	0°♉	
minimum elong	9613 Feb 04 03:46	19°♎02'44	0°35'16	retrograde	9618 May 12 08:44	16°♉57'33	
	9613 Feb 21 02:40	0°♎		min. Earth dist.	9618 Jun 20 11:22	7°♉39'39	0.67415 AU
morning rise	9613 Mar 20 04:32	17°♎44'43		opposition	9618 Jun 21 23:03	7°♉04'08	0°56'05
	9613 Apr 07 14:08	0°♑		greatest brilliancy	9618 Jun 21 22:05	7°♉05'05	-1.3m
	9613 May 21 13:02	0°♉			9618 Jul 12 09:53	30°♎	
	9613 Jul 03 00:14	0°♈		desc. node	9618 Jul 18 21:31	28°♌36'40	
	9613 Aug 13 05:37	0°♎		direct	9618 Aug 01 10:52	27°♌27'25	
	9613 Sep 22 19:47	0°♈			9618 Aug 23 02:06	0°♉	
	9613 Nov 03 01:43	0°♍			9618 Nov 03 15:21	0°♎	
asc. node	9613 Nov 10 20:09	5°♍27'28			9618 Dec 25 04:26	0°♎	
	9613 Dec 18 08:32	0°♊			9619 Feb 09 03:03	0°♑	
retrograde	9614 Feb 24 23:45	25°♊07'15			9619 Mar 23 13:39	0°♉	
min. Earth dist.	9614 Mar 25 18:30	19°♊21'50	0.48659 AU	evening set	9619 Apr 28 18:17	27°♉04'46	
greatest brilliancy	9614 Apr 01 10:08	16°♊57'02	-2.2m		9619 May 02 13:48	0°♈	
opposition	9614 Apr 03 00:48	16°♊21'43	5°36'50		9619 Jun 10 01:33	0°♎	
direct	9614 May 06 17:54	9°♊14'03		max. Earth dist.	9619 Jul 01 07:28	16°♎48'32	2.36494 AU
	9614 Jul 14 09:30	0°♎		asc. node	9619 Jul 03 08:10	18°♎25'06	
	9614 Sep 08 14:49	0°♌					
desc. node	9614 Oct 13 16:25	20°♌21'55		conjunction	9619 Jul 04 03:36	19°♎03'35	0°00'36
	9614 Oct 29 20:35	0°♉		minimum elong	9619 Jul 04 03:31	19°♎03'25	0°00'14
	9614 Dec 17 21:22	0°♎		behind sun begin	9619 Jul 02 21:30	18°♎03'57	
evening set	9615 Jan 26 20:03	25°♎22'49		behind sun end	9619 Jul 05 09:31	20°♎02'53	
	9615 Feb 02 22:47	0°♎			9619 Jul 17 22:55	0°♈	
max. Earth dist.	9615 Feb 17 16:26	9°♎40'22	2.60115 AU		9619 Aug 25 03:31	0°♍	
				morning rise	9619 Sep 15 12:07	16°♍26'09	
conjunction	9615 Mar 13 17:52	25°♎47'19	-1°03'31		9619 Oct 03 11:36	0°♊	
minimum elong	9615 Mar 13 16:59	25°♎45'49	1°03'28		9619 Nov 13 17:27	0°♎	
	9615 Mar 19 22:20	0°♑			9619 Dec 27 13:56	0°♌	

	9620 Feb 13 02:31	0°♄			9625 May 12 13:31	0°♏	
	9620 Apr 08 00:24	0°♊			9625 Jun 21 20:10	0°♎	
desc. node	9620 Jun 04 20:45	19°♊05'59			9625 Aug 02 07:31	0°♎	
retrograde	9620 Jun 14 17:20	19°♊40'11			9625 Sep 14 12:25	0°♎	
opposition	9620 Jul 24 16:21	10°♊17'40	-1°41'40		9625 Oct 29 11:42	0°♊	
greatest brilliancy	9620 Jul 24 18:54	10°♊15'09	-1.3m	evening set	9625 Oct 31 10:38	1°♊16'52	
min. Earth dist.	9620 Jul 26 23:40	9°♊23'15	0.67412 AU		9625 Dec 14 20:48	0°♄	
direct	9620 Sep 04 06:11	0°♊16'23					
	9620 Nov 29 14:15	0°♋		conjunction	9625 Dec 17 20:55	1°♄55'17	0°20'00
	9621 Jan 17 23:13	0°♋		minimum elong	9625 Dec 17 21:34	1°♄56'19	0°20'21
	9621 Mar 02 07:45	0°♌		max. Earth dist.	9625 Dec 24 21:54	6°♄25'01	2.67010 AU
	9621 Apr 11 12:05	0°♌		desc. node	9626 Jan 25 06:31	26°♄19'57	
	9621 May 19 23:16	0°♍		morning rise	9626 Jan 31 08:34	0°♊10'59	
asc. node	9621 May 20 08:58	0°♍19'08			9626 Jan 31 01:37	0°♊	
	9621 Jun 26 20:53	0°♏			9626 Mar 19 13:40	0°♋	
greatest brilliancy	9621 Jun 29 11:43	2°♏04'04	1.2m		9626 May 06 03:39	0°♋	
evening set	9621 Jul 09 16:17	10°♏05'55			9626 Jun 23 01:08	0°♌	
	9621 Aug 04 04:39	0°♎			9626 Aug 11 08:36	0°♌	
	9621 Sep 12 18:31	0°♎			9626 Oct 06 14:02	0°♍	
				retrograde	9626 Nov 24 06:43	12°♍30'58	
conjunction	9621 Sep 15 23:05	2°♎21'47	1°03'21	opposition	9626 Dec 23 23:54	7°♍36'23	-1°21'44
minimum elong	9621 Sep 15 21:27	2°♎18'45	1°03'21	greatest brilliancy	9626 Dec 24 04:54	7°♍33'03	-3.0m
	9621 Oct 24 05:30	0°♎		min. Earth dist.	9626 Dec 26 08:09	6°♍59'00	0.36902 AU
max. Earth dist.	9621 Oct 30 10:40	4°♎21'58	2.48985 AU	asc. node	9627 Jan 10 14:28	3°♍31'08	
morning rise	9621 Nov 14 12:21	14°♎48'57		direct	9627 Jan 23 01:51	2°♍28'33	
	9621 Dec 06 22:18	0°♊			9627 Apr 07 09:53	0°♏	
	9622 Jan 22 02:21	0°♄			9627 May 25 01:15	0°♎	
	9622 Mar 12 06:12	0°♊			9627 Jul 09 13:31	0°♎	
desc. node	9622 Apr 22 16:35	23°♊09'02			9627 Aug 24 10:06	0°♎	
	9622 May 06 02:34	0°♋			9627 Oct 10 03:47	0°♊	
retrograde	9622 Jul 23 04:57	24°♋16'39			9627 Nov 26 13:16	0°♄	
opposition	9622 Aug 30 05:08	15°♋48'57	-4°08'08	evening set	9627 Dec 08 20:38	7°♄46'05	
greatest brilliancy	9622 Aug 31 01:00	15°♋30'00	-1.6m	desc. node	9627 Dec 13 03:47	10°♄28'50	
min. Earth dist.	9622 Sep 05 06:12	13°♋30'53	0.60806 AU		9628 Jan 13 00:12	0°♊	
direct	9622 Oct 10 04:10	5°♋56'42		max. Earth dist.	9628 Jan 16 09:21	2°♊08'48	2.67912 AU
	9622 Dec 21 03:48	0°♋					
	9623 Feb 07 00:23	0°♌		conjunction	9628 Jan 22 11:57	6°♊01'49	-0°20'55
	9623 Mar 20 13:55	0°♌		minimum elong	9628 Jan 22 11:20	6°♊00'52	0°20'37
asc. node	9623 Apr 07 10:34	13°♌34'20			9628 Feb 28 21:21	0°♋	
	9623 Apr 28 15:47	0°♍		morning rise	9628 Mar 06 00:16	3°♋57'44	
	9623 Jun 06 00:22	0°♏			9628 Apr 14 17:55	0°♋	
	9623 Jul 14 20:23	0°♎			9628 May 29 09:01	0°♌	
	9623 Aug 24 00:29	0°♎			9628 Jul 11 19:07	0°♌	
evening set	9623 Sep 14 18:16	15°♎41'27			9628 Aug 23 05:51	0°♍	
	9623 Oct 05 01:42	0°♎			9628 Oct 04 12:14	0°♏	
					9628 Nov 17 22:30	0°♎	
conjunction	9623 Nov 08 12:07	23°♎32'37	0°55'52	asc. node	9628 Nov 27 13:44	5°♎56'57	
minimum elong	9623 Nov 08 13:30	23°♎34'56	0°56'08		9629 Jan 21 00:20	0°♎	
	9623 Nov 18 03:51	0°♊		retrograde	9629 Feb 04 08:23	1°♎27'43	
max. Earth dist.	9623 Dec 01 15:48	8°♊55'36	2.60582 AU		9629 Feb 18 08:46	30°♎♎	
morning rise	9623 Dec 27 11:56	25°♊44'08		min. Earth dist.	9629 Mar 02 21:28	26°♎37'03	0.43187 AU
	9624 Jan 03 03:18	0°♄		greatest brilliancy	9629 Mar 09 13:12	24°♎25'01	-2.5m
	9624 Feb 19 17:29	0°♊		opposition	9629 Mar 11 04:37	23°♎52'03	5°32'18
desc. node	9624 Mar 09 11:00	11°♊32'30		direct	9629 Apr 11 22:26	17°♎39'37	
	9624 Apr 09 00:05	0°♋			9629 May 30 22:08	0°♎	
	9624 May 31 07:01	0°♋			9629 Jul 28 10:19	0°♎	
	9624 Aug 03 12:47	0°♌			9629 Sep 17 19:56	0°♊	
retrograde	9624 Sep 10 10:45	7°♌20'04		desc. node	9629 Oct 30 04:26	25°♊33'41	
opposition	9624 Oct 14 18:19	0°♌28'55	-5°36'16		9629 Nov 06 10:48	0°♄	
	9624 Oct 16 04:00	30°♌♎			9629 Dec 24 20:07	0°♊	
greatest brilliancy	9624 Oct 16 12:54	29°♎52'20	-2.2m	evening set	9630 Jan 12 14:27	11°♊52'34	
min. Earth dist.	9624 Oct 23 12:52	27°♎29'13	0.48350 AU	max. Earth dist.	9630 Feb 07 12:22	28°♊33'03	2.63346 AU
direct	9624 Nov 21 07:26	22°♎04'38			9630 Feb 09 17:48	0°♋	
	9624 Dec 27 03:08	0°♌					
	9625 Feb 18 21:37	0°♌		conjunction	9630 Feb 26 11:48	10°♋59'27	-0°54'56
asc. node	9625 Feb 22 12:10	2°♌24'47		minimum elong	9630 Feb 26 10:41	10°♋57'36	0°54'47
	9625 Apr 02 08:42	0°♍			9630 Mar 26 20:48	0°♋	

morning rise	9630 Apr 13 11:48	12° Υ 04'23		opposition	9635 Jul 12 12:50	27° \mathfrak{Z} 34'51	-0°41'31
	9630 May 09 02:41	0° \mathfrak{B}		greatest brilliancy	9635 Jul 12 13:00	27° \mathfrak{Z} 34'41	-1.3m
	9630 Jun 19 14:53	0° Π		min. Earth dist.	9635 Jul 13 08:32	27° \mathfrak{Z} 15'22	0.68199 AU
	9630 Jul 29 17:37	0° \mathfrak{G}		direct	9635 Aug 22 21:03	17° \mathfrak{Z} 40'02	
	9630 Sep 07 01:19	0° Ω			9635 Oct 13 07:20	0° \approx	
asc. node	9630 Oct 15 09:47	29° Ω 09'55			9635 Dec 10 18:53	0° \mathfrak{H}	
	9630 Oct 16 12:28	0° \mathfrak{M}			9636 Jan 27 06:53	0° Υ	
	9630 Nov 26 15:16	0° $\underline{\Omega}$			9636 Mar 10 03:29	0° \mathfrak{B}	
	9631 Jan 11 19:54	0° \mathfrak{M}			9636 Apr 19 04:52	0° Π	
retrograde	9631 Mar 24 00:39	25° \mathfrak{M} 21'42			9636 May 27 15:27	0° \mathfrak{G}	
min. Earth dist.	9631 Apr 25 13:15	18° \mathfrak{M} 14'25	0.56674 AU	asc. node	9636 Jun 06 00:00	7° \mathfrak{G} 24'05	
greatest brilliancy	9631 May 01 03:44	16° \mathfrak{M} 03'52	-1.8m	evening set	9636 Jun 09 11:12	10° \mathfrak{G} 08'51	
opposition	9631 May 02 04:33	15° \mathfrak{M} 39'45	4°32'53		9636 Jul 04 12:11	0° Ω	
direct	9631 Jun 07 15:30	7° \mathfrak{M} 26'20			9636 Aug 11 17:52	0° \mathfrak{M}	
	9631 Aug 20 15:56	0° \mathfrak{Z}					
desc. node	9631 Sep 17 07:32	14° \mathfrak{Z} 06'47		conjunction	9636 Aug 19 19:41	6° \mathfrak{M} 14'13	0°48'09
	9631 Oct 16 00:57	0° \mathfrak{Z}		minimum elong	9636 Aug 19 16:14	6° \mathfrak{M} 07'34	0°47'56
	9631 Dec 05 18:19	0° \approx			9636 Sep 20 04:27	0° $\underline{\Omega}$	
	9632 Jan 22 09:08	0° \mathfrak{H}		max. Earth dist.	9636 Oct 11 03:38	15° $\underline{\Omega}$ 25'12	2.43419 AU
evening set	9632 Feb 19 12:45	18° \mathfrak{H} 34'48		morning rise	9636 Oct 24 15:47	25° $\underline{\Omega}$ 08'37	
max. Earth dist.	9632 Mar 06 21:05	29° \mathfrak{H} 40'23	2.53623 AU		9636 Oct 31 11:51	0° \mathfrak{M}	
	9632 Mar 07 08:32	0° Υ			9636 Dec 14 03:37	0° \mathfrak{Z}	
					9637 Jan 29 14:35	0° \approx	
conjunction	9632 Apr 08 10:29	22° Υ 27'24	-1°07'39		9637 Mar 21 01:19	0° \approx	
minimum elong	9632 Apr 08 10:48	22° Υ 27'57	1°07'46	desc. node	9637 May 09 07:29	25° \approx 01'27	
	9632 Apr 18 22:27	0° \mathfrak{B}			9637 May 21 08:27	0° \mathfrak{H}	
	9632 May 29 12:20	0° Π		retrograde	9637 Jul 07 08:49	10° \mathfrak{H} 27'31	
morning rise	9632 Jun 02 02:55	2° Π 43'39		opposition	9637 Aug 15 07:41	1° \mathfrak{H} 34'46	-3°13'55
	9632 Jul 07 15:21	0° \mathfrak{G}		greatest brilliancy	9637 Aug 15 19:02	1° \mathfrak{H} 23'46	-1.4m
	9632 Aug 15 00:36	0° Ω			9637 Aug 19 09:31	30° \mathfrak{R} \approx	
asc. node	9632 Sep 01 06:15	13° Ω 29'06		min. Earth dist.	9637 Aug 19 22:09	29° \approx 47'51	0.64165 AU
	9632 Sep 22 12:30	0° \mathfrak{M}		direct	9637 Sep 25 18:29	21° \approx 33'21	
	9632 Nov 01 02:45	0° $\underline{\Omega}$			9637 Nov 04 20:19	0° \mathfrak{H}	
	9632 Dec 13 01:54	0° \mathfrak{M}			9638 Jan 02 06:49	0° Υ	
	9633 Jan 28 18:03	0° \mathfrak{Z}			9638 Feb 16 11:18	0° \mathfrak{B}	
	9633 Apr 03 00:09	0° \mathfrak{Z}			9638 Mar 29 06:02	0° Π	
retrograde	9633 Apr 29 01:20	3° \mathfrak{Z} 57'17		asc. node	9638 Apr 24 01:41	19° Π 53'57	
	9633 May 23 09:02	30° \mathfrak{R} \mathfrak{Z}			9638 May 06 23:27	0° \mathfrak{G}	
min. Earth dist.	9633 Jun 05 14:38	25° \mathfrak{Z} 09'13	0.65631 AU		9638 Jun 14 01:44	0° Ω	
opposition	9633 Jun 08 13:51	23° \mathfrak{Z} 58'17	1°58'13		9638 Jul 22 15:14	0° \mathfrak{M}	
greatest brilliancy	9633 Jun 08 09:12	24° \mathfrak{Z} 02'55	-1.4m	evening set	9638 Aug 22 09:28	23° \mathfrak{M} 15'14	
direct	9633 Jul 18 06:13	14° \mathfrak{Z} 38'10			9638 Aug 31 12:13	0° $\underline{\Omega}$	
desc. node	9633 Aug 04 10:00	16° \mathfrak{Z} 16'55			9638 Oct 12 06:17	0° \mathfrak{M}	
	9633 Sep 15 10:50	0° \mathfrak{Z}					
	9633 Nov 13 05:02	0° \approx		conjunction	9638 Oct 20 21:04	6° \mathfrak{M} 00'27	1°04'20
	9634 Jan 01 23:39	0° \mathfrak{H}		minimum elong	9638 Oct 20 21:59	6° \mathfrak{M} 02'03	1°04'31
	9634 Feb 16 11:13	0° Υ		max. Earth dist.	9638 Nov 20 16:39	27° \mathfrak{M} 01'39	2.56626 AU
	9634 Mar 30 20:43	0° \mathfrak{B}			9638 Nov 25 03:14	0° \mathfrak{Z}	
evening set	9634 Apr 06 00:50	4° \mathfrak{B} 31'12		morning rise	9638 Dec 12 00:53	11° \mathfrak{Z} 11'23	
max. Earth dist.	9634 Apr 24 05:39	18° \mathfrak{B} 03'37	2.40361 AU		9639 Jan 10 02:03	0° \mathfrak{Z}	
	9634 May 09 23:26	0° Π			9639 Feb 27 01:39	0° \approx	
				desc. node	9639 Mar 27 03:07	16° \approx 53'02	
conjunction	9634 Jun 05 01:06	20° Π 09'45	-0°31'17		9639 Apr 18 16:35	0° \mathfrak{H}	
minimum elong	9634 Jun 05 03:40	20° Π 14'45	0°31'36		9639 Jun 14 16:28	0° Υ	
	9634 Jun 17 14:20	0° \mathfrak{G}		retrograde	9639 Aug 20 16:39	19° Υ 06'24	
asc. node	9634 Jul 20 02:17	25° \mathfrak{G} 40'02		opposition	9639 Sep 25 17:26	11° Υ 30'26	-5°17'15
	9634 Jul 25 13:46	0° Ω		greatest brilliancy	9639 Sep 27 04:45	10° Υ 58'18	-1.9m
morning rise	9634 Aug 15 13:58	16° Ω 33'37		min. Earth dist.	9639 Oct 03 18:29	8° Υ 35'40	0.53774 AU
	9634 Sep 01 18:50	0° \mathfrak{M}		direct	9639 Nov 04 02:02	2° Υ 16'42	
	9634 Oct 11 02:13	0° $\underline{\Omega}$			9640 Jan 18 12:38	0° \mathfrak{B}	
	9634 Nov 21 08:10	0° \mathfrak{M}			9640 Mar 03 11:43	0° Π	
	9635 Jan 04 11:07	0° \mathfrak{Z}		asc. node	9640 Mar 11 04:17	5° Π 33'43	
	9635 Feb 22 05:01	0° \mathfrak{Z}			9640 Apr 12 20:56	0° \mathfrak{G}	
	9635 Apr 25 18:15	0° \approx			9640 May 22 00:25	0° Ω	
retrograde	9635 Jun 02 04:11	7° \approx 12'08			9640 Jun 30 12:22	0° \mathfrak{M}	
desc. node	9635 Jun 22 10:02	4° \approx 33'33			9640 Aug 10 07:46	0° $\underline{\Omega}$	
	9635 Jul 06 08:12	30° \mathfrak{R} \mathfrak{Z}			9640 Sep 21 22:57	0° \mathfrak{M}	

evening set	9640 Oct 14 12:01	15° \mathbb{M} 20'17			9645 Jun 27 15:19	0° \mathbb{I}
	9640 Nov 05 11:56	0° \mathbb{X}			9645 Aug 07 10:08	0° \mathbb{G}
					9645 Sep 16 10:54	0° \mathcal{O}
conjunction	9640 Dec 03 02:02	18° \mathbb{X} 02'22	0°35'17		9645 Oct 26 19:54	0° \mathbb{M}
minimum elong	9640 Dec 03 03:08	18° \mathbb{X} 04'09	0°35'38	asc. node	9645 Nov 01 05:29	3° \mathbb{M} 55'28
max. Earth dist.	9640 Dec 15 21:49	26° \mathbb{X} 19'02	2.65156 AU		9645 Dec 08 19:00	0° \mathcal{U}
	9640 Dec 21 15:29	0° \mathbb{Z}			9646 Feb 01 15:32	0° \mathbb{M}
morning rise	9641 Jan 17 19:49	17° \mathbb{Z} 19'12		retrograde	9646 Mar 07 08:38	7° \mathbb{M} 12'36
	9641 Feb 06 21:45	0° \approx		min. Earth dist.	9646 Apr 06 12:01	0° \mathbb{M} 56'56
desc. node	9641 Feb 10 21:30	2° \approx 30'34			9646 Apr 09 01:23	30° \mathbb{R} \mathcal{U}
	9641 Mar 26 21:41	0° \mathbb{X}		greatest brilliancy	9646 Apr 12 21:13	28° \mathcal{U} 33'24
	9641 May 14 16:59	0° \mathbb{Y}		opposition	9646 Apr 14 07:48	28° \mathcal{U} 00'53
	9641 Jul 04 09:06	0° \mathbb{X}		direct	9646 May 19 01:19	20° \mathcal{U} 27'21
	9641 Aug 31 05:36	0° \mathbb{I}			9646 Jul 01 12:26	0° \mathbb{M}
retrograde	9641 Oct 22 20:43	13° \mathbb{I} 33'29			9646 Sep 01 20:07	0° \mathbb{X}
opposition	9641 Nov 22 23:13	8° \mathbb{I} 04'50	-4°16'57	desc. node	9646 Oct 03 19:16	17° \mathbb{X} 57'00
greatest brilliancy	9641 Nov 24 05:09	7° \mathbb{I} 42'38	-2.7m		9646 Oct 24 11:05	0° \mathbb{Z}
min. Earth dist.	9641 Nov 29 19:34	6° \mathbb{I} 03'50	0.40124 AU		9646 Dec 13 00:35	0° \approx
direct	9641 Dec 26 02:29	1° \mathbb{I} 42'44			9647 Jan 29 06:45	0° \mathbb{X}
asc. node	9642 Jan 27 05:19	8° \mathbb{I} 23'05		evening set	9647 Feb 04 05:02	3° \mathbb{X} 52'08
	9642 Mar 09 20:30	0° \mathbb{G}		max. Earth dist.	9647 Feb 23 20:56	16° \mathbb{X} 52'45
	9642 Apr 24 02:20	0° \mathcal{O}			9647 Mar 15 06:30	0° \mathbb{Y}
	9642 Jun 05 22:47	0° \mathbb{M}				
	9642 Jul 19 04:10	0° \mathcal{U}		conjunction	9647 Mar 22 22:53	5° \mathbb{Y} 16'37
	9642 Sep 01 15:37	0° \mathbb{M}		minimum elong	9647 Mar 22 22:18	5° \mathbb{Y} 15'38
	9642 Oct 17 12:29	0° \mathbb{X}			9647 Apr 27 01:44	0° \mathbb{X}
evening set	9642 Nov 24 12:36	24° \mathbb{X} 20'43		morning rise	9647 May 12 03:33	10° \mathbb{X} 54'48
	9642 Dec 03 10:00	0° \mathbb{Z}			9647 Jun 06 23:08	0° \mathbb{I}
desc. node	9642 Dec 29 17:43	16° \mathbb{Z} 42'05			9647 Jul 16 10:03	0° \mathbb{G}
					9647 Aug 24 02:11	0° \mathcal{O}
conjunction	9643 Jan 08 20:13	23° \mathbb{Z} 06'27	-0°05'21	asc. node	9647 Sep 19 00:05	20° \mathcal{O} 06'56
minimum elong	9643 Jan 08 20:05	23° \mathbb{Z} 06'14	0°05'00		9647 Oct 01 20:10	0° \mathbb{M}
behind sun begin	9643 Jan 08 02:22	22° \mathbb{Z} 38'09			9647 Nov 10 18:23	0° \mathcal{U}
behind sun end	9643 Jan 09 13:47	23° \mathbb{Z} 34'18			9647 Dec 23 12:22	0° \mathbb{M}
max. Earth dist.	9643 Jan 07 19:58	22° \mathbb{Z} 28'00	2.68235 AU		9648 Feb 11 06:02	0° \mathbb{X}
	9643 Jan 19 16:55	0° \approx		retrograde	9648 Apr 15 07:04	20° \mathbb{X} 07'31
morning rise	9643 Feb 21 08:36	20° \approx 47'06		min. Earth dist.	9648 May 21 01:11	11° \mathbb{X} 54'31
	9643 Mar 07 18:06	0° \mathbb{X}		opposition	9648 May 25 12:01	10° \mathbb{X} 08'34
	9643 Apr 23 03:14	0° \mathbb{Y}		greatest brilliancy	9648 May 25 01:08	10° \mathbb{X} 19'22
	9643 Jun 07 16:43	0° \mathbb{X}		direct	9648 Jul 03 02:50	1° \mathbb{X} 09'54
	9643 Jul 22 12:41	0° \mathbb{I}		desc. node	9648 Aug 20 22:22	12° \mathbb{X} 19'06
	9643 Sep 05 02:11	0° \mathbb{G}			9648 Sep 28 13:56	0° \mathbb{Z}
	9643 Oct 21 04:47	0° \mathcal{O}			9648 Nov 21 17:47	0° \approx
asc. node	9643 Dec 15 06:59	28° \mathcal{O} 10'26			9649 Jan 09 10:13	0° \mathbb{X}
	9643 Dec 21 05:04	0° \mathbb{M}			9649 Feb 23 15:13	0° \mathbb{Y}
retrograde	9644 Jan 11 14:31	3° \mathbb{M} 06'14		evening set	9649 Mar 17 07:51	15° \mathbb{Y} 07'08
	9644 Feb 02 04:57	30° \mathbb{R} \mathcal{O}		max. Earth dist.	9649 Mar 31 05:22	25° \mathbb{Y} 02'38
min. Earth dist.	9644 Feb 06 12:12	28° \mathcal{O} 48'49	0.38583 AU		9649 Apr 07 01:34	0° \mathbb{X}
opposition	9644 Feb 12 17:14	27° \mathcal{O} 00'07	4°06'27			
greatest brilliancy	9644 Feb 11 16:51	27° \mathcal{O} 17'59	-2.9m	conjunction	9649 May 10 20:58	25° \mathbb{X} 06'09
direct	9644 Mar 13 11:32	21° \mathcal{O} 44'11		minimum elong	9649 May 10 23:16	25° \mathbb{X} 10'29
	9644 Apr 20 16:28	0° \mathbb{M}			9649 May 17 07:51	0° \mathbb{I}
	9644 Jun 19 00:39	0° \mathcal{U}			9649 Jun 25 02:40	0° \mathbb{G}
	9644 Aug 08 06:57	0° \mathbb{M}		morning rise	9649 Jul 14 21:33	15° \mathbb{G} 33'21
	9644 Sep 26 04:39	0° \mathbb{X}			9649 Aug 02 04:59	0° \mathcal{O}
	9644 Nov 13 17:09	0° \mathbb{Z}		asc. node	9649 Aug 05 19:25	2° \mathcal{O} 50'23
desc. node	9644 Nov 15 17:08	1° \mathbb{Z} 14'30			9649 Sep 09 11:31	0° \mathbb{M}
evening set	9644 Dec 29 17:31	28° \mathbb{Z} 47'32			9649 Oct 18 19:50	0° \mathcal{U}
	9644 Dec 31 15:24	0° \approx			9649 Nov 29 04:43	0° \mathbb{M}
max. Earth dist.	9645 Jan 29 04:46	18° \approx 11'15	2.65782 AU		9650 Jan 12 20:35	0° \mathbb{X}
					9650 Mar 04 21:12	0° \mathbb{Z}
conjunction	9645 Feb 12 03:27	27° \approx 10'58	-0°43'19	retrograde	9650 May 19 21:55	24° \mathbb{Z} 42'40
minimum elong	9645 Feb 12 02:23	27° \approx 09'14	0°43'06	opposition	9650 Jun 29 11:52	14° \mathbb{Z} 54'03
	9645 Feb 16 11:35	0° \mathbb{X}		greatest brilliancy	9650 Jun 29 11:50	14° \mathbb{Z} 54'06
morning rise	9645 Mar 28 15:29	26° \mathbb{X} 30'46		min. Earth dist.	9650 Jun 28 19:50	15° \mathbb{Z} 09'59
	9645 Apr 02 20:01	0° \mathbb{Y}		desc. node	9650 Jul 09 00:20	11° \mathbb{Z} 14'14
	9645 May 16 12:47	0° \mathbb{X}		direct	9650 Aug 09 08:47	5° \mathbb{Z} 09'53

	9650 Oct 27 08:32	0°♊		minimum elong	9655 Nov 18 06:38	3°♊11'21	0°49'22
	9650 Dec 19 16:09	0°♋		max. Earth dist.	9655 Dec 07 11:59	15°♊48'24	2.62459 AU
	9651 Feb 04 02:47	0°♌			9655 Dec 29 10:58	0°♋	
	9651 Mar 18 17:12	0°♍		morning rise	9656 Jan 04 19:53	4°♋04'43	
evening set	9651 Apr 27 18:12	0°♎			9656 Feb 14 21:02	0°♌	
	9651 May 13 02:51	11°♎52'16		desc. node	9656 Feb 28 13:08	8°♌30'21	
	9651 Jun 05 05:47	0°♏			9656 Apr 03 13:59	0°♍	
asc. node	9651 Jun 23 17:34	14°♏38'00			9656 May 24 06:07	0°♌	
	9651 Jul 13 02:43	0°♐			9656 Jul 19 14:21	0°♍	
				retrograde	9656 Sep 24 10:14	19°♍28'01	
conjunction	9651 Jul 21 10:51	6°♐35'50	0°19'52	opposition	9656 Oct 27 14:00	13°♍05'23	-5°28'15
minimum elong	9651 Jul 21 08:42	6°♐31'34	0°19'31	greatest brilliancy	9656 Oct 29 08:54	12°♍30'07	-2.4m
	9651 Aug 20 07:04	0°♑		min. Earth dist.	9656 Nov 05 06:20	10°♍15'05	0.45280 AU
max. Earth dist.	9651 Sep 07 00:42	13°♑40'14	2.38033 AU	direct	9656 Dec 02 19:56	5°♍18'27	
	9651 Sep 28 15:06	0°♒			9657 Feb 08 19:28	0°♎	
morning rise	9651 Oct 01 03:27	1°♒52'34		asc. node	9657 Feb 12 22:32	2°♎30'33	
	9651 Nov 08 20:03	0°♓			9657 Mar 25 21:39	0°♏	
	9651 Dec 22 12:55	0°♊			9657 May 06 03:03	0°♐	
	9652 Feb 07 12:23	0°♋			9657 Jun 16 00:12	0°♑	
	9652 Mar 31 03:55	0°♌			9657 Jul 27 22:21	0°♒	
desc. node	9652 May 25 22:54	23°♌19'03			9657 Sep 09 11:21	0°♓	
retrograde	9652 Jun 22 17:04	27°♌24'28			9657 Oct 24 16:41	0°♊	
opposition	9652 Aug 01 09:06	18°♌11'24	-2°16'18	evening set	9657 Nov 09 12:05	10°♊16'19	
greatest brilliancy	9652 Aug 01 14:08	18°♌06'28	-1.3m		9657 Dec 10 05:07	0°♋	
min. Earth dist.	9652 Aug 04 12:13	16°♌57'54	0.66526 AU				
direct	9652 Sep 11 23:57	8°♌08'33		conjunction	9657 Dec 26 00:18	10°♋04'07	0°10'41
	9652 Nov 21 18:23	0°♋		minimum elong	9657 Dec 26 00:39	10°♋04'40	0°11'03
	9653 Jan 12 03:36	0°♌		behind sun begin	9657 Dec 25 10:57	9°♋42'53	
	9653 Feb 25 01:01	0°♍		behind sun end	9657 Dec 26 14:22	10°♋26'27	
	9653 Apr 06 09:54	0°♎		max. Earth dist.	9657 Dec 30 01:24	12°♋38'29	2.67690 AU
asc. node	9653 May 10 16:53	26°♎38'45		desc. node	9658 Jan 15 07:54	22°♋58'10	
	9653 May 14 23:09	0°♏			9658 Jan 26 10:02	0°♌	
	9653 Jun 21 22:05	0°♐		morning rise	9658 Feb 08 00:16	7°♌58'47	
evening set	9653 Jul 26 07:33	26°♐55'01			9658 Mar 14 17:25	0°♍	
	9653 Jul 30 07:20	0°♑			9658 Apr 30 19:15	0°♌	
	9653 Sep 07 22:59	0°♒			9658 Jun 16 16:21	0°♍	
					9658 Aug 02 20:03	0°♎	
conjunction	9653 Sep 29 12:32	15°♒46'14	1°06'24		9658 Sep 21 02:00	0°♏	
minimum elong	9653 Sep 29 12:06	15°♒45'26	1°06'28		9658 Nov 30 11:58	0°♐	
	9653 Oct 19 11:22	0°♓		retrograde	9658 Dec 12 15:58	0°♑58'41	
max. Earth dist.	9653 Nov 07 20:24	13°♓29'29	2.51889 AU		9658 Dec 24 20:14	30°♒00	
morning rise	9653 Nov 25 00:58	25°♓12'15		asc. node	9658 Dec 31 23:38	28°♓38'03	
	9653 Dec 02 04:21	0°♊		opposition	9659 Jan 11 15:07	25°♓57'15	0°50'05
	9654 Jan 17 04:40	0°♋		min. Earth dist.	9659 Jan 10 15:19	26°♓13'07	0.36523 AU
	9654 Mar 06 19:04	0°♌		greatest brilliancy	9659 Jan 11 13:37	25°♓58'15	-3.1m
desc. node	9654 Apr 12 18:29	21°♌23'42		direct	9659 Feb 10 00:23	21°♓04'52	
	9654 Apr 28 14:08	0°♍			9659 Mar 20 19:46	0°♎	
	9654 Jul 08 20:31	0°♌			9659 May 15 23:29	0°♑	
retrograde	9654 Aug 01 20:52	3°♌06'32			9659 Jul 02 18:39	0°♒	
	9654 Aug 24 03:38	30°♒00			9659 Aug 18 17:19	0°♓	
opposition	9654 Sep 08 06:22	24°♒54'59	-4°36'34		9659 Oct 05 01:28	0°♊	
greatest brilliancy	9654 Sep 09 07:45	24°♒31'07	-1.7m		9659 Nov 21 18:48	0°♋	
min. Earth dist.	9654 Sep 15 02:12	22°♒21'15	0.58544 AU	desc. node	9659 Dec 03 05:32	7°♋11'30	
direct	9654 Oct 18 19:19	15°♒12'11		evening set	9659 Dec 16 21:07	15°♋46'56	
	9654 Dec 11 02:47	0°♌			9660 Jan 08 09:10	0°♍	
	9655 Jan 31 08:40	0°♍		max. Earth dist.	9660 Jan 21 10:58	8°♍18'27	2.67388 AU
	9655 Mar 14 17:36	0°♎					
asc. node	9655 Mar 28 19:15	10°♎33'06		conjunction	9660 Jan 30 07:31	13°♎57'34	-0°29'39
	9655 Apr 23 03:40	0°♏		minimum elong	9660 Jan 30 06:42	13°♎56'15	0°29'21
	9655 May 31 17:06	0°♐			9660 Feb 24 05:52	0°♋	
	9655 Jul 09 17:09	0°♑		morning rise	9660 Mar 14 00:31	12°♋13'50	
	9655 Aug 19 01:21	0°♒			9660 Apr 09 21:50	0°♌	
evening set	9655 Sep 26 15:06	27°♒28'30			9660 May 24 04:22	0°♍	
	9655 Sep 30 06:13	0°♓			9660 Jul 06 01:31	0°♎	
	9655 Nov 13 11:11	0°♊			9660 Aug 16 18:58	0°♏	
					9660 Sep 26 23:37	0°♐	
conjunction	9655 Nov 18 05:15	3°♊09'04	0°49'04		9660 Nov 08 05:08	0°♑	

asc. node	9660 Nov 17 21:55	6°♎33'39			9666 Feb 11 14:33	0°♑	
	9660 Dec 26 14:11	0°♊			9666 Mar 26 02:01	0°♉	
retrograde	9661 Feb 16 10:08	15°♊50'58		evening set	9666 Apr 18 10:41	17°♉18'16	
min. Earth dist.	9661 Mar 16 03:50	10°♊30'40	0.46184 AU		9666 May 05 04:10	0°♈	
greatest brilliancy	9661 Mar 22 21:43	8°♊08'48	-2.4m	max. Earth dist.	9666 May 18 03:07	9°♈58'44	2.37740 AU
opposition	9661 Mar 24 14:16	7°♊32'56	5°42'26		9666 Jun 12 17:49	0°♊	
direct	9661 Apr 26 09:53	0°♊48'55					
	9661 Jul 20 02:27	0°♋		conjunction	9666 Jun 21 00:51	6°♊32'27	-0°13'59
	9661 Sep 11 20:11	0°♌		minimum elong	9666 Jun 21 02:18	6°♊35'19	0°14'19
desc. node	9661 Oct 20 07:43	22°♌46'08		behind sun begin	9666 Jun 20 12:19	6°♊07'44	
	9661 Nov 01 07:36	0°♍		behind sun end	9666 Jun 21 16:16	7°♊02'55	
	9661 Dec 20 01:43	0°♎		asc. node	9666 Jul 10 09:21	21°♊51'34	
evening set	9662 Jan 20 16:26	20°♎02'11			9666 Jul 20 16:03	0°♋	
	9662 Feb 05 02:21	0°♏			9666 Aug 27 20:15	0°♎	
max. Earth dist.	9662 Feb 13 06:01	5°♏19'44	2.61659 AU	morning rise	9666 Sep 02 09:20	4°♎18'06	
					9666 Oct 06 03:02	0°♏	
conjunction	9662 Mar 07 01:20	19°♏47'03	-1°00'24		9666 Nov 16 07:21	0°♐	
minimum elong	9662 Mar 07 00:19	19°♏45'20	1°00'18		9666 Dec 30 04:19	0°♑	
	9662 Mar 22 04:22	0°♑			9667 Feb 16 00:54	0°♒	
morning rise	9662 Apr 23 05:42	22°♑10'56			9667 Apr 13 23:11	0°♓	
	9662 May 04 06:50	0°♒		retrograde	9667 Jun 09 20:22	14°♓49'08	
	9662 Jun 14 13:48	0°♈		desc. node	9667 Jun 12 12:56	14°♓46'25	
	9662 Jul 24 10:41	0°♉		opposition	9667 Jul 20 00:47	5°♓19'31	-1°16'54
	9662 Sep 01 11:59	0°♋		greatest brilliancy	9667 Jul 20 01:58	5°♓18'21	-1.3m
asc. node	9662 Oct 05 18:46	26°♋19'04		min. Earth dist.	9667 Jul 21 16:05	4°♓40'48	0.67899 AU
	9662 Oct 10 15:02	0°♌			9667 Aug 03 07:52	30°♓	
	9662 Nov 20 03:19	0°♍		direct	9667 Aug 30 13:26	25°♓20'38	
	9663 Jan 03 10:55	0°♎			9667 Sep 29 04:32	0°♔	
	9663 Mar 03 21:26	0°♏			9667 Dec 04 08:12	0°♑	
retrograde	9663 Apr 01 18:58	5°♏08'15			9668 Jan 21 22:01	0°♒	
	9663 Apr 29 02:13	30°♏			9668 Mar 05 02:46	0°♉	
min. Earth dist.	9663 May 05 12:43	27°♏36'02	0.59110 AU		9668 Apr 14 06:40	0°♈	
opposition	9663 May 11 10:26	25°♏17'04	4°00'37		9668 May 22 18:01	0°♊	
greatest brilliancy	9663 May 10 15:05	25°♏36'03	-1.7m	asc. node	9668 May 27 09:46	3°♊40'44	
direct	9663 Jun 17 18:01	16°♏45'32		evening set	9668 Jun 26 09:42	27°♊27'01	
	9663 Aug 10 09:18	0°♌			9668 Jun 29 15:00	0°♋	
desc. node	9663 Sep 07 11:02	12°♌54'38			9668 Aug 06 20:59	0°♎	
	9663 Oct 09 21:29	0°♍					
	9663 Nov 30 14:53	0°♎		conjunction	9668 Sep 04 14:53	21°♎58'16	0°58'30
	9664 Jan 17 14:10	0°♏		minimum elong	9668 Sep 04 12:16	21°♎53'22	0°58'23
evening set	9664 Feb 28 19:36	28°♏03'36			9668 Sep 15 08:15	0°♏	
	9664 Mar 02 15:37	0°♑		max. Earth dist.	9668 Oct 22 23:59	27°♏23'44	2.46534 AU
max. Earth dist.	9664 Mar 14 17:39	8°♑21'13	2.50905 AU		9668 Oct 26 16:08	0°♐	
	9664 Apr 14 04:41	0°♒		morning rise	9668 Nov 05 21:15	7°♐10'38	
					9668 Dec 09 06:48	0°♑	
conjunction	9664 Apr 19 09:11	3°♒46'10	-1°05'05		9669 Jan 24 11:44	0°♒	
minimum elong	9664 Apr 19 10:11	3°♒48'00	1°05'16		9669 Mar 15 01:13	0°♓	
	9664 May 24 16:05	0°♈		desc. node	9669 Apr 29 09:31	24°♓33'06	
morning rise	9664 Jun 16 08:07	17°♈19'41			9669 May 10 18:25	0°♑	
	9664 Jul 02 16:24	0°♉		retrograde	9669 Jul 16 04:44	18°♑43'16	
	9664 Aug 09 23:08	0°♋		opposition	9669 Aug 23 16:22	10°♑03'36	-3°45'50
asc. node	9664 Aug 22 13:17	9°♋52'56		greatest brilliancy	9669 Aug 24 08:16	9°♑48'19	-1.5m
	9664 Sep 17 08:34	0°♌		min. Earth dist.	9669 Aug 29 02:16	7°♑59'02	0.62435 AU
	9664 Oct 26 19:34	0°♍		direct	9669 Oct 03 22:12	0°♑06'15	
	9664 Dec 07 10:55	0°♎			9669 Dec 25 23:42	0°♒	
	9665 Jan 22 02:01	0°♏			9670 Feb 10 14:18	0°♉	
	9665 Mar 19 03:13	0°♐			9670 Mar 23 19:49	0°♈	
retrograde	9665 May 06 16:28	11°♐57'41		asc. node	9670 Apr 14 11:29	16°♈33'15	
min. Earth dist.	9665 Jun 14 03:23	2°♐52'42	0.66740 AU		9670 May 01 18:12	0°♉	
opposition	9665 Jun 16 07:05	2°♐01'16	1°21'50		9670 Jun 08 23:39	0°♋	
greatest brilliancy	9665 Jun 16 04:51	2°♐03'29	-1.4m		9670 Jul 17 15:47	0°♌	
	9665 Jun 21 10:35	30°♐			9670 Aug 26 15:27	0°♍	
desc. node	9665 Jul 25 13:02	22°♐31'43		evening set	9670 Sep 05 00:21	6°♐50'39	
direct	9665 Jul 26 11:19	22°♐31'24			9670 Oct 07 11:56	0°♎	
	9665 Sep 03 10:15	0°♑					
	9665 Nov 06 23:59	0°♒		conjunction	9670 Oct 31 17:43	16°♒43'40	1°00'01
	9665 Dec 27 19:21	0°♓		minimum elong	9670 Oct 31 19:01	16°♒45'52	1°00'15

	9670 Nov 20 10:16	0°♊		min. Earth dist.	9676 Feb 21 01:58	15°♏34'48	0.40933 AU
max. Earth dist.	9670 Nov 27 05:47	4°♊31'53	2.58906 AU	greatest brilliancy	9676 Feb 27 07:46	13°♏37'35	-2.7m
morning rise	9670 Dec 21 00:32	20°♊07'37		opposition	9676 Feb 28 18:48	13°♏09'51	5°08'36
	9671 Jan 05 08:00	0°♋		direct	9676 Mar 30 14:48	7°♏23'51	
	9671 Feb 22 00:54	0°♌			9676 Jun 08 17:36	0°♌	
desc. node	9671 Mar 17 03:40	14°♌07'33			9676 Aug 01 12:57	0°♍	
	9671 Apr 12 18:48	0°♎			9676 Sep 20 16:34	0°♊	
	9671 Jun 05 14:17	0°♏		desc. node	9676 Nov 05 20:02	28°♊10'58	
retrograde	9671 Sep 01 13:03	29°♏34'17			9676 Nov 08 18:51	0°♋	
opposition	9671 Oct 06 16:14	22°♏21'57	-5°31'32		9676 Dec 26 23:27	0°♌	
greatest brilliancy	9671 Oct 08 08:23	21°♏46'28	-2.1m	evening set	9677 Jan 06 15:06	6°♌43'57	
min. Earth dist.	9671 Oct 15 05:53	19°♏21'11	0.50831 AU	max. Earth dist.	9677 Feb 03 12:07	24°♌34'17	2.64533 AU
direct	9671 Nov 14 03:48	13°♏32'32			9677 Feb 11 21:06	0°♎	
	9672 Jan 07 16:49	0°♏					
	9672 Feb 25 03:55	0°♐		conjunction	9677 Feb 20 05:48	5°♎27'28	-0°50'25
asc. node	9672 Mar 01 12:58	3°♐45'04		minimum elong	9677 Feb 20 04:41	5°♎25'37	0°50'14
	9672 Apr 06 13:01	0°♑			9677 Mar 29 03:13	0°♏	
	9672 May 16 04:51	0°♒		morning rise	9677 Apr 06 11:36	5°♏40'00	
	9672 Jun 25 01:25	0°♓			9677 May 11 14:41	0°♏	
	9672 Aug 05 04:02	0°♑			9677 Jun 22 09:35	0°♐	
	9672 Sep 17 01:13	0°♒			9677 Aug 01 19:29	0°♑	
evening set	9672 Oct 24 08:13	25°♒05'37			9677 Sep 10 10:08	0°♒	
	9672 Oct 31 18:35	0°♓		asc. node	9677 Oct 20 04:46	0°♓	
conjunction	9672 Dec 11 15:25	26°♓33'29	0°26'28		9677 Oct 22 11:49	1°♓42'15	
minimum elong	9672 Dec 11 16:16	26°♓34'51	0°26'49		9677 Nov 30 21:07	0°♑	
	9672 Dec 17 00:08	0°♋		retrograde	9678 Jan 18 02:21	0°♒	
max. Earth dist.	9672 Dec 21 04:35	2°♋40'47	2.66283 AU	min. Earth dist.	9678 Mar 17 00:59	18°♒19'07	
morning rise	9673 Jan 25 14:57	25°♋12'26		opposition	9678 Apr 17 12:38	11°♒34'32	0.54512 AU
desc. node	9673 Jan 31 22:39	29°♋12'07		greatest brilliancy	9678 Apr 24 18:08	8°♒48'26	4°55'08
	9673 Feb 02 04:58	0°♌		direct	9678 Apr 23 12:56	9°♒16'26	-1.9m
	9673 Mar 21 21:33	0°♎			9678 May 30 11:51	0°♒51'41	
	9673 May 08 22:59	0°♏		desc. node	9678 Aug 25 07:23	0°♓	
	9673 Jun 26 21:03	0°♏			9678 Sep 23 23:05	15°♓52'16	
	9673 Aug 17 16:48	0°♐			9678 Oct 18 20:52	0°♋	
retrograde	9673 Nov 09 15:37	29°♐40'22			9678 Dec 08 02:18	0°♌	
opposition	9673 Dec 09 20:09	24°♐35'49	-2°50'33	evening set	9679 Jan 24 14:21	0°♎	
greatest brilliancy	9673 Dec 10 11:52	24°♐24'56	-2.9m	max. Earth dist.	9679 Feb 12 18:58	12°♎35'29	
min. Earth dist.	9673 Dec 14 13:33	23°♐17'42	0.37998 AU		9679 Mar 02 11:49	24°♎27'32	2.55676 AU
direct	9674 Jan 10 02:44	18°♐59'47			9679 Mar 10 15:05	0°♏	
asc. node	9674 Jan 17 15:22	19°♐23'18		conjunction	9679 Apr 01 14:41	15°♏14'36	-1°08'01
	9674 Feb 21 19:24	0°♑		minimum elong	9679 Apr 01 14:33	15°♏14'23	1°08'05
	9674 Apr 14 23:17	0°♒			9679 Apr 22 08:35	0°♏	
	9674 May 29 20:59	0°♓		morning rise	9679 May 24 02:10	23°♏15'04	
	9674 Jul 13 03:47	0°♑			9679 Jun 02 02:35	0°♐	
	9674 Aug 27 07:05	0°♒			9679 Jul 11 09:30	0°♑	
	9674 Oct 12 14:01	0°♓			9679 Aug 18 21:43	0°♒	
	9674 Nov 28 17:19	0°♋		asc. node	9679 Sep 09 07:59	16°♒43'13	
evening set	9674 Dec 02 18:50	2°♋34'20			9679 Sep 26 11:25	0°♓	
desc. node	9674 Dec 19 19:44	13°♋21'15			9679 Nov 05 03:29	0°♑	
max. Earth dist.	9675 Jan 12 20:14	28°♋34'10	2.68162 AU		9679 Dec 17 07:23	0°♒	
	9675 Jan 15 02:19	0°♌			9680 Feb 02 19:47	0°♓	
conjunction	9675 Jan 16 15:57	0°♌59'44	-0°14'34	retrograde	9680 Apr 23 05:26	28°♓39'08	
minimum elong	9675 Jan 16 15:31	0°♌59'04	0°14'13	min. Earth dist.	9680 May 30 00:38	20°♓06'04	0.64514 AU
behind sun begin	9675 Jan 16 07:05	0°♌45'41		opposition	9680 Jun 02 15:50	18°♓39'25	2°24'15
behind sun end	9675 Jan 16 23:57	1°♌12'27		greatest brilliancy	9680 Jun 02 08:48	18°♓46'24	-1.4m
morning rise	9675 Mar 01 02:56	28°♌45'21		direct	9680 Jul 11 21:57	9°♓28'06	
	9675 Mar 03 01:20	0°♎		desc. node	9680 Aug 11 01:50	14°♓12'37	
	9675 Apr 18 03:36	0°♏			9680 Sep 20 12:22	0°♋	
	9675 Jun 02 04:33	0°♏			9680 Nov 16 02:14	0°♌	
	9675 Jul 16 04:30	0°♐			9681 Jan 04 10:34	0°♎	
	9675 Aug 28 10:35	0°♑		evening set	9681 Feb 18 20:38	0°♏	
	9675 Oct 10 22:29	0°♒			9681 Mar 28 03:21	26°♏14'06	
	9675 Nov 27 11:10	0°♓			9681 Apr 02 07:58	0°♏	
asc. node	9675 Dec 05 15:57	4°♓26'47		max. Earth dist.	9681 Apr 12 04:42	7°♏13'29	2.42714 AU
retrograde	9676 Jan 26 03:38	20°♓06'09			9681 May 12 13:14	0°♐	

conjunction	9681 May 24 12:26	9° Π 10'36	-0°42'16		9686 Apr 21 20:16	0° H	
minimum elong	9681 May 24 15:07	9° Π 15'47	0°42'34		9686 Jun 21 05:50	0° Υ	
	9681 Jun 20 06:27	0° S		retrograde	9686 Aug 12 05:09	12° Υ 28'11	
asc. node	9681 Jul 27 04:24	29° S 06'59		opposition	9686 Sep 17 22:02	4° Υ 35'15	-5°01'28
	9681 Jul 28 07:15	0° Ω		greatest brilliancy	9686 Sep 19 05:03	4° Υ 06'34	-1.8m
morning rise	9681 Aug 01 11:37	3° Ω 18'09		min. Earth dist.	9686 Sep 25 11:24	1° Υ 48'11	0.56013 AU
	9681 Sep 04 12:19	0° M			9686 Sep 30 15:38	30° R H	
	9681 Oct 13 18:52	0° $\underline{\text{A}}$		direct	9686 Oct 27 21:40	25° H 06'25	
	9681 Nov 24 00:15	0° M			9686 Nov 25 08:46	0° Υ	
	9682 Jan 07 05:31	0° A			9687 Jan 23 20:17	0° B	
	9682 Feb 25 14:50	0° Z			9687 Mar 08 12:33	0° Π	
	9682 May 06 23:34	0° \approx		asc. node	9687 Mar 19 05:23	7° Π 52'54	
retrograde	9682 May 27 11:22	2° \approx 23'39			9687 Apr 17 10:37	0° S	
	9682 Jun 15 16:56	30° R Z			9687 May 26 07:06	0° Ω	
desc. node	9682 Jun 29 02:25	25° Z 44'39			9687 Jul 04 12:29	0° M	
opposition	9682 Jul 06 23:32	22° Z 40'50	-0°16'19		9687 Aug 14 01:19	0° $\underline{\text{A}}$	
greatest brilliancy	9682 Jul 06 23:29	22° Z 40'52	-1.3m		9687 Sep 25 10:24	0° M	
min. Earth dist.	9682 Jul 07 03:14	22° Z 37'09	0.68230 AU	evening set	9687 Oct 07 14:19	8° M 21'43	
direct	9682 Aug 17 03:51	12° Z 50'15			9687 Nov 08 18:20	0° A	
	9682 Oct 18 21:13	0° \approx					
	9682 Dec 13 21:26	0° H		conjunction	9687 Nov 27 09:40	12° A 15'54	0°41'18
	9683 Jan 29 23:39	0° Υ		minimum elong	9687 Nov 27 10:55	12° A 17'57	0°41'37
	9683 Mar 13 19:03	0° B		max. Earth dist.	9687 Dec 13 02:37	22° A 28'15	2.64050 AU
	9683 Apr 22 21:12	0° Π			9687 Dec 24 19:09	0° Z	
evening set	9683 May 28 15:16	27° Π 50'56		morning rise	9688 Jan 12 21:38	12° Z 11'55	
	9683 May 31 08:44	0° S			9688 Feb 10 02:13	0° \approx	
asc. node	9683 Jun 14 01:41	10° S 50'31		desc. node	9688 Feb 18 14:21	5° \approx 19'49	
	9683 Jul 08 05:34	0° Ω			9688 Mar 29 08:21	0° H	
					9688 May 17 20:10	0° Υ	
conjunction	9683 Aug 07 18:24	24° Ω 02'25	0°37'18		9688 Jul 09 08:11	0° B	
minimum elong	9683 Aug 07 14:57	23° Ω 55'42	0°37'01		9688 Sep 17 01:09	0° Π	
	9683 Aug 15 10:03	0° M		retrograde	9688 Oct 09 20:51	2° Π 57'27	
	9683 Sep 23 18:25	0° $\underline{\text{A}}$			9688 Oct 31 17:53	30° R B	
max. Earth dist.	9683 Sep 30 07:24	4° $\underline{\text{A}}$ 51'54	2.40897 AU	opposition	9688 Nov 10 20:29	27° B 05'00	-4°58'26
morning rise	9683 Oct 15 11:13	15° $\underline{\text{A}}$ 59'43		greatest brilliancy	9688 Nov 12 10:20	26° B 35'28	-2.6m
	9683 Nov 03 23:19	0° M		min. Earth dist.	9688 Nov 18 19:18	24° B 37'10	0.42287 AU
	9683 Dec 17 13:33	0° A		direct	9688 Dec 15 10:39	20° B 03'24	
	9684 Feb 02 03:14	0° Z			9689 Jan 24 09:27	0° Π	
	9684 Mar 24 06:03	0° \approx		asc. node	9689 Feb 03 06:34	4° Π 45'27	
desc. node	9684 May 16 00:26	25° \approx 13'24			9689 Mar 17 01:44	0° S	
	9684 May 29 21:51	0° H			9689 Apr 29 01:02	0° Ω	
retrograde	9684 Jun 30 22:22	5° H 17'54			9689 Jun 09 20:23	0° M	
	9684 Jul 30 04:36	30° R \approx			9689 Jul 22 09:06	0° $\underline{\text{A}}$	
opposition	9684 Aug 09 06:05	26° \approx 15'25	-2°50'10		9689 Sep 04 08:44	0° M	
greatest brilliancy	9684 Aug 09 14:23	26° \approx 07'20	-1.4m		9689 Oct 19 21:12	0° A	
min. Earth dist.	9684 Aug 13 04:55	24° \approx 43'14	0.65356 AU	evening set	9689 Nov 18 03:59	18° A 52'43	
direct	9684 Sep 19 20:10	16° \approx 12'35			9689 Dec 05 13:49	0° Z	
	9684 Nov 12 04:30	0° H					
	9685 Jan 05 23:05	0° Υ		conjunction	9690 Jan 02 22:36	18° Z 01'45	0°01'20
	9685 Feb 19 14:40	0° B		minimum elong	9690 Jan 02 22:40	18° Z 01'52	0°01'42
	9685 Apr 01 05:46	0° Π		behind sun begin	9690 Jan 02 04:14	17° Z 32'37	
asc. node	9685 May 01 02:28	23° Π 05'45		behind sun end	9690 Jan 03 17:07	18° Z 31'06	
	9685 May 09 21:36	0° S		max. Earth dist.	9690 Jan 04 03:09	18° Z 47'02	2.68098 AU
	9685 Jun 16 22:11	0° Ω		desc. node	9690 Jan 05 09:59	19° Z 35'57	
	9685 Jul 25 08:58	0° M			9690 Jan 21 19:32	0° \approx	
evening set	9685 Aug 11 00:20	12° M 42'51		morning rise	9690 Feb 15 14:49	15° \approx 45'09	
	9685 Sep 03 02:22	0° $\underline{\text{A}}$			9690 Mar 09 23:19	0° H	
					9690 Apr 25 15:45	0° Υ	
conjunction	9685 Oct 11 23:55	28° $\underline{\text{A}}$ 06'05	1°06'10		9690 Jun 10 18:14	0° B	
minimum elong	9685 Oct 12 00:23	28° $\underline{\text{A}}$ 06'55	1°06'19		9690 Jul 26 11:17	0° Π	
	9685 Oct 14 16:35	0° M			9690 Sep 10 13:39	0° S	
max. Earth dist.	9685 Nov 15 10:55	21° M 56'10	2.54597 AU		9690 Oct 30 11:55	0° Ω	
	9685 Nov 27 10:12	0° A		asc. node	9690 Dec 22 08:11	19° Ω 19'36	
morning rise	9685 Dec 04 22:29	5° A 00'21		retrograde	9690 Dec 30 02:17	19° Ω 44'27	
	9686 Jan 12 08:08	0° Z		min. Earth dist.	9691 Jan 25 20:15	15° Ω 24'29	0.37243 AU
	9686 Mar 01 12:04	0° \approx		opposition	9691 Jan 30 01:41	14° Ω 14'14	2°53'43
desc. node	9686 Apr 02 20:12	19° \approx 11'49		greatest brilliancy	9691 Jan 29 12:35	14° Ω 23'19	-3.0m

direct	9691 Feb 28 08:07	9°♏15'52		minimum elong	9696 May 01 04:14	15°♌55'59	0°59'57
	9691 May 04 00:57	0°♍			9696 May 19 21:23	0°♐	
	9691 Jun 25 04:31	0°♌			9696 Jun 27 19:02	0°♍	
	9691 Aug 12 17:18	0°♍		morning rise	9696 Jul 01 20:07	3°♌09'47	
	9691 Sep 29 20:16	0°♌			9696 Aug 04 23:19	0°♏	
	9691 Nov 16 23:36	0°♌		asc. node	9696 Aug 12 21:02	6°♏13'18	
desc. node	9691 Nov 23 08:50	3°♌59'19		greatest brilliancy	9696 Aug 20 20:14	12°♏29'00	1.2m
evening set	9691 Dec 24 19:20	23°♌42'35			9696 Sep 12 06:36	0°♍	
	9692 Jan 03 18:27	0°♌			9696 Oct 21 14:49	0°♌	
max. Earth dist.	9692 Jan 26 13:30	14°♌29'49	2.66609 AU		9696 Dec 02 00:32	0°♍	
					9697 Jan 15 22:05	0°♌	
conjunction	9692 Feb 07 03:55	21°♌56'25	-0°37'52		9697 Mar 09 07:22	0°♌	
minimum elong	9692 Feb 07 02:56	21°♌54'50	0°37'36	retrograde	9697 May 14 06:20	19°♌48'55	
	9692 Feb 19 15:14	0°♌		opposition	9697 Jun 23 21:36	9°♌56'29	0°45'23
morning rise	9692 Mar 22 05:38	20°♌43'12		min. Earth dist.	9697 Jun 22 13:47	10°♌28'05	0.67546 AU
	9692 Apr 05 03:44	0°♌		greatest brilliancy	9697 Jun 23 20:57	9°♌57'08	-1.3m
	9692 May 19 03:10	0°♌		desc. node	9697 Jul 15 15:54	2°♌32'20	
	9692 Jun 30 14:16	0°♐		direct	9697 Aug 03 12:00	0°♌18'11	
	9692 Aug 10 18:40	0°♍			9697 Oct 31 04:54	0°♌	
	9692 Sep 20 06:14	0°♏			9697 Dec 22 10:13	0°♌	
	9692 Oct 31 05:39	0°♍			9698 Feb 06 15:43	0°♌	
asc. node	9692 Nov 08 07:24	5°♍44'01			9698 Mar 21 06:23	0°♌	
	9692 Dec 14 15:19	0°♌			9698 Apr 30 09:02	0°♐	
retrograde	9693 Feb 27 11:10	28°♌52'11		evening set	9698 May 01 20:52	1°♐08'40	
min. Earth dist.	9693 Mar 28 12:26	23°♌01'41	0.49209 AU		9698 Jun 07 22:01	0°♍	
greatest brilliancy	9693 Apr 04 03:41	20°♌36'15	-2.2m	asc. node	9698 Jun 30 19:01	18°♍05'35	
opposition	9693 Apr 05 17:51	20°♌01'13	5°34'41				
direct	9693 May 09 15:03	12°♌48'44		conjunction	9698 Jul 07 21:12	23°♍42'57	0°05'12
	9693 Jul 09 19:58	0°♍		minimum elong	9698 Jul 07 20:40	23°♍41'54	0°04'51
	9693 Sep 05 10:30	0°♌		behind sun begin	9698 Jul 06 15:17	22°♍43'39	
desc. node	9693 Oct 10 10:47	20°♌09'49		behind sun end	9698 Jul 09 02:04	24°♍40'08	
	9693 Oct 27 01:18	0°♌			9698 Jul 15 19:33	0°♏	
	9693 Dec 15 06:37	0°♌		max. Earth dist.	9698 Jul 22 22:32	5°♏38'17	2.36514 AU
evening set	9694 Jan 28 21:28	28°♌19'57			9698 Aug 22 23:13	0°♍	
	9694 Jan 31 11:06	0°♌		morning rise	9698 Sep 19 01:41	20°♍50'08	
max. Earth dist.	9694 Feb 19 04:18	12°♌17'03	2.59732 AU		9698 Oct 01 05:26	0°♌	
					9698 Nov 11 08:31	0°♍	
conjunction	9694 Mar 15 22:14	28°♌54'07	-1°04'35		9698 Dec 25 00:52	0°♌	
minimum elong	9694 Mar 15 21:25	28°♌52'44	1°04'32		9699 Feb 10 05:50	0°♌	
	9694 Mar 17 12:55	0°♌			9699 Apr 05 03:02	0°♌	
	9694 Apr 29 12:19	0°♌		desc. node	9699 Jun 02 15:22	21°♌12'14	
morning rise	9694 May 03 14:54	2°♌56'26		retrograde	9699 Jun 17 16:34	22°♌30'10	
	9694 Jun 09 14:47	0°♐		opposition	9699 Jul 27 15:10	13°♌09'15	-1°51'53
	9694 Jul 19 06:29	0°♍		greatest brilliancy	9699 Jul 27 18:13	13°♌06'16	-1.3m
	9694 Aug 27 02:43	0°♏		min. Earth dist.	9699 Jul 30 02:31	12°♌11'02	0.67266 AU
asc. node	9694 Sep 26 02:16	23°♏10'35		direct	9699 Sep 07 06:13	3°♌07'36	
	9694 Oct 04 23:54	0°♍			9699 Nov 27 03:28	0°♌	
	9694 Nov 14 02:03	0°♌			9700 Jan 16 06:34	0°♌	
	9694 Dec 27 06:42	0°♍			9700 Feb 28 21:57	0°♌	
	9695 Feb 17 06:03	0°♌			9700 Apr 10 05:42	0°♐	
retrograde	9695 Apr 10 04:38	14°♌20'57		asc. node	9700 May 18 18:01	29°♐58'57	
min. Earth dist.	9695 May 15 01:55	6°♌25'33	0.61276 AU		9700 May 18 18:33	0°♍	
opposition	9695 May 20 04:34	4°♌24'29	3°26'11	greatest brilliancy	9700 Jun 15 05:51	21°♍43'59	1.2m
greatest brilliancy	9695 May 19 14:16	4°♌38'36	-1.6m		9700 Jun 25 16:36	0°♏	
	9695 Jun 01 03:41	30°♍		evening set	9700 Jul 14 10:13	14°♏45'24	
direct	9695 Jun 27 06:35	25°♍37'07			9700 Aug 02 23:50	0°♍	
	9695 Jul 25 23:20	0°♌			9700 Sep 11 12:22	0°♌	
desc. node	9695 Aug 28 13:48	12°♌29'00					
	9695 Oct 03 06:29	0°♌		conjunction	9700 Sep 20 03:17	6°♌22'30	1°04'27
	9695 Nov 25 08:12	0°♌		minimum elong	9700 Sep 20 01:57	6°♌20'02	1°04'27
	9696 Jan 12 18:14	0°♌			9700 Oct 22 21:22	0°♍	
	9696 Feb 26 23:05	0°♌		max. Earth dist.	9700 Nov 02 10:27	7°♍24'20	2.49554 AU
evening set	9696 Mar 09 12:28	7°♌58'57		morning rise	9700 Nov 18 01:16	18°♍11'48	
max. Earth dist.	9696 Mar 23 10:58	17°♌46'36	2.48064 AU		9700 Dec 05 11:35	0°♌	
	9696 Apr 09 11:54	0°♌			9701 Jan 20 12:04	0°♌	
					9701 Mar 10 09:22	0°♌	
conjunction	9696 May 01 02:28	15°♌52'42	-0°59'43	desc. node	9701 Apr 20 11:17	23°♌14'24	

	9701 May 03 09:47	0°♏			9706 Oct 08 13:18	0°♏	
retrograde	9701 Jul 26 10:34	27°♏16'12			9706 Nov 24 23:43	0°♏	
opposition	9701 Sep 02 09:09	18°♏51'15 -4°15'54		desc. node	9706 Dec 10 21:20	10°♏01'41	
greatest brilliancy	9701 Sep 03 06:14	18°♏31'14 -1.6m		evening set	9706 Dec 11 21:33	10°♏39'52	
min. Earth dist.	9701 Sep 08 14:41	16°♏29'31 0.60399 AU			9707 Jan 11 11:35	0°♏	
direct	9701 Oct 13 07:26	9°♏00'33		max. Earth dist.	9707 Jan 18 21:37	4°♏42'31 2.67847 AU	
	9701 Dec 18 10:21	0°♏					
	9702 Feb 05 07:06	0°♏		conjunction	9707 Jan 25 11:09	8°♏53'07 -0°23'32	
	9702 Mar 19 03:49	0°♏		minimum elong	9707 Jan 25 10:29	8°♏52'03 0°23'14	
asc. node	9702 Apr 05 19:39	13°♏22'00			9707 Feb 27 09:37	0°♏	
	9702 Apr 27 08:31	0°♏		morning rise	9707 Mar 09 23:51	6°♏51'33	
	9702 Jun 04 17:56	0°♏			9707 Apr 14 06:40	0°♏	
	9702 Jul 13 13:35	0°♏			9707 May 28 21:28	0°♏	
	9702 Aug 22 16:40	0°♏			9707 Jul 11 06:11	0°♏	
evening set	9702 Sep 18 15:25	19°♏25'04			9707 Aug 22 13:58	0°♏	
	9702 Oct 03 16:30	0°♏			9707 Oct 03 14:05	0°♏	
					9707 Nov 16 06:56	0°♏	
conjunction	9702 Nov 11 21:50	26°♏47'29 0°54'06		asc. node	9707 Nov 26 23:50	6°♏48'38	
minimum elong	9702 Nov 11 23:15	26°♏49'51 0°54'23			9708 Jan 11 01:42	0°♏	
	9702 Nov 16 17:06	0°♏		retrograde	9708 Feb 09 04:40	5°♏41'04	
max. Earth dist.	9702 Dec 04 07:49	11°♏38'43 2.60981 AU		min. Earth dist.	9708 Mar 07 00:19	0°♏44'35 0.43744 AU	
morning rise	9702 Dec 30 14:15	28°♏42'01			9708 Mar 09 06:24	30°♏	
	9703 Jan 01 14:49	0°♏		greatest brilliancy	9708 Mar 13 16:12	28°♏30'25 -2.5m	
	9703 Feb 18 02:35	0°♏		opposition	9708 Mar 15 08:26	27°♏56'19 5°38'00	
desc. node	9703 Mar 08 05:33	11°♏12'18		direct	9708 Apr 16 06:19	21°♏37'41	
	9703 Apr 08 04:27	0°♏			9708 May 25 12:36	0°♏	
	9703 May 29 22:40	0°♏			9708 Jul 25 23:57	0°♏	
	9703 Jul 30 00:26	0°♏			9708 Sep 15 22:10	0°♏	
retrograde	9703 Sep 15 11:57	10°♏52'18		desc. node	9708 Oct 27 23:05	25°♏15'24	
opposition	9703 Oct 19 13:29	4°♏06'18 -5°35'00			9708 Nov 04 18:02	0°♏	
greatest brilliancy	9703 Oct 21 08:32	3°♏29'35 -2.2m			9708 Dec 23 06:20	0°♏	
min. Earth dist.	9703 Oct 28 08:19	1°♏07'20 0.47780 AU		evening set	9709 Jan 15 15:01	14°♏46'44	
	9703 Oct 31 20:32	30°♏			9709 Feb 08 06:18	0°♏	
direct	9703 Nov 25 22:19	25°♏47'53		max. Earth dist.	9709 Feb 10 01:13	1°♏09'50 2.63049 AU	
	9703 Dec 21 06:36	0°♏					
	9704 Feb 17 15:09	0°♏		conjunction	9709 Mar 01 13:56	13°♏59'31 -0°56'38	
asc. node	9704 Feb 21 23:12	2°♏50'32		minimum elong	9709 Mar 01 12:51	13°♏57'42 0°56'30	
	9704 Mar 31 16:07	0°♏			9709 Mar 25 11:12	0°♏	
	9704 May 11 01:27	0°♏		morning rise	9709 Apr 16 18:45	15°♏17'47	
	9704 Jun 20 09:30	0°♏			9709 May 07 18:31	0°♏	
	9704 Jul 31 20:51	0°♏			9709 Jun 18 07:34	0°♏	
	9704 Sep 13 01:11	0°♏			9709 Jul 28 10:27	0°♏	
evening set	9704 Oct 27 23:48	0°♏			9709 Sep 05 17:20	0°♏	
	9704 Nov 03 17:43	4°♏24'54		asc. node	9709 Oct 13 20:40	29°♏04'50	
	9704 Dec 13 08:24	0°♏			9709 Oct 15 01:55	0°♏	
					9709 Nov 24 22:30	0°♏	
conjunction	9704 Dec 20 22:51	4°♏51'34 0°17'17			9710 Jan 09 07:52	0°♏	
minimum elong	9704 Dec 20 23:24	4°♏52'28 0°17'39		retrograde	9710 Mar 27 04:52	28°♏37'31	
max. Earth dist.	9704 Dec 27 09:06	8°♏57'30 2.67173 AU		min. Earth dist.	9710 Apr 28 22:51	21°♏25'59 0.57151 AU	
desc. node	9705 Jan 23 00:07	25°♏52'04		greatest brilliancy	9710 May 04 12:04	19°♏16'38 -1.8m	
	9705 Jan 29 12:45	0°♏		opposition	9710 May 05 11:37	18°♏53'44 4°25'02	
morning rise	9705 Feb 03 07:35	3°♏01'38		direct	9710 Jun 11 03:46	10°♏36'37	
	9705 Mar 17 23:47	0°♏			9710 Aug 17 11:44	0°♏	
	9705 May 04 11:17	0°♏		desc. node	9710 Sep 15 02:29	14°♏13'46	
	9705 Jun 21 03:05	0°♏			9710 Oct 13 23:44	0°♏	
	9705 Aug 08 20:37	0°♏			9710 Dec 04 01:21	0°♏	
	9705 Oct 01 14:57	0°♏			9711 Jan 20 20:37	0°♏	
retrograde	9705 Nov 29 06:53	17°♏17'42		evening set	9711 Feb 22 18:21	21°♏43'05	
opposition	9705 Dec 28 23:28	12°♏23'19 -0°51'45			9711 Mar 06 23:04	0°♏	
greatest brilliancy	9705 Dec 29 02:15	12°♏21'29 -3.1m		max. Earth dist.	9711 Mar 10 17:37	2°♏35'18 2.53116 AU	
min. Earth dist.	9705 Dec 30 17:30	11°♏55'22 0.36748 AU					
asc. node	9706 Jan 09 01:04	9°♏35'32		conjunction	9711 Apr 12 23:14	25°♏55'32 -1°07'16	
direct	9706 Jan 27 22:29	7°♏19'49		minimum elong	9711 Apr 12 23:42	25°♏56'22 1°07'25	
	9706 Apr 03 23:03	0°♏			9711 Apr 18 15:12	0°♏	
	9706 May 22 20:53	0°♏			9711 May 29 06:34	0°♏	
	9706 Jul 07 18:05	0°♏		morning rise	9711 Jun 07 06:04	6°♏47'52	
	9706 Aug 22 18:08	0°♏			9711 Jul 07 10:21	0°♏	

	9711 Aug 14 19:36	0°♏		min. Earth dist.	9716 Aug 23 03:38	2°♎40'53	0.63874 AU
asc. node	9711 Aug 31 15:40	13°♏11'00			9716 Aug 30 10:19	30°♎	
	9711 Sep 22 06:30	0°♎		direct	9716 Sep 28 19:57	24°♎30'50	
	9711 Oct 31 18:19	0°♎			9716 Oct 30 08:03	0°♎	
	9711 Dec 12 12:27	0°♎			9716 Dec 31 05:04	0°♎	
	9712 Jan 27 15:58	0°♎			9717 Feb 14 22:29	0°♎	
	9712 Mar 27 19:46	0°♎			9717 Mar 27 22:28	0°♎	
retrograde	9712 May 01 23:13	6°♎50'04		asc. node	9717 Apr 22 12:27	19°♎39'30	
	9712 Jun 03 13:00	30°♎			9717 May 05 18:12	0°♎	
min. Earth dist.	9712 Jun 08 17:20	27°♎58'44	0.65864 AU		9717 Jun 12 21:08	0°♎	
opposition	9712 Jun 11 12:49	26°♎51'39	1°47'48		9717 Jul 21 10:06	0°♎	
greatest brilliancy	9712 Jun 11 08:50	26°♎55'36	-1.4m	evening set	9717 Aug 26 13:32	27°♎17'09	
direct	9712 Jul 21 07:57	17°♎29'24			9717 Aug 30 05:39	0°♎	
desc. node	9712 Aug 02 04:52	18°♎18'13			9717 Oct 10 21:46	0°♎	
	9712 Sep 11 16:46	0°♎					
	9712 Nov 11 03:46	0°♎		conjunction	9717 Oct 24 12:27	9°♎29'06	1°03'20
	9712 Dec 31 08:37	0°♎		minimum elong	9717 Oct 24 13:31	9°♎30'56	1°03'34
	9713 Feb 15 01:19	0°♎		max. Earth dist.	9717 Nov 23 10:01	29°♎49'14	2.57065 AU
	9713 Mar 29 13:53	0°♎			9717 Nov 23 16:28	0°♎	
evening set	9713 Apr 09 19:18	8°♎13'48		morning rise	9717 Dec 15 07:03	14°♎18'09	
max. Earth dist.	9713 Apr 29 05:32	22°♎45'17	2.39792 AU		9718 Jan 08 12:45	0°♎	
	9713 May 08 18:23	0°♎			9718 Feb 25 08:40	0°♎	
				desc. node	9718 Mar 24 20:46	16°♎38'21	
conjunction	9713 Jun 09 12:43	24°♎35'41	-0°27'21		9718 Apr 16 15:44	0°♎	
minimum elong	9713 Jun 09 15:05	24°♎40'19	0°27'41		9718 Jun 11 11:06	0°♎	
	9713 Jun 16 10:01	0°♎		retrograde	9718 Aug 24 08:08	22°♎22'57	
asc. node	9713 Jul 18 11:10	25°♎18'42		opposition	9718 Sep 29 05:17	14°♎51'27	-5°21'03
	9713 Jul 24 09:22	0°♎		greatest brilliancy	9718 Sep 30 17:51	14°♎18'23	-1.9m
morning rise	9713 Aug 20 14:09	21°♎25'58		min. Earth dist.	9718 Oct 07 09:50	11°♎54'29	0.53229 AU
	9713 Aug 31 13:32	0°♎		direct	9718 Nov 07 11:28	5°♎41'43	
	9713 Oct 09 19:10	0°♎			9719 Jan 15 21:22	0°♎	
	9713 Nov 19 22:19	0°♎			9719 Mar 02 17:50	0°♎	
	9714 Jan 02 20:25	0°♎		asc. node	9719 Mar 10 14:07	5°♎37'19	
	9714 Feb 20 03:19	0°♎			9719 Apr 12 09:34	0°♎	
	9714 Apr 21 00:49	0°♎			9719 May 21 15:26	0°♎	
retrograde	9714 Jun 05 01:38	9°♎59'55			9719 Jun 30 03:56	0°♎	
desc. node	9714 Jun 20 05:23	8°♎31'34			9719 Aug 09 22:50	0°♎	
opposition	9714 Jul 15 10:37	0°♎24'02	-0°51'59		9719 Sep 21 13:00	0°♎	
greatest brilliancy	9714 Jul 15 10:56	0°♎23'43	-1.3m	evening set	9719 Oct 18 21:40	18°♎35'37	
min. Earth dist.	9714 Jul 16 10:08	0°♎00'49	0.68180 AU		9719 Nov 05 00:46	0°♎	
	9714 Jul 16 10:58	30°♎					
direct	9714 Aug 25 20:37	20°♎28'21		conjunction	9719 Dec 07 05:15	21°♎02'19	0°32'49
	9714 Oct 09 02:49	0°♎		minimum elong	9719 Dec 07 06:17	21°♎04'00	0°33'09
	9714 Dec 08 18:29	0°♎		max. Earth dist.	9719 Dec 19 12:22	28°♎57'48	2.65382 AU
	9715 Jan 25 17:54	0°♎			9719 Dec 21 03:07	0°♎	
	9715 Mar 09 19:49	0°♎		morning rise	9720 Jan 21 19:22	20°♎11'20	
	9715 Apr 18 23:59	0°♎			9720 Feb 06 08:03	0°♎	
	9715 May 27 11:45	0°♎		desc. node	9720 Feb 09 15:13	2°♎04'41	
asc. node	9715 Jun 05 10:54	7°♎05'17			9720 Mar 25 05:49	0°♎	
evening set	9715 Jun 15 02:53	14°♎44'53			9720 May 12 20:27	0°♎	
	9715 Jul 04 08:25	0°♎			9720 Jul 02 00:40	0°♎	
	9715 Aug 11 13:05	0°♎			9720 Aug 26 18:35	0°♎	
				retrograde	9720 Oct 27 13:21	17°♎49'11	
conjunction	9715 Aug 25 10:44	10°♎43'42	0°51'04	opposition	9720 Nov 27 12:18	12°♎25'42	-3°59'13
minimum elong	9715 Aug 25 07:23	10°♎37'16	0°50'54	greatest brilliancy	9720 Nov 28 15:22	12°♎05'56	-2.8m
	9715 Sep 19 21:50	0°♎		min. Earth dist.	9720 Dec 04 01:35	10°♎31'46	0.39668 AU
max. Earth dist.	9715 Oct 16 04:43	19°♎18'50	2.44013 AU	direct	9720 Dec 30 05:33	6°♎12'57	
morning rise	9715 Oct 29 14:38	28°♎55'40		asc. node	9721 Jan 25 16:26	10°♎49'41	
	9715 Oct 31 02:53	0°♎			9721 Mar 06 15:52	0°♎	
	9715 Dec 13 15:39	0°♎			9721 Apr 22 00:22	0°♎	
	9716 Jan 28 22:06	0°♎			9721 Jun 04 04:52	0°♎	
	9716 Mar 18 22:57	0°♎			9721 Jul 17 13:24	0°♎	
desc. node	9716 May 07 02:44	25°♎33'27			9721 Aug 31 02:03	0°♎	
	9716 May 17 05:57	0°♎			9721 Oct 15 23:21	0°♎	
retrograde	9716 Jul 10 11:03	13°♎21'59		evening set	9721 Nov 27 14:18	27°♎16'38	
opposition	9716 Aug 18 08:55	4°♎31'32	-3°22'54		9721 Dec 01 21:08	0°♎	
greatest brilliancy	9716 Aug 18 21:15	4°♎19'37	-1.4m	desc. node	9721 Dec 27 12:06	16°♎15'18	

max. Earth dist.	9722 Jan 10 03:50	24° ♁ 54'44	2.68237 AU		9726 Aug 22 20:23	0° ♁	
				asc. node	9726 Sep 17 09:46	19° ♁ 52'26	
conjunction	9722 Jan 11 19:28	25° ♁ 57'35	-0°08'04		9726 Sep 30 12:38	0° ♁	
minimum elong	9722 Jan 11 19:14	25° ♁ 57'13	0°07'44		9726 Nov 09 07:20	0° ♁	
behind sun begin	9722 Jan 11 02:52	25° ♁ 31'17			9726 Dec 21 17:49	0° ♁	
behind sun end	9722 Jan 12 11:36	26° ♁ 23'10			9727 Feb 08 11:00	0° ♁	
	9722 Jan 18 04:18	0° ♁		retrograde	9727 Apr 19 07:36	23° ♁ 08'56	
morning rise	9722 Feb 24 07:30	23° ♁ 38'48		min. Earth dist.	9727 May 25 07:23	14° ♁ 51'44	0.63198 AU
	9722 Mar 06 05:30	0° ♁		opposition	9727 May 29 14:17	13° ♁ 09'45	2°50'22
	9722 Apr 21 14:05	0° ♁		greatest brilliancy	9727 May 29 04:26	13° ♁ 19'31	-1.5m
	9722 Jun 06 01:53	0° ♁		direct	9727 Jul 07 08:40	4° ♁ 08'15	
	9722 Jul 20 18:27	0° ♁		desc. node	9727 Aug 19 17:26	13° ♁ 13'49	
	9722 Sep 03 01:04	0° ♁			9727 Sep 26 22:03	0° ♁	
	9722 Oct 18 09:39	0° ♁			9727 Nov 20 20:58	0° ♁	
	9722 Dec 12 02:53	0° ♁			9728 Jan 08 20:40	0° ♁	
asc. node	9722 Dec 13 17:46	0° ♁ 38'42			9728 Feb 23 05:57	0° ♁	
retrograde	9723 Jan 15 23:41	7° ♁ 44'50		evening set	9728 Mar 20 18:29	18° ♁ 29'20	
min. Earth dist.	9723 Feb 10 19:11	3° ♁ 25'24	0.38987 AU	max. Earth dist.	9728 Apr 03 14:39	28° ♁ 24'47	2.45134 AU
greatest brilliancy	9723 Feb 16 05:02	1° ♁ 49'40	-2.8m		9728 Apr 05 19:13	0° ♁	
opposition	9723 Feb 17 07:59	1° ♁ 29'37	4°25'07				
	9723 Feb 22 11:34	30° ♁		conjunction	9728 May 14 19:24	28° ♁ 59'15	-0°51'08
direct	9723 Mar 19 07:43	26° ♁ 08'26		minimum elong	9728 May 14 21:50	29° ♁ 03'52	0°51'25
	9723 Apr 13 12:17	0° ♁			9728 May 16 03:24	0° ♁	
	9723 Jun 17 09:03	0° ♁			9728 Jun 23 23:10	0° ♁	
	9723 Aug 07 07:38	0° ♁		morning rise	9728 Jul 19 15:04	20° ♁ 11'10	
	9723 Sep 25 11:03	0° ♁			9728 Aug 01 01:27	0° ♁	
	9723 Nov 13 02:26	0° ♁		asc. node	9728 Aug 04 06:18	2° ♁ 31'36	
desc. node	9723 Nov 14 11:44	0° ♁ 51'37			9728 Sep 08 06:56	0° ♁	
	9723 Dec 31 02:43	0° ♁			9728 Oct 17 13:02	0° ♁	
evening set	9724 Jan 02 16:44	1° ♁ 37'52			9728 Nov 27 18:12	0° ♁	
max. Earth dist.	9724 Feb 01 17:48	20° ♁ 46'22	2.65559 AU		9729 Jan 11 03:10	0° ♁	
					9729 Mar 02 08:43	0° ♁	
conjunction	9724 Feb 16 03:18	0° ♁ 04'25	-0°45'28	retrograde	9729 May 22 19:39	27° ♁ 32'53	
minimum elong	9724 Feb 16 02:13	0° ♁ 02'40	0°45'15	opposition	9729 Jul 02 10:12	17° ♁ 45'23	0°09'02
	9724 Feb 16 00:35	0° ♁		greatest brilliancy	9729 Jul 02 10:15	17° ♁ 45'20	-1.3m
morning rise	9724 Mar 31 18:44	29° ♁ 33'55		min. Earth dist.	9729 Jul 01 22:16	17° ♁ 57'13	0.68056 AU
	9724 Apr 01 10:14	0° ♁		desc. node	9729 Jul 06 18:23	16° ♁ 02'47	
	9724 May 15 03:33	0° ♁		direct	9729 Aug 12 09:09	7° ♁ 59'41	
	9724 Jun 26 05:59	0° ♁			9729 Oct 24 13:59	0° ♁	
	9724 Aug 05 23:58	0° ♁			9729 Dec 17 20:29	0° ♁	
	9724 Sep 14 22:52	0° ♁			9730 Feb 02 15:07	0° ♁	
	9724 Oct 25 03:35	0° ♁			9730 Mar 17 09:45	0° ♁	
asc. node	9724 Oct 30 13:55	3° ♁ 58'30			9730 Apr 26 13:11	0° ♁	
	9724 Dec 06 15:02	0° ♁		evening set	9730 May 17 10:54	16° ♁ 10'10	
	9725 Jan 27 13:13	0° ♁			9730 Jun 04 01:57	0° ♁	
retrograde	9725 Mar 10 16:49	10° ♁ 44'17		asc. node	9730 Jun 22 03:17	14° ♁ 16'55	
min. Earth dist.	9725 Apr 10 02:25	4° ♁ 23'37	0.52212 AU		9730 Jul 11 23:02	0° ♁	
greatest brilliancy	9725 Apr 16 11:05	2° ♁ 00'12	-2.0m				
opposition	9725 Apr 17 20:34	1° ♁ 28'39	5°15'08	conjunction	9730 Jul 26 06:40	11° ♁ 19'14	0°24'15
	9725 Apr 21 20:37	30° ♁		minimum elong	9730 Jul 26 04:05	11° ♁ 14'09	0°23'55
direct	9725 May 22 19:48	23° ♁ 50'23			9730 Aug 19 02:39	0° ♁	
	9725 Jun 25 17:59	0° ♁		max. Earth dist.	9730 Sep 13 17:55	19° ♁ 43'12	2.38531 AU
	9725 Aug 30 11:21	0° ♁			9730 Sep 27 09:03	0° ♁	
desc. node	9725 Oct 01 14:29	17° ♁ 49'42		morning rise	9730 Oct 05 11:20	6° ♁ 01'56	
	9725 Oct 22 14:59	0° ♁			9730 Nov 07 11:29	0° ♁	
	9725 Dec 11 09:55	0° ♁			9730 Dec 21 00:40	0° ♁	
	9726 Jan 27 19:34	0° ♁			9731 Feb 05 17:45	0° ♁	
evening set	9726 Feb 07 06:19	6° ♁ 48'58			9731 Mar 29 16:21	0° ♁	
max. Earth dist.	9726 Feb 26 10:22	19° ♁ 31'43	2.57586 AU	desc. node	9731 May 24 16:55	24° ♁ 38'34	
	9726 Mar 13 21:58	0° ♁			9731 Jun 20 00:29	0° ♁	
				retrograde	9731 Jun 26 16:55	0° ♁ 15'59	
conjunction	9726 Mar 26 04:16	8° ♁ 25'43	-1°07'15		9731 Jul 03 05:44	30° ♁	
minimum elong	9726 Mar 26 03:48	8° ♁ 24'54	1°07'16	opposition	9731 Aug 05 08:30	21° ♁ 04'46	-2°26'13
	9726 Apr 25 19:07	0° ♁		greatest brilliancy	9731 Aug 05 14:14	20° ♁ 59'11	-1.4m
morning rise	9726 May 15 18:58	14° ♁ 29'27		min. Earth dist.	9731 Aug 08 15:46	19° ♁ 47'26	0.66343 AU
	9726 Jun 05 17:40	0° ♁		direct	9731 Sep 16 00:25	11° ♁ 01'42	
	9726 Jul 15 04:52	0° ♁			9731 Nov 19 20:32	0° ♁	

	9732 Jan 11 09:02	0°♄		behind sun begin	9736 Dec 28 08:04	12°♂30'50	
	9732 Feb 24 14:53	0°♂		behind sun end	9736 Dec 29 16:27	13°♂22'16	
	9732 Apr 05 03:37	0°♂		max. Earth dist.	9737 Jan 01 11:17	15°♂08'27	2.67788 AU
asc. node	9732 May 09 03:03	26°♂20'54		desc. node	9737 Jan 13 02:02	22°♂30'46	
	9732 May 13 18:30	0°♂			9737 Jan 24 21:23	0°♂	
	9732 Jun 20 17:38	0°♂		morning rise	9737 Feb 10 22:10	10°♂47'46	
	9732 Jul 29 02:05	0°♂			9737 Mar 13 04:14	0°♂	
evening set	9732 Jul 30 21:18	1°♂23'22			9737 Apr 29 04:34	0°♂	
	9732 Sep 06 16:14	0°♂			9737 Jun 14 21:59	0°♂	
					9737 Jul 31 17:28	0°♂	
conjunction	9732 Oct 03 11:46	19°♂35'04	1°06'37		9737 Sep 18 01:03	0°♂	
minimum elong	9732 Oct 03 11:35	19°♂34'44	1°06'42		9737 Nov 16 09:30	0°♂	
	9732 Oct 18 02:37	0°♂		retrograde	9737 Dec 17 13:38	5°♂57'40	
max. Earth dist.	9732 Nov 10 17:33	16°♂26'31	2.52423 AU	asc. node	9737 Dec 30 09:13	4°♂53'42	
morning rise	9732 Nov 28 11:33	28°♂29'50		min. Earth dist.	9738 Jan 14 23:54	1°♂20'13	0.36554 AU
	9732 Nov 30 17:16	0°♂		opposition	9738 Jan 16 17:08	0°♂52'37	1°21'18
	9733 Jan 15 14:29	0°♂		greatest brilliancy	9738 Jan 16 13:48	0°♂54'51	-3.1m
	9733 Mar 04 23:31	0°♂			9738 Jan 20 00:27	30°♂	
desc. node	9733 Apr 10 12:52	21°♂20'55		direct	9738 Feb 14 23:18	26°♂00'58	
	9733 Apr 26 04:38	0°♂			9738 Mar 12 02:57	0°♂	
	9733 Jul 01 05:08	0°♂			9738 May 13 03:30	0°♂	
retrograde	9733 Aug 05 06:16	6°♂14'15			9738 Jun 30 17:17	0°♂	
	9733 Sep 06 09:31	30°♂			9738 Aug 16 22:35	0°♂	
opposition	9733 Sep 11 13:48	28°♂06'10	-4°43'17		9738 Oct 03 09:46	0°♂	
greatest brilliancy	9733 Sep 12 16:28	27°♂41'12	-1.7m		9738 Nov 20 04:48	0°♂	
min. Earth dist.	9733 Sep 18 13:52	25°♂29'09	0.58089 AU	desc. node	9738 Dec 01 00:40	6°♂47'40	
direct	9733 Oct 22 01:39	18°♂25'46		evening set	9738 Dec 19 20:52	18°♂38'35	
	9733 Dec 07 05:20	0°♂			9739 Jan 06 20:28	0°♂	
	9734 Jan 29 10:05	0°♂		max. Earth dist.	9739 Jan 23 23:18	10°♂52'22	2.67274 AU
	9734 Mar 13 05:35	0°♂					
asc. node	9734 Mar 27 06:01	10°♂27'18		conjunction	9739 Feb 02 06:04	16°♂48'09	-0°32'05
	9734 Apr 21 19:44	0°♂		minimum elong	9739 Feb 02 05:12	16°♂46'46	0°31'49
	9734 May 30 10:32	0°♂			9739 Feb 22 18:19	0°♂	
	9734 Jul 08 10:26	0°♂		morning rise	9739 Mar 18 00:19	15°♂09'01	
	9734 Aug 17 17:31	0°♂			9739 Apr 09 11:08	0°♂	
	9734 Sep 28 20:49	0°♂			9739 May 23 17:59	0°♂	
evening set	9734 Sep 30 06:17	0°♂58'08			9739 Jul 05 14:41	0°♂	
	9734 Nov 12 00:08	0°♂			9739 Aug 16 06:34	0°♂	
					9739 Sep 26 07:31	0°♂	
conjunction	9734 Nov 21 11:30	6°♂16'43	0°46'58		9739 Nov 07 03:35	0°♂	
minimum elong	9734 Nov 21 12:52	6°♂18'59	0°47'18	asc. node	9739 Nov 17 09:13	7°♂02'03	
max. Earth dist.	9734 Dec 10 03:26	18°♂30'11	2.62780 AU		9739 Dec 23 23:07	0°♂	
	9734 Dec 27 22:17	0°♂		retrograde	9740 Feb 21 01:14	19°♂48'12	
morning rise	9735 Jan 07 20:47	7°♂00'07		min. Earth dist.	9740 Mar 20 01:05	14°♂23'02	0.46739 AU
	9735 Feb 13 06:22	0°♂		greatest brilliancy	9740 Mar 26 19:31	11°♂59'27	-2.3m
desc. node	9735 Feb 26 06:43	8°♂07'04		opposition	9740 Mar 28 12:07	11°♂23'20	5°43'00
	9735 Apr 02 19:41	0°♂		direct	9740 Apr 30 12:02	4°♂34'01	
	9735 May 23 02:52	0°♂			9740 Jul 17 03:31	0°♂	
	9735 Jul 17 02:47	0°♂			9740 Sep 09 18:56	0°♂	
retrograde	9735 Sep 29 19:41	23°♂20'13		desc. node	9740 Oct 18 02:13	22°♂30'54	
opposition	9735 Nov 01 17:19	17°♂03'17	-5°22'18		9740 Oct 30 13:36	0°♂	
greatest brilliancy	9735 Nov 03 11:22	16°♂28'56	-2.4m		9740 Dec 18 11:39	0°♂	
min. Earth dist.	9735 Nov 10 06:07	14°♂17'06	0.44681 AU	evening set	9741 Jan 23 17:07	22°♂56'48	
direct	9735 Dec 07 15:20	9°♂24'28			9741 Feb 03 15:03	0°♂	
	9736 Feb 06 13:04	0°♂		max. Earth dist.	9741 Feb 15 18:12	7°♂55'38	2.61316 AU
asc. node	9736 Feb 12 07:44	3°♂22'00					
	9736 Mar 23 20:55	0°♂		conjunction	9741 Mar 10 04:09	22°♂49'13	-1°01'44
	9736 May 04 10:51	0°♂		minimum elong	9741 Mar 10 03:11	22°♂47'35	1°01'39
	9736 Jun 14 11:21	0°♂			9741 Mar 20 19:10	0°♂	
	9736 Jul 26 10:39	0°♂		morning rise	9741 Apr 26 14:48	25°♂30'08	
	9736 Sep 07 23:42	0°♂			9741 May 02 23:08	0°♂	
	9736 Oct 23 04:40	0°♂			9741 Jun 13 07:02	0°♂	
evening set	9736 Nov 12 15:51	13°♂17'06			9741 Jul 23 04:15	0°♂	
	9736 Dec 08 16:44	0°♂			9741 Aug 31 05:03	0°♂	
				asc. node	9741 Oct 04 04:41	26°♂08'15	
conjunction	9736 Dec 28 24:00	12°♂56'08	0°07'59		9741 Oct 09 06:19	0°♂	
minimum elong	9736 Dec 29 00:16	12°♂56'33	0°08'20		9741 Nov 18 14:04	0°♂	

	9742 Jan 01 09:25	0°♌			9746 Sep 20 11:38	0°♏		
	9742 Feb 26 06:23	0°♏			9746 Dec 02 02:09	0°♐		
retrograde	9742 Apr 04 21:54	8°♏16'35			9747 Jan 20 06:44	0°♑		
min. Earth dist.	9742 May 08 20:55	0°♏39'53	0.59532 AU		9747 Mar 04 17:38	0°♒		
	9742 May 10 13:47	30°♌			9747 Apr 14 00:48	0°♓		
opposition	9742 May 14 14:53	28°♌24'31	3°51'47		9747 May 22 13:49	0°♈		
greatest brilliancy	9742 May 13 20:48	28°♌42'17	-1.7m	asc. node	9747 May 26 19:25	3°♈20'27		
direct	9742 Jun 21 02:40	19°♌49'41			9747 Jun 29 11:15	0°♉		
	9742 Aug 06 01:08	0°♏		evening set	9747 Jul 02 03:28	2°♉07'04		
desc. node	9742 Sep 05 05:08	13°♏12'47			9747 Aug 06 16:42	0°♊		
	9742 Oct 07 16:28	0°♐						
	9742 Nov 28 20:57	0°♑		conjunction	9747 Sep 09 22:39	26°♊08'24	1°00'19	
	9743 Jan 16 01:46	0°♒		minimum elong	9747 Sep 09 20:19	26°♊04'03	1°00'16	
	9743 Mar 02 06:53	0°♓			9747 Sep 15 02:34	0°♋		
evening set	9743 Mar 04 02:07	1°♓13'59			9747 Oct 26 08:19	0°♌		
max. Earth dist.	9743 Mar 18 14:43	11°♓17'15	2.50392 AU	max. Earth dist.	9747 Oct 27 04:02	0°♌34'58	2.47112 AU	
	9743 Apr 13 22:27	0°♔		morning rise	9747 Nov 10 12:48	10°♌39'49		
					9747 Dec 08 20:12	0°♍		
conjunction	9743 Apr 23 23:55	7°♔19'05	-1°04'03		9748 Jan 23 21:11	0°♎		
minimum elong	9743 Apr 24 01:05	7°♔21'14	1°04'15		9748 Mar 13 03:00	0°♏		
	9743 May 24 11:23	0°♓		desc. node	9748 Apr 27 04:24	24°♏47'04		
morning rise	9743 Jun 21 15:20	21°♓33'31			9748 May 07 17:23	0°♐		
	9743 Jul 02 12:19	0°♈		retrograde	9748 Jul 19 08:25	21°♐39'16		
	9743 Aug 09 18:48	0°♉		opposition	9748 Aug 26 18:37	13°♐02'17	-3°54'13	
asc. node	9743 Aug 21 23:03	9°♉34'02		greatest brilliancy	9748 Aug 27 11:42	12°♐45'56	-1.5m	
	9743 Sep 17 03:05	0°♊		min. Earth dist.	9748 Sep 01 09:22	10°♐53'31	0.62070 AU	
	9743 Oct 26 11:46	0°♋		direct	9748 Oct 07 00:11	3°♐05'52		
	9743 Dec 06 22:50	0°♌			9748 Dec 23 14:25	0°♑		
	9744 Jan 21 04:27	0°♍			9749 Feb 08 22:53	0°♒		
	9744 Mar 15 12:43	0°♎			9749 Mar 22 10:29	0°♓		
retrograde	9744 May 09 14:34	14°♎49'03		asc. node	9749 Apr 12 20:12	16°♓18'35		
min. Earth dist.	9744 Jun 17 06:30	5°♎40'37	0.66917 AU		9749 Apr 30 11:24	0°♈		
opposition	9744 Jun 19 05:51	4°♎53'34	1°11'13		9749 Jun 07 17:36	0°♉		
greatest brilliancy	9744 Jun 19 04:06	4°♎55'18	-1.4m		9749 Jul 16 09:25	0°♊		
	9744 Jul 02 07:54	30°♌			9749 Aug 25 08:06	0°♋		
desc. node	9744 Jul 23 07:46	25°♏36'03		evening set	9749 Sep 09 01:00	10°♋43'19		
direct	9744 Jul 29 12:15	25°♏21'49			9749 Oct 06 03:06	0°♌		
	9744 Aug 28 08:51	0°♐						
	9744 Nov 04 18:02	0°♑		conjunction	9749 Nov 04 05:26	20°♌03'32	0°58'33	
	9744 Dec 26 02:49	0°♒		minimum elong	9749 Nov 04 06:47	20°♌05'50	0°58'49	
	9745 Feb 10 04:13	0°♓			9749 Nov 18 23:43	0°♍		
	9745 Mar 24 19:27	0°♔		max. Earth dist.	9749 Nov 29 19:11	7°♍11'24	2.59335 AU	
evening set	9745 Apr 22 08:39	21°♔09'41		morning rise	9749 Dec 24 03:40	23°♍07'43		
	9745 May 03 23:55	0°♓			9750 Jan 03 19:23	0°♎		
max. Earth dist.	9745 May 25 07:04	16°♓26'19	2.37358 AU		9750 Feb 20 09:22	0°♏		
	9745 Jun 11 14:42	0°♈		desc. node	9750 Mar 14 22:30	13°♏50'05		
					9750 Apr 10 21:27	0°♐		
conjunction	9745 Jun 25 14:35	11°♈02'43	-0°09'37		9750 Jun 02 23:49	0°♑		
minimum elong	9745 Jun 25 15:37	11°♈04'46	0°09'59		9750 Aug 13 04:06	0°♒		
behind sun begin	9745 Jun 24 15:54	10°♈17'53		retrograde	9750 Sep 05 09:31	2°♒57'53		
behind sun end	9745 Jun 26 15:20	11°♈51'40			9750 Sep 27 04:01	30°♌		
asc. node	9745 Jul 08 20:38	21°♈32'16		opposition	9750 Oct 10 07:17	25°♑50'20	-5°32'46	
	9745 Jul 19 12:59	0°♉		greatest brilliancy	9750 Oct 12 00:22	25°♑14'13	-2.1m	
	9745 Aug 26 16:13	0°♊		min. Earth dist.	9750 Oct 18 22:03	22°♑49'16	0.50269 AU	
morning rise	9745 Sep 07 02:32	8°♊51'30		direct	9750 Nov 17 14:53	17°♑05'34		
	9745 Oct 04 21:08	0°♋			9751 Jan 03 21:48	0°♒		
	9745 Nov 14 22:35	0°♌			9751 Feb 23 04:24	0°♓		
	9745 Dec 28 15:10	0°♍		asc. node	9751 Mar 01 00:04	4°♓00'15		
	9746 Feb 14 03:00	0°♎			9751 Apr 05 23:02	0°♈		
	9746 Apr 10 15:59	0°♏			9751 May 15 18:06	0°♉		
desc. node	9746 Jun 10 08:01	17°♏35'42			9751 Jun 24 15:27	0°♊		
retrograde	9746 Jun 12 19:06	17°♏37'56			9751 Aug 04 17:45	0°♋		
opposition	9746 Jul 22 23:23	8°♏09'59	-1°27'17		9751 Sep 16 14:05	0°♌		
greatest brilliancy	9746 Jul 23 00:56	8°♏08'28	-1.3m	evening set	9751 Oct 28 16:32	28°♌17'40		
min. Earth dist.	9746 Jul 24 19:05	7°♏27'00	0.67800 AU		9751 Oct 31 06:36	0°♍		
	9746 Aug 16 13:15	30°♌						
direct	9746 Sep 02 13:04	28°♓10'25		conjunction	9751 Dec 15 17:38	29°♏31'29	0°23'51	

minimum elong	9751 Dec 15 18:25	29° ♄ 32'44	0°24'13			9757 Jan 15 01:16	0° ♍	
	9751 Dec 16 11:25	0° ♄		retrograde		9757 Mar 20 07:54	21° ♍ 42'03	
max. Earth dist.	9751 Dec 24 18:34	5° ♄ 18'39	2.66487 AU	min. Earth dist.		9757 Apr 21 00:54	14° ♍ 52'27	0.55028 AU
morning rise	9752 Jan 29 13:39	28° ♄ 03'18		greatest brilliancy		9757 Apr 26 23:45	12° ♍ 35'31	-1.9m
desc. node	9752 Jan 30 16:55	28° ♄ 46'25		opposition		9757 Apr 28 03:41	12° ♍ 08'41	4°48'17
	9752 Feb 01 15:29	0° \approx		direct		9757 Jun 03 02:58	4° ♍ 07'37	
	9752 Mar 20 06:39	0° ♄				9757 Aug 22 12:42	0° ♄	
	9752 May 07 04:48	0° ♄		desc. node		9757 Sep 21 17:49	15° ♄ 52'21	
	9752 Jun 24 19:11	0° ♄				9757 Oct 16 21:39	0° ♄	
	9752 Aug 14 16:51	0° ♍				9757 Dec 06 09:59	0° \approx	
	9752 Oct 18 14:26	0° ♄				9758 Jan 23 02:02	0° ♄	
retrograde	9752 Nov 14 16:55	4° ♄ 15'19		evening set		9758 Feb 15 23:14	15° ♄ 40'04	
	9752 Dec 11 20:10	30° ♍ II		max. Earth dist.		9758 Mar 05 05:05	27° ♄ 15'40	2.55200 AU
opposition	9752 Dec 14 16:11	29° ♍ 13'57	-2°24'59			9758 Mar 09 05:36	0° ♄	
greatest brilliancy	9752 Dec 15 04:47	29° ♍ 05'20	-3.0m					
min. Earth dist.	9752 Dec 18 22:24	28° ♍ 04'10	0.37691 AU	conjunction		9758 Apr 05 00:35	18° ♄ 35'26	-1°08'06
direct	9753 Jan 14 16:42	23° ♍ 45'14		minimum elong		9758 Apr 05 00:36	18° ♄ 35'28	1°08'11
asc. node	9753 Jan 16 02:35	23° ♍ 46'03				9758 Apr 21 01:15	0° ♄	
	9753 Feb 14 23:52	0° ♄		morning rise		9758 May 28 00:09	27° ♄ 06'34	
	9753 Apr 12 08:17	0° Ω				9758 May 31 20:43	0° ♍	
	9753 May 27 21:58	0° ♍				9758 Jul 10 04:27	0° ♄	
	9753 Jul 11 10:23	0° Ω				9758 Aug 17 16:40	0° Ω	
	9753 Aug 25 15:53	0° ♍		asc. node		9758 Sep 07 18:09	16° Ω 26'57	
	9753 Oct 10 23:44	0° ♄				9758 Sep 25 05:18	0° ♍	
	9753 Nov 27 03:39	0° ♄				9758 Nov 03 18:43	0° Ω	
evening set	9753 Dec 05 20:07	5° ♄ 29'40				9758 Dec 15 16:50	0° ♍	
desc. node	9753 Dec 17 13:40	12° ♄ 54'51				9759 Jan 31 13:26	0° ♄	
	9754 Jan 13 13:20	0° \approx				9759 Apr 11 06:38	0° ♄	
max. Earth dist.	9754 Jan 15 05:16	1° \approx 03'23	2.68134 AU	retrograde		9759 Apr 27 04:53	1° ♄ 34'27	
						9759 May 12 10:34	30° ♍ ♄	
conjunction	9754 Jan 19 15:00	3° \approx 51'13	-0°17'14	min. Earth dist.		9759 Jun 03 04:57	22° ♄ 57'30	0.64789 AU
minimum elong	9754 Jan 19 14:30	3° \approx 50'25	0°16'55	opposition		9759 Jun 06 15:57	21° ♄ 35'01	2°13'59
	9754 Mar 01 12:59	0° ♄		greatest brilliancy		9759 Jun 06 09:45	21° ♄ 41'11	-1.4m
morning rise	9754 Mar 04 01:53	1° ♄ 38'03		direct		9759 Jul 16 00:28	12° ♄ 21'18	
	9754 Apr 16 15:23	0° ♄		desc. node		9759 Aug 09 20:35	15° ♄ 40'20	
	9754 May 31 15:33	0° ♄				9759 Sep 18 08:24	0° ♄	
	9754 Jul 14 13:24	0° ♍				9759 Nov 15 03:06	0° \approx	
	9754 Aug 26 15:14	0° ♄				9760 Jan 03 20:14	0° ♄	
	9754 Oct 08 17:40	0° Ω				9760 Feb 18 11:00	0° ♄	
	9754 Nov 23 22:20	0° ♍		evening set		9760 Mar 31 18:47	29° ♄ 48'17	
asc. node	9754 Dec 04 01:38	5° ♍ 48'45				9760 Apr 01 01:14	0° ♄	
retrograde	9755 Jan 30 04:13	24° ♍ 33'10		max. Earth dist.		9760 Apr 16 04:48	11° ♄ 06'32	2.42119 AU
min. Earth dist.	9755 Feb 25 07:38	19° ♍ 56'56	0.41441 AU			9760 May 11 08:15	0° ♍	
greatest brilliancy	9755 Mar 03 14:53	17° ♍ 56'29	-2.7m					
opposition	9755 Mar 05 03:40	17° ♍ 26'52	5°19'32	conjunction		9760 May 28 19:31	13° ♍ 24'45	-0°38'55
direct	9755 Apr 05 04:17	11° ♍ 34'33		minimum elong		9760 May 28 22:13	13° ♍ 29'57	0°39'15
	9755 Jun 06 02:06	0° Ω				9760 Jun 19 02:17	0° ♄	
	9755 Jul 31 07:37	0° ♍		asc. node		9760 Jul 25 12:56	28° ♄ 44'38	
	9755 Sep 19 20:16	0° ♄				9760 Jul 27 03:05	0° Ω	
desc. node	9755 Nov 04 14:34	27° ♄ 51'04		morning rise		9760 Aug 06 11:58	8° Ω 11'25	
	9755 Nov 08 02:33	0° ♄				9760 Sep 03 07:21	0° ♍	
	9755 Dec 26 09:43	0° \approx				9760 Oct 12 12:14	0° Ω	
evening set	9756 Jan 10 15:24	9° \approx 37'28				9760 Nov 22 14:42	0° ♍	
max. Earth dist.	9756 Feb 07 03:04	27° \approx 14'07	2.64278 AU			9761 Jan 05 14:40	0° ♄	
	9756 Feb 11 09:27	0° ♄				9761 Feb 23 10:47	0° ♄	
						9761 Apr 29 07:58	0° \approx	
conjunction	9756 Feb 24 07:04	8° ♄ 25'14	-0°52'20	retrograde		9761 May 30 08:43	5° \approx 10'35	
minimum elong	9756 Feb 24 05:57	8° ♄ 23'24	0°52'10	desc. node		9761 Jun 26 21:29	0° \approx 21'31	
	9756 Mar 27 17:20	0° ♄				9761 Jun 27 22:47	30° ♍ ♄	
morning rise	9756 Apr 09 16:44	8° ♄ 48'45		opposition		9761 Jul 09 21:08	25° ♄ 29'13	-0°26'53
	9756 May 10 06:03	0° ♄		greatest brilliancy		9761 Jul 09 21:04	25° ♄ 29'16	-1.3m
	9756 Jun 21 01:34	0° ♍		min. Earth dist.		9761 Jul 10 05:09	25° ♄ 21'17	0.68254 AU
	9756 Jul 31 11:22	0° ♄		direct		9761 Aug 20 02:56	15° ♄ 37'24	
	9756 Sep 09 00:48	0° Ω				9761 Oct 15 12:08	0° \approx	
	9756 Oct 18 16:18	0° ♍				9761 Dec 11 23:48	0° ♄	
asc. node	9756 Oct 20 22:32	1° ♍ 41'13				9762 Jan 28 11:45	0° ♄	
	9756 Nov 29 00:47	0° Ω				9762 Mar 12 11:59	0° ♄	

	9762 Apr 21 16:43	0°♊			9766 Dec 23 06:37	0°♊
	9762 May 30 05:22	0°♋	morning rise		9767 Jan 15 22:01	15°♊05'58
evening set	9762 Jun 02 04:47	2°♋20'54			9767 Feb 08 12:03	0°♋
asc. node	9762 Jun 12 11:48	10°♋29'30	desc. node		9767 Feb 16 07:26	4°♋54'07
	9762 Jul 07 02:08	0°♌			9767 Mar 28 15:30	0°♌
					9767 May 16 21:20	0°♍
conjunction	9762 Aug 12 13:51	28°♌42'39 0°41'01			9767 Jul 07 16:18	0°♎
minimum elong	9762 Aug 12 10:18	28°♌35'45 0°40'45			9767 Sep 09 01:30	0°♏
	9762 Aug 14 05:36	0°♐	retrograde		9767 Oct 15 07:50	6°♏59'34
	9762 Sep 22 12:13	0°♑	opposition		9767 Nov 16 03:54	1°♏12'42 -4°46'33
max. Earth dist.	9762 Oct 05 07:17	9°♑30'09 2.41482 AU	greatest brilliancy		9767 Nov 17 15:47	0°♏45'02 -2.6m
morning rise	9762 Oct 19 15:03	19°♑58'03			9767 Nov 20 02:08	30°♐♌
	9762 Nov 02 14:43	0°♒	min. Earth dist.		9767 Nov 23 22:22	28°♐50'14 0.41756 AU
	9762 Dec 16 01:47	0°♓	direct		9767 Dec 20 08:31	24°♐20'18
	9763 Jan 31 10:26	0°♊			9768 Jan 18 19:12	0°♑
	9763 Mar 23 01:21	0°♋	asc. node		9768 Feb 02 17:17	6°♑18'04
desc. node	9763 May 14 19:25	26°♋00'34			9768 Mar 14 14:10	0°♋
	9763 May 25 06:19	0°♌			9768 Apr 27 04:12	0°♌
retrograde	9763 Jul 04 23:30	8°♌09'49			9768 Jun 08 04:41	0°♍
	9763 Aug 11 02:16	30°♍			9768 Jul 20 19:23	0°♎
opposition	9763 Aug 13 06:28	29°♍09'36 -2°59'33			9768 Sep 02 19:37	0°♏
greatest brilliancy	9763 Aug 13 15:41	29°♍00'41 -1.4m			9768 Oct 18 08:11	0°♐
min. Earth dist.	9763 Aug 17 09:50	27°♍33'16 0.65112 AU	evening set		9768 Nov 21 07:08	21°♐52'11
direct	9763 Sep 23 20:55	19°♍06'56			9768 Dec 04 00:46	0°♑
	9763 Nov 09 07:35	0°♒	desc. node		9769 Jan 03 04:13	19°♑09'27
	9764 Jan 05 01:10	0°♓				
	9764 Feb 19 03:29	0°♊	conjunction		9769 Jan 05 22:42	20°♑54'55 -0°01'29
	9764 Mar 30 23:13	0°♋	minimum elong		9769 Jan 05 22:41	20°♑54'54 0°01'07
asc. node	9764 Apr 29 13:08	22°♋49'05	behind sun begin		9769 Jan 05 04:16	20°♑25'41
	9764 May 08 17:08	0°♌	behind sun end		9769 Jan 06 17:07	21°♑24'06
	9764 Jun 15 18:10	0°♍	max. Earth dist.		9769 Jan 06 12:02	21°♑16'01 2.68138 AU
	9764 Jul 24 04:14	0°♎			9769 Jan 20 06:27	0°♏
evening set	9764 Aug 15 08:45	16°♎55'53	morning rise		9769 Feb 18 13:52	18°♏37'18
	9764 Sep 01 20:07	0°♏			9769 Mar 08 09:57	0°♌
	9764 Oct 13 08:14	0°♐			9769 Apr 24 01:23	0°♍
					9769 Jun 09 01:31	0°♎
conjunction	9764 Oct 15 18:40	1°♐42'52 1°05'38			9769 Jul 24 13:45	0°♏
minimum elong	9764 Oct 15 19:20	1°♐44'02 1°05'48			9769 Sep 08 05:27	0°♐
max. Earth dist.	9764 Nov 18 05:32	24°♐46'50 2.55071 AU			9769 Oct 26 15:52	0°♑
	9764 Nov 25 23:30	0°♓	asc. node		9769 Dec 20 19:13	23°♑14'09
morning rise	9764 Dec 08 06:42	8°♓11'42	retrograde		9770 Jan 03 18:41	24°♑33'19
	9765 Jan 10 18:40	0°♊	min. Earth dist.		9770 Jan 30 03:59	20°♑15'01 0.37508 AU
	9765 Feb 27 18:24	0°♋	opposition		9770 Feb 03 21:32	18°♑55'53 3°18'40
desc. node	9765 Mar 31 13:37	19°♋00'14	greatest brilliancy		9770 Feb 03 05:31	19°♑07'05 -3.0m
	9765 Apr 19 16:54	0°♌	direct		9770 Mar 05 06:11	13°♑54'19
	9765 Jun 17 06:30	0°♍			9770 Apr 29 21:56	0°♎
retrograde	9765 Aug 15 18:22	15°♍39'40			9770 Jun 22 20:34	0°♏
opposition	9765 Sep 21 07:51	7°♍50'51 -5°06'42			9770 Aug 10 19:56	0°♐
greatest brilliancy	9765 Sep 22 16:17	7°♍21'01 -1.8m			9770 Sep 28 03:04	0°♑
min. Earth dist.	9765 Sep 29 00:42	5°♍01'12 0.55498 AU			9770 Nov 15 08:37	0°♒
	9765 Oct 15 23:30	30°♒♌	desc. node		9770 Nov 21 03:28	3°♒36'29
direct	9765 Oct 31 05:12	28°♒25'08	evening set		9770 Dec 27 18:45	26°♒34'15
	9765 Nov 15 20:29	0°♓			9771 Jan 02 05:10	0°♊
	9766 Jan 21 14:06	0°♊	max. Earth dist.		9771 Jan 29 02:05	17°♋05'05 2.66428 AU
	9766 Mar 06 21:28	0°♋				
asc. node	9766 Mar 17 15:03	7°♋50'47	conjunction		9771 Feb 10 03:19	24°♋49'40 -0°40'09
	9766 Apr 16 00:46	0°♌	minimum elong		9771 Feb 10 02:18	24°♋48'01 0°39'54
	9766 May 24 23:09	0°♍			9771 Feb 18 03:22	0°♌
	9766 Jul 03 04:49	0°♎	morning rise		9771 Mar 26 07:38	23°♌44'16
	9766 Aug 12 16:58	0°♏			9771 Apr 04 16:50	0°♍
	9766 Sep 24 00:48	0°♐			9771 May 18 16:39	0°♎
evening set	9766 Oct 11 02:36	11°♐43'26			9771 Jun 30 03:25	0°♏
	9766 Nov 07 07:17	0°♑			9771 Aug 10 06:45	0°♐
					9771 Sep 19 15:55	0°♑
conjunction	9766 Nov 30 14:30	15°♑19'38 0°38'56			9771 Oct 30 09:44	0°♒
minimum elong	9766 Nov 30 15:43	15°♑21'36 0°39'18	asc. node		9771 Nov 07 16:09	5°♒55'37
max. Earth dist.	9766 Dec 15 17:23	25°♑08'06 2.64319 AU			9771 Dec 13 02:15	0°♓

	9772 Feb 12 16:26	0°♌			9777 Mar 19 23:19	0°♏	
retrograde	9772 Mar 02 22:50	2°♌34'06			9777 Apr 29 04:17	0°♐	
	9772 Mar 21 16:44	30°♌♎		evening set	9777 May 05 23:59	5°♐14'01	
min. Earth dist.	9772 Apr 01 05:45	26°♎38'18	0.49806 AU		9777 Jun 06 18:28	0°♑	
greatest brilliancy	9772 Apr 07 20:50	24°♎12'26	-2.1m	asc. node	9777 Jun 29 05:01	17°♑44'25	
opposition	9772 Apr 09 10:08	23°♎38'04	5°31'27				
direct	9772 May 13 13:31	16°♎20'24		conjunction	9777 Jul 12 15:13	28°♑22'57	0°09'46
	9772 Jul 05 20:58	0°♌		minimum elong	9777 Jul 12 14:09	28°♑20'51	0°09'24
	9772 Sep 03 05:09	0°♏		behind sun begin	9777 Jul 11 12:49	27°♑30'40	
desc. node	9772 Oct 08 05:41	19°♏59'07		behind sun end	9777 Jul 13 15:29	29°♑11'01	
	9772 Oct 25 05:49	0°♐			9777 Jul 14 16:13	0°♒	
	9772 Dec 13 15:50	0°♑		max. Earth dist.	9777 Aug 09 13:16	20°♒25'27	2.36718 AU
	9773 Jan 29 23:32	0°♒			9777 Aug 21 19:11	0°♓	
evening set	9773 Jan 31 21:57	1°♒15'18		morning rise	9777 Sep 23 13:45	25°♓10'00	
max. Earth dist.	9773 Feb 21 17:17	14°♒55'13	2.59350 AU		9777 Sep 29 23:49	0°♈	
	9773 Mar 16 03:48	0°♓			9777 Nov 10 00:19	0°♌	
					9777 Dec 23 12:43	0°♏	
conjunction	9773 Mar 19 02:04	1°♓59'43	-1°05'31		9778 Feb 08 10:30	0°♐	
minimum elong	9773 Mar 19 01:20	1°♓58'29	1°05'31		9778 Apr 02 10:28	0°♑	
	9773 Apr 28 05:00	0°♏		desc. node	9778 May 31 09:37	23°♑02'12	
morning rise	9773 May 07 03:10	6°♏23'52		retrograde	9778 Jun 20 15:37	25°♑19'29	
	9773 Jun 08 08:27	0°♐		opposition	9778 Jul 30 14:00	16°♑00'23	-2°01'59
	9773 Jul 18 00:23	0°♑		greatest brilliancy	9778 Jul 30 17:37	15°♑56'50	-1.3m
	9773 Aug 25 19:57	0°♒		min. Earth dist.	9778 Aug 02 05:41	14°♑58'01	0.67128 AU
asc. node	9773 Sep 24 11:43	22°♒58'03		direct	9778 Sep 10 05:53	5°♑58'05	
	9773 Oct 03 15:17	0°♓			9778 Nov 24 14:18	0°♒	
	9773 Nov 12 13:36	0°♈			9779 Jan 14 14:08	0°♓	
	9773 Dec 25 09:20	0°♌			9779 Feb 27 12:50	0°♏	
	9774 Feb 13 21:16	0°♏			9779 Apr 09 00:04	0°♐	
retrograde	9774 Apr 13 06:31	17°♏25'52		asc. node	9779 May 17 03:54	29°♐39'14	
min. Earth dist.	9774 May 18 09:26	9°♏25'37	0.61684 AU		9779 May 17 14:26	0°♑	
opposition	9774 May 23 07:43	7°♏28'46	3°16'34	greatest brilliancy	9779 May 28 20:41	8°♑53'18	1.2m
greatest brilliancy	9774 May 22 18:36	7°♏41'45	-1.6m		9779 Jun 24 12:43	0°♒	
	9774 Jun 15 23:51	30°♌♎		evening set	9779 Jul 19 02:29	19°♒20'23	
direct	9774 Jun 30 12:52	28°♌38'13			9779 Aug 01 19:13	0°♓	
	9774 Jul 15 22:04	0°♏			9779 Sep 10 06:18	0°♈	
desc. node	9774 Aug 26 08:55	13°♏06'24					
	9774 Sep 30 19:39	0°♐		conjunction	9779 Sep 24 06:18	10°♎20'16	1°05'19
	9774 Nov 23 12:28	0°♑		minimum elong	9779 Sep 24 05:17	10°♎18'23	1°05'22
	9775 Jan 11 04:59	0°♒			9779 Oct 21 13:21	0°♌	
	9775 Feb 25 13:53	0°♓		max. Earth dist.	9779 Nov 05 10:59	10°♌27'36	2.50117 AU
evening set	9775 Mar 13 20:42	11°♓14'52		morning rise	9779 Nov 21 14:08	21°♌34'01	
max. Earth dist.	9775 Mar 27 12:47	20°♓53'18	2.47539 AU		9779 Dec 04 01:08	0°♏	
	9775 Apr 09 05:33	0°♏			9780 Jan 18 22:17	0°♐	
					9780 Mar 07 13:27	0°♑	
conjunction	9775 May 05 20:54	19°♏35'31	-0°57'56	desc. node	9780 Apr 17 05:50	23°♑16'46	
minimum elong	9775 May 05 22:49	19°♏39'07	0°58'11		9780 Apr 29 20:16	0°♒	
	9775 May 19 16:53	0°♐			9780 Jul 21 15:55	0°♓	
	9775 Jun 27 15:27	0°♑		retrograde	9780 Jul 28 17:27	0°♓17'39	
morning rise	9775 Jul 07 09:10	7°♑37'13			9780 Aug 04 15:37	30°♌♎	
	9775 Aug 04 19:39	0°♒		opposition	9780 Sep 04 14:00	21°♒55'54	-4°23'24
greatest brilliancy	9775 Aug 06 14:55	1°♒25'13	1.2m	greatest brilliancy	9780 Sep 05 12:22	21°♒34'44	-1.6m
asc. node	9775 Aug 12 08:13	5°♒55'37		min. Earth dist.	9780 Sep 10 23:40	19°♒30'39	0.59992 AU
	9775 Sep 12 01:46	0°♓		direct	9780 Oct 15 11:23	12°♒06'43	
	9775 Oct 21 07:38	0°♈			9780 Dec 14 10:22	0°♓	
	9775 Dec 01 13:20	0°♌			9781 Feb 02 12:47	0°♏	
	9776 Jan 15 03:06	0°♏			9781 Mar 16 17:55	0°♐	
	9776 Mar 06 11:54	0°♐		asc. node	9781 Apr 03 06:37	13°♐12'26	
retrograde	9776 May 17 04:32	22°♐39'42			9781 Apr 25 01:59	0°♑	
opposition	9776 Jun 26 20:05	12°♐48'13	0°34'40		9781 Jun 02 12:29	0°♒	
min. Earth dist.	9776 Jun 25 16:43	13°♐15'24	0.67678 AU		9781 Jul 11 07:50	0°♓	
greatest brilliancy	9776 Jun 26 19:42	12°♐48'36	-1.3m		9781 Aug 20 09:45	0°♈	
desc. node	9776 Jul 13 10:41	6°♐46'46		evening set	9781 Sep 21 09:58	23°♎02'03	
direct	9776 Aug 06 12:09	3°♐08'05			9781 Oct 01 07:58	0°♌	
	9776 Oct 28 16:38	0°♑					
	9776 Dec 20 16:07	0°♒		conjunction	9781 Nov 14 06:03	29°♌58'46	0°52'14
	9777 Feb 05 04:43	0°♓		minimum elong	9781 Nov 14 07:28	0°♏01'08	0°52'33

	9781 Nov 14 06:47	0°♊		asc. node	9786 Nov 24 10:48	7°♎34'18	
max. Earth dist.	9781 Dec 05 20:48	14°♊16'08	2.61339 AU		9787 Jan 03 15:35	0°♊	
	9781 Dec 30 02:41	0°♊		retrograde	9787 Feb 11 23:51	9°♊51'32	
morning rise	9782 Jan 01 15:57	1°♊38'24		min. Earth dist.	9787 Mar 11 00:30	4°♊50'40	0.44281 AU
	9782 Feb 15 12:05	0°♊		greatest brilliancy	9787 Mar 17 17:51	2°♊33'46	-2.5m
desc. node	9782 Mar 04 23:46	10°♊50'45		opposition	9787 Mar 19 10:55	1°♊58'41	5°42'26
	9782 Apr 05 09:26	0°♊			9787 Mar 25 11:32	30°♎	
	9782 May 26 16:02	0°♊		direct	9787 Apr 20 12:39	25°♎34'28	
	9782 Jul 24 09:49	0°♊			9787 May 18 04:41	0°♊	
retrograde	9782 Sep 18 15:58	14°♊31'57			9787 Jul 23 09:39	0°♎	
opposition	9782 Oct 22 11:36	7°♊51'17	-5°32'40		9787 Sep 13 22:52	0°♊	
greatest brilliancy	9782 Oct 24 06:35	7°♊14'48	-2.3m	desc. node	9787 Oct 25 17:45	24°♊58'29	
min. Earth dist.	9782 Oct 31 04:43	4°♊54'46	0.47180 AU		9787 Nov 03 00:34	0°♊	
	9782 Nov 21 16:39	30°♎			9787 Dec 21 16:15	0°♊	
direct	9782 Nov 28 13:28	29°♊39'41		evening set	9788 Jan 18 15:20	17°♊40'38	
	9782 Dec 05 11:30	0°♊			9788 Feb 06 18:40	0°♊	
	9783 Feb 14 02:44	0°♎		max. Earth dist.	9788 Feb 12 15:36	3°♊49'12	2.62745 AU
asc. node	9783 Feb 19 09:14	3°♎22'11					
	9783 Mar 29 21:16	0°♎		conjunction	9788 Mar 03 15:44	16°♊59'19	-0°58'13
	9783 May 09 12:32	0°♎		minimum elong	9788 Mar 03 14:40	16°♊57'32	0°58'07
	9783 Jun 18 22:49	0°♎			9788 Mar 23 01:28	0°♊	
	9783 Jul 30 10:39	0°♊		morning rise	9788 Apr 19 01:35	18°♊31'43	
	9783 Sep 11 14:34	0°♎			9788 May 05 10:08	0°♊	
	9783 Oct 26 12:28	0°♊			9788 Jun 16 00:01	0°♎	
evening set	9783 Nov 06 22:12	7°♊27'24			9788 Jul 26 03:06	0°♎	
	9783 Dec 11 20:26	0°♊			9788 Sep 03 09:21	0°♎	
				asc. node	9788 Oct 11 07:11	28°♎58'24	
conjunction	9783 Dec 23 22:39	7°♊43'41	0°14'37		9788 Oct 12 15:44	0°♎	
minimum elong	9783 Dec 23 23:08	7°♊44'27	0°15'00		9788 Nov 22 06:49	0°♊	
behind sun begin	9783 Dec 23 16:49	7°♊34'25			9789 Jan 05 23:43	0°♎	
behind sun end	9783 Dec 24 05:26	7°♊54'30			9789 Mar 12 13:59	0°♊	
max. Earth dist.	9783 Dec 29 21:50	11°♊31'45	2.67308 AU	retrograde	9789 Mar 29 09:48	1°♊52'06	
desc. node	9784 Jan 20 18:43	25°♊25'13			9789 Apr 14 13:17	30°♎	
	9784 Jan 28 00:14	0°♊		min. Earth dist.	9789 May 01 09:11	24°♎35'25	0.57606 AU
morning rise	9784 Feb 06 05:05	5°♊49'29		opposition	9789 May 07 17:56	22°♎06'47	4°16'51
	9784 Mar 15 10:23	0°♊		greatest brilliancy	9789 May 06 19:43	22°♎28'27	-1.8m
	9784 May 01 19:42	0°♊		direct	9789 Jun 13 13:56	13°♎46'00	
	9784 Jun 18 06:26	0°♊			9789 Aug 12 23:56	0°♊	
	9784 Aug 05 11:40	0°♎		desc. node	9789 Sep 11 20:26	14°♊23'16	
	9784 Sep 26 09:56	0°♎			9789 Oct 10 20:51	0°♊	
retrograde	9784 Dec 03 07:15	22°♎12'19			9789 Dec 01 07:42	0°♊	
opposition	9785 Jan 02 01:47	17°♎17'45	-0°20'32		9790 Jan 18 07:54	0°♊	
greatest brilliancy	9785 Jan 02 02:42	17°♎17'08	-3.1m	evening set	9790 Feb 24 23:13	24°♊50'07	
min. Earth dist.	9785 Jan 03 02:38	17°♎01'13	0.36602 AU		9790 Mar 04 13:42	0°♊	
asc. node	9785 Jan 06 10:25	16°♎08'40		max. Earth dist.	9790 Mar 12 11:42	5°♊25'55	2.52620 AU
direct	9785 Jan 31 20:37	12°♎18'29					
	9785 Mar 29 20:21	0°♎		conjunction	9790 Apr 15 10:53	29°♊21'42	-1°06'45
	9785 May 19 12:03	0°♎		minimum elong	9790 Apr 15 11:32	29°♊22'52	1°06'54
	9785 Jul 04 20:37	0°♊			9790 Apr 16 08:11	0°♊	
	9785 Aug 20 01:16	0°♎			9790 May 27 00:59	0°♎	
	9785 Oct 05 22:32	0°♊		morning rise	9790 Jun 10 08:05	10°♎50'18	
	9785 Nov 22 10:10	0°♊			9790 Jul 05 05:24	0°♎	
desc. node	9785 Dec 07 16:51	9°♊37'38			9790 Aug 12 14:29	0°♎	
evening set	9785 Dec 13 21:19	13°♊31'35		asc. node	9790 Aug 29 01:21	12°♎53'43	
	9786 Jan 08 23:00	0°♊			9790 Sep 20 00:16	0°♎	
max. Earth dist.	9786 Jan 20 06:42	7°♊11'07	2.67771 AU		9790 Oct 29 09:40	0°♊	
					9790 Dec 09 23:03	0°♎	
conjunction	9786 Jan 27 09:15	11°♊42'36	-0°26'04		9791 Jan 24 15:10	0°♊	
minimum elong	9786 Jan 27 08:32	11°♊41'26	0°25'46		9791 Mar 22 23:57	0°♊	
	9786 Feb 24 21:53	0°♊		retrograde	9791 May 04 22:31	9°♊44'15	
morning rise	9786 Mar 11 22:41	9°♊44'18		min. Earth dist.	9791 Jun 11 21:26	0°♊49'02	0.66084 AU
	9786 Apr 11 19:32	0°♊			9791 Jun 13 22:43	30°♎	
	9786 May 26 10:17	0°♊		opposition	9791 Jun 14 12:17	29°♊46'29	1°37'17
	9786 Jul 08 18:01	0°♎		greatest brilliancy	9791 Jun 14 08:57	29°♊49'49	-1.4m
	9786 Aug 19 23:23	0°♎		direct	9791 Jul 24 09:08	20°♊22'13	
	9786 Sep 30 18:03	0°♎		desc. node	9791 Jul 30 23:30	20°♊37'45	
	9786 Nov 12 20:17	0°♎			9791 Sep 07 08:43	0°♊	

	9791 Nov 09 00:05	0°♊		conjunction	9796 Oct 27 02:38	12°♌54'46	1°02'14
	9791 Dec 29 16:23	0°♋		minimum elong	9796 Oct 27 03:48	12°♌56'47	1°02'28
	9792 Feb 13 14:49	0°♌			9796 Nov 21 06:15	0°♍	
	9792 Mar 27 07:01	0°♍		max. Earth dist.	9796 Nov 24 23:59	2°♍30'08	2.57527 AU
evening set	9792 Apr 12 13:28	11°♍56'09		morning rise	9796 Dec 17 11:36	17°♍21'07	
max. Earth dist.	9792 May 03 20:57	27°♍56'40	2.39296 AU		9797 Jan 06 00:17	0°♎	
	9792 May 06 13:45	0°♎			9797 Feb 22 16:50	0°♏	
				desc. node	9797 Mar 21 15:13	16°♏22'28	
conjunction	9792 Jun 12 22:30	28°♎57'16	-0°23'23		9797 Apr 13 16:50	0°♐	
minimum elong	9792 Jun 13 00:39	29°♎01'29	0°23'44		9797 Jun 07 12:32	0°♑	
	9792 Jun 14 06:27	0°♏		retrograde	9797 Aug 27 01:27	25°♑39'30	
asc. node	9792 Jul 15 21:56	24°♏59'25		opposition	9797 Oct 01 17:33	18°♑12'16	-5°24'18
	9792 Jul 22 05:50	0°♐		greatest brilliancy	9797 Oct 03 07:17	17°♑38'17	-2.0m
morning rise	9792 Aug 24 10:38	26°♐09'01		min. Earth dist.	9797 Oct 09 23:58	15°♑14'05	0.52685 AU
	9792 Aug 29 09:02	0°♑		direct	9797 Nov 09 19:58	9°♑06'12	
	9792 Oct 07 12:48	0°♒			9798 Jan 12 01:27	0°♓	
	9792 Nov 17 13:02	0°♓			9798 Feb 27 23:11	0°♊	
	9792 Dec 31 06:20	0°♋		asc. node	9798 Mar 08 00:37	5°♊43'04	
	9793 Feb 17 03:01	0°♌			9798 Apr 09 21:53	0°♍	
	9793 Apr 15 23:48	0°♍			9798 May 19 06:08	0°♎	
retrograde	9793 Jun 07 00:21	12°♍48'55			9798 Jun 27 19:05	0°♏	
desc. node	9793 Jun 17 00:16	12°♍11'02			9798 Aug 07 13:27	0°♐	
opposition	9793 Jul 17 08:56	3°♍14'43	-1°02'29		9798 Sep 19 02:42	0°♑	
greatest brilliancy	9793 Jul 17 09:28	3°♍14'11	-1.3m	evening set	9798 Oct 21 08:17	21°♌52'28	
min. Earth dist.	9793 Jul 18 13:06	2°♍46'56	0.68126 AU		9798 Nov 02 13:26	0°♍	
	9793 Jul 25 17:51	30°♋3					
direct	9793 Aug 27 19:33	23°♓18'00		conjunction	9798 Dec 09 08:50	24°♋02'35	0°30'16
	9793 Oct 03 01:59	0°♏		minimum elong	9798 Dec 09 09:48	24°♋04'10	0°30'39
	9793 Dec 05 15:29	0°♋			9798 Dec 18 14:53	0°♌	
	9794 Jan 23 03:23	0°♌		max. Earth dist.	9798 Dec 21 02:33	1°♌35'44	2.65635 AU
	9794 Mar 07 11:01	0°♍		morning rise	9799 Jan 23 18:41	23°♌02'41	
	9794 Apr 16 18:23	0°♎			9799 Feb 03 18:47	0°♏	
	9794 May 25 07:48	0°♏		desc. node	9799 Feb 06 09:22	1°♏38'40	
asc. node	9794 Jun 02 20:42	6°♏44'35			9799 Mar 23 14:42	0°♐	
evening set	9794 Jun 18 19:52	19°♏23'32			9799 May 11 01:10	0°♑	
	9794 Jul 02 04:57	0°♐			9799 Jun 29 18:55	0°♒	
	9794 Aug 09 09:02	0°♑			9799 Aug 22 22:19	0°♊	
				retrograde	9799 Nov 01 09:54	22°♊07'43	
conjunction	9794 Aug 28 23:06	15°♑05'45	0°53'42	opposition	9799 Dec 02 02:36	16°♊49'09	-3°39'45
minimum elong	9794 Aug 28 19:55	14°♑59'40	0°53'32	greatest brilliancy	9799 Dec 03 02:51	16°♊31'43	-2.8m
	9794 Sep 17 16:17	0°♒		min. Earth dist.	9799 Dec 08 08:26	15°♊02'05	0.39244 AU
max. Earth dist.	9794 Oct 18 17:08	22°♒47'10	2.44592 AU	direct	9800 Jan 03 11:56	10°♊45'14	
	9794 Oct 28 19:05	0°♓		asc. node	9800 Jan 24 03:44	13°♊37'18	
morning rise	9794 Nov 01 10:04	2°♓34'12			9800 Mar 03 01:35	0°♏	
	9794 Dec 11 04:49	0°♋			9800 Apr 19 20:24	0°♎	
	9795 Jan 26 06:53	0°♌			9800 Jun 02 10:13	0°♏	
	9795 Mar 16 22:38	0°♍			9800 Jul 15 22:14	0°♐	
desc. node	9795 May 04 21:03	25°♍58'05			9800 Aug 29 12:13	0°♑	
	9795 May 13 15:37	0°♋			9800 Oct 14 09:58	0°♌	
retrograde	9795 Jul 13 13:51	16°♋15'57		evening set	9800 Nov 30 16:54	0°♓13'57	
opposition	9795 Aug 21 10:17	7°♋28'04	-3°31'46		9800 Nov 30 08:07	0°♓	
greatest brilliancy	9795 Aug 21 23:43	7°♋15'07	-1.5m	desc. node	9800 Dec 25 05:44	15°♓47'29	
min. Earth dist.	9795 Aug 26 09:43	5°♋33'05	0.63548 AU	max. Earth dist.	9801 Jan 12 13:03	27°♓23'36	2.68246 AU
	9795 Sep 12 02:55	30°♋					
direct	9795 Oct 01 20:59	27°♏27'41		conjunction	9801 Jan 14 19:18	28°♓49'37	-0°10'49
	9795 Oct 22 15:41	0°♋		minimum elong	9801 Jan 14 19:00	28°♓49'07	0°10'27
	9795 Dec 29 01:12	0°♌		behind sun begin	9801 Jan 14 04:51	28°♓26'42	
	9796 Feb 13 08:41	0°♍		behind sun end	9801 Jan 15 09:08	29°♓11'31	
	9796 Mar 25 14:00	0°♎			9801 Jan 16 15:42	0°♏	
asc. node	9796 Apr 19 20:49	19°♎22'14		morning rise	9801 Feb 27 06:25	26°♏30'23	
	9796 May 03 12:01	0°♏			9801 Mar 04 17:12	0°♐	
	9796 Jun 10 15:41	0°♐			9801 Apr 20 01:29	0°♑	
	9796 Jul 19 04:19	0°♑			9801 Jun 04 11:53	0°♒	
	9796 Aug 27 22:50	0°♒			9801 Jul 19 01:21	0°♊	
evening set	9796 Aug 29 18:00	1°♒19'37			9801 Sep 01 01:42	0°♍	
	9796 Oct 08 13:26	0°♓			9801 Oct 15 18:58	0°♎	
					9801 Dec 06 00:46	0°♏	

asc. node	9801 Dec 12 03:20	2°♎48'33			9807 Apr 05 11:56	0°♎	
retrograde	9802 Jan 20 06:19	12°♎24'38		max. Earth dist.	9807 Apr 08 04:06	1°♎56'23	2.44536 AU
min. Earth dist.	9802 Feb 15 03:21	8°♎02'19	0.39409 AU		9807 May 15 21:52	0°♎	
opposition	9802 Feb 21 22:41	5°♎59'31	4°42'12				
greatest brilliancy	9802 Feb 20 17:13	6°♎21'52	-2.8m	conjunction	9807 May 19 22:11	3°♎03'11	-0°48'26
direct	9802 Mar 24 03:57	0°♎32'37		minimum elong	9807 May 20 00:42	3°♎07'58	0°48'44
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	9802 Nov 11 10:47	0°♎		asc. node	9807 Aug 03 14:52	2°♎10'17	
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evening set	9803 Jan 05 16:51	4°♎30'44			9807 Nov 27 07:58	0°♎	
max. Earth dist.	9803 Feb 04 08:37	23°♎25'29	2.65349 AU		9808 Jan 10 10:54	0°♎	
	9803 Feb 14 12:53	0°♎			9808 Feb 29 00:10	0°♎	
					9808 May 18 05:01	0°♎	
conjunction	9803 Feb 19 03:43	2°♎59'56	-0°47'34	retrograde	9808 May 25 17:21	0°♎20'39	
minimum elong	9803 Feb 19 02:36	2°♎58'08	0°47'22		9808 Jun 02 01:47	30°♎	
	9803 Apr 01 00:06	0°♎		desc. node	9808 Jul 04 13:52	20°♎52'04	
morning rise	9803 Apr 04 22:04	2°♎38'12		opposition	9808 Jul 05 07:38	20°♎34'27	-0°01'32
	9803 May 14 18:26	0°♎		greatest brilliancy	9808 Jul 05 07:42	20°♎34'23	-1.3m
	9803 Jun 25 21:16	0°♎		min. Earth dist.	9808 Jul 05 00:09	20°♎41'52	0.68121 AU
	9803 Aug 05 14:49	0°♎		direct	9808 Aug 15 07:36	10°♎47'19	
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	9803 Oct 24 12:48	0°♎			9808 Dec 16 00:10	0°♎	
asc. node	9803 Oct 30 00:24	4°♎02'24			9809 Feb 01 03:21	0°♎	
	9803 Dec 05 13:46	0°♎			9809 Mar 16 02:21	0°♎	
	9804 Jan 24 09:24	0°♎			9809 Apr 25 08:12	0°♎	
retrograde	9804 Mar 14 02:56	14°♎15'56		evening set	9809 May 21 20:21	20°♎31'17	
min. Earth dist.	9804 Apr 13 17:46	7°♎49'37	0.52765 AU		9809 Jun 02 21:58	0°♎	
greatest brilliancy	9804 Apr 20 01:01	5°♎27'04	-2.0m	asc. node	9809 Jun 20 12:48	13°♎55'53	
opposition	9804 Apr 21 09:15	4°♎56'34	5°09'29		9809 Jul 10 19:00	0°♎	
	9804 May 06 02:53	30°♎					
direct	9804 May 26 14:11	27°♎13'30		conjunction	9809 Jul 31 03:55	16°♎06'08	0°28'34
	9804 Jun 17 12:25	0°♎		minimum elong	9809 Jul 31 00:58	16°♎00'20	0°28'15
	9804 Aug 27 22:52	0°♎			9809 Aug 17 21:41	0°♎	
desc. node	9804 Sep 29 08:55	17°♎44'37		max. Earth dist.	9809 Sep 21 03:29	26°♎16'22	2.39063 AU
	9804 Oct 20 17:03	0°♎			9809 Sep 26 02:24	0°♎	
	9804 Dec 09 17:52	0°♎		morning rise	9809 Oct 09 19:52	10°♎13'01	
	9805 Jan 26 07:07	0°♎			9809 Nov 06 02:30	0°♎	
evening set	9805 Feb 10 09:30	9°♎50'56			9809 Dec 19 12:22	0°♎	
max. Earth dist.	9805 Mar 01 03:21	22°♎18'41	2.57148 AU		9810 Feb 03 23:50	0°♎	
	9805 Mar 12 12:12	0°♎			9810 Mar 27 07:55	0°♎	
				desc. node	9810 May 22 12:14	25°♎47'18	
conjunction	9805 Mar 29 12:00	11°♎41'11	-1°07'43		9810 Jun 05 19:40	0°♎	
minimum elong	9805 Mar 29 11:39	11°♎40'34	1°07'47	retrograde	9810 Jun 29 17:22	3°♎06'21	
	9805 Apr 24 11:23	0°♎			9810 Jul 21 23:19	30°♎	
morning rise	9805 May 19 12:44	18°♎10'47		opposition	9810 Aug 08 08:00	23°♎57'18	-2°35'49
	9805 Jun 04 11:25	0°♎		greatest brilliancy	9810 Aug 08 14:31	23°♎50'57	-1.4m
	9805 Jul 13 23:24	0°♎		min. Earth dist.	9810 Aug 11 19:44	22°♎35'42	0.66148 AU
	9805 Aug 21 14:52	0°♎		direct	9810 Sep 18 23:48	13°♎53'58	
asc. node	9805 Sep 15 20:33	19°♎38'44			9810 Nov 16 16:49	0°♎	
	9805 Sep 29 05:55	0°♎			9811 Jan 09 13:25	0°♎	
	9805 Nov 07 21:35	0°♎			9811 Feb 23 04:25	0°♎	
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retrograde	9806 Apr 22 08:19	26°♎07'47			9811 May 13 14:08	0°♎	
min. Earth dist.	9806 May 28 12:45	17°♎46'16	0.63513 AU		9811 Jun 20 13:38	0°♎	
opposition	9806 Jun 01 15:13	16°♎08'31	2°40'19		9811 Jul 28 21:19	0°♎	
greatest brilliancy	9806 Jun 01 06:19	16°♎17'22	-1.5m	evening set	9811 Aug 05 09:42	5°♎47'35	
direct	9806 Jul 10 11:43	7°♎04'28			9811 Sep 06 09:52	0°♎	
desc. node	9806 Aug 17 12:10	14°♎16'37					
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	9806 Nov 18 22:51	0°♎		minimum elong	9811 Oct 08 10:16	23°♎21'37	1°06'44
	9807 Jan 07 06:15	0°♎			9811 Oct 17 18:09	0°♎	
	9807 Feb 21 19:53	0°♎		max. Earth dist.	9811 Nov 14 16:47	19°♎26'37	2.52936 AU
evening set	9807 Mar 25 07:28	21°♎57'35			9811 Nov 30 06:23	0°♎	



































































































































morning rise	9811 Dec 02 21:56	1°♂46'38		opposition	9817 Jan 21 15:57	5°♂39'22	1°50'42
	9812 Jan 15 00:42	0°♂		greatest brilliancy	9817 Jan 21 10:28	5°♂43'03	-3.1m
	9812 Mar 03 04:57	0°♂		direct	9817 Feb 19 19:26	0°♂47'29	
desc. node	9812 Apr 08 06:49	21°♂14'31			9817 May 10 04:06	0°♂	
	9812 Apr 23 22:06	0°♂			9817 Jun 28 15:32	0°♂	
	9812 Jun 25 16:28	0°♂			9817 Aug 15 03:54	0°♂	
retrograde	9812 Aug 08 16:52	9°♂20'01			9817 Oct 01 18:06	0°♂	
opposition	9812 Sep 14 20:47	1°♂15'37	-4°49'32		9817 Nov 18 14:52	0°♂	
greatest brilliancy	9812 Sep 16 00:49	0°♂49'27	-1.7m	desc. node	9817 Nov 28 19:26	6°♂23'10	
	9812 Sep 18 05:37	30°♂		evening set	9817 Dec 22 20:23	21°♂29'29	
min. Earth dist.	9812 Sep 22 00:14	28°♂35'46	0.57617 AU		9818 Jan 05 07:52	0°♂	
direct	9812 Oct 25 06:13	21°♂37'24		max. Earth dist.	9818 Jan 26 08:38	13°♂21'23	2.67131 AU
	9812 Dec 02 15:54	0°♂					
	9813 Jan 27 09:53	0°♂		conjunction	9818 Feb 05 05:08	19°♂39'27	-0°34'31
	9813 Mar 11 16:50	0°♂		minimum elong	9818 Feb 05 04:13	19°♂37'59	0°34'13
asc. node	9813 Mar 25 16:09	10°♂21'32			9818 Feb 21 06:49	0°♂	
	9813 Apr 20 11:17	0°♂		morning rise	9818 Mar 21 01:16	18°♂06'28	
	9813 May 29 03:40	0°♂			9818 Apr 08 00:20	0°♂	
	9813 Jul 07 03:42	0°♂			9818 May 22 07:15	0°♂	
	9813 Aug 16 09:58	0°♂			9818 Jul 04 03:21	0°♂	
	9813 Sep 27 11:52	0°♂			9818 Aug 14 17:43	0°♂	
evening set	9813 Oct 03 21:19	4°♂26'10			9818 Sep 24 15:30	0°♂	
	9813 Nov 10 13:33	0°♂		asc. node	9818 Nov 05 03:51	0°♂	
conjunction	9813 Nov 24 17:53	9°♂23'36	0°44'47		9818 Nov 15 18:28	7°♂23'21	
minimum elong	9813 Nov 24 19:13	9°♂25'48	0°45'08	retrograde	9818 Dec 20 19:14	0°♂	
max. Earth dist.	9813 Dec 12 15:47	21°♂06'14	2.63084 AU	min. Earth dist.	9819 Feb 24 16:07	23°♂38'31	
	9813 Dec 26 10:02	0°♂		greatest brilliancy	9819 Mar 24 20:32	18°♂08'13	0.47330 AU
morning rise	9814 Jan 10 21:35	9°♂54'51		opposition	9819 Mar 31 15:28	15°♂43'25	-2.3m
	9814 Feb 11 16:10	0°♂		direct	9819 Apr 02 07:36	15°♂07'32	5°42'27
desc. node	9814 Feb 24 00:23	7°♂42'58			9819 May 05 13:36	8°♂12'39	
	9814 Apr 01 02:13	0°♂			9819 Jul 15 00:40	0°♂	
	9814 May 21 01:48	0°♂		desc. node	9819 Sep 08 17:23	0°♂	
	9814 Jul 14 00:19	0°♂			9819 Oct 16 20:57	22°♂16'03	
retrograde	9814 Oct 04 00:53	27°♂08'36			9819 Oct 29 19:43	0°♂	
opposition	9814 Nov 05 19:06	20°♂57'03	-5°15'15	evening set	9819 Dec 17 21:45	0°♂	
greatest brilliancy	9814 Nov 07 12:07	20°♂23'51	-2.5m		9820 Jan 27 17:09	25°♂49'50	
min. Earth dist.	9814 Nov 14 06:01	18°♂14'17	0.44108 AU	max. Earth dist.	9820 Feb 03 04:00	0°♂	
direct	9814 Dec 11 08:41	13°♂26'32			9820 Feb 19 08:54	10°♂35'09	2.60962 AU
	9815 Feb 02 22:34	0°♂		conjunction	9820 Mar 13 06:55	25°♂50'56	-1°02'58
asc. node	9815 Feb 10 18:29	4°♂20'01		minimum elong	9820 Mar 13 06:00	25°♂49'23	1°02'55
	9815 Mar 22 19:07	0°♂			9820 Mar 19 10:18	0°♂	
	9815 May 03 18:14	0°♂		morning rise	9820 Apr 30 00:31	28°♂50'23	
	9815 Jun 13 22:09	0°♂			9820 May 01 15:45	0°♂	
	9815 Jul 25 22:37	0°♂			9820 Jun 12 00:25	0°♂	
	9815 Sep 07 11:50	0°♂			9820 Jul 21 21:40	0°♂	
	9815 Oct 22 16:33	0°♂			9820 Aug 29 21:41	0°♂	
evening set	9815 Nov 16 19:28	16°♂17'27		asc. node	9820 Oct 02 13:52	25°♂57'07	
	9815 Dec 08 04:21	0°♂			9820 Oct 07 20:58	0°♂	
conjunction	9816 Jan 02 00:03	15°♂48'39	0°05'14		9820 Nov 17 00:23	0°♂	
minimum elong	9816 Jan 02 00:14	15°♂48'56	0°05'37		9820 Dec 30 08:52	0°♂	
behind sun begin	9816 Jan 01 06:32	15°♂20'50		retrograde	9821 Feb 21 18:46	0°♂	
behind sun end	9816 Jan 02 17:56	16°♂17'02		min. Earth dist.	9821 Apr 08 01:18	11°♂24'53	
max. Earth dist.	9816 Jan 04 23:03	17°♂41'23	2.67869 AU	opposition	9821 May 12 05:54	3°♂42'50	0.59978 AU
desc. node	9816 Jan 11 20:47	22°♂04'21		greatest brilliancy	9821 May 17 19:17	1°♂31'38	3°42'36
	9816 Jan 24 08:42	0°♂			9821 May 17 02:27	1°♂48'13	-1.6m
morning rise	9816 Feb 14 20:35	13°♂37'51		direct	9821 May 21 17:34	30°♂	
	9816 Mar 11 15:00	0°♂			9821 Jun 24 09:54	22°♂53'28	
	9816 Apr 27 13:56	0°♂		desc. node	9821 Jul 31 21:23	0°♂	
	9816 Jun 13 04:09	0°♂			9821 Sep 03 00:20	13°♂36'25	
	9816 Jul 29 16:46	0°♂			9821 Oct 05 09:55	0°♂	
	9816 Sep 15 06:51	0°♂			9821 Nov 27 02:30	0°♂	
	9816 Nov 09 03:45	0°♂			9822 Jan 14 12:59	0°♂	
retrograde	9816 Dec 22 10:43	10°♂48'44		evening set	9822 Feb 28 21:49	0°♂	
asc. node	9816 Dec 28 20:37	10°♂32'18		max. Earth dist.	9822 Mar 07 08:02	4°♂23'59	
min. Earth dist.	9817 Jan 19 07:48	6°♂16'59	0.36653 AU		9822 Mar 21 12:43	14°♂15'29	2.49881 AU
					9822 Apr 12 16:01	0°♂	

conjunction	9822 Apr 27 14:29	10°♄52'16	-1°02'50	desc. node	9827 Apr 25 22:20	24°♁57'39	
minimum elong	9822 Apr 27 15:51	10°♄54'48	1°03'04		9827 May 05 20:04	0°♄	
	9822 May 23 06:42	0°♄		retrograde	9827 Jul 23 14:02	24°♄38'24	
morning rise	9822 Jun 25 23:03	25°♄48'34		opposition	9827 Aug 30 21:54	16°♄04'20	-4°02'18
	9822 Jul 01 08:27	0°♄		greatest brilliancy	9827 Aug 31 16:13	15°♄46'50	-1.5m
	9822 Aug 08 14:45	0°♄		min. Earth dist.	9827 Sep 05 16:29	13°♄52'02	0.61708 AU
asc. node	9822 Aug 20 10:10	9°♄17'11		direct	9827 Oct 11 02:18	6°♄08'44	
	9822 Sep 15 21:50	0°♄			9827 Dec 22 00:46	0°♄	
	9822 Oct 25 04:04	0°♄			9828 Feb 08 06:40	0°♄	
	9822 Dec 05 10:45	0°♄			9828 Mar 21 01:19	0°♄	
	9823 Jan 19 07:24	0°♄		asc. node	9828 Apr 11 07:09	16°♄07'30	
	9823 Mar 13 06:10	0°♄			9828 Apr 29 05:06	0°♄	
retrograde	9823 May 13 13:57	17°♄41'42			9828 Jun 06 12:06	0°♄	
min. Earth dist.	9823 Jun 21 09:51	8°♄29'42	0.67098 AU		9828 Jul 15 03:26	0°♄	
opposition	9823 Jun 23 04:54	7°♄46'52	1°00'29		9828 Aug 24 00:49	0°♄	
greatest brilliancy	9823 Jun 23 03:34	7°♄48'12	-1.4m	evening set	9828 Sep 12 23:14	14°♄30'56	
	9823 Jul 16 18:43	30°♄			9828 Oct 04 18:07	0°♄	
desc. node	9823 Jul 22 02:48	29°♄02'32					
direct	9823 Aug 02 12:31	28°♄13'15		conjunction	9828 Nov 07 16:08	23°♄21'47	0°56'57
	9823 Aug 20 09:51	0°♄		minimum elong	9828 Nov 07 17:33	23°♄24'10	0°57'14
	9823 Nov 03 09:46	0°♄			9828 Nov 17 12:52	0°♄	
	9823 Dec 25 09:25	0°♄		max. Earth dist.	9828 Dec 02 08:31	9°♄51'18	2.59733 AU
	9824 Feb 09 17:15	0°♄		morning rise	9828 Dec 27 06:51	26°♄08'22	
	9824 Mar 23 12:12	0°♄			9829 Jan 02 06:31	0°♄	
evening set	9824 Apr 26 07:23	25°♄04'19			9829 Feb 18 17:43	0°♄	
	9824 May 02 18:58	0°♄		desc. node	9829 Mar 12 16:36	13°♄31'23	
max. Earth dist.	9824 Jun 03 16:43	24°♄41'40	2.37013 AU		9829 Apr 09 00:17	0°♄	
	9824 Jun 10 10:58	0°♄			9829 May 31 11:16	0°♄	
					9829 Aug 04 19:41	0°♄	
conjunction	9824 Jun 30 05:37	15°♄36'48	-0°05'09	retrograde	9829 Sep 09 09:34	6°♄29'31	
minimum elong	9824 Jun 30 06:11	15°♄37'55	0°05'32		9829 Oct 12 11:13	30°♄	
behind sun begin	9824 Jun 29 01:43	14°♄41'37		opposition	9829 Oct 14 01:37	29°♄26'42	-5°33'14
behind sun end	9824 Jul 01 10:39	16°♄34'14		greatest brilliancy	9829 Oct 15 19:06	28°♄50'22	-2.1m
asc. node	9824 Jul 07 06:33	21°♄11'15		min. Earth dist.	9829 Oct 22 16:12	26°♄26'36	0.49687 AU
	9824 Jul 18 09:28	0°♄		direct	9829 Nov 21 02:59	20°♄47'35	
	9824 Aug 25 12:01	0°♄			9829 Dec 30 04:35	0°♄	
morning rise	9824 Sep 11 19:25	13°♄24'08			9830 Feb 21 01:03	0°♄	
	9824 Oct 03 15:17	0°♄		asc. node	9830 Feb 27 10:22	4°♄19'17	
	9824 Nov 13 13:58	0°♄			9830 Apr 04 07:38	0°♄	
	9824 Dec 27 02:13	0°♄			9830 May 14 07:00	0°♄	
	9825 Feb 12 05:44	0°♄			9830 Jun 23 05:50	0°♄	
	9825 Apr 07 14:43	0°♄			9830 Aug 03 08:07	0°♄	
desc. node	9825 Jun 08 01:57	20°♄06'15			9830 Sep 15 03:41	0°♄	
retrograde	9825 Jun 15 18:11	20°♄27'16			9830 Oct 29 19:13	0°♄	
opposition	9825 Jul 25 21:43	11°♄01'04	-1°37'35	evening set	9830 Oct 31 22:50	1°♄25'03	
greatest brilliancy	9825 Jul 25 23:41	10°♄59'07	-1.3m		9830 Dec 14 23:10	0°♄	
min. Earth dist.	9825 Jul 27 21:41	10°♄13'54	0.67704 AU				
direct	9825 Sep 05 11:43	1°♄00'36		conjunction	9830 Dec 18 18:43	2°♄26'44	0°21'12
	9825 Nov 29 17:47	0°♄		minimum elong	9830 Dec 18 19:24	2°♄27'50	0°21'35
	9826 Jan 18 15:03	0°♄		max. Earth dist.	9830 Dec 27 08:11	7°♄55'12	2.66665 AU
	9826 Mar 03 08:29	0°♄		desc. node	9831 Jan 28 10:57	28°♄19'33	
	9826 Apr 12 18:55	0°♄			9831 Jan 31 02:27	0°♄	
	9826 May 21 09:25	0°♄		morning rise	9831 Feb 01 11:51	0°♄52'49	
asc. node	9826 May 25 04:52	3°♄00'17			9831 Mar 19 16:23	0°♄	
	9826 Jun 28 07:03	0°♄			9831 May 06 11:36	0°♄	
evening set	9826 Jul 06 21:33	6°♄48'15			9831 Jun 23 19:01	0°♄	
	9826 Aug 05 11:48	0°♄			9831 Aug 12 21:46	0°♄	
	9826 Sep 13 20:12	0°♄			9831 Oct 11 03:33	0°♄	
				retrograde	9831 Nov 20 17:55	8°♄59'18	
conjunction	9826 Sep 14 06:37	0°♄19'25	1°01'57	opposition	9831 Dec 20 15:35	4°♄00'41	-1°57'24
minimum elong	9826 Sep 14 04:35	0°♄15'39	1°01'54	greatest brilliancy	9831 Dec 21 00:57	3°♄54'18	-3.0m
	9826 Oct 24 23:54	0°♄		min. Earth dist.	9831 Dec 24 07:01	3°♄01'13	0.37383 AU
max. Earth dist.	9826 Oct 30 10:56	3°♄52'01	2.47693 AU		9832 Jan 06 03:13	30°♄	
morning rise	9826 Nov 14 04:50	14°♄10'31		asc. node	9832 Jan 15 11:22	28°♄49'13	
	9826 Dec 07 09:08	0°♄		direct	9832 Jan 20 10:24	28°♄39'06	
	9827 Jan 22 06:18	0°♄			9832 Feb 03 11:11	0°♄	
	9827 Mar 12 04:51	0°♄			9832 Apr 09 09:46	0°♄	

	9832 May 25 20:12	0°♍			9837 Jul 08 23:32	0°♎		
	9832 Jul 09 15:57	0°♊			9837 Aug 16 11:35	0°♎		
	9832 Aug 24 00:35	0°♌	asc. node		9837 Sep 06 03:39	16°♎09'27		
	9832 Oct 09 09:52	0°♈			9837 Sep 23 23:08	0°♍		
	9832 Nov 25 14:35	0°♎			9837 Nov 02 10:02	0°♊		
evening set	9832 Dec 08 20:46	8°♎22'49			9837 Dec 14 02:49	0°♌		
desc. node	9832 Dec 15 08:33	12°♎29'02			9838 Jan 29 09:30	0°♈		
	9833 Jan 12 00:56	0°♌			9838 Apr 02 08:47	0°♎		
max. Earth dist.	9833 Jan 17 13:49	3°♌30'47	2.68091 AU	retrograde	9838 Apr 30 05:06	4°♎29'55		
					9838 May 26 02:52	30°♌♈		
conjunction	9833 Jan 22 13:36	6°♌40'57	-0°19'52	min. Earth dist.	9838 Jun 06 09:18	25°♈49'00	0.65050 AU	
minimum elong	9833 Jan 22 13:01	6°♌40'03	0°19'32	opposition	9838 Jun 09 15:51	24°♈30'48	2°03'33	
	9833 Feb 28 01:12	0°♈		greatest brilliancy	9838 Jun 09 10:26	24°♈36'12	-1.4m	
morning rise	9833 Mar 07 00:23	4°♈29'21		direct	9838 Jul 19 01:55	15°♈15'01		
	9833 Apr 15 03:51	0°♍		desc. node	9838 Aug 07 15:07	17°♈21'41		
	9833 May 30 03:32	0°♉			9838 Sep 14 20:29	0°♎		
	9833 Jul 12 23:41	0°♊			9838 Nov 13 02:11	0°♌		
	9833 Aug 24 21:51	0°♎			9839 Jan 02 05:08	0°♈		
	9833 Oct 06 16:07	0°♎			9839 Feb 17 01:09	0°♍		
	9833 Nov 20 19:28	0°♍			9839 Mar 31 18:45	0°♉		
asc. node	9833 Dec 02 12:06	7°♍00'31		evening set	9839 Apr 05 09:53	3°♉21'50		
retrograde	9834 Feb 03 04:37	28°♍58'17		max. Earth dist.	9839 Apr 21 14:19	15°♉16'54	2.41573 AU	
min. Earth dist.	9834 Mar 01 11:15	24°♍18'46	0.41937 AU		9839 May 11 03:49	0°♊		
greatest brilliancy	9834 Mar 07 21:39	22°♍14'08	-2.6m					
opposition	9834 Mar 09 12:09	21°♍42'48	5°28'51	conjunction	9839 Jun 03 01:13	17°♊35'38	-0°35'30	
direct	9834 Apr 09 15:54	15°♍44'46		minimum elong	9839 Jun 03 03:49	17°♊40'42	0°35'50	
	9834 Jun 01 20:59	0°♊			9839 Jun 18 22:49	0°♎		
	9834 Jul 28 23:50	0°♌		asc. node	9839 Jul 24 23:15	28°♎24'32		
	9834 Sep 17 23:15	0°♈			9839 Jul 26 23:32	0°♎		
desc. node	9834 Nov 02 09:06	27°♈31'25		morning rise	9839 Aug 12 09:14	12°♎57'22		
	9834 Nov 06 10:11	0°♎			9839 Sep 03 02:49	0°♍		
	9834 Dec 24 20:11	0°♌			9839 Oct 12 05:47	0°♊		
evening set	9835 Jan 13 15:17	12°♌29'44			9839 Nov 22 05:11	0°♌		
	9835 Feb 09 22:06	0°♈			9840 Jan 04 23:56	0°♈		
max. Earth dist.	9835 Feb 09 18:02	29°♌53'25	2.64017 AU		9840 Feb 22 08:00	0°♎		
					9840 Apr 23 19:00	0°♌		
conjunction	9835 Feb 27 07:51	11°♈21'50	-0°54'09	retrograde	9840 Jun 02 07:56	7°♌59'10		
minimum elong	9835 Feb 27 06:44	11°♈20'00	0°53'59	desc. node	9840 Jun 24 16:43	4°♌46'19		
	9835 Mar 27 07:39	0°♍			9840 Jul 08 12:43	30°♌♎		
morning rise	9835 Apr 13 21:31	11°♍56'56		opposition	9840 Jul 12 19:11	28°♎19'20	-0°37'28	
	9835 May 09 21:36	0°♉		greatest brilliancy	9840 Jul 12 19:11	28°♎19'20	-1.3m	
	9835 Jun 20 17:51	0°♊		min. Earth dist.	9840 Jul 13 07:34	28°♎07'05	0.68247 AU	
	9835 Jul 31 03:44	0°♎		direct	9840 Aug 23 01:06	18°♎26'24		
	9835 Sep 08 16:17	0°♎			9840 Oct 11 15:59	0°♌		
	9835 Oct 18 05:05	0°♍			9840 Dec 09 23:35	0°♈		
asc. node	9835 Oct 20 09:26	1°♍38'06			9841 Jan 26 22:14	0°♍		
	9835 Nov 28 06:39	0°♊			9841 Mar 11 03:40	0°♉		
	9836 Jan 13 07:35	0°♌			9841 Apr 20 11:23	0°♊		
retrograde	9836 Mar 23 15:17	25°♌03'03			9841 May 29 01:36	0°♎		
min. Earth dist.	9836 Apr 24 13:46	18°♌07'42	0.55522 AU	evening set	9841 Jun 06 18:30	6°♎52'16		
greatest brilliancy	9836 Apr 30 09:59	15°♌52'48	-1.9m	asc. node	9841 Jun 10 22:01	10°♎09'09		
opposition	9836 May 01 12:32	15°♌27'08	4°40'55		9841 Jul 05 22:45	0°♎		
direct	9836 Jun 06 15:26	7°♌22'01			9841 Aug 13 01:33	0°♍		
	9836 Aug 19 13:28	0°♈						
desc. node	9836 Sep 19 11:35	15°♈53'41		conjunction	9841 Aug 17 05:25	3°♍14'05	0°44'24	
	9836 Oct 14 21:24	0°♎		minimum elong	9841 Aug 17 01:49	3°♍07'06	0°44'10	
	9836 Dec 04 17:30	0°♌			9841 Sep 21 06:37	0°♊		
	9837 Jan 21 13:57	0°♈		max. Earth dist.	9841 Oct 09 07:51	13°♊23'44	2.42055 AU	
evening set	9837 Feb 19 02:56	18°♈43'05		morning rise	9841 Oct 23 14:39	23°♊47'06		
	9837 Mar 07 20:34	0°♍			9841 Nov 01 06:45	0°♌		
max. Earth dist.	9837 Mar 07 22:52	0°♍03'55	2.54727 AU		9841 Dec 14 14:39	0°♈		
					9842 Jan 29 18:23	0°♎		
conjunction	9837 Apr 08 10:00	21°♍54'54	-1°08'00		9842 Mar 20 22:27	0°♌		
minimum elong	9837 Apr 08 10:10	21°♍55'11	1°08'08	desc. node	9842 May 12 13:53	26°♌40'05		
	9837 Apr 19 18:21	0°♉			9842 May 20 16:03	0°♈		
	9837 May 30 15:10	0°♊		retrograde	9842 Jul 08 01:58	11°♈02'09		
morning rise	9837 May 31 21:57	0°♊57'44		opposition	9842 Aug 16 06:58	2°♈04'22	-3°08'47	

greatest brilliancy	9842 Aug 16 17:10	1° X 54'29	-1.4m	evening set	9847 Nov 25 10:04	24° X 51'24	
min. Earth dist.	9842 Aug 20 14:33	0° X 23'58	0.64832 AU		9847 Dec 03 11:34	0° Z	
	9842 Aug 21 15:29	30° R		desc. node	9848 Jan 01 22:19	18° Z 42'46	
direct	9842 Sep 26 20:30	22° \approx 01'43					
	9842 Nov 04 17:57	0° X		conjunction	9848 Jan 09 22:26	23° Z 47'24	-0°04'16
	9843 Jan 03 00:42	0° Y		minimum elong	9848 Jan 09 22:20	23° Z 47'15	0°03'53
	9843 Feb 17 14:34	0° B		behind sun begin	9848 Jan 09 04:14	23° Z 18'34	
	9843 Mar 30 15:04	0° II		behind sun end	9848 Jan 10 16:26	24° Z 15'55	
asc. node	9843 Apr 28 21:51	22° II 31'38		max. Earth dist.	9848 Jan 09 23:51	23° Z 49'38	2.68189 AU
	9843 May 08 11:10	0° E			9848 Jan 19 17:28	0° \approx	
	9843 Jun 15 12:54	0° O		morning rise	9848 Feb 22 12:04	21° \approx 27'53	
	9843 Jul 23 22:37	0° M			9848 Mar 06 21:00	0° X	
evening set	9843 Aug 20 17:02	21° M 09'14			9848 Apr 22 11:45	0° Y	
	9843 Sep 01 13:25	0° E			9848 Jun 07 09:50	0° B	
	9843 Oct 12 23:54	0° M			9848 Jul 22 17:40	0° II	
					9848 Sep 05 23:59	0° E	
conjunction	9843 Oct 20 11:36	5° M 15'59	1°04'56		9848 Oct 23 06:23	0° O	
minimum elong	9843 Oct 20 12:26	5° M 17'27	1°05'09	asc. node	9848 Dec 19 05:17	26° O 40'29	
max. Earth dist.	9843 Nov 21 23:22	27° M 35'36	2.55565 AU	retrograde	9849 Jan 08 07:14	29° O 22'47	
	9843 Nov 25 13:09	0° X		min. Earth dist.	9849 Feb 03 13:41	25° O 04'10	0.37811 AU
morning rise	9843 Dec 12 12:47	11° X 18'50		opposition	9849 Feb 08 17:07	23° O 36'45	3°42'10
	9844 Jan 10 05:47	0° Z		greatest brilliancy	9849 Feb 07 22:06	23° O 50'17	-2.9m
	9844 Feb 27 01:39	0° \approx		direct	9849 Mar 10 06:27	18° O 30'58	
desc. node	9844 Mar 29 08:20	18° \approx 48'21			9849 Apr 24 23:16	0° M	
	9844 Apr 17 15:30	0° X			9849 Jun 20 09:54	0° E	
	9844 Jun 13 18:26	0° Y			9849 Aug 08 21:45	0° M	
retrograde	9844 Aug 19 08:11	18° Y 49'57			9849 Sep 26 09:35	0° X	
opposition	9844 Sep 24 16:45	11° Y 04'59	-5°11'22		9849 Nov 13 17:32	0° Z	
greatest brilliancy	9844 Sep 26 02:25	10° Y 34'04	-1.8m	desc. node	9849 Nov 18 21:32	3° Z 12'59	
min. Earth dist.	9844 Oct 02 11:55	8° Y 13'29	0.54985 AU	evening set	9849 Dec 30 18:36	29° Z 26'29	
direct	9844 Nov 03 10:23	1° Y 42'02			9849 Dec 31 15:51	0° \approx	
	9845 Jan 19 05:10	0° B		max. Earth dist.	9850 Jan 31 13:27	19° \approx 38'17	2.66259 AU
	9845 Mar 05 05:32	0° II					
asc. node	9845 Mar 16 01:17	7° II 51'07		conjunction	9850 Feb 13 03:01	27° \approx 43'12	-0°42'24
	9845 Apr 14 14:14	0° E		minimum elong	9850 Feb 13 01:58	27° \approx 41'31	0°42'09
	9845 May 23 14:29	0° O			9850 Feb 16 15:41	0° X	
	9845 Jul 01 20:20	0° M		morning rise	9850 Mar 29 09:28	26° X 44'38	
	9845 Aug 11 07:51	0° E			9850 Apr 03 06:28	0° Y	
	9845 Sep 22 14:36	0° M			9850 May 17 07:05	0° B	
evening set	9845 Oct 14 15:32	15° M 06'38			9850 Jun 28 17:56	0° II	
	9845 Nov 05 19:56	0° X			9850 Aug 08 20:28	0° E	
					9850 Sep 18 03:27	0° O	
conjunction	9845 Dec 03 19:14	18° X 23'10	0°36'32		9850 Oct 28 16:05	0° M	
minimum elong	9845 Dec 03 20:23	18° X 25'03	0°36'54	asc. node	9850 Nov 06 02:25	6° M 05'44	
max. Earth dist.	9845 Dec 18 04:38	27° X 42'21	2.64609 AU		9850 Dec 10 17:52	0° E	
	9845 Dec 21 18:06	0° Z			9851 Feb 04 10:36	0° M	
morning rise	9846 Jan 18 21:22	17° Z 58'18		retrograde	9851 Mar 07 11:21	6° M 13'53	
	9846 Feb 06 22:10	0° \approx		min. Earth dist.	9851 Apr 05 23:21	0° M 12'10	0.50378 AU
desc. node	9846 Feb 14 02:29	4° \approx 30'57			9851 Apr 06 12:51	30° R E	
	9846 Mar 26 23:14	0° X		greatest brilliancy	9851 Apr 12 13:24	27° E 46'32	-2.1m
	9846 May 14 23:43	0° Y		opposition	9851 Apr 14 01:37	27° E 12'57	5°27'40
	9846 Jul 05 04:06	0° B		direct	9851 May 18 10:46	19° E 49'57	
	9846 Sep 02 22:21	0° II			9851 Jul 02 06:39	0° M	
retrograde	9846 Oct 19 20:57	11° II 02'50			9851 Sep 01 21:51	0° X	
opposition	9846 Nov 20 11:47	5° II 21'30	-4°33'03	desc. node	9851 Oct 07 00:14	19° X 49'26	
greatest brilliancy	9846 Nov 21 21:41	4° II 55'46	-2.7m		9851 Oct 24 09:38	0° Z	
min. Earth dist.	9846 Nov 28 02:37	3° II 03'51	0.41252 AU		9851 Dec 13 00:39	0° \approx	
	9846 Dec 10 09:30	30° R B			9852 Jan 29 11:37	0° X	
direct	9846 Dec 24 08:25	28° B 38'09		evening set	9852 Feb 05 00:15	4° X 14'04	
	9847 Jan 07 10:18	0° II		max. Earth dist.	9852 Feb 25 11:36	17° X 42'43	2.58951 AU
asc. node	9847 Feb 01 05:01	8° II 03'47			9852 Mar 14 18:23	0° Y	
	9847 Mar 12 22:48	0° E					
	9847 Apr 26 06:25	0° O		conjunction	9852 Mar 22 07:59	5° Y 09'34	-1°06'21
	9847 Jun 07 12:38	0° M		minimum elong	9852 Mar 22 07:20	5° Y 08'29	1°06'21
	9847 Jul 20 05:25	0° E			9852 Apr 26 21:30	0° B	
	9847 Sep 02 06:14	0° M		morning rise	9852 May 10 17:05	9° B 55'02	
	9847 Oct 17 18:53	0° X			9852 Jun 07 02:17	0° II	

	9852 Jul 16 18:53	0°☿			9857 Nov 21 21:08	0°♄	
	9852 Aug 24 14:16	0°♁			9858 Jan 12 20:46	0°♃	
asc. node	9852 Sep 22 22:54	22°♁46'06			9858 Feb 26 03:27	0°♂	
	9852 Oct 02 08:12	0°♎			9858 Apr 07 18:28	0°♂	
	9852 Nov 11 03:06	0°♊		asc. node	9858 May 15 14:49	29°♂21'11	
	9852 Dec 23 14:51	0°♋			9858 May 16 10:33	0°☿	
	9853 Feb 10 22:10	0°♌			9858 Jun 23 09:05	0°♁	
retrograde	9853 Apr 16 08:31	20°♌27'43		evening set	9858 Jul 23 18:48	23°♁54'38	
min. Earth dist.	9853 May 21 15:58	12°♌22'47	0.62038 AU		9858 Jul 31 14:42	0°♎	
opposition	9853 May 26 09:51	10°♌29'56	3°06'47		9858 Sep 09 00:08	0°♊	
greatest brilliancy	9853 May 25 21:46	10°♌41'55	-1.6m				
direct	9853 Jul 03 17:15	1°♌36'45		conjunction	9858 Sep 28 09:28	14°♊18'09	1°05'57
desc. node	9853 Aug 24 03:49	13°♌49'13		minimum elong	9858 Sep 28 08:44	14°♊16'49	1°06'01
	9853 Sep 28 06:34	0°♈			9858 Oct 20 04:59	0°♋	
	9853 Nov 21 16:11	0°♏		max. Earth dist.	9858 Nov 08 17:27	13°♋41'40	2.50660 AU
	9854 Jan 09 15:22	0°♄		morning rise	9858 Nov 25 03:18	24°♋57'22	
	9854 Feb 24 04:12	0°♃			9858 Dec 02 14:13	0°♌	
evening set	9854 Mar 17 07:01	14°♃35'38			9859 Jan 17 08:07	0°♍	
max. Earth dist.	9854 Mar 30 21:33	24°♃13'37	2.46955 AU		9859 Mar 06 17:44	0°♎	
	9854 Apr 07 22:31	0°♂		desc. node	9859 Apr 15 23:45	23°♎16'05	
					9859 Apr 28 09:23	0°♄	
conjunction	9854 May 09 18:58	23°♄27'06	-0°55'52		9859 Jul 08 04:03	0°♃	
minimum elong	9854 May 09 21:04	23°♄31'02	0°56'10	retrograde	9859 Aug 02 02:31	3°♃19'48	
	9854 May 18 11:33	0°♂			9859 Aug 25 04:35	30°♄♄	
	9854 Jun 26 11:03	0°☿		opposition	9859 Sep 08 19:12	25°♄01'23	-4°30'30
morning rise	9854 Jul 12 02:30	12°☿15'04		greatest brilliancy	9859 Sep 09 18:54	24°♄39'00	-1.6m
	9854 Aug 03 15:26	0°♁		min. Earth dist.	9859 Sep 15 08:10	22°♄33'10	0.59565 AU
asc. node	9854 Aug 10 17:07	5°♁34'20		direct	9859 Oct 19 13:54	15°♄13'47	
	9854 Sep 10 20:50	0°♎			9859 Dec 12 02:03	0°♃	
	9854 Oct 20 00:57	0°♊			9860 Feb 01 16:31	0°♂	
	9854 Nov 30 03:16	0°♋			9860 Mar 15 06:49	0°♂	
	9855 Jan 13 10:13	0°♌		asc. node	9860 Apr 01 17:08	13°♂04'04	
	9855 Mar 04 22:27	0°♍			9860 Apr 23 18:33	0°☿	
retrograde	9855 May 21 03:07	25°♍27'39			9860 Jun 01 06:20	0°♁	
opposition	9855 Jun 30 17:45	15°♍37'07	0°24'00		9860 Jul 10 01:33	0°♎	
min. Earth dist.	9855 Jun 29 18:27	16°♍00'17	0.67785 AU		9860 Aug 19 02:25	0°♊	
greatest brilliancy	9855 Jun 30 17:34	15°♍37'18	-1.3m	evening set	9860 Sep 25 03:57	26°♊38'09	
desc. node	9855 Jul 12 06:03	11°♍14'26			9860 Sep 29 23:01	0°♋	
direct	9855 Aug 10 10:32	5°♍55'30			9860 Nov 12 20:00	0°♌	
	9855 Oct 27 01:50	0°♏					
	9855 Dec 19 21:40	0°♄		conjunction	9860 Nov 17 14:28	3°♌10'55	0°50'15
	9856 Feb 04 17:44	0°♃		minimum elong	9860 Nov 17 15:54	3°♌13'19	0°50'35
	9856 Mar 18 16:22	0°♂		max. Earth dist.	9860 Dec 08 09:28	16°♌53'59	2.61680 AU
	9856 Apr 27 23:32	0°♂			9860 Dec 28 14:00	0°♍	
evening set	9856 May 10 05:17	9°♂24'00		morning rise	9861 Jan 04 17:57	4°♍36'16	
	9856 Jun 05 14:43	0°☿			9861 Feb 13 21:07	0°♎	
asc. node	9856 Jun 27 13:44	17°☿21'24		desc. node	9861 Mar 02 17:11	10°♎28'20	
	9856 Jul 13 12:26	0°♁			9861 Apr 03 14:26	0°♄	
					9861 May 24 11:05	0°♃	
conjunction	9856 Jul 17 12:40	3°♁10'39	0°14'26		9861 Jul 20 11:01	0°♂	
minimum elong	9856 Jul 17 11:06	3°♁07'31	0°14'04	retrograde	9861 Sep 22 17:39	18°♂11'20	
behind sun begin	9856 Jul 16 19:47	2°♁37'12		opposition	9861 Oct 26 09:22	11°♂35'44	-5°29'22
behind sun end	9856 Jul 18 02:24	3°♁37'50		greatest brilliancy	9861 Oct 28 04:01	10°♂59'45	-2.3m
	9856 Aug 20 14:32	0°♎		min. Earth dist.	9861 Nov 04 02:24	8°♂40'58	0.46595 AU
max. Earth dist.	9856 Aug 24 05:18	2°♎48'56	2.37050 AU	direct	9861 Dec 02 03:39	3°♂31'25	
morning rise	9856 Sep 28 03:56	29°♎34'19			9862 Feb 11 09:42	0°♂	
	9856 Sep 28 17:36	0°♊		asc. node	9862 Feb 17 19:16	3°♂58'25	
	9856 Nov 08 15:47	0°♋			9862 Mar 28 00:42	0°☿	
	9856 Dec 22 00:41	0°♌			9862 May 07 22:16	0°♁	
	9857 Feb 06 16:07	0°♍			9862 Jun 17 10:50	0°♎	
	9857 Mar 30 21:58	0°♏			9862 Jul 28 23:14	0°♊	
desc. node	9857 May 29 04:42	24°♏37'41			9862 Sep 10 02:54	0°♋	
retrograde	9857 Jun 23 16:01	28°♏07'54			9862 Oct 25 00:12	0°♌	
opposition	9857 Aug 02 12:39	18°♏50'48	-2°11'54	evening set	9862 Nov 10 03:15	10°♌32'03	
greatest brilliancy	9857 Aug 02 16:54	18°♏46'39	-1.3m		9862 Dec 10 07:34	0°♍	
min. Earth dist.	9857 Aug 05 08:26	17°♏44'26	0.66977 AU				
direct	9857 Sep 13 03:53	8°♏48'04		conjunction	9862 Dec 26 23:41	10°♍39'05	0°11'53

minimum elong	9862 Dec 27 00:05	10°  39'42	0°12'16		9867 Nov 21 14:57	0° 	
behind sun begin	9862 Dec 26 11:53	10°  20'16			9868 Jan 04 17:50	0° 	
behind sun end	9862 Dec 27 12:18	10°  59'08			9868 Mar 03 21:28	0° 	
max. Earth dist.	9863 Jan 01 11:16	14°  08'29	2.67434 AU	retrograde	9868 Apr 01 14:48	5°  05'57	
desc. node	9863 Jan 18 12:46	24°  58'50			9868 Apr 28 16:06	30° 	
	9863 Jan 26 10:49	0° 		min. Earth dist.	9868 May 04 19:56	27°  43'21	0.58098 AU
morning rise	9863 Feb 09 03:55	8°  41'03		greatest brilliancy	9868 May 10 03:11	25°  43'04	-1.7m
	9863 Mar 14 20:05	0° 		opposition	9868 May 11 00:06	25°  18'35	4°08'14
	9863 May 01 03:28	0° 		direct	9868 Jun 16 23:01	16°  54'10	
	9863 Jun 17 09:50	0° 			9868 Aug 09 03:36	0° 	
	9863 Aug 04 05:00	0° 		desc. node	9868 Sep 09 15:33	14°  03'44	
	9863 Sep 23 18:55	0° 			9868 Oct 08 17:13	0° 	
retrograde	9863 Dec 09 05:42	27°  00'59			9868 Nov 29 14:05	0° 	
asc. node	9864 Jan 05 21:24	22°  03'41			9869 Jan 16 19:22	0° 	
opposition	9864 Jan 08 00:58	22°  05'36	0°10'09	evening set	9869 Feb 28 03:31	27°  05'49	
greatest brilliancy	9864 Jan 08 00:56	22°  05'38	-3.1m		9869 Mar 03 04:38	0° 	
min. Earth dist.	9864 Jan 08 09:53	21°  05'42	0.36523 AU	max. Earth dist.	9869 Mar 15 08:27	8°  20'33	2.52127 AU
direct	9864 Feb 06 13:34	17°  09'35			9869 Apr 15 01:37	0° 	
	9864 Mar 25 01:01	0° 					
	9864 May 17 00:57	0° 		conjunction	9869 Apr 18 22:41	2°  47'33	-1°06'03
	9864 Jul 02 22:11	0° 		minimum elong	9869 Apr 18 23:30	2°  49'01	1°06'15
	9864 Aug 18 07:38	0° 			9869 May 25 20:04	0° 	
	9864 Oct 04 07:03	0° 		morning rise	9869 Jun 14 11:18	14°  02'15	
	9864 Nov 20 19:56	0° 			9869 Jul 04 01:12	0° 	
desc. node	9864 Dec 05 10:56	9°  03'22			9869 Aug 11 10:03	0° 	
evening set	9864 Dec 16 21:45	16°  03'08		asc. node	9869 Aug 27 11:52	12°  03'50	
	9865 Jan 07 09:47	0° 			9869 Sep 18 18:33	0° 	
max. Earth dist.	9865 Jan 22 14:36	9°  38'48	2.67658 AU		9869 Oct 28 01:23	0° 	
					9869 Dec 08 10:04	0° 	
conjunction	9865 Jan 30 08:47	14°  35'19	-0°28'37		9870 Jan 22 15:42	0° 	
minimum elong	9865 Jan 30 07:59	14°  34'04	0°28'18		9870 Mar 18 22:38	0° 	
	9865 Feb 23 09:28	0° 		retrograde	9870 May 07 22:35	12°  03'18	
morning rise	9865 Mar 14 23:08	12°  04'12		min. Earth dist.	9870 Jun 15 00:48	3°  03'33	0.66314 AU
	9865 Apr 10 07:29	0° 		opposition	9870 Jun 17 11:44	2°  04'48	1°26'36
	9865 May 24 22:02	0° 		greatest brilliancy	9870 Jun 17 08:58	2°  03'34	-1.4m
	9865 Jul 07 04:45	0° 			9870 Jun 24 08:28	30° 	
	9865 Aug 18 08:01	0° 		direct	9870 Jul 27 09:55	23°  01'43'36	
	9865 Sep 28 22:16	0° 		desc. node	9870 Jul 28 18:42	23°  01'15'17	
	9865 Nov 10 12:56	0° 			9870 Sep 02 06:02	0° 	
asc. node	9865 Nov 22 20:29	8°  00'12'01			9870 Nov 06 19:28	0° 	
	9865 Dec 29 20:31	0° 			9870 Dec 28 00:13	0° 	
retrograde	9866 Feb 15 18:57	13°  05'55'06			9871 Feb 12 04:30	0° 	
min. Earth dist.	9866 Mar 14 22:55	8°  04'38	0.44856 AU		9871 Mar 27 00:16	0° 	
greatest brilliancy	9866 Mar 21 17:59	6°  03'02	-2.4m	evening set	9871 Apr 17 08:26	15°  04'08	
opposition	9866 Mar 23 11:10	5°  05'45'55	5°45'12		9871 May 06 09:14	0° 	
	9866 Apr 15 10:38	30° 		max. Earth dist.	9871 May 10 09:20	3°  03'14	2.38819 AU
direct	9866 Apr 24 18:51	29°  00'24'51			9871 Jun 14 03:07	0° 	
	9866 May 04 10:03	0° 					
	9866 Jul 20 17:04	0° 		conjunction	9871 Jun 18 09:34	3°  02'16	-0°19'16
	9866 Sep 11 23:14	0° 		minimum elong	9871 Jun 18 11:25	3°  02'45'55	0°19'39
desc. node	9866 Oct 23 12:06	24°  07'41'24		asc. node	9871 Jul 15 08:04	24°  03'38'06	
	9866 Nov 01 06:59	0° 			9871 Jul 22 02:41	0° 	
	9866 Dec 20 02:05	0° 			9871 Aug 29 05:07	0° 	
evening set	9867 Jan 21 14:53	20°  03'33'16		morning rise	9871 Aug 30 06:47	0°  00'50'03	
	9867 Feb 05 07:02	0° 			9871 Oct 07 07:05	0° 	
max. Earth dist.	9867 Feb 15 06:42	6°  04'29'41	2.62424 AU		9871 Nov 17 04:25	0° 	
					9871 Dec 30 17:01	0° 	
conjunction	9867 Mar 07 17:33	19°  04'59'12	-0°59'44		9872 Feb 16 04:15	0° 	
minimum elong	9867 Mar 07 16:31	19°  04'57'30	0°59'37		9872 Apr 12 10:32	0° 	
	9867 Mar 22 15:47	0° 		retrograde	9872 Jun 09 23:48	15°  03'37'09	
morning rise	9867 Apr 23 09:12	21°  00'47'24		desc. node	9872 Jun 14 18:31	15°  03'28'39	
	9867 May 05 01:47	0° 		opposition	9872 Jul 20 06:59	6°  04'26	-1°12'56
	9867 Jun 15 16:17	0° 		greatest brilliancy	9872 Jul 20 07:46	6°  03'39	-1.3m
	9867 Jul 25 19:18	0° 		min. Earth dist.	9872 Jul 21 14:58	5°  03'32'51	0.68076 AU
	9867 Sep 03 00:40	0° 			9872 Aug 05 22:05	30° 	
asc. node	9867 Oct 10 15:48	28°  00'49'36		direct	9872 Aug 30 17:35	26°  03'06'44	
	9867 Oct 12 04:52	0° 			9872 Sep 26 16:09	0° 	

	9872 Dec 03 11:43	0° H	morning rise	9878 Jan 26 16:59	25° Z 52'22	
	9873 Jan 21 13:17	0° Y		9878 Feb 02 05:39	0° \approx	
	9873 Mar 06 02:43	0° B	desc. node	9878 Feb 04 03:53	1° \approx 12'58	
	9873 Apr 15 13:03	0° II		9878 Mar 21 23:49	0° H	
	9873 May 24 03:51	0° G		9878 May 09 06:24	0° Y	
asc. node	9873 Jun 01 06:06	6° G 23'12		9878 Jun 27 14:37	0° B	
evening set	9873 Jun 23 12:53	24° G 02'31		9878 Aug 19 10:38	0° II	
	9873 Jul 01 01:16	0° Ω	retrograde	9878 Nov 06 09:52	26° II 36'32	
	9873 Aug 08 04:41	0° np	opposition	9878 Dec 06 20:46	21° II 22'52 -3°17'59	
			greatest brilliancy	9878 Dec 07 17:50	21° II 07'53 -2.9m	
conjunction	9873 Sep 02 11:26	19° np 27'29 0°56'07	min. Earth dist.	9878 Dec 12 15:55	19° II 44'15 0.38808 AU	
minimum elong	9873 Sep 02 08:28	19° np 21'50 0°56'00	direct	9879 Jan 07 23:43	15° II 27'54	
	9873 Sep 16 10:32	0° $\underline{\text{A}}$	asc. node	9879 Jan 22 12:44	16° II 55'33	
max. Earth dist.	9873 Oct 22 08:25	26° $\underline{\text{A}}$ 20'27 2.45188 AU		9879 Feb 26 16:18	0° G	
	9873 Oct 27 11:17	0° ML		9879 Apr 17 11:37	0° Ω	
morning rise	9873 Nov 05 05:40	6° ML 12'41		9879 May 31 13:26	0° np	
	9873 Dec 09 18:12	0° Z		9879 Jul 14 06:11	0° $\underline{\text{A}}$	
	9874 Jan 24 16:05	0° Z		9879 Aug 27 22:07	0° ML	
	9874 Mar 14 23:25	0° \approx		9879 Oct 12 20:37	0° Z	
desc. node	9874 May 02 15:01	26° \approx 17'46		9879 Nov 28 19:09	0° Z	
	9874 May 10 09:03	0° H	evening set	9879 Dec 03 17:28	3° Z 07'44	
retrograde	9874 Jul 16 18:29	19° H 11'08	desc. node	9879 Dec 23 00:43	15° Z 21'45	
opposition	9874 Aug 24 12:07	10° H 25'48 -3°40'23	max. Earth dist.	9880 Jan 14 23:45	29° Z 54'39 2.68241 AU	
greatest brilliancy	9874 Aug 25 02:40	10° H 11'48 -1.5m		9880 Jan 15 03:08	0° \approx	
min. Earth dist.	9874 Aug 29 14:56	8° H 27'33 0.63238 AU				
direct	9874 Oct 04 21:05	0° H 25'50	conjunction	9880 Jan 17 17:32	1° \approx 38'56 -0°13'29	
	9874 Dec 26 19:07	0° Y	minimum elong	9880 Jan 17 17:09	1° \approx 38'19 0°13'08	
	9875 Feb 11 18:54	0° B	behind sun begin	9880 Jan 17 06:31	1° \approx 21'29	
	9875 Mar 25 06:09	0° II	behind sun end	9880 Jan 18 03:46	1° \approx 55'09	
asc. node	9875 Apr 19 07:52	19° II 08'46	morning rise	9880 Mar 01 04:02	29° \approx 20'00	
	9875 May 03 06:38	0° G		9880 Mar 02 04:59	0° H	
	9875 Jun 10 10:55	0° Ω		9880 Apr 17 13:12	0° Y	
	9875 Jul 18 22:59	0° np		9880 Jun 01 22:32	0° B	
	9875 Aug 27 16:09	0° $\underline{\text{A}}$		9880 Jul 16 09:22	0° II	
evening set	9875 Sep 03 20:16	5° $\underline{\text{A}}$ 17'02		9880 Aug 29 04:12	0° G	
	9875 Oct 08 05:02	0° ML		9880 Oct 12 08:23	0° Ω	
				9880 Nov 30 06:24	0° np	
conjunction	9875 Oct 31 16:08	16° ML 19'01 1°00'58	asc. node	9880 Dec 09 13:39	4° np 43'14	
minimum elong	9875 Oct 31 17:24	16° ML 21'11 1°01'14	retrograde	9881 Jan 23 11:29	17° np 04'14	
	9875 Nov 20 19:55	0° Z	min. Earth dist.	9881 Feb 18 09:57	12° np 40'02 0.39835 AU	
max. Earth dist.	9875 Nov 28 16:57	5° Z 16'09 2.57968 AU	greatest brilliancy	9881 Feb 24 04:40	10° np 54'11 -2.8m	
morning rise	9875 Dec 21 16:23	20° Z 24'36	opposition	9881 Feb 25 12:54	10° np 29'24 4°57'38	
	9876 Jan 05 11:47	0° Z	direct	9881 Mar 27 20:32	4° np 57'02	
	9876 Feb 22 01:09	0° \approx		9881 Jun 10 07:25	0° $\underline{\text{A}}$	
desc. node	9876 Mar 19 09:47	16° \approx 06'08		9881 Aug 02 02:54	0° ML	
	9876 Apr 11 18:29	0° H		9881 Sep 20 20:39	0° Z	
	9876 Jun 04 17:30	0° Y		9881 Nov 08 18:49	0° Z	
retrograde	9876 Aug 30 20:27	29° Y 01'20	desc. node	9881 Nov 09 00:45	0° Z 09'09	
opposition	9876 Oct 05 07:32	21° Y 38'23 -5°26'48		9881 Dec 26 23:36	0° \approx	
greatest brilliancy	9876 Oct 06 22:01	21° Y 03'48 -2.0m	evening set	9882 Jan 07 16:11	7° \approx 22'20	
min. Earth dist.	9876 Oct 13 14:44	18° Y 40'07 0.52136 AU	max. Earth dist.	9882 Feb 05 20:33	26° \approx 00'02 2.65131 AU	
direct	9876 Nov 13 04:23	12° Y 36'50		9882 Feb 12 01:08	0° H	
	9877 Jan 08 20:08	0° B				
	9877 Feb 26 02:15	0° II	conjunction	9882 Feb 21 03:30	5° H 54'34 -0°49'34	
asc. node	9877 Mar 06 11:29	5° II 52'38	minimum elong	9882 Feb 21 02:24	5° H 52'45 0°49'22	
	9877 Apr 08 09:34	0° G		9882 Mar 29 13:53	0° Y	
	9877 May 17 21:02	0° Ω	morning rise	9882 Apr 07 00:58	5° Y 42'11	
	9877 Jun 26 10:52	0° np		9882 May 12 09:18	0° B	
	9877 Aug 06 04:49	0° $\underline{\text{A}}$		9882 Jun 23 12:41	0° II	
	9877 Sep 17 17:01	0° ML		9882 Aug 03 06:04	0° G	
evening set	9877 Oct 24 16:31	25° ML 04'13		9882 Sep 12 02:06	0° Ω	
	9877 Nov 01 02:30	0° Z		9882 Oct 21 23:21	0° np	
			asc. node	9882 Oct 27 11:43	4° np 05'12	
conjunction	9877 Dec 12 10:56	26° Z 59'55 0°27'43		9882 Dec 02 15:11	0° $\underline{\text{A}}$	
minimum elong	9877 Dec 12 11:50	27° Z 01'22 0°28'06		9883 Jan 19 20:35	0° ML	
	9877 Dec 17 02:51	0° Z	retrograde	9883 Mar 17 12:05	17° ML 45'00	
max. Earth dist.	9877 Dec 23 13:26	4° Z 08'05 2.65849 AU	min. Earth dist.	9883 Apr 17 08:42	11° ML 12'32 0.53285 AU	

opposition	9883 Apr 24 20:28	8° \mathbb{M} 22'01	5°03'22	conjunction	9888 Aug 03 21:41	20° Ω 43'49	0°32'37
greatest brilliancy	9883 Apr 23 13:29	8° \mathbb{M} 51'34	-2.0m	minimum elong	9888 Aug 03 18:27	20° Ω 37'29	0°32'17
direct	9883 May 30 04:58	0° \mathbb{M} 34'31			9888 Aug 15 17:53	0° \mathbb{M}	
	9883 Aug 25 07:04	0° \mathbb{M}			9888 Sep 23 20:59	0° \mathbb{M}	
desc. node	9883 Sep 27 03:11	17° \mathbb{M} 41'27		max. Earth dist.	9888 Sep 25 15:16	1° \mathbb{M} 19'22	2.39597 AU
	9883 Oct 18 18:12	0° \mathbb{M}		morning rise	9888 Oct 13 00:39	14° \mathbb{M} 14'15	
	9883 Dec 08 01:38	0° \mathbb{M}			9888 Nov 03 18:41	0° \mathbb{M}	
	9884 Jan 24 18:51	0° \mathbb{M}			9888 Dec 17 01:11	0° \mathbb{M}	
evening set	9884 Feb 13 12:12	12° \mathbb{M} 51'42			9889 Feb 01 07:11	0° \mathbb{M}	
max. Earth dist.	9884 Mar 02 22:09	25° \mathbb{M} 08'11	2.56703 AU		9889 Mar 24 02:09	0° \mathbb{M}	
	9884 Mar 10 02:44	0° \mathbb{M}		desc. node	9889 May 19 06:35	26° \mathbb{M} 45'32	
					9889 May 28 16:43	0° \mathbb{M}	
conjunction	9884 Mar 31 19:21	14° \mathbb{M} 55'42	-1°08'03	retrograde	9889 Jul 01 19:36	5° \mathbb{M} 57'09	
minimum elong	9884 Mar 31 19:08	14° \mathbb{M} 55'19	1°08'07		9889 Aug 01 22:24	30° \mathbb{M}	
	9884 Apr 22 03:53	0° \mathbb{M}		opposition	9889 Aug 10 07:46	26° \mathbb{M} 50'16	-2°45'26
morning rise	9884 May 22 06:07	21° \mathbb{M} 51'52		greatest brilliancy	9889 Aug 10 15:05	26° \mathbb{M} 43'08	-1.4m
	9884 Jun 02 05:10	0° \mathbb{M}		min. Earth dist.	9889 Aug 13 23:07	25° \mathbb{M} 25'05	0.65911 AU
	9884 Jul 11 17:44	0° \mathbb{M}		direct	9889 Sep 20 22:11	16° \mathbb{M} 46'49	
	9884 Aug 19 09:04	0° \mathbb{M}			9889 Nov 12 04:28	0° \mathbb{M}	
asc. node	9884 Sep 13 06:14	19° Ω 23'22			9890 Jan 06 15:55	0° \mathbb{M}	
	9884 Sep 26 22:59	0° \mathbb{M}			9890 Feb 20 16:46	0° \mathbb{M}	
	9884 Nov 05 11:54	0° \mathbb{M}			9890 Apr 02 14:09	0° \mathbb{M}	
	9884 Dec 17 09:33	0° \mathbb{M}		asc. node	9890 May 05 23:06	25° \mathbb{M} 45'19	
	9885 Feb 02 12:13	0° \mathbb{M}			9890 May 11 09:01	0° \mathbb{M}	
retrograde	9885 Apr 24 09:07	29° \mathbb{M} 06'25			9890 Jun 18 09:14	0° \mathbb{M}	
min. Earth dist.	9885 May 30 17:26	20° \mathbb{M} 40'59	0.63812 AU		9890 Jul 26 16:35	0° \mathbb{M}	
opposition	9885 Jun 03 15:54	19° \mathbb{M} 07'00	2°30'07	evening set	9890 Aug 08 22:04	10° \mathbb{M} 10'52	
greatest brilliancy	9885 Jun 03 07:53	19° \mathbb{M} 14'59	-1.5m		9890 Sep 04 03:58	0° \mathbb{M}	
direct	9885 Jul 12 14:09	10° \mathbb{M} 00'50					
desc. node	9885 Aug 14 06:49	15° \mathbb{M} 29'37		conjunction	9890 Oct 11 06:30	27° \mathbb{M} 02'19	1°06'26
	9885 Sep 20 01:22	0° \mathbb{M}		minimum elong	9890 Oct 11 06:48	27° \mathbb{M} 02'51	1°06'34
	9885 Nov 15 23:35	0° \mathbb{M}			9890 Oct 15 10:29	0° \mathbb{M}	
	9886 Jan 04 15:30	0° \mathbb{M}		max. Earth dist.	9890 Nov 16 16:16	22° \mathbb{M} 25'25	2.53448 AU
	9886 Feb 19 09:58	0° \mathbb{M}			9890 Nov 27 20:29	0° \mathbb{M}	
evening set	9886 Mar 27 19:16	25° \mathbb{M} 23'15		morning rise	9890 Dec 05 05:51	4° \mathbb{M} 57'34	
	9886 Apr 03 05:11	0° \mathbb{M}			9891 Jan 12 11:58	0° \mathbb{M}	
max. Earth dist.	9886 Apr 10 23:32	5° \mathbb{M} 38'10	2.43978 AU		9891 Mar 01 11:43	0° \mathbb{M}	
	9886 May 13 17:05	0° \mathbb{M}		desc. node	9891 Apr 06 01:15	21° \mathbb{M} 05'45	
					9891 Apr 21 18:12	0° \mathbb{M}	
conjunction	9886 May 22 22:56	7° \mathbb{M} 02'26	-0°45'38		9891 Jun 21 04:34	0° \mathbb{M}	
minimum elong	9886 May 23 01:32	7° \mathbb{M} 07'24	0°45'58	retrograde	9891 Aug 12 04:15	12° \mathbb{M} 25'20	
	9886 Jun 21 14:37	0° \mathbb{M}		opposition	9891 Sep 18 03:40	4° \mathbb{M} 24'24	-4°55'27
morning rise	9886 Jul 29 08:16	29° \mathbb{M} 42'56		greatest brilliancy	9891 Sep 19 08:58	3° \mathbb{M} 57'04	-1.7m
	9886 Jul 29 16:55	0° \mathbb{M}		min. Earth dist.	9891 Sep 25 09:37	1° \mathbb{M} 42'22	0.57134 AU
asc. node	9886 Aug 01 00:56	1° Ω 50'36			9891 Sep 30 05:09	30° \mathbb{M}	
	9886 Sep 05 20:42	0° \mathbb{M}		direct	9891 Oct 28 09:28	24° \mathbb{M} 48'23	
	9886 Oct 14 23:08	0° \mathbb{M}			9891 Nov 26 22:23	0° \mathbb{M}	
	9886 Nov 24 21:58	0° \mathbb{M}			9892 Jan 25 07:57	0° \mathbb{M}	
	9887 Jan 07 19:09	0° \mathbb{M}			9892 Mar 09 03:27	0° \mathbb{M}	
	9887 Feb 25 17:52	0° \mathbb{M}		asc. node	9892 Mar 23 01:46	10° \mathbb{M} 15'59	
	9887 May 04 22:42	0° \mathbb{M}			9892 Apr 18 02:16	0° \mathbb{M}	
retrograde	9887 May 28 17:02	3° \mathbb{M} 09'53			9892 May 26 20:08	0° \mathbb{M}	
	9887 Jun 19 18:42	30° \mathbb{M}			9892 Jul 04 20:14	0° \mathbb{M}	
desc. node	9887 Jul 02 08:59	25° \mathbb{M} 42'54			9892 Aug 14 01:45	0° \mathbb{M}	
opposition	9887 Jul 08 05:40	23° \mathbb{M} 24'49	-0°12'12		9892 Sep 25 02:30	0° \mathbb{M}	
greatest brilliancy	9887 Jul 08 05:36	23° \mathbb{M} 24'53	-1.3m	evening set	9892 Oct 06 12:36	7° \mathbb{M} 54'45	
min. Earth dist.	9887 Jul 08 01:56	23° \mathbb{M} 28'31	0.68165 AU		9892 Nov 08 02:53	0° \mathbb{M}	
direct	9887 Aug 18 05:40	13° \mathbb{M} 36'33					
	9887 Oct 18 09:57	0° \mathbb{M}		conjunction	9892 Nov 27 00:05	12° \mathbb{M} 29'52	0°42'32
	9887 Dec 14 02:01	0° \mathbb{M}		minimum elong	9892 Nov 27 01:24	12° \mathbb{M} 32'01	0°42'54
	9888 Jan 30 14:36	0° \mathbb{M}		max. Earth dist.	9892 Dec 14 02:10	23° \mathbb{M} 38'52	2.63410 AU
	9888 Mar 13 18:31	0° \mathbb{M}			9892 Dec 23 22:02	0° \mathbb{M}	
	9888 Apr 23 03:15	0° \mathbb{M}		morning rise	9893 Jan 12 21:44	12° \mathbb{M} 48'06	
evening set	9888 May 25 05:56	24° \mathbb{M} 52'20			9893 Feb 09 02:27	0° \mathbb{M}	
	9888 May 31 18:31	0° \mathbb{M}		desc. node	9893 Feb 20 19:22	7° \mathbb{M} 19'58	
asc. node	9888 Jun 17 23:14	13° \mathbb{M} 35'15			9893 Mar 29 09:31	0° \mathbb{M}	
	9888 Jul 08 15:53	0° \mathbb{M}			9893 May 18 02:13	0° \mathbb{M}	

	9893 Jul 10 03:27	0°♄			9898 Sep 05 13:16	0°♄	
	9893 Sep 24 12:09	0°♄		desc. node	9898 Oct 13 15:22	22°♄03'28	
retrograde	9893 Oct 07 08:18	0°♄59'03			9898 Oct 27 00:13	0°♄	
	9893 Oct 19 21:20	30°♄			9898 Dec 15 06:29	0°♄	
opposition	9893 Nov 08 22:01	24°♄53'00 -5°06'46		evening set	9899 Jan 29 18:29	28°♄47'02	
greatest brilliancy	9893 Nov 10 13:56	24°♄21'06 -2.5m			9899 Jan 31 15:39	0°♄	
min. Earth dist.	9893 Nov 17 07:55	22°♄13'10 0.43560 AU		max. Earth dist.	9899 Feb 21 03:24	13°♄22'53 2.60606 AU	
direct	9893 Dec 14 04:01	17°♄30'53					
	9894 Jan 28 17:34	0°♄		conjunction	9899 Mar 16 11:11	28°♄57'16 -1°04'07	
asc. node	9894 Feb 08 05:38	5°♄26'07		minimum elong	9899 Mar 16 10:21	28°♄55'51 1°04'05	
	9894 Mar 19 15:14	0°♄			9899 Mar 18 00:18	0°♄	
	9894 May 01 00:56	0°♄			9899 Apr 30 07:34	0°♄	
	9894 Jun 11 08:32	0°♄		morning rise	9899 May 03 11:22	2°♄14'38	
	9894 Jul 23 10:09	0°♄			9899 Jun 10 17:28	0°♄	
	9894 Sep 04 23:27	0°♄			9899 Jul 20 15:14	0°♄	
	9894 Oct 20 03:55	0°♄			9899 Aug 28 14:52	0°♄	
evening set	9894 Nov 18 23:36	19°♄19'08		asc. node	9899 Oct 01 00:43	25°♄47'33	
	9894 Dec 05 15:33	0°♄			9899 Oct 06 12:29	0°♄	
					9899 Nov 15 11:55	0°♄	
conjunction	9895 Jan 04 00:36	18°♄42'15 0°02'27			9899 Dec 28 10:34	0°♄	
minimum elong	9895 Jan 04 00:40	18°♄42'22 0°02'51			9900 Feb 17 23:53	0°♄	
behind sun begin	9895 Jan 03 06:15	18°♄13'08		retrograde	9900 Apr 11 04:13	14°♄32'40	
behind sun end	9895 Jan 04 19:06	19°♄11'36		min. Earth dist.	9900 May 15 13:48	6°♄45'41 0.60384 AU	
max. Earth dist.	9895 Jan 06 12:55	20°♄17'58 2.67966 AU		opposition	9900 May 20 23:07	4°♄38'04 3°33'11	
desc. node	9895 Jan 08 14:26	21°♄36'31		greatest brilliancy	9900 May 20 07:23	4°♄53'36 -1.6m	
	9895 Jan 21 19:52	0°♄			9900 Jun 02 16:43	30°♄	
morning rise	9895 Feb 16 19:02	16°♄28'13		direct	9900 Jun 27 16:19	25°♄56'59	
	9895 Mar 10 01:54	0°♄			9900 Jul 25 04:30	0°♄	
	9895 Apr 25 23:39	0°♄		desc. node	9900 Aug 31 19:12	14°♄05'36	
	9895 Jun 11 10:54	0°♄			9900 Oct 03 00:31	0°♄	
	9895 Jul 27 17:14	0°♄			9900 Nov 25 06:37	0°♄	
	9895 Sep 12 16:22	0°♄			9901 Jan 12 23:02	0°♄	
	9895 Nov 03 17:50	0°♄			9901 Feb 27 11:35	0°♄	
retrograde	9895 Dec 27 06:53	15°♄42'47		evening set	9901 Mar 10 16:25	7°♄40'26	
asc. node	9895 Dec 27 06:40	15°♄42'47		max. Earth dist.	9901 Mar 24 19:27	17°♄31'13 2.49320 AU	
min. Earth dist.	9896 Jan 23 18:00	11°♄14'30 0.36801 AU			9901 Apr 11 08:21	0°♄	
opposition	9896 Jan 26 15:11	10°♄27'51 2°19'35					
greatest brilliancy	9896 Jan 26 07:16	10°♄33'11 -3.0m		conjunction	9901 May 01 08:51	14°♄35'12 -1°01'23	
direct	9896 Feb 24 20:19	5°♄34'34		minimum elong	9901 May 01 10:24	14°♄38'03 1°01'38	
	9896 May 05 20:51	0°♄			9901 May 22 00:47	0°♄	
	9896 Jun 25 11:37	0°♄		morning rise	9901 Jun 30 11:33	0°♄15'36	
	9896 Aug 12 08:07	0°♄			9901 Jun 30 03:32	0°♄	
	9896 Sep 29 01:40	0°♄			9901 Aug 07 10:01	0°♄	
	9896 Nov 16 00:14	0°♄		asc. node	9901 Aug 18 19:16	8°♄57'25	
desc. node	9896 Nov 25 12:44	5°♄57'31			9901 Sep 14 16:24	0°♄	
evening set	9896 Dec 24 20:47	24°♄22'37			9901 Oct 23 20:41	0°♄	
	9897 Jan 02 18:39	0°♄			9901 Dec 03 23:36	0°♄	
max. Earth dist.	9897 Jan 27 17:56	15°♄51'09 2.66992 AU			9902 Jan 17 12:17	0°♄	
					9902 Mar 10 07:36	0°♄	
conjunction	9897 Feb 07 04:50	22°♄32'35 -0°36'55		retrograde	9902 May 16 12:42	20°♄32'00	
minimum elong	9897 Feb 07 03:53	22°♄31'02 0°36'38		min. Earth dist.	9902 Jun 24 11:24	11°♄17'03 0.67249 AU	
	9897 Feb 18 18:53	0°♄		opposition	9902 Jun 26 02:50	10°♄37'46 0°49'51	
morning rise	9897 Mar 23 02:07	21°♄04'27		greatest brilliancy	9902 Jun 26 01:52	10°♄38'44 -1.3m	
	9897 Apr 05 13:25	0°♄		desc. node	9902 Jul 19 21:52	2°♄47'35	
	9897 May 19 20:44	0°♄		direct	9902 Aug 05 11:34	1°♄02'40	
	9897 Jul 01 16:30	0°♄			9902 Oct 31 23:21	0°♄	
	9897 Aug 12 05:31	0°♄			9902 Dec 23 15:30	0°♄	
	9897 Sep 22 00:18	0°♄			9903 Feb 08 06:06	0°♄	
	9897 Nov 02 05:33	0°♄			9903 Mar 23 04:50	0°♄	
asc. node	9897 Nov 13 04:15	7°♄42'57		evening set	9903 May 01 08:56	29°♄05'11	
	9897 Dec 16 21:45	0°♄			9903 May 02 13:45	0°♄	
retrograde	9898 Feb 27 08:12	27°♄30'20			9903 Jun 10 06:41	0°♄	
min. Earth dist.	9898 Mar 27 17:38	21°♄53'51 0.47918 AU		max. Earth dist.	9903 Jun 17 01:02	5°♄19'35 2.36696 AU	
greatest brilliancy	9898 Apr 03 12:01	19°♄28'33 -2.2m					
opposition	9898 Apr 05 03:22	18°♄53'03 5°40'55		conjunction	9903 Jul 06 01:12	20°♄21'26 -0°00'26	
direct	9898 May 08 15:43	11°♄52'20		minimum elong	9903 Jul 06 01:16	20°♄21'34 0°00'50	
	9898 Jul 10 12:58	0°♄		behind sun begin	9903 Jul 04 19:15	19°♄22'07	

behind sun end	9903 Jul 07 07:17	21°☾21'01	min. Earth dist.	9908 Oct 26 10:35	0°♄00'28	0.49107 AU
asc. node	9903 Jul 06 15:14	20°☾49'11		9908 Oct 26 11:09	30°♄°	
	9903 Jul 18 05:10	0°♂	direct	9908 Nov 24 13:45	24°♄°27'08	
	9903 Aug 25 06:55	0°♄		9908 Dec 24 04:56	0°♄	
morning rise	9903 Sep 17 14:23	18°♄01'54		9909 Feb 18 19:40	0°♄	
	9903 Oct 03 08:37	0°♄	asc. node	9909 Feb 25 20:13	4°♄39'47	
	9903 Nov 13 04:54	0°♄		9909 Apr 02 15:29	0°☾	
	9903 Dec 26 13:24	0°♄		9909 May 12 19:25	0°♂	
	9904 Feb 11 09:42	0°♄		9909 Jun 21 19:50	0°♄	
	9904 Apr 04 19:27	0°♄		9909 Aug 01 22:18	0°♄	
desc. node	9904 Jun 05 21:14	22°♄17'57		9909 Sep 13 17:18	0°♄	
retrograde	9904 Jun 18 18:29	23°♄15'16		9909 Oct 28 07:58	0°♄	
opposition	9904 Jul 28 19:50	13°♄50'46 -1°47'39	evening set	9909 Nov 04 05:19	4°♄32'12	
greatest brilliancy	9904 Jul 28 22:15	13°♄48'23 -1.3m		9909 Dec 13 11:03	0°♄	
min. Earth dist.	9904 Jul 30 23:20	13°♄00'05 0.67600 AU				
direct	9904 Sep 08 09:01	3°♄49'47	conjunction	9909 Dec 21 20:21	5°♄22'33 0°18'31	
	9904 Nov 27 07:05	0°♄	minimum elong	9909 Dec 21 20:58	5°♄23'32 0°18'55	
	9905 Jan 16 23:05	0°♄	max. Earth dist.	9909 Dec 29 19:25	10°♄27'46 2.66828 AU	
	9905 Mar 01 23:31	0°♄	desc. node	9910 Jan 26 05:14	27°♄52'56	
	9905 Apr 11 13:27	0°♄		9910 Jan 29 13:29	0°♄	
	9905 May 20 05:28	0°☾	morning rise	9910 Feb 04 10:26	3°♄42'59	
asc. node	9905 May 23 15:42	2°☾41'58		9910 Mar 18 02:13	0°♄	
	9905 Jun 27 03:16	0°♂		9910 May 04 18:52	0°♄	
evening set	9905 Jul 11 15:36	11°♂28'21		9910 Jun 21 20:26	0°♄	
	9905 Aug 04 07:09	0°♄		9910 Aug 10 08:02	0°♄	
	9905 Sep 12 13:54	0°♄		9910 Oct 05 08:12	0°☾	
			retrograde	9910 Nov 25 15:03	13°☾37'04	
conjunction	9905 Sep 18 14:40	4°♄29'59 1°03'18	opposition	9910 Dec 25 12:14	8°☾40'39 -1°29'30	
minimum elong	9905 Sep 18 12:58	4°♄26'49 1°03'18	greatest brilliancy	9910 Dec 25 18:42	8°☾36'17 -3.0m	
	9905 Oct 23 15:25	0°♄	min. Earth dist.	9910 Dec 28 13:10	7°☾51'26 0.37132 AU	
max. Earth dist.	9905 Nov 03 02:08	7°♄23'30 2.48268 AU	asc. node	9911 Jan 13 22:27	4°☾15'09	
morning rise	9905 Nov 17 21:18	17°♄41'53	direct	9911 Jan 24 23:46	3°☾25'25	
	9905 Dec 05 22:03	0°♄		9911 Apr 07 06:29	0°♂	
	9906 Jan 20 15:44	0°♄		9911 May 24 17:33	0°♄	
	9906 Mar 10 07:53	0°♄		9911 Jul 08 21:09	0°♄	
desc. node	9906 Apr 23 16:45	25°♄04'31		9911 Aug 23 08:57	0°♄	
	9906 May 03 03:41	0°♄		9911 Oct 08 19:41	0°♄	
retrograde	9906 Jul 26 21:18	27°♄36'54		9911 Nov 25 01:16	0°♄	
opposition	9906 Sep 03 01:25	19°♄05'39 -4°10'03	evening set	9911 Dec 12 21:08	11°♄15'45	
greatest brilliancy	9906 Sep 03 20:53	18°♄47'04 -1.5m	desc. node	9911 Dec 14 02:54	12°♄02'45	
min. Earth dist.	9906 Sep 08 22:53	16°♄50'37 0.61337 AU		9912 Jan 11 12:19	0°♄	
direct	9906 Oct 14 02:57	9°♄11'12	max. Earth dist.	9912 Jan 20 23:27	6°♄00'12 2.68020 AU	
	9906 Dec 19 06:51	0°♄				
	9907 Feb 06 13:30	0°♄	conjunction	9912 Jan 26 12:44	9°♄31'54 -0°22'29	
	9907 Mar 20 15:48	0°♄	minimum elong	9912 Jan 26 12:06	9°♄30'52 0°22'09	
asc. node	9907 Apr 10 18:09	15°♄56'53		9912 Feb 27 13:08	0°♄	
	9907 Apr 28 22:48	0°☾	morning rise	9912 Mar 09 23:49	7°♄22'55	
	9907 Jun 06 06:51	0°♂		9912 Apr 13 15:53	0°♄	
	9907 Jul 14 21:55	0°♄		9912 May 28 14:58	0°♄	
	9907 Aug 23 18:07	0°♄		9912 Jul 11 09:35	0°♄	
evening set	9907 Sep 17 20:43	18°♄15'30		9912 Aug 23 04:42	0°☾	
	9907 Oct 04 09:40	0°♄		9912 Oct 04 16:26	0°♂	
				9912 Nov 18 00:32	0°♄	
conjunction	9907 Nov 12 02:59	26°♄39'04 0°55'13	asc. node	9912 Nov 30 22:46	8°♄01'06	
minimum elong	9907 Nov 12 04:25	26°♄41'29 0°55'32		9913 Jan 16 15:15	0°♄	
	9907 Nov 17 02:30	0°♄	retrograde	9913 Feb 07 03:35	3°♄13'26	
max. Earth dist.	9907 Dec 06 01:10	12°♄35'49 2.60114 AU		9913 Feb 28 12:35	30°♄°	
morning rise	9907 Dec 31 10:16	29°♄08'38	min. Earth dist.	9913 Mar 05 12:08	28°♄30'07 0.42471 AU	
	9908 Jan 01 18:08	0°♄	greatest brilliancy	9913 Mar 12 01:27	26°♄22'01 -2.6m	
	9908 Feb 18 02:46	0°♄	opposition	9913 Mar 13 17:03	25°♄49'31 5°36'10	
desc. node	9908 Mar 10 10:15	13°♄10'24	direct	9913 Apr 14 02:01	19°♄45'34	
	9908 Apr 07 04:31	0°♄		9913 May 28 00:19	0°♄	
	9908 May 29 02:33	0°♄		9913 Jul 26 15:02	0°♄	
	9908 Jul 30 00:21	0°♄		9913 Sep 16 02:09	0°♄	
retrograde	9908 Sep 13 06:24	9°♄58'15	desc. node	9913 Oct 31 03:35	27°♄11'48	
opposition	9908 Oct 17 18:54	3°♄00'07 -5°32'49		9913 Nov 04 17:50	0°♄	
greatest brilliancy	9908 Oct 19 12:41	2°♄23'43 -2.2m		9913 Dec 23 06:40	0°♄	

evening set	9914 Jan 16 14:21	15° \approx 20'36			9918 Nov 20 19:50	0° \mathbb{M}	
	9914 Feb 08 10:47	0° \mathbb{H}			9919 Jan 03 09:26	0° \mathbb{A}	
max. Earth dist.	9914 Feb 12 05:52	2° \mathbb{H} 27'35	2.63735 AU		9919 Feb 20 06:21	0° \mathbb{Z}	
					9919 Apr 20 06:15	0° \approx	
conjunction	9914 Mar 02 08:46	14° \mathbb{H} 18'40	-0°55'52	retrograde	9919 Jun 06 07:22	10° \approx 48'31	
minimum elong	9914 Mar 02 07:40	14° \mathbb{H} 16'51	0°55'44	desc. node	9919 Jun 23 10:58	8° \approx 54'28	
	9914 Mar 25 22:02	0° \mathbb{Y}		opposition	9919 Jul 16 17:06	1° \approx 09'46	-0°48'01
morning rise	9914 Apr 17 03:12	15° \mathbb{Y} 07'05		greatest brilliancy	9919 Jul 16 17:10	1° \approx 09'42	-1.3m
	9914 May 08 13:03	0° \mathbb{B}		min. Earth dist.	9919 Jul 17 08:49	0° \approx 54'12	0.68248 AU
	9914 Jun 19 09:43	0° \mathbb{II}			9919 Jul 19 15:40	30° \mathbb{R} \mathbb{Z}	
	9914 Jul 29 19:22	0° \mathbb{G}		direct	9919 Aug 26 23:19	21° \mathbb{Z} 15'51	
	9914 Sep 07 06:52	0° \mathbb{O}			9919 Oct 08 05:57	0° \approx	
	9914 Oct 16 17:09	0° \mathbb{N}			9919 Dec 08 22:05	0° \mathbb{H}	
asc. node	9914 Oct 18 18:05	1° \mathbb{N} 32'05			9920 Jan 26 08:22	0° \mathbb{Y}	
	9914 Nov 26 12:38	0° \mathbb{L}			9920 Mar 09 19:09	0° \mathbb{B}	
	9915 Jan 10 18:18	0° \mathbb{M}			9920 Apr 19 05:45	0° \mathbb{II}	
retrograde	9915 Mar 27 21:02	28° \mathbb{M} 21'38			9920 May 27 21:24	0° \mathbb{G}	
min. Earth dist.	9915 Apr 29 01:47	21° \mathbb{M} 20'08	0.56041 AU	asc. node	9920 Jun 09 07:29	9° \mathbb{G} 48'19	
opposition	9915 May 05 20:14	18° \mathbb{M} 42'55	4°33'08	evening set	9920 Jun 11 08:44	11° \mathbb{G} 25'48	
greatest brilliancy	9915 May 04 18:55	19° \mathbb{M} 07'29	-1.8m		9920 Jul 04 18:51	0° \mathbb{O}	
direct	9915 Jun 11 02:19	10° \mathbb{M} 33'59			9920 Aug 11 21:05	0° \mathbb{N}	
	9915 Aug 17 09:31	0° \mathbb{A}					
desc. node	9915 Sep 18 07:11	15° \mathbb{A} 59'26		conjunction	9920 Aug 21 21:26	7° \mathbb{N} 46'31	0°47'38
	9915 Oct 13 20:27	0° \mathbb{Z}		minimum elong	9920 Aug 21 17:53	7° \mathbb{N} 39'38	0°47'24
	9915 Dec 04 00:49	0° \approx			9920 Sep 20 00:45	0° \mathbb{L}	
	9916 Jan 21 01:49	0° \mathbb{H}		max. Earth dist.	9920 Oct 13 11:40	17° \mathbb{L} 23'01	2.42647 AU
evening set	9916 Feb 23 05:53	21° \mathbb{H} 44'55		morning rise	9920 Oct 27 14:31	27° \mathbb{L} 36'24	
	9916 Mar 06 11:35	0° \mathbb{Y}			9920 Oct 30 22:43	0° \mathbb{M}	
max. Earth dist.	9916 Mar 10 19:36	2° \mathbb{Y} 57'06	2.54258 AU		9920 Dec 13 03:33	0° \mathbb{A}	
					9921 Jan 28 02:30	0° \mathbb{Z}	
conjunction	9916 Apr 11 19:09	25° \mathbb{Y} 13'49	-1°07'47		9921 Mar 18 20:32	0° \approx	
minimum elong	9916 Apr 11 19:29	25° \mathbb{Y} 14'25	1°07'56	desc. node	9921 May 10 07:42	27° \approx 13'24	
	9916 Apr 18 11:39	0° \mathbb{B}			9921 May 16 16:11	0° \mathbb{H}	
	9916 May 29 09:54	0° \mathbb{II}		retrograde	9921 Jul 11 05:33	13° \mathbb{H} 56'00	
morning rise	9916 Jun 04 20:02	4° \mathbb{II} 49'30		opposition	9921 Aug 19 07:37	5° \mathbb{H} 00'25	-3°17'50
	9916 Jul 07 18:49	0° \mathbb{G}		greatest brilliancy	9921 Aug 19 18:43	4° \mathbb{H} 49'38	-1.4m
	9916 Aug 15 06:31	0° \mathbb{O}		min. Earth dist.	9921 Aug 23 18:14	3° \mathbb{H} 17'01	0.64565 AU
asc. node	9916 Sep 04 13:51	15° \mathbb{O} 53'32			9921 Sep 01 17:12	30° \mathbb{R} \approx	
	9916 Sep 22 16:42	0° \mathbb{N}		direct	9921 Sep 29 19:17	24° \approx 58'00	
	9916 Nov 01 00:54	0° \mathbb{L}			9921 Oct 30 00:24	0° \mathbb{H}	
	9916 Dec 12 12:30	0° \mathbb{M}			9921 Dec 31 22:40	0° \mathbb{Y}	
	9917 Jan 27 06:38	0° \mathbb{A}			9922 Feb 16 01:45	0° \mathbb{B}	
	9917 Mar 27 10:40	0° \mathbb{Z}			9922 Mar 29 07:30	0° \mathbb{II}	
retrograde	9917 May 03 05:08	7° \mathbb{Z} 26'22		asc. node	9922 Apr 27 08:38	22° \mathbb{II} 16'59	
	9917 Jun 06 05:32	30° \mathbb{R} \mathbb{A}			9922 May 07 05:52	0° \mathbb{G}	
min. Earth dist.	9917 Jun 09 12:48	28° \mathbb{A} 42'04	0.65325 AU		9922 Jun 14 08:08	0° \mathbb{O}	
opposition	9917 Jun 12 15:56	27° \mathbb{A} 27'10	1°53'02		9922 Jul 22 17:15	0° \mathbb{N}	
greatest brilliancy	9917 Jun 12 11:12	27° \mathbb{A} 31'54	-1.4m	evening set	9922 Aug 24 23:42	25° \mathbb{N} 18'38	
direct	9917 Jul 22 03:57	18° \mathbb{A} 09'26			9922 Aug 31 06:41	0° \mathbb{L}	
desc. node	9917 Aug 05 10:37	19° \mathbb{A} 18'33			9922 Oct 11 15:20	0° \mathbb{M}	
	9917 Sep 10 22:45	0° \mathbb{Z}					
	9917 Nov 10 23:53	0° \approx		conjunction	9922 Oct 24 04:06	8° \mathbb{M} 48'16	1°04'05
	9917 Dec 31 13:23	0° \mathbb{H}		minimum elong	9922 Oct 24 05:05	8° \mathbb{M} 49'59	1°04'18
	9918 Feb 15 14:45	0° \mathbb{Y}			9922 Nov 24 02:31	0° \mathbb{A}	
	9918 Mar 30 11:46	0° \mathbb{B}		max. Earth dist.	9922 Nov 24 21:19	0° \mathbb{A} 31'37	2.56038 AU
evening set	9918 Apr 09 00:44	6° \mathbb{B} 56'07		morning rise	9922 Dec 15 19:06	14° \mathbb{A} 26'39	
max. Earth dist.	9918 Apr 26 06:23	19° \mathbb{B} 40'54	2.41051 AU		9923 Jan 08 16:42	0° \mathbb{Z}	
	9918 May 09 23:02	0° \mathbb{II}			9923 Feb 25 08:50	0° \approx	
				desc. node	9923 Mar 28 02:48	18° \approx 35'40	
conjunction	9918 Jun 07 06:52	21° \mathbb{II} 47'23	-0°31'56		9923 Apr 16 14:34	0° \mathbb{H}	
minimum elong	9918 Jun 07 09:23	21° \mathbb{II} 52'18	0°32'18		9923 Jun 11 12:18	0° \mathbb{Y}	
	9918 Jun 17 19:13	0° \mathbb{G}		retrograde	9923 Aug 23 23:32	22° \mathbb{Y} 05'55	
asc. node	9918 Jul 23 09:57	28° \mathbb{G} 04'59		opposition	9923 Sep 29 03:50	14° \mathbb{Y} 24'44	-5°15'33
	9918 Jul 25 20:06	0° \mathbb{O}		greatest brilliancy	9923 Sep 30 14:27	13° \mathbb{Y} 52'59	-1.9m
morning rise	9918 Aug 17 06:05	17° \mathbb{O} 42'00		min. Earth dist.	9923 Oct 07 00:30	11° \mathbb{Y} 32'22	0.54468 AU
	9918 Sep 01 22:31	0° \mathbb{N}		direct	9923 Nov 07 16:39	5° \mathbb{Y} 05'29	
	9918 Oct 10 23:36	0° \mathbb{L}			9924 Jan 17 14:55	0° \mathbb{B}	

	9924 Mar 03 12:24	0°♐			9929 Feb 15 04:19	0°♏	
asc. node	9924 Mar 14 12:13	7°♐54'08					
	9924 Apr 13 03:46	0°♍		conjunction	9929 Feb 16 02:24	0°♏35'41	-0°44'34
	9924 May 22 06:29	0°♌		minimum elong	9929 Feb 16 01:20	0°♏33'56	0°44'20
	9924 Jun 30 12:47	0°♎		morning rise	9929 Apr 01 10:56	29°♏44'14	
	9924 Aug 09 23:38	0°♊			9929 Apr 01 20:22	0°♑	
	9924 Sep 21 05:07	0°♋			9929 May 15 21:50	0°♐	
evening set	9924 Oct 18 01:49	18°♋23'51			9929 Jun 27 08:55	0°♐	
	9924 Nov 04 09:04	0°♊			9929 Aug 07 10:58	0°♍	
					9929 Sep 16 16:07	0°♌	
conjunction	9924 Dec 06 22:45	21°♊23'53	0°34'04		9929 Oct 27 00:10	0°♎	
minimum elong	9924 Dec 06 23:51	21°♊25'40	0°34'28	asc. node	9929 Nov 04 13:38	6°♎14'15	
	9924 Dec 20 05:57	0°♑			9929 Dec 08 13:11	0°♊	
max. Earth dist.	9924 Dec 20 14:13	0°♑13'18	2.64860 AU		9930 Jan 29 20:39	0°♋	
morning rise	9925 Jan 21 20:33	20°♑49'48		retrograde	9930 Mar 10 23:32	9°♋52'52	
	9925 Feb 05 08:41	0°♒		min. Earth dist.	9930 Apr 09 17:50	3°♋44'29	0.50926 AU
desc. node	9925 Feb 11 20:40	4°♒05'40		greatest brilliancy	9930 Apr 16 05:33	1°♋19'54	-2.1m
	9925 Mar 25 07:28	0°♏		opposition	9930 Apr 17 16:44	0°♋47'00	5°23'03
	9925 May 13 02:53	0°♑			9930 Apr 19 19:33	30°♒♊	
	9925 Jul 02 18:02	0°♐		direct	9930 May 22 05:47	23°♊19'08	
	9925 Aug 28 22:29	0°♐			9930 Jun 26 14:15	0°♋	
retrograde	9925 Oct 24 17:19	15°♐17'41			9930 Aug 30 11:59	0°♊	
opposition	9925 Nov 25 00:46	9°♐42'11	-4°17'20	desc. node	9930 Oct 04 18:37	19°♊41'20	
greatest brilliancy	9925 Nov 26 08:17	9°♐18'33	-2.7m		9930 Oct 22 12:38	0°♑	
min. Earth dist.	9925 Dec 02 08:40	7°♐31'04	0.40733 AU		9930 Dec 11 09:15	0°♒	
direct	9925 Dec 28 14:37	3°♐08'14			9931 Jan 27 23:45	0°♏	
asc. node	9926 Jan 30 13:44	10°♐08'25		evening set	9931 Feb 08 01:53	7°♏11'42	
	9926 Mar 09 22:54	0°♍		max. Earth dist.	9931 Feb 28 06:33	20°♏31'06	2.58546 AU
	9926 Apr 24 05:47	0°♌			9931 Mar 14 09:02	0°♑	
	9926 Jun 05 19:38	0°♎					
	9926 Jul 18 15:33	0°♊		conjunction	9931 Mar 26 13:30	8°♑18'48	-1°07'02
	9926 Aug 31 17:28	0°♋		minimum elong	9931 Mar 26 12:58	8°♑17'53	1°07'04
	9926 Oct 16 06:22	0°♊			9931 Apr 26 14:00	0°♐	
evening set	9926 Nov 28 11:26	27°♊46'40		morning rise	9931 May 15 07:03	13°♐26'54	
	9926 Dec 01 23:05	0°♑			9931 Jun 06 19:57	0°♐	
desc. node	9926 Dec 30 16:31	18°♑15'09			9931 Jul 16 13:07	0°♍	
					9931 Aug 24 08:19	0°♌	
conjunction	9927 Jan 12 21:12	26°♑37'09	-0°06'59	asc. node	9931 Sep 22 08:27	22°♌31'15	
minimum elong	9927 Jan 12 21:00	26°♑36'51	0°06'36		9931 Oct 02 00:59	0°♎	
behind sun begin	9927 Jan 12 03:56	26°♑09'48			9931 Nov 10 16:51	0°♊	
behind sun end	9927 Jan 13 14:04	27°♑03'53			9931 Dec 22 21:24	0°♋	
max. Earth dist.	9927 Jan 12 12:44	26°♑23'45	2.68225 AU		9932 Feb 09 04:44	0°♊	
	9927 Jan 18 05:10	0°♒		retrograde	9932 Apr 19 09:30	23°♊29'48	
morning rise	9927 Feb 25 09:48	24°♒16'45		min. Earth dist.	9932 May 24 21:16	15°♊21'03	0.62388 AU
	9927 Mar 06 08:49	0°♏		opposition	9932 May 29 11:47	13°♊31'22	2°56'46
	9927 Apr 21 23:04	0°♑		greatest brilliancy	9932 May 29 00:39	13°♊42'25	-1.5m
	9927 Jun 06 19:24	0°♐		direct	9932 Jul 06 21:29	4°♊35'51	
	9927 Jul 21 23:16	0°♐		desc. node	9932 Aug 21 22:07	14°♊39'51	
	9927 Sep 04 21:09	0°♍			9932 Sep 25 13:30	0°♑	
	9927 Oct 21 04:38	0°♌			9932 Nov 19 18:39	0°♒	
asc. node	9927 Dec 18 14:46	29°♌42'49			9933 Jan 08 01:19	0°♏	
	9927 Dec 19 12:15	0°♎			9933 Feb 22 18:33	0°♑	
retrograde	9928 Jan 13 19:04	4°♎15'06		evening set	9933 Mar 20 16:32	17°♑54'55	
	9928 Feb 08 18:53	30°♒♌		max. Earth dist.	9933 Apr 03 09:24	27°♑39'07	2.46401 AU
min. Earth dist.	9928 Feb 08 23:00	29°♌57'06	0.38125 AU		9933 Apr 06 15:49	0°♐	
opposition	9928 Feb 14 13:31	28°♌20'10	4°04'30				
greatest brilliancy	9928 Feb 13 15:13	28°♌36'20	-2.9m	conjunction	9933 May 13 15:53	27°♐16'19	-0°53'41
direct	9928 Mar 15 05:39	23°♌10'06		minimum elong	9933 May 13 18:06	27°♐20'30	0°54'00
	9928 Apr 18 09:52	0°♎			9933 May 17 06:40	0°♐	
	9928 Jun 17 18:45	0°♊			9933 Jun 25 07:01	0°♍	
	9928 Aug 06 22:14	0°♋		morning rise	9933 Jul 16 18:49	16°♍50'54	
	9928 Sep 24 15:53	0°♊			9933 Aug 02 11:20	0°♌	
	9928 Nov 12 02:43	0°♑		asc. node	9933 Aug 09 02:39	5°♌14'09	
desc. node	9928 Nov 16 16:04	2°♑49'52			9933 Sep 09 15:46	0°♎	
	9928 Dec 30 02:57	0°♒			9933 Oct 18 17:54	0°♊	
evening set	9929 Jan 02 18:07	2°♒17'25			9933 Nov 28 16:48	0°♋	
max. Earth dist.	9929 Feb 02 22:46	22°♒07'33	2.66072 AU		9934 Jan 11 17:15	0°♊	

	9934 Mar 02 11:21	0°♂		9939 Apr 23 10:01	0°♄
retrograde	9934 May 24 02:27	28°♂17'57		9939 May 31 23:06	0°♂
opposition	9934 Jul 03 15:53	18°♂28'16 0°13'18		9939 Jul 09 18:16	0°♄
min. Earth dist.	9934 Jul 02 19:44	18°♂48'18 0.67879 AU		9939 Aug 18 18:19	0°♄
greatest brilliancy	9934 Jul 03 15:50	18°♂28'18 -1.3m	evening set	9939 Sep 29 22:05	0°♄14'41
desc. node	9934 Jul 10 00:42	15°♂58'27		9939 Sep 29 13:42	0°♄
direct	9934 Aug 13 09:27	8°♂45'33		9939 Nov 12 09:16	0°♂
	9934 Oct 24 05:22	0°♄			
	9934 Dec 18 01:04	0°♂	conjunction	9939 Nov 21 22:26	6°♂21'54 0°48'12
	9935 Feb 03 05:30	0°♂	minimum elong	9939 Nov 21 23:51	6°♂24'15 0°48'33
	9935 Mar 18 08:45	0°♂	max. Earth dist.	9939 Dec 11 22:28	19°♂31'52 2.62044 AU
	9935 Apr 27 18:39	0°♂		9939 Dec 28 01:43	0°♂
evening set	9935 May 15 10:45	13°♂34'46	morning rise	9940 Jan 08 19:04	7°♂32'01
	9935 Jun 05 11:13	0°♄		9940 Feb 13 06:49	0°♄
asc. node	9935 Jun 27 00:25	17°♄01'28	desc. node	9940 Feb 29 12:16	10°♄07'13
	9935 Jul 13 09:08	0°♂		9940 Apr 01 20:28	0°♂
				9940 May 22 08:19	0°♂
conjunction	9935 Jul 23 06:52	7°♂50'56 0°18'52		9940 Jul 16 23:20	0°♂
minimum elong	9935 Jul 23 04:48	7°♂46'53 0°18'29	retrograde	9940 Sep 26 18:44	21°♂50'03
	9935 Aug 20 10:25	0°♄	opposition	9940 Oct 30 06:53	15°♂19'42 -5°24'56
max. Earth dist.	9935 Sep 04 16:07	11°♄49'51 2.37427 AU	greatest brilliancy	9940 Nov 01 01:20	14°♂44'18 -2.3m
	9935 Sep 28 11:46	0°♄	min. Earth dist.	9940 Nov 08 00:51	12°♂26'07 0.46022 AU
morning rise	9935 Oct 03 13:41	3°♄48'56	direct	9940 Dec 05 18:59	7°♂22'43
	9935 Nov 08 07:24	0°♄		9941 Feb 08 11:30	0°♂
	9935 Dec 21 12:40	0°♂	asc. node	9941 Feb 16 06:14	4°♂40'04
	9936 Feb 05 21:59	0°♂		9941 Mar 26 03:09	0°♄
	9936 Mar 28 11:40	0°♄		9941 May 06 07:41	0°♂
desc. node	9936 May 26 23:18	26°♄01'51		9941 Jun 15 22:39	0°♄
	9936 Jun 13 15:54	0°♂		9941 Jul 27 11:36	0°♄
retrograde	9936 Jun 26 17:50	0°♂58'37		9941 Sep 08 15:00	0°♄
	9936 Jul 09 04:35	30°♄		9941 Oct 23 11:49	0°♂
opposition	9936 Aug 05 11:58	21°♄43'24 -2°21'43	evening set	9941 Nov 13 08:35	13°♂36'59
greatest brilliancy	9936 Aug 05 16:51	21°♄38'38 -1.3m		9941 Dec 08 18:47	0°♂
min. Earth dist.	9936 Aug 08 10:51	20°♄33'55 0.66787 AU			
direct	9936 Sep 16 02:07	11°♄40'33	conjunction	9941 Dec 30 00:30	13°♂33'43 0°09'07
	9936 Nov 18 21:19	0°♂	minimum elong	9941 Dec 30 00:49	13°♂34'12 0°09'32
	9937 Jan 11 00:55	0°♂	behind sun begin	9941 Dec 29 09:30	13°♂09'52
	9937 Feb 24 16:12	0°♂	behind sun end	9941 Dec 30 16:07	13°♂58'32
	9937 Apr 06 11:19	0°♂	max. Earth dist.	9942 Jan 03 22:45	16°♂41'47 2.67573 AU
asc. node	9937 May 14 00:23	29°♂02'53	desc. node	9942 Jan 16 07:01	24°♂32'17
	9937 May 15 05:29	0°♄		9942 Jan 24 21:45	0°♄
	9937 Jun 22 04:42	0°♂	morning rise	9942 Feb 12 01:54	11°♄30'46
evening set	9937 Jul 28 10:03	28°♂27'00		9942 Mar 13 06:25	0°♂
	9937 Jul 30 09:56	0°♄		9942 Apr 29 12:06	0°♂
	9937 Sep 07 18:08	0°♄		9942 Jun 15 14:33	0°♂
				9942 Aug 02 00:49	0°♂
conjunction	9937 Oct 02 09:37	18°♄09'27 1°06'21		9942 Sep 20 12:59	0°♄
minimum elong	9937 Oct 02 09:10	18°♄08'39 1°06'27		9942 Nov 27 03:12	0°♂
	9937 Oct 18 21:04	0°♄	retrograde	9942 Dec 14 06:25	1°♄51'28
max. Earth dist.	9937 Nov 11 22:28	16°♄52'07 2.51198 AU		9942 Dec 31 08:50	30°♄
morning rise	9937 Nov 28 13:39	28°♄14'50	asc. node	9943 Jan 04 08:18	29°♄07'00
	9937 Dec 01 03:51	0°♂	opposition	9943 Jan 13 00:43	26°♄54'16 0°40'57
	9938 Jan 15 18:35	0°♂	greatest brilliancy	9943 Jan 12 24:00	26°♄54'44 -3.1m
	9938 Mar 04 23:00	0°♄	min. Earth dist.	9943 Jan 12 19:24	26°♄57'46 0.36493 AU
desc. node	9938 Apr 13 18:09	23°♄13'10	direct	9943 Feb 11 09:42	22°♄00'30
	9938 Apr 26 01:19	0°♂		9943 Mar 19 21:32	0°♂
	9938 Jun 30 22:06	0°♂		9943 May 15 10:40	0°♄
retrograde	9938 Aug 05 11:17	6°♂21'59		9943 Jul 01 23:00	0°♄
	9938 Sep 06 21:12	30°♄		9943 Aug 17 13:50	0°♄
opposition	9938 Sep 12 00:09	28°♂06'33 -4°37'15		9943 Oct 03 15:35	0°♂
greatest brilliancy	9938 Sep 13 01:01	27°♂43'04 -1.6m		9943 Nov 20 05:49	0°♂
min. Earth dist.	9938 Sep 18 15:36	25°♂36'05 0.59125 AU	desc. node	9943 Dec 04 04:28	8°♂46'06
direct	9938 Oct 22 15:35	18°♂20'42	evening set	9943 Dec 20 21:55	19°♂17'50
	9938 Dec 08 07:00	0°♂		9944 Jan 06 20:51	0°♄
	9939 Jan 30 18:24	0°♂	max. Earth dist.	9944 Jan 26 01:03	12°♄09'53 2.67561 AU
	9939 Mar 14 18:33	0°♂			
asc. node	9939 Apr 01 02:18	12°♂55'19	conjunction	9944 Feb 03 07:54	17°♄26'45 -0°31'08

minimum elong	9944 Feb 03 07:03	17° \approx 25'23	0°30'48	min. Earth dist.	9949 Jun 18 02:20	6° \mathcal{Z} 28'02	0.66505 AU
	9944 Feb 22 21:38	0° \mathcal{H}		opposition	9949 Jun 20 10:14	5° \mathcal{Z} 32'18	1°15'59
morning rise	9944 Mar 17 22:45	15° \mathcal{H} 35'50		greatest brilliancy	9949 Jun 20 07:57	5° \mathcal{Z} 34'35	-1.4m
	9944 Apr 08 20:25	0° \mathcal{Y}			9949 Jul 05 13:54	30° \mathcal{R} \mathcal{Z}	
	9944 May 23 11:02	0° \mathcal{B}		desc. node	9949 Jul 26 13:43	26° \mathcal{Z} 10'06	
	9944 Jul 05 16:55	0° \mathcal{II}		direct	9949 Jul 30 10:29	26° \mathcal{Z} 04'36	
	9944 Aug 16 18:13	0° \mathcal{G}			9949 Aug 26 18:27	0° \mathcal{Z}	
	9944 Sep 27 04:18	0° \mathcal{Q}			9949 Nov 04 13:23	0° \approx	
	9944 Nov 08 08:44	0° \mathcal{M}			9949 Dec 26 07:37	0° \mathcal{H}	
asc. node	9944 Nov 21 06:32	8° \mathcal{M} 45'01			9950 Feb 10 17:54	0° \mathcal{Y}	
	9944 Dec 25 21:03	0° \mathcal{L}			9950 Mar 25 17:10	0° \mathcal{B}	
retrograde	9945 Feb 19 14:18	17° \mathcal{L} 57'37		evening set	9950 Apr 21 05:42	19° \mathcal{B} 29'39	
min. Earth dist.	9945 Mar 18 22:46	12° \mathcal{L} 46'00	0.45440 AU		9950 May 05 04:10	0° \mathcal{II}	
greatest brilliancy	9945 Mar 25 17:54	10° \mathcal{L} 25'23	-2.4m	max. Earth dist.	9950 May 16 05:12	8° \mathcal{II} 26'26	2.38309 AU
opposition	9945 Mar 27 10:54	9° \mathcal{L} 49'41	5°46'56		9950 Jun 12 23:02	0° \mathcal{G}	
direct	9945 Apr 29 01:22	3° \mathcal{L} 13'20					
	9945 Jul 17 20:14	0° \mathcal{M}		conjunction	9950 Jun 23 00:47	7° \mathcal{G} 55'17	-0°14'53
	9945 Sep 09 22:36	0° \mathcal{Z}		minimum elong	9950 Jun 23 02:18	7° \mathcal{G} 58'16	0°15'17
desc. node	9945 Oct 21 06:45	24° \mathcal{Z} 25'32		behind sun begin	9950 Jun 22 16:27	7° \mathcal{G} 38'53	
	9945 Oct 30 13:03	0° \mathcal{Z}		behind sun end	9950 Jun 23 12:08	8° \mathcal{G} 17'39	
	9945 Dec 18 11:43	0° \approx		asc. node	9950 Jul 13 16:33	24° \mathcal{G} 15'11	
evening set	9946 Jan 24 15:20	23° \approx 27'29			9950 Jul 20 22:43	0° \mathcal{Q}	
	9946 Feb 03 19:19	0° \mathcal{H}			9950 Aug 28 00:26	0° \mathcal{M}	
max. Earth dist.	9946 Feb 17 21:55	9° \mathcal{H} 10'25	2.62115 AU	morning rise	9950 Sep 04 05:01	5° \mathcal{M} 36'17	
					9950 Oct 06 00:53	0° \mathcal{L}	
conjunction	9946 Mar 10 20:20	23° \mathcal{H} 00'41	-1°01'08		9950 Nov 15 19:45	0° \mathcal{M}	
minimum elong	9946 Mar 10 19:20	22° \mathcal{H} 59'02	1°01'03		9950 Dec 29 04:16	0° \mathcal{Z}	
	9946 Mar 21 06:15	0° \mathcal{Y}			9951 Feb 14 07:12	0° \mathcal{Z}	
morning rise	9946 Apr 26 17:17	25° \mathcal{Y} 03'39			9951 Apr 10 06:22	0° \approx	
	9946 May 03 17:57	0° \mathcal{B}		retrograde	9951 Jun 13 23:19	18° \approx 24'08	
	9946 Jun 14 09:30	0° \mathcal{II}		desc. node	9951 Jun 13 13:41	18° \approx 24'04	
	9946 Jul 24 12:52	0° \mathcal{G}		opposition	9951 Jul 24 04:31	8° \approx 52'45	-1°23'09
	9946 Sep 01 17:39	0° \mathcal{Q}		greatest brilliancy	9951 Jul 24 05:34	8° \approx 51'42	-1.3m
asc. node	9946 Oct 09 02:43	28° \mathcal{Q} 41'42		min. Earth dist.	9951 Jul 25 15:32	8° \approx 18'09	0.68020 AU
	9946 Oct 10 19:49	0° \mathcal{M}			9951 Aug 21 12:52	30° \mathcal{R} \mathcal{Z}	
	9946 Nov 20 01:13	0° \mathcal{L}		direct	9951 Sep 03 15:01	28° \mathcal{Z} 54'30	
	9947 Jan 02 15:39	0° \mathcal{M}			9951 Sep 17 10:45	0° \approx	
	9947 Feb 27 04:43	0° \mathcal{Z}			9951 Dec 02 05:52	0° \mathcal{H}	
retrograde	9947 Apr 05 17:56	8° \mathcal{Z} 17'35			9952 Jan 20 22:36	0° \mathcal{Y}	
min. Earth dist.	9947 May 09 04:45	0° \mathcal{Z} 50'05	0.58544 AU		9952 Mar 04 18:18	0° \mathcal{B}	
	9947 May 11 08:06	30° \mathcal{R} \mathcal{M}			9952 Apr 14 07:49	0° \mathcal{II}	
greatest brilliancy	9947 May 14 09:40	28° \mathcal{M} 47'39	-1.7m		9952 May 23 00:02	0° \mathcal{G}	
opposition	9947 May 15 05:27	28° \mathcal{M} 28'13	3°59'20	asc. node	9952 May 30 16:30	6° \mathcal{G} 03'39	
direct	9947 Jun 21 07:27	20° \mathcal{M} 00'40		evening set	9952 Jun 28 06:54	28° \mathcal{G} 43'19	
	9947 Aug 05 18:16	0° \mathcal{Z}			9952 Jun 29 21:36	0° \mathcal{Q}	
desc. node	9947 Sep 08 10:57	14° \mathcal{Z} 54'09			9952 Aug 07 00:09	0° \mathcal{M}	
	9947 Oct 07 12:05	0° \mathcal{Z}					
	9947 Nov 28 19:53	0° \approx		conjunction	9952 Sep 07 00:31	23° \mathcal{M} 50'39	0°58'19
	9948 Jan 16 06:24	0° \mathcal{H}		minimum elong	9952 Sep 06 21:49	23° \mathcal{M} 45'33	0°58'12
	9948 Mar 01 19:03	0° \mathcal{Y}			9952 Sep 15 04:24	0° \mathcal{L}	
evening set	9948 Mar 03 10:07	1° \mathcal{Y} 06'24		max. Earth dist.	9952 Oct 26 09:28	0° \mathcal{M} 11'33	2.45787 AU
max. Earth dist.	9948 Mar 18 13:31	11° \mathcal{Y} 30'33	2.51598 AU		9952 Oct 26 03:00	0° \mathcal{M}	
	9948 Apr 13 18:28	0° \mathcal{B}		morning rise	9952 Nov 09 01:57	9° \mathcal{M} 52'52	
					9952 Dec 08 07:11	0° \mathcal{Z}	
conjunction	9948 Apr 22 13:19	6° \mathcal{B} 20'02	-1°05'09		9953 Jan 23 01:11	0° \mathcal{Z}	
minimum elong	9948 Apr 22 14:19	6° \mathcal{B} 21'52	1°05'22		9953 Mar 13 00:58	0° \approx	
	9948 May 24 14:36	0° \mathcal{II}		desc. node	9953 Apr 30 09:50	26° \approx 34'08	
morning rise	9948 Jun 18 17:24	19° \mathcal{II} 05'11			9953 May 07 08:38	0° \mathcal{H}	
	9948 Jul 02 20:41	0° \mathcal{G}		retrograde	9953 Jul 19 23:52	22° \mathcal{H} 07'02	
	9948 Aug 10 05:45	0° \mathcal{Q}		opposition	9953 Aug 27 14:09	13° \mathcal{H} 24'10	-3°48'40
asc. node	9948 Aug 25 21:45	12° \mathcal{Q} 17'59		greatest brilliancy	9953 Aug 28 05:42	13° \mathcal{H} 09'12	-1.5m
	9948 Sep 17 13:28	0° \mathcal{M}		min. Earth dist.	9953 Sep 01 19:38	11° \mathcal{H} 23'22	0.62911 AU
	9948 Oct 26 18:15	0° \mathcal{L}		direct	9953 Oct 07 20:49	3° \mathcal{H} 25'10	
	9948 Dec 06 22:47	0° \mathcal{M}			9953 Dec 24 09:19	0° \mathcal{Y}	
	9949 Jan 20 19:08	0° \mathcal{Z}			9954 Feb 10 03:43	0° \mathcal{B}	
	9949 Mar 15 11:24	0° \mathcal{Z}			9954 Mar 23 21:33	0° \mathcal{II}	
retrograde	9949 May 10 20:53	15° \mathcal{Z} 29'31		asc. node	9954 Apr 17 19:00	18° \mathcal{II} 56'28	

	9954 May 02 00:53	0°☾		minimum elong	9959 Jan 20 16:36	4°≈30'29	0°15'48
	9954 Jun 09 06:05	0°♊		behind sun begin	9959 Jan 20 14:14	4°≈26'44	
	9954 Jul 17 17:43	0°♎		behind sun end	9959 Jan 20 18:59	4°≈34'15	
	9954 Aug 26 09:31	0°♋			9959 Mar 01 16:08	0°♎	
evening set	9954 Sep 07 21:45	9°♋12'17		morning rise	9959 Mar 05 03:22	2°♎13'34	
	9954 Oct 06 20:30	0°♌			9959 Apr 17 00:12	0°♎	
					9959 Jun 01 08:31	0°♎	
conjunction	9954 Nov 04 05:26	19°♌42'57	0°59'33		9959 Jul 15 17:04	0°♎	
minimum elong	9954 Nov 04 06:48	19°♌45'16	0°59'50		9959 Aug 28 07:23	0°☾	
	9954 Nov 19 09:15	0°♎			9959 Oct 11 01:14	0°♊	
max. Earth dist.	9954 Dec 01 14:24	8°♎10'11	2.58383 AU		9959 Nov 27 08:37	0°♎	
morning rise	9954 Dec 24 21:03	23°♎28'33		asc. node	9959 Dec 09 00:29	6°♎20'45	
	9955 Jan 03 22:51	0°♎		retrograde	9960 Jan 28 16:08	21°♎34'36	
	9955 Feb 20 09:12	0°≈		min. Earth dist.	9960 Feb 23 13:21	17°♎08'30	0.40296 AU
desc. node	9955 Mar 18 03:25	15°≈48'09		opposition	9960 Mar 01 23:46	14°♎50'49	5°10'41
	9955 Apr 10 20:39	0°♎		greatest brilliancy	9960 Feb 29 13:23	15°♎17'30	-2.7m
	9955 Jun 03 02:15	0°♎		direct	9960 Apr 01 11:01	9°♎12'54	
	9955 Aug 14 19:41	0°♎			9960 Jun 06 20:58	0°♋	
retrograde	9955 Sep 04 14:10	2°♎23'52			9960 Jul 30 22:37	0°♌	
	9955 Sep 24 02:26	30°♎♎			9960 Sep 19 00:49	0°♎	
opposition	9955 Oct 09 21:45	25°♎05'14	-5°28'41	desc. node	9960 Nov 06 18:54	29°♎47'54	
greatest brilliancy	9955 Oct 11 12:56	24°♎30'12	-2.0m		9960 Nov 07 02:46	0°♎	
min. Earth dist.	9955 Oct 18 07:14	22°♎06'12	0.51567 AU		9960 Dec 25 09:56	0°≈	
direct	9955 Nov 17 13:22	16°♎08'55		evening set	9961 Jan 10 15:32	10°≈13'58	
	9956 Jan 06 03:57	0°♎		max. Earth dist.	9961 Feb 08 05:28	28°≈29'45	2.64876 AU
	9956 Feb 25 02:48	0°♎			9961 Feb 10 13:21	0°♎	
asc. node	9956 Mar 04 21:04	6°♎03'37					
	9956 Apr 06 19:38	0°☾		conjunction	9961 Feb 24 04:02	8°♎50'30	-0°51'31
	9956 May 16 10:36	0°♊		minimum elong	9961 Feb 24 02:55	8°♎48'40	0°51'18
	9956 Jun 25 01:32	0°♎			9961 Mar 28 03:31	0°♎	
	9956 Aug 04 19:19	0°♋		morning rise	9961 Apr 10 05:07	8°♎48'58	
	9956 Sep 16 06:40	0°♌			9961 May 10 23:49	0°♎	
evening set	9956 Oct 28 00:36	28°♌16'20			9961 Jun 22 03:28	0°♎	
	9956 Oct 30 15:02	0°♎			9961 Aug 01 20:28	0°☾	
					9961 Sep 10 15:16	0°♊	
conjunction	9956 Dec 15 13:35	29°♎58'53	0°25'05		9961 Oct 20 09:30	0°♎	
minimum elong	9956 Dec 15 14:24	0°♎00'13	0°25'30	asc. node	9961 Oct 25 20:18	4°♎03'33	
	9956 Dec 15 14:17	0°♎			9961 Nov 30 17:36	0°♋	
max. Earth dist.	9956 Dec 25 23:12	6°♎39'34	2.66048 AU		9962 Jan 16 17:27	0°♌	
morning rise	9957 Jan 29 16:05	28°♎44'17		retrograde	9962 Mar 20 19:29	21°♌11'25	
	9957 Jan 31 15:58	0°≈		min. Earth dist.	9962 Apr 20 23:07	14°♌32'36	0.53834 AU
desc. node	9957 Feb 01 21:40	0°≈46'56		greatest brilliancy	9962 Apr 27 01:13	12°♌13'16	-1.9m
	9957 Mar 20 08:30	0°♎		opposition	9962 Apr 28 07:02	11°♌44'43	4°56'34
	9957 May 07 11:42	0°♎		direct	9962 Jun 02 19:01	3°♌53'04	
	9957 Jun 25 11:54	0°♎			9962 Aug 22 12:43	0°♎	
	9957 Aug 16 07:21	0°♎		desc. node	9962 Sep 24 22:31	17°♎40'44	
	9957 Oct 29 02:41	0°☾			9962 Oct 16 19:10	0°♎	
retrograde	9957 Nov 11 04:51	1°☾03'37			9962 Dec 06 09:32	0°≈	
	9957 Nov 24 03:21	30°♌♎			9963 Jan 23 06:49	0°♎	
opposition	9957 Dec 11 13:40	25°♎54'03	-2°55'11	evening set	9963 Feb 16 13:56	15°♎50'23	
greatest brilliancy	9957 Dec 12 07:24	25°♎41'32	-2.9m	max. Earth dist.	9963 Mar 06 17:44	27°♎58'21	2.56266 AU
min. Earth dist.	9957 Dec 16 20:56	24°♎24'35	0.38419 AU		9963 Mar 09 17:40	0°♎	
direct	9958 Jan 12 08:41	20°♎07'17					
asc. node	9958 Jan 20 23:09	20°♎38'36		conjunction	9963 Apr 05 02:26	18°♎09'09	-1°08'14
	9958 Feb 21 08:03	0°☾		minimum elong	9963 Apr 05 02:20	18°♎08'59	1°08'21
	9958 Apr 14 23:48	0°♊			9963 Apr 21 20:57	0°♎	
	9958 May 29 15:18	0°♎		morning rise	9963 May 27 00:27	25°♎34'03	
	9958 Jul 12 13:06	0°♋			9963 Jun 01 23:33	0°♎	
	9958 Aug 26 07:08	0°♌			9963 Jul 11 12:33	0°☾	
	9958 Oct 11 06:29	0°♎			9963 Aug 19 03:30	0°♊	
	9958 Nov 27 05:33	0°♎		asc. node	9963 Sep 12 15:27	19°♊06'59	
evening set	9958 Dec 06 18:36	6°♎03'14			9963 Sep 26 16:01	0°♎	
desc. node	9958 Dec 20 18:39	14°♎55'20			9963 Nov 05 02:04	0°♋	
	9959 Jan 13 13:59	0°≈			9963 Dec 16 17:58	0°♌	
max. Earth dist.	9959 Jan 17 12:18	2°≈29'30	2.68214 AU		9964 Feb 01 05:03	0°♎	
					9964 Apr 08 22:33	0°♎	
conjunction	9959 Jan 20 17:05	4°≈31'14	-0°16'11	retrograde	9964 Apr 27 08:47	2°♎05'16	

	9964 May 14 18:28	30° \mathbb{R} \mathbb{X}			9969 May 10 04:11	0° \mathbb{G}	
min. Earth dist.	9964 Jun 02 21:32	23° \mathbb{X} 36'23	0.64142 AU		9969 Jun 17 04:53	0° \mathcal{O}	
opposition	9964 Jun 06 16:55	22° \mathbb{X} 05'25	2°19'39		9969 Jul 25 11:39	0° \mathbb{M}	
greatest brilliancy	9964 Jun 06 09:41	22° \mathbb{X} 12'36	-1.5m	evening set	9969 Aug 13 08:51	14° \mathbb{M} 30'57	
direct	9964 Jul 15 18:18	12° \mathbb{X} 57'04			9969 Sep 02 21:41	0° \mathcal{O}	
desc. node	9964 Aug 12 02:02	16° \mathbb{X} 53'40			9969 Oct 14 02:23	0° \mathbb{M}	
	9964 Sep 16 19:16	0° \mathbb{Z}					
	9964 Nov 13 23:46	0° \approx		conjunction	9969 Oct 15 02:40	0° \mathbb{M} 43'06	1°06'03
	9965 Jan 03 00:46	0° \mathbb{X}		minimum elong	9969 Oct 15 03:11	0° \mathbb{M} 44'01	1°06'14
	9965 Feb 18 00:10	0° \mathbb{Y}		max. Earth dist.	9969 Nov 19 17:37	25° \mathbb{M} 27'55	2.53961 AU
evening set	9965 Mar 31 07:14	28° \mathbb{Y} 49'08			9969 Nov 26 10:11	0° \mathbb{X}	
	9965 Apr 01 22:38	0° \mathcal{B}		morning rise	9969 Dec 08 14:16	8° \mathbb{X} 09'49	
max. Earth dist.	9965 Apr 14 23:54	9° \mathcal{B} 28'58	2.43442 AU		9970 Jan 10 22:57	0° \mathbb{Z}	
	9965 May 12 12:42	0° \mathbb{I}			9970 Feb 27 18:23	0° \approx	
				desc. node	9970 Apr 03 19:41	20° \approx 56'23	
conjunction	9965 May 27 00:15	11° \mathbb{I} 02'28	-0°42'39		9970 Apr 19 15:02	0° \mathbb{X}	
minimum elong	9965 May 27 02:52	11° \mathbb{I} 07'29	0°43'00		9970 Jun 17 05:25	0° \mathbb{Y}	
	9965 Jun 20 11:21	0° \mathbb{G}		retrograde	9970 Aug 15 16:00	15° \mathbb{Y} 34'58	
	9965 Jul 28 13:47	0° \mathcal{O}		opposition	9970 Sep 21 11:51	7° \mathbb{Y} 37'16	-5°00'46
asc. node	9965 Jul 30 11:42	1° \mathcal{O} 30'42		greatest brilliancy	9970 Sep 22 18:10	7° \mathbb{Y} 09'02	-1.8m
morning rise	9965 Aug 03 04:26	4° \mathcal{O} 25'57		min. Earth dist.	9970 Sep 28 20:05	4° \mathbb{Y} 53'37	0.56665 AU
	9965 Sep 04 16:38	0° \mathbb{M}			9970 Oct 14 19:22	30° \mathbb{R} \mathbb{X}	
	9965 Oct 13 17:01	0° \mathcal{O}		direct	9970 Oct 31 13:54	28° \mathbb{X} 04'11	
	9965 Nov 23 12:31	0° \mathbb{M}			9970 Nov 18 02:23	0° \mathbb{Y}	
	9966 Jan 06 04:00	0° \mathbb{X}			9971 Jan 23 02:42	0° \mathcal{B}	
	9966 Feb 23 13:32	0° \mathbb{Z}			9971 Mar 08 13:17	0° \mathbb{I}	
	9966 Apr 28 01:12	0° \approx		asc. node	9971 Mar 22 12:43	10° \mathbb{I} 13'39	
retrograde	9966 May 31 15:43	5° \approx 59'19			9971 Apr 17 17:22	0° \mathbb{G}	
desc. node	9966 Jun 30 03:00	0° \approx 27'49			9971 May 26 13:07	0° \mathcal{O}	
	9966 Jul 01 10:10	30° \mathbb{R} \mathbb{Z}			9971 Jul 04 13:20	0° \mathbb{M}	
opposition	9966 Jul 11 03:43	26° \mathbb{Z} 15'03	-0°22'54		9971 Aug 13 17:56	0° \mathcal{O}	
greatest brilliancy	9966 Jul 11 03:34	26° \mathbb{Z} 15'13	-1.3m		9971 Sep 24 17:19	0° \mathbb{M}	
min. Earth dist.	9966 Jul 11 02:57	26° \mathbb{Z} 15'50	0.68217 AU	evening set	9971 Oct 11 01:37	11° \mathbb{M} 18'46	
direct	9966 Aug 21 05:14	16° \mathbb{Z} 25'45			9971 Nov 07 16:12	0° \mathbb{X}	
	9966 Oct 14 21:26	0° \approx					
	9966 Dec 12 03:17	0° \mathbb{X}		conjunction	9971 Dec 01 05:26	15° \mathbb{X} 34'40	0°40'13
	9967 Jan 29 01:53	0° \mathbb{Y}		minimum elong	9971 Dec 01 06:42	15° \mathbb{X} 36'44	0°40'35
	9967 Mar 13 10:43	0° \mathcal{B}		max. Earth dist.	9971 Dec 17 14:18	26° \mathbb{X} 14'26	2.63702 AU
	9967 Apr 22 22:12	0° \mathbb{I}			9971 Dec 23 09:55	0° \mathbb{Z}	
evening set	9967 May 30 16:41	29° \mathbb{I} 16'25		morning rise	9972 Jan 16 22:01	15° \mathbb{Z} 41'43	
	9967 May 31 14:51	0° \mathbb{G}			9972 Feb 08 12:40	0° \approx	
asc. node	9967 Jun 17 08:57	13° \mathbb{G} 13'41		desc. node	9972 Feb 19 13:33	6° \approx 55'43	
	9967 Jul 08 12:33	0° \mathcal{O}			9972 Mar 27 16:51	0° \mathbb{X}	
					9972 May 16 03:05	0° \mathbb{Y}	
conjunction	9967 Aug 09 15:55	25° \mathcal{O} 22'19	0°36'31		9972 Jul 07 09:32	0° \mathcal{B}	
minimum elong	9967 Aug 09 12:27	25° \mathcal{O} 15'31	0°36'13		9972 Sep 11 15:39	0° \mathbb{I}	
	9967 Aug 15 13:57	0° \mathbb{M}		retrograde	9972 Oct 11 21:53	4° \mathbb{I} 59'02	
	9967 Sep 23 15:36	0° \mathcal{O}			9972 Nov 09 22:09	30° \mathbb{R} \mathcal{B}	
max. Earth dist.	9967 Oct 01 11:40	5° \mathcal{O} 52'38	2.40152 AU	opposition	9972 Nov 13 04:45	28° \mathcal{B} 59'06	-4°56'29
morning rise	9967 Oct 18 04:49	18° \mathcal{O} 13'45		greatest brilliancy	9972 Nov 14 19:23	28° \mathcal{B} 28'39	-2.5m
	9967 Nov 03 11:00	0° \mathbb{M}		min. Earth dist.	9972 Nov 21 11:07	26° \mathcal{B} 23'43	0.42988 AU
	9967 Dec 16 14:12	0° \mathbb{X}		direct	9972 Dec 18 04:52	21° \mathcal{B} 45'59	
	9968 Jan 31 14:57	0° \mathbb{Z}			9973 Jan 23 06:01	0° \mathbb{I}	
	9968 Mar 21 22:00	0° \approx		asc. node	9973 Feb 06 14:56	6° \mathbb{I} 44'47	
desc. node	9968 May 17 00:25	27° \approx 35'11			9973 Mar 17 06:11	0° \mathbb{G}	
	9968 May 23 08:22	0° \mathbb{X}			9973 Apr 29 05:32	0° \mathcal{O}	
retrograde	9968 Jul 04 22:03	8° \mathbb{X} 48'50			9973 Jun 09 18:11	0° \mathbb{M}	
	9968 Aug 12 15:00	30° \mathbb{R} \approx			9973 Jul 21 21:41	0° \mathcal{O}	
opposition	9968 Aug 13 07:39	29° \approx 43'48	-2°54'50		9973 Sep 03 11:24	0° \mathbb{M}	
greatest brilliancy	9968 Aug 13 15:44	29° \approx 35'54	-1.4m		9973 Oct 18 15:38	0° \mathbb{X}	
min. Earth dist.	9968 Aug 17 01:50	28° \approx 15'50	0.65690 AU	evening set	9973 Nov 22 01:49	22° \mathbb{X} 17'00	
direct	9968 Sep 23 21:01	19° \approx 40'31			9973 Dec 04 02:59	0° \mathbb{Z}	
	9968 Nov 08 04:52	0° \mathbb{X}					
	9969 Jan 04 17:36	0° \mathbb{Y}		conjunction	9974 Jan 06 23:24	21° \mathbb{Z} 32'47	-0°00'19
	9969 Feb 19 05:18	0° \mathcal{B}		minimum elong	9974 Jan 06 23:25	21° \mathbb{Z} 32'49	0°00'05
	9969 Apr 01 07:19	0° \mathbb{I}		behind sun begin	9974 Jan 06 05:31	21° \mathbb{Z} 04'25	
asc. node	9969 May 04 09:22	25° \mathbb{I} 28'15		behind sun end	9974 Jan 07 17:20	22° \mathbb{Z} 01'12	

desc. node	9974 Jan 06 08:51	21° ♄ 09'43		retrograde	9979 Apr 14 05:10	17° ♄ 38'36	
max. Earth dist.	9974 Jan 08 23:54	22° ♄ 49'44	2.68041 AU	min. Earth dist.	9979 May 18 19:38	9° ♄ 47'55	0.60771 AU
	9974 Jan 20 07:10	0° ♄		greatest brilliancy	9979 May 23 11:29	7° ♄ 57'24	-1.6m
morning rise	9974 Feb 19 16:17	19° ♄ 16'33		opposition	9979 May 24 02:11	7° ♄ 42'53	3°23'30
	9974 Mar 08 12:59	0° ♄			9979 Jun 18 10:25	30° ♄	
	9974 Apr 24 09:49	0° ♄		direct	9979 Jun 30 22:35	28° ♄ 59'12	
	9974 Jun 09 18:29	0° ♄			9979 Jul 14 04:38	0° ♄	
	9974 Jul 25 19:09	0° ♄		desc. node	9979 Aug 29 13:50	14° ♄ 39'56	
	9974 Sep 10 05:11	0° ♄			9979 Sep 30 12:52	0° ♄	
	9974 Oct 30 06:20	0° ♄			9979 Nov 23 10:25	0° ♄	
asc. node	9974 Dec 25 16:10	20° ♄ 26'03			9980 Jan 11 09:25	0° ♄	
retrograde	9975 Jan 01 00:52	20° ♄ 42'56			9980 Feb 26 02:01	0° ♄	
min. Earth dist.	9975 Jan 28 04:59	16° ♄ 18'29	0.36961 AU	evening set	9980 Mar 12 23:56	10° ♄ 54'21	
opposition	9975 Jan 31 16:07	15° ♄ 21'35	2°47'55	max. Earth dist.	9980 Mar 27 02:10	20° ♄ 45'45	2.48778 AU
greatest brilliancy	9975 Jan 31 05:16	15° ♄ 29'03	-3.0m		9980 Apr 09 01:29	0° ♄	
direct	9975 Mar 01 23:17	10° ♄ 26'31					
	9975 May 03 00:41	0° ♄		conjunction	9980 May 04 01:46	18° ♄ 14'29	-0°59'47
	9975 Jun 24 04:11	0° ♄		minimum elong	9980 May 04 03:29	18° ♄ 17'41	1°00'04
	9975 Aug 11 10:57	0° ♄			9980 May 19 19:38	0° ♄	
	9975 Sep 28 08:44	0° ♄			9980 Jun 27 23:11	0° ♄	
	9975 Nov 15 09:31	0° ♄		morning rise	9980 Jul 03 22:20	4° ♄ 38'49	
desc. node	9975 Nov 24 07:50	5° ♄ 34'50			9980 Aug 05 05:40	0° ♄	
evening set	9975 Dec 28 19:50	27° ♄ 13'27		asc. node	9980 Aug 16 04:49	8° ♄ 37'52	
	9976 Jan 02 05:29	0° ♄			9980 Sep 12 11:09	0° ♄	
max. Earth dist.	9976 Jan 31 03:32	18° ♄ 21'11	2.66847 AU	greatest brilliancy	9980 Sep 19 11:31	5° ♄ 27'09	1.2m
					9980 Oct 21 13:29	0° ♄	
conjunction	9976 Feb 11 03:25	25° ♄ 23'44	-0°39'13		9980 Dec 01 12:48	0° ♄	
minimum elong	9976 Feb 11 02:25	25° ♄ 22'08	0°38'56		9981 Jan 14 18:11	0° ♄	
	9976 Feb 18 07:04	0° ♄			9981 Mar 06 14:12	0° ♄	
morning rise	9976 Mar 26 02:07	24° ♄ 01'00		retrograde	9981 May 18 11:03	23° ♄ 22'56	
	9976 Apr 04 02:41	0° ♄		min. Earth dist.	9981 Jun 26 12:31	14° ♄ 05'50	0.67387 AU
	9976 May 18 10:37	0° ♄		opposition	9981 Jun 28 01:12	13° ♄ 29'18	0°39'05
	9976 Jun 30 06:21	0° ♄		greatest brilliancy	9981 Jun 28 00:31	13° ♄ 29'58	-1.3m
	9976 Aug 10 18:24	0° ♄		desc. node	9981 Jul 16 16:29	6° ♄ 54'14	
	9976 Sep 20 10:37	0° ♄		direct	9981 Aug 07 12:03	3° ♄ 52'58	
	9976 Oct 31 09:34	0° ♄			9981 Oct 28 09:32	0° ♄	
asc. node	9976 Nov 11 15:44	8° ♄ 01'16			9981 Dec 20 20:31	0° ♄	
	9976 Dec 14 06:29	0° ♄			9982 Feb 05 18:37	0° ♄	
	9977 Feb 17 04:45	0° ♄			9982 Mar 20 21:37	0° ♄	
retrograde	9977 Mar 02 22:51	1° ♄ 20'15			9982 Apr 30 09:10	0° ♄	
	9977 Mar 16 06:35	30° ♄		evening set	9982 May 04 09:35	3° ♄ 03'35	
min. Earth dist.	9977 Mar 31 14:49	25° ♄ 36'57	0.48480 AU		9982 Jun 08 03:25	0° ♄	
greatest brilliancy	9977 Apr 07 07:16	23° ♄ 11'57	-2.2m	max. Earth dist.	9982 Jul 01 16:02	18° ♄ 34'11	2.36501 AU
opposition	9977 Apr 08 21:59	22° ♄ 36'39	5°38'35	asc. node	9982 Jul 04 01:50	20° ♄ 28'40	
direct	9977 May 12 14:24	15° ♄ 30'35					
	9977 Jul 06 14:31	0° ♄		conjunction	9982 Jul 09 17:19	24° ♄ 57'09	0°04'09
	9977 Sep 03 07:16	0° ♄		minimum elong	9982 Jul 09 16:55	24° ♄ 56'21	0°03'45
desc. node	9977 Oct 11 10:16	21° ♄ 52'52		behind sun begin	9982 Jul 08 11:13	23° ♄ 57'29	
	9977 Oct 25 04:11	0° ♄		behind sun end	9982 Jul 10 22:38	25° ♄ 55'14	
	9977 Dec 13 15:13	0° ♄			9982 Jul 16 02:05	0° ♄	
	9978 Jan 30 03:32	0° ♄			9982 Aug 23 03:02	0° ♄	
evening set	9978 Feb 01 19:09	1° ♄ 42'45		morning rise	9982 Sep 21 04:33	22° ♄ 27'41	
max. Earth dist.	9978 Feb 23 19:01	16° ♄ 05'25	2.60246 AU		9982 Oct 01 03:01	0° ♄	
	9978 Mar 16 14:35	0° ♄			9982 Nov 10 20:44	0° ♄	
					9982 Dec 24 01:27	0° ♄	
conjunction	9978 Mar 19 15:01	2° ♄ 02'29	-1°05'07		9983 Feb 08 14:54	0° ♄	
minimum elong	9978 Mar 19 14:14	2° ♄ 01'11	1°05'05		9983 Apr 02 04:26	0° ♄	
	9978 Apr 28 23:36	0° ♄		desc. node	9983 Jun 03 16:03	24° ♄ 14'02	
morning rise	9978 May 06 22:11	5° ♄ 38'49		retrograde	9983 Jun 21 18:50	26° ♄ 04'22	
	9978 Jun 09 10:41	0° ♄		opposition	9983 Jul 31 18:23	16° ♄ 41'24	-1°57'44
	9978 Jul 19 08:59	0° ♄		greatest brilliancy	9983 Jul 31 21:16	16° ♄ 38'34	-1.3m
	9978 Aug 27 08:24	0° ♄		min. Earth dist.	9983 Aug 03 00:47	15° ♄ 47'53	0.67463 AU
asc. node	9978 Sep 29 10:52	25° ♄ 35'31		direct	9983 Sep 11 07:41	6° ♄ 40'12	
	9978 Oct 05 04:36	0° ♄			9983 Nov 24 16:02	0° ♄	
	9978 Nov 14 00:28	0° ♄			9984 Jan 15 05:23	0° ♄	
	9978 Dec 26 14:23	0° ♄			9984 Feb 28 13:23	0° ♄	
	9979 Feb 14 16:38	0° ♄			9984 Apr 09 07:12	0° ♄	

	9984 May 18 01:13	0°♄		max. Earth dist.	9988 Dec 31 04:13	12°♄56'44	2.67007 AU
asc. node	9984 May 21 01:33	2°♄22'17		desc. node	9989 Jan 22 23:33	27°♄26'23	
	9984 Jun 24 23:43	0°♌			9989 Jan 27 00:30	0°♈	
greatest brilliancy	9984 Jul 10 03:15	11°♌58'19	1.2m	morning rise	9989 Feb 06 08:39	6°♈32'41	
evening set	9984 Jul 15 08:46	16°♌05'26			9989 Mar 15 12:14	0°♈	
	9984 Aug 02 03:15	0°♍			9989 May 02 02:33	0°♍	
	9984 Sep 10 08:45	0°♎			9989 Jun 18 22:46	0°♎	
					9989 Aug 06 21:13	0°♏	
conjunction	9984 Sep 21 19:04	8°♎30'59	1°04'24		9989 Sep 29 15:21	0°♏	
minimum elong	9984 Sep 21 17:41	8°♎28'25	1°04'25	retrograde	9989 Nov 29 15:11	18°♏18'33	
	9984 Oct 21 08:15	0°♎		opposition	9989 Dec 29 09:54	13°♏23'38	-1°00'24
max. Earth dist.	9984 Nov 05 10:51	10°♎40'59	2.48826 AU	greatest brilliancy	9989 Dec 29 13:49	13°♏21'01	-3.0m
morning rise	9984 Nov 20 10:29	21°♎05'02		min. Earth dist.	9989 Dec 31 21:24	12°♏43'57	0.36936 AU
	9984 Dec 03 12:18	0°♏		asc. node	9990 Jan 11 09:27	10°♏10'04	
	9985 Jan 18 02:29	0°♐		direct	9990 Jan 28 13:19	8°♏14'03	
	9985 Mar 07 12:35	0°♈			9990 Apr 02 17:51	0°♌	
desc. node	9985 Apr 20 11:19	25°♈07'26			9990 May 21 12:28	0°♍	
	9985 Apr 29 15:28	0°♈			9990 Jul 06 01:09	0°♎	
	9985 Jul 19 01:47	0°♍			9990 Aug 20 16:27	0°♎	
retrograde	9985 Jul 29 03:50	0°♍35'10			9990 Oct 06 04:44	0°♏	
	9985 Aug 07 20:10	30°♎♈			9990 Nov 22 11:16	0°♐	
opposition	9985 Sep 05 04:48	22°♎06'34	-4°17'35	desc. node	9990 Dec 10 20:11	11°♐35'48	
greatest brilliancy	9985 Sep 06 01:23	21°♎46'55	-1.6m	evening set	9990 Dec 14 22:01	14°♐10'12	
min. Earth dist.	9985 Sep 11 05:01	19°♎49'05	0.60931 AU		9991 Jan 08 23:13	0°♈	
direct	9985 Oct 16 03:58	12°♎13'38		max. Earth dist.	9991 Jan 22 12:40	8°♈35'52	2.67965 AU
	9985 Dec 15 07:06	0°♍					
	9986 Feb 03 18:46	0°♎		conjunction	9991 Jan 28 12:08	12°♈23'49	-0°25'06
	9986 Mar 18 05:09	0°♏		minimum elong	9991 Jan 28 11:26	12°♈22'42	0°24'45
asc. node	9986 Apr 08 02:49	15°♏43'58			9991 Feb 25 00:54	0°♈	
	9986 Apr 26 15:26	0°♏		morning rise	9991 Mar 12 23:12	10°♈16'44	
	9986 Jun 04 00:38	0°♌			9991 Apr 12 04:04	0°♍	
	9986 Jul 12 15:40	0°♍			9991 May 27 02:47	0°♎	
	9986 Aug 21 11:01	0°♎			9991 Jul 09 19:58	0°♏	
evening set	9986 Sep 20 17:58	21°♎59'15			9991 Aug 21 12:08	0°♏	
	9986 Oct 02 01:14	0°♎			9991 Oct 02 17:47	0°♌	
					9991 Nov 15 09:31	0°♍	
conjunction	9986 Nov 14 12:27	29°♎53'14	0°53'25	asc. node	9991 Nov 29 08:27	8°♍54'45	
minimum elong	9986 Nov 14 13:55	29°♎55'42	0°53'45		9992 Jan 08 05:45	0°♎	
	9986 Nov 14 16:29	0°♏		retrograde	9992 Feb 11 03:51	7°♎30'38	
max. Earth dist.	9986 Dec 07 17:48	15°♏19'30	2.60509 AU	min. Earth dist.	9992 Mar 08 14:49	2°♎42'09	0.43026 AU
	9986 Dec 30 06:17	0°♐		greatest brilliancy	9992 Mar 15 06:02	0°♎31'11	-2.5m
morning rise	9987 Jan 02 12:01	2°♐05'19		opposition	9992 Mar 16 22:13	29°♍57'45	5°42'08
	9987 Feb 15 12:30	0°♈			9992 Mar 16 19:30	30°♎♍	
desc. node	9987 Mar 08 05:15	12°♈50'05		direct	9992 Apr 17 14:07	23°♍47'18	
	9987 Apr 05 09:51	0°♈			9992 May 20 16:46	0°♎	
	9987 May 26 20:32	0°♍			9992 Jul 23 02:23	0°♎	
	9987 Jul 25 08:14	0°♎			9992 Sep 13 03:19	0°♏	
retrograde	9987 Sep 17 03:28	13°♎27'24		desc. node	9992 Oct 27 21:50	26°♏53'50	
opposition	9987 Oct 21 12:35	6°♎34'13	-5°31'34		9992 Nov 02 00:15	0°♐	
greatest brilliancy	9987 Oct 23 06:45	5°♎57'49	-2.2m		9992 Dec 20 16:05	0°♈	
min. Earth dist.	9987 Oct 30 06:51	3°♎34'07	0.48524 AU	evening set	9993 Jan 18 14:39	18°♈14'54	
	9987 Nov 11 18:30	30°♎♍			9993 Feb 05 22:32	0°♈	
direct	9987 Nov 28 02:32	28°♍07'33		max. Earth dist.	9993 Feb 13 17:41	5°♈03'09	2.63459 AU
	9987 Dec 14 20:29	0°♎					
	9988 Feb 16 11:14	0°♏		conjunction	9993 Mar 04 10:32	17°♎18'16	-0°57'32
asc. node	9988 Feb 24 06:42	5°♏04'36		minimum elong	9993 Mar 04 09:27	17°♎16'30	0°57'23
	9988 Mar 30 22:13	0°♏			9993 Mar 23 11:45	0°♍	
	9988 May 10 07:00	0°♌		morning rise	9993 Apr 19 09:04	18°♍18'43	
	9988 Jun 19 09:01	0°♍			9993 May 06 04:17	0°♎	
	9988 Jul 30 11:39	0°♎			9993 Jun 17 01:50	0°♏	
	9988 Sep 11 06:08	0°♎			9993 Jul 27 11:38	0°♏	
	9988 Oct 25 20:09	0°♏			9993 Sep 04 22:16	0°♌	
evening set	9988 Nov 06 12:09	7°♏40'27			9993 Oct 14 06:10	0°♍	
	9988 Dec 10 22:39	0°♐		asc. node	9993 Oct 16 04:32	1°♍27'35	
					9993 Nov 23 19:54	0°♎	
conjunction	9988 Dec 23 21:54	8°♐18'30	0°15'48		9994 Jan 07 08:38	0°♎	
minimum elong	9988 Dec 23 22:25	8°♐19'21	0°16'12		9994 Mar 14 04:40	0°♏	

retrograde	9994 Mar 30 01:28	1° \mathbb{A} 41'22			9999 Apr 18 00:31	0° Π	
	9994 Apr 14 07:19	30° $\mathbb{R}\mathbb{M}$			9999 May 26 17:28	0° \mathfrak{S}	
min. Earth dist.	9994 May 01 12:33	24° \mathbb{M} 35'02	0.56532 AU	asc. node	9999 Jun 07 17:17	9° \mathfrak{S} 27'45	
greatest brilliancy	9994 May 07 04:08	22° \mathbb{M} 23'26	-1.8m	evening set	9999 Jun 16 01:13	16° \mathfrak{S} 03'35	
opposition	9994 May 08 04:19	21° \mathbb{M} 59'57	4°24'53		9999 Jul 03 15:01	0° Ω	
direct	9994 Jun 13 13:54	13° \mathbb{M} 47'29			9999 Aug 10 16:24	0° \mathbb{M}	
	9994 Aug 12 21:01	0° \mathbb{A}					
desc. node	9994 Sep 15 02:14	16° \mathbb{A} 08'56		conjunction	9999 Aug 26 15:01	12° \mathbb{M} 21'52	0°50'40
	9994 Oct 10 17:09	0° \mathfrak{S}		minimum elong	9999 Aug 26 11:33	12° \mathbb{M} 15'11	0°50'29
	9994 Dec 01 06:35	0° \approx			9999 Sep 18 18:32	0° \mathfrak{L}	
	9995 Jan 18 12:18	0° \mathbb{H}		max. Earth dist.	9999 Oct 18 02:24	21° \mathfrak{L} 42'11	2.43254 AU
evening set	9995 Feb 25 10:54	24° \mathbb{H} 52'28			9999 Oct 29 14:20	0° \mathbb{M}	
	9995 Mar 05 01:19	0° \mathbb{Y}		morning rise	9999 Oct 31 14:53	1° \mathbb{M} 26'49	
max. Earth dist.	9995 Mar 13 21:49	6° \mathbb{Y} 01'52	2.53771 AU		9999 Dec 11 16:23	0° \mathbb{A}	
					10000 Jan 26 11:08	0° \mathfrak{S}	
conjunction	9995 Apr 15 06:52	28° \mathbb{Y} 39'50	-1°07'23		10000 Mar 15 20:23	0° \approx	
minimum elong	9995 Apr 15 07:21	28° \mathbb{Y} 40'41	1°07'33	desc. node	10000 May 07 02:49	27° \approx 41'23	
	9995 Apr 17 03:47	0° \mathfrak{B}			10000 May 12 03:52	0° \mathbb{H}	
	9995 May 28 03:45	0° Π		retrograde	10000 Jul 13 08:57	16° \mathbb{H} 49'27	
morning rise	9995 Jun 08 21:06	8° Π 49'01		opposition	10000 Aug 21 08:37	7° \mathbb{H} 55'57	-3°26'36
	9995 Jul 06 13:41	0° \mathfrak{S}		greatest brilliancy	10000 Aug 21 20:36	7° \mathbb{H} 44'19	-1.4m
	9995 Aug 14 01:32	0° Ω		min. Earth dist.	10000 Aug 25 21:55	6° \mathbb{H} 10'02	0.64288 AU
asc. node	9995 Sep 02 23:48	15° Ω 36'23			10000 Sep 13 22:14	30° $\mathbb{R}\approx$	
	9995 Sep 21 10:52	0° \mathbb{M}		direct	10000 Oct 01 19:16	27° \approx 54'17	
	9995 Oct 30 16:48	0° \mathfrak{L}			10000 Oct 20 18:13	0° \mathbb{H}	
	9995 Dec 10 23:41	0° \mathbb{M}			10000 Dec 28 18:43	0° \mathbb{Y}	
	9996 Jan 25 06:36	0° \mathbb{A}			10001 Feb 13 12:30	0° \mathfrak{B}	
	9996 Mar 21 19:52	0° \mathfrak{S}			10001 Mar 26 23:58	0° Π	
retrograde	9996 May 05 03:08	10° \mathfrak{S} 21'06		asc. node	10001 Apr 24 19:35	22° Π 02'13	
min. Earth dist.	9996 Jun 11 15:01	1° \mathfrak{S} 33'59	0.65566 AU		10001 May 05 00:53	0° \mathfrak{S}	
opposition	9996 Jun 14 15:18	0° \mathfrak{S} 21'58	1°42'22		10001 Jun 12 03:52	0° Ω	
greatest brilliancy	9996 Jun 14 11:12	0° \mathfrak{S} 26'03	-1.4m		10001 Jul 20 12:27	0° \mathbb{M}	
	9996 Jun 15 13:24	30° $\mathbb{R}\mathbb{A}$		evening set	10001 Aug 28 05:42	29° \mathbb{M} 25'02	
direct	9996 Jul 24 06:33	21° \mathbb{A} 02'26			10001 Aug 29 00:29	0° \mathfrak{L}	
desc. node	9996 Aug 02 05:04	21° \mathbb{A} 30'12			10001 Oct 09 07:11	0° \mathbb{M}	
	9996 Sep 05 11:23	0° \mathfrak{S}					
	9996 Nov 07 19:58	0° \approx		conjunction	10001 Oct 26 20:47	12° \mathbb{M} 19'46	1°03'02
	9996 Dec 28 20:55	0° \mathbb{H}		minimum elong	10001 Oct 26 21:54	12° \mathbb{M} 21'43	1°03'18
	9997 Feb 13 03:46	0° \mathbb{Y}			10001 Nov 21 16:11	0° \mathbb{A}	
	9997 Mar 28 04:07	0° \mathfrak{B}		max. Earth dist.	10001 Nov 26 21:38	3° \mathbb{A} 31'03	2.56499 AU
evening set	9997 Apr 11 18:56	10° \mathfrak{B} 38'05		morning rise	10001 Dec 18 01:46	17° \mathbb{A} 34'29	
max. Earth dist.	9997 Apr 29 19:40	24° \mathfrak{B} 01'57	2.40486 AU		10002 Jan 06 03:56	0° \mathfrak{S}	
	9997 May 07 17:27	0° Π			10002 Feb 22 16:42	0° \approx	
				desc. node	10002 Mar 24 20:31	18° \approx 19'53	
conjunction	9997 Jun 10 17:55	26° Π 11'45	-0°28'01		10002 Apr 13 15:24	0° \mathbb{H}	
minimum elong	9997 Jun 10 20:16	26° Π 16'21	0°28'24		10002 Jun 07 13:17	0° \mathbb{Y}	
	9997 Jun 15 14:43	0° \mathfrak{S}		retrograde	10002 Aug 26 13:38	25° \mathbb{Y} 20'47	
asc. node	9997 Jul 20 18:19	27° \mathfrak{S} 42'32		opposition	10002 Oct 01 14:51	17° \mathbb{Y} 43'26	-5°19'02
	9997 Jul 23 15:48	0° Ω		greatest brilliancy	10002 Oct 03 02:23	17° \mathbb{Y} 11'00	-1.9m
morning rise	9997 Aug 21 06:52	22° Ω 35'43		min. Earth dist.	10002 Oct 09 14:46	14° \mathbb{Y} 49'12	0.53938 AU
	9997 Aug 30 17:36	0° \mathbb{M}		direct	10002 Nov 09 23:55	8° \mathbb{Y} 28'22	
	9997 Oct 08 17:11	0° \mathfrak{L}			10003 Jan 13 19:47	0° \mathfrak{B}	
	9997 Nov 18 10:46	0° \mathbb{M}			10003 Mar 01 17:55	0° Π	
	9997 Dec 31 19:51	0° \mathbb{A}		asc. node	10003 Mar 12 21:55	7° Π 56'55	
	9998 Feb 17 06:59	0° \mathfrak{S}			10003 Apr 11 16:30	0° \mathfrak{S}	
	9998 Apr 15 10:06	0° \approx			10003 May 20 21:54	0° Ω	
retrograde	9998 Jun 08 05:36	13° \approx 36'02			10003 Jun 29 04:55	0° \mathbb{M}	
desc. node	9998 Jun 20 05:41	12° \approx 40'16			10003 Aug 08 15:22	0° \mathfrak{L}	
opposition	9998 Jul 18 14:29	3° \approx 58'20	-0°58'28		10003 Sep 19 19:48	0° \mathbb{M}	
greatest brilliancy	9998 Jul 18 14:39	3° \approx 58'10	-1.3m	evening set	10003 Oct 21 12:15	21° \mathbb{M} 40'35	
min. Earth dist.	9998 Jul 19 09:01	3° \approx 39'59	0.68239 AU		10003 Nov 02 22:29	0° \mathbb{A}	
	9998 Jul 28 23:04	30° $\mathbb{R}\mathfrak{S}$					
direct	9998 Aug 28 21:58	24° \mathfrak{S} 03'42		conjunction	10003 Dec 10 02:52	24° \mathbb{A} 25'03	0°31'32
	9998 Oct 01 23:16	0° \approx		minimum elong	10003 Dec 10 03:54	24° \mathbb{A} 26'43	0°31'56
	9998 Dec 05 19:30	0° \mathbb{H}			10003 Dec 18 18:04	0° \mathfrak{S}	
	9999 Jan 23 18:32	0° \mathbb{Y}		max. Earth dist.	10003 Dec 23 02:15	2° \mathfrak{S} 47'47	2.65097 AU
	9999 Mar 08 10:58	0° \mathfrak{B}		morning rise	10004 Jan 24 20:27	23° \mathfrak{S} 42'09	

	10004 Feb 03 19:26	0°♊	min. Earth dist.	10009 Apr 12 09:42	7°♎11'38	0.51491 AU
desc. node	10004 Feb 09 14:08	3°♊38'45	greatest brilliancy	10009 Apr 18 19:22	4°♎47'54	-2.1m
	10004 Mar 22 16:11	0°♋	opposition	10009 Apr 20 05:35	4°♎15'45	5°17'47
	10004 May 10 07:16	0°♌		10009 May 02 18:45	30°♎♊	
	10004 Jun 29 11:27	0°♍	direct	10009 May 24 22:11	26°♎43'24	
	10004 Aug 23 19:51	0°♎		10009 Jun 17 22:08	0°♎	
retrograde	10004 Oct 28 09:26	19°♎29'02		10009 Aug 27 00:21	0°♏	
opposition	10004 Nov 28 12:11	13°♎58'52 -4°00'27	desc. node	10009 Oct 01 13:58	19°♏35'39	
greatest brilliancy	10004 Nov 29 17:03	13°♎37'25 -2.7m		10009 Oct 19 15:12	0°♐	
min. Earth dist.	10004 Dec 05 11:38	11°♎55'05 0.40237 AU		10009 Dec 08 17:36	0°♑	
direct	10004 Dec 31 18:37	7°♎33'49		10010 Jan 25 11:44	0°♋	
asc. node	10005 Jan 28 00:10	12°♎29'07	evening set	10010 Feb 10 02:39	10°♋08'01	
	10005 Mar 05 16:31	0°♌	max. Earth dist.	10010 Mar 01 22:09	23°♋13'57	2.58141 AU
	10005 Apr 21 03:34	0°♍		10010 Mar 11 23:43	0°♌	
	10005 Jun 03 01:43	0°♎				
	10005 Jul 16 00:54	0°♏	conjunction	10010 Mar 28 18:50	11°♌27'50	-1°07'36
	10005 Aug 29 04:04	0°♎	minimum elong	10010 Mar 28 18:25	11°♌27'06	1°07'39
	10005 Oct 13 17:22	0°♏		10010 Apr 24 06:38	0°♍	
	10005 Nov 29 10:13	0°♐	morning rise	10010 May 17 22:00	17°♏00'46	
evening set	10005 Nov 30 13:17	0°♐43'06		10010 Jun 04 13:44	0°♎	
desc. node	10005 Dec 27 10:51	17°♐48'22		10010 Jul 14 07:16	0°♌	
				10010 Aug 22 01:58	0°♍	
conjunction	10006 Jan 14 20:37	29°♐28'34 -0°09'42	asc. node	10010 Sep 19 17:23	22°♍16'16	
minimum elong	10006 Jan 14 20:20	29°♐28'08 0°09'19		10010 Sep 29 17:09	0°♎	
behind sun begin	10006 Jan 14 05:08	29°♐04'02		10010 Nov 08 05:57	0°♏	
behind sun end	10006 Jan 15 11:33	29°♐52'14		10010 Dec 20 03:52	0°♎	
max. Earth dist.	10006 Jan 14 00:30	28°♐56'42 2.68242 AU		10011 Feb 05 14:55	0°♏	
	10006 Jan 15 16:27	0°♊	retrograde	10011 Apr 22 08:50	26°♏31'20	
morning rise	10006 Feb 27 08:24	27°♊07'57	min. Earth dist.	10011 May 28 01:54	18°♏19'04	0.62761 AU
	10006 Mar 03 20:07	0°♋	opposition	10011 Jun 01 13:30	16°♏32'18	2°46'34
	10006 Apr 19 09:53	0°♌	greatest brilliancy	10011 Jun 01 03:20	16°♏42'23	-1.5m
	10006 Jun 04 04:43	0°♍	direct	10011 Jul 10 03:23	7°♏34'18	
	10006 Jul 19 05:21	0°♎	desc. node	10011 Aug 19 17:47	15°♏39'43	
	10006 Sep 01 20:31	0°♌		10011 Sep 22 16:45	0°♐	
	10006 Oct 17 10:30	0°♍		10011 Nov 17 20:20	0°♊	
	10006 Dec 10 10:06	0°♎		10012 Jan 06 10:52	0°♋	
asc. node	10006 Dec 16 02:13	2°♎17'13		10012 Feb 21 08:37	0°♌	
retrograde	10007 Jan 17 04:29	8°♎56'39	evening set	10012 Mar 23 01:51	21°♌14'25	
min. Earth dist.	10007 Feb 12 04:14	4°♎39'24 0.38471 AU		10012 Apr 04 08:56	0°♍	
greatest brilliancy	10007 Feb 17 04:26	3°♎11'57 -2.9m	max. Earth dist.	10012 Apr 05 23:44	1°♏09'44	2.45864 AU
opposition	10007 Feb 18 05:50	2°♎53'24 4°24'08		10012 May 15 01:49	0°♎	
	10007 Feb 28 23:49	30°♎♊				
direct	10007 Mar 19 22:57	27°♎39'02	conjunction	10012 May 16 12:28	1°♎05'25 -0°51'20	
	10007 Apr 08 08:30	0°♎	minimum elong	10012 May 16 14:49	1°♎09'52 0°51'41	
	10007 Jun 15 00:41	0°♏		10012 Jun 23 03:14	0°♌	
	10007 Aug 04 21:52	0°♎	morning rise	10012 Jul 20 10:47	21°♌25'47	
	10007 Sep 22 11:37	0°♏		10012 Jul 31 07:35	0°♍	
	10007 Nov 10 21:23	0°♐	asc. node	10012 Aug 06 13:40	4°♍56'06	
desc. node	10007 Nov 14 10:39	2°♐27'42		10012 Sep 07 11:01	0°♎	
	10007 Dec 28 13:36	0°♊		10012 Oct 16 11:05	0°♏	
evening set	10008 Jan 05 17:16	5°♊08'19		10012 Nov 26 06:27	0°♎	
max. Earth dist.	10008 Feb 05 07:35	24°♊36'35 2.65855 AU		10013 Jan 09 00:38	0°♏	
	10008 Feb 13 16:35	0°♋		10013 Feb 27 02:35	0°♐	
				10013 May 12 03:21	0°♊	
conjunction	10008 Feb 19 02:17	3°♋29'37 -0°46'41	retrograde	10013 May 26 00:05	1°♊08'40	
minimum elong	10008 Feb 19 01:11	3°♋27'52 0°46'27		10013 Jun 08 05:01	30°♋♐	
	10008 Mar 30 09:47	0°♌	opposition	10013 Jul 05 14:07	21°♐19'37	0°02'32
morning rise	10008 Apr 03 13:37	2°♌47'01	min. Earth dist.	10013 Jul 04 20:55	21°♐36'43	0.67980 AU
	10008 May 13 11:54	0°♍	greatest brilliancy	10013 Jul 05 14:11	21°♐19'33	-1.3m
	10008 Jun 24 23:02	0°♎	desc. node	10013 Jul 06 19:14	20°♐50'42	
	10008 Aug 05 00:31	0°♌	direct	10013 Aug 15 10:22	11°♐35'43	
	10008 Sep 14 04:06	0°♍		10013 Oct 20 04:08	0°♊	
	10008 Oct 24 08:23	0°♎		10013 Dec 15 03:36	0°♋	
asc. node	10008 Nov 01 22:52	6°♎18'33		10014 Jan 31 16:50	0°♌	
	10008 Dec 05 11:00	0°♏		10014 Mar 16 00:41	0°♍	
	10009 Jan 24 12:16	0°♎		10014 Apr 25 13:16	0°♎	
retrograde	10009 Mar 13 07:59	13°♎26'12	evening set	10014 May 18 16:39	17°♎47'46	

	10014 Jun 03 07:17	0°☿			10019 Feb 10 16:48	0°♊
asc. node	10014 Jun 24 10:38	16°☿41'17		desc. node	10019 Feb 26 06:35	9°♊44'16
	10014 Jul 11 05:36	0°♊			10019 Mar 31 02:58	0°♋
					10019 May 20 06:38	0°♌
conjunction	10014 Jul 27 01:04	12°♊31'28 0°23'14			10019 Jul 13 17:49	0°♍
minimum elong	10014 Jul 26 22:35	12°♊26'32 0°22'52		retrograde	10019 Oct 01 02:39	25°♍37'23
	10014 Aug 18 06:18	0°♎		opposition	10019 Nov 03 08:32	19°♍12'55 -5°19'06
max. Earth dist.	10014 Sep 12 05:38	19°♎20'04 2.37884 AU		greatest brilliancy	10019 Nov 05 02:33	18°♍38'17 -2.4m
	10014 Sep 26 06:10	0°♏		min. Earth dist.	10019 Nov 12 01:40	16°♍21'42 0.45427 AU
morning rise	10014 Oct 06 22:12	8°♏00'13		direct	10019 Dec 09 15:23	11°♍23'55
	10014 Nov 05 23:24	0°♐			10020 Feb 05 02:23	0°♑
	10014 Dec 19 01:08	0°♑		asc. node	10020 Feb 14 16:11	5°♑29'40
	10015 Feb 03 04:34	0°♒			10020 Mar 23 02:51	0°♓
	10015 Mar 26 03:50	0°♈			10020 May 03 16:19	0°♊
desc. node	10015 May 24 17:21	27°♈14'14			10020 Jun 13 10:41	0°♋
	10015 Jun 02 23:52	0°♌			10020 Jul 25 00:42	0°♍
retrograde	10015 Jun 29 18:14	3°♌49'03			10020 Sep 06 04:02	0°♎
	10015 Jul 24 08:37	30°♌			10020 Oct 21 00:19	0°♏
opposition	10015 Aug 08 10:44	24°♌35'23 -2°31'26		evening set	10020 Nov 15 12:02	16°♏37'08
greatest brilliancy	10015 Aug 08 16:14	24°♌30'00 -1.3m			10020 Dec 06 06:47	0°♐
min. Earth dist.	10015 Aug 11 12:38	23°♌23'01 0.66617 AU				
direct	10015 Sep 19 01:06	14°♌32'27		conjunction	10020 Dec 31 23:57	16°♐24'57 0°06'24
	10015 Nov 15 15:43	0°♋		minimum elong	10021 Jan 01 00:10	16°♐25'18 0°06'49
	10016 Jan 09 04:43	0°♌		behind sun begin	10020 Dec 31 06:59	15°♐57'58
	10016 Feb 23 05:16	0°♍		behind sun end	10021 Jan 01 17:22	16°♐52'37
	10016 Apr 04 04:33	0°♎		max. Earth dist.	10021 Jan 05 07:06	19°♐08'56 2.67684 AU
asc. node	10016 May 11 10:05	28°♎44'25		desc. node	10021 Jan 13 01:07	24°♐04'21
	10016 May 13 00:38	0°♏			10021 Jan 22 09:24	0°♑
	10016 Jun 20 00:21	0°♊		morning rise	10021 Feb 13 23:23	14°♑18'37
	10016 Jul 28 05:03	0°♋			10021 Mar 10 17:31	0°♌
evening set	10016 Aug 01 00:38	2°♋57'38			10021 Apr 26 21:43	0°♍
	10016 Sep 05 12:00	0°♌			10021 Jun 12 20:33	0°♎
					10021 Jul 29 22:40	0°♏
conjunction	10016 Oct 05 09:50	22°♌00'23 1°06'34			10021 Sep 16 13:03	0°♐
minimum elong	10016 Oct 05 09:40	22°♌00'05 1°06'41			10021 Nov 14 08:57	0°♊
	10016 Oct 16 13:07	0°♋		retrograde	10021 Dec 18 07:06	6°♊51'08
max. Earth dist.	10016 Nov 14 00:22	19°♋57'00 2.51743 AU		asc. node	10022 Jan 01 17:18	5°♊29'29
	10016 Nov 28 17:35	0°♌		min. Earth dist.	10022 Jan 16 07:15	2°♊04'41 0.36484 AU
morning rise	10016 Dec 01 00:24	1°♌32'37		opposition	10022 Jan 17 03:42	1°♊51'07 1°12'43
	10017 Jan 13 05:17	0°♍		greatest brilliancy	10022 Jan 17 01:41	1°♊52'27 -3.1m
	10017 Mar 02 04:43	0°♎			10022 Jan 24 07:24	30°♋☿
desc. node	10017 Apr 10 12:47	23°♎08'53		direct	10022 Feb 15 12:12	26°☿58'56
	10017 Apr 22 18:55	0°♋			10022 Mar 09 03:39	0°♊
	10017 Jun 24 10:45	0°♌			10022 May 11 13:49	0°♋
retrograde	10017 Aug 07 20:00	9°♌26'42			10022 Jun 28 21:42	0°♍
opposition	10017 Sep 14 05:57	1°♌14'06 -4°43'38			10022 Aug 14 19:27	0°♎
greatest brilliancy	10017 Sep 15 07:53	0°♌49'39 -1.7m			10022 Oct 01 00:14	0°♏
	10017 Sep 17 12:24	30°♌			10022 Nov 17 16:05	0°♐
min. Earth dist.	10017 Sep 21 00:26	28°♌41'18 0.58696 AU		desc. node	10022 Nov 30 23:25	8°♐21'27
direct	10017 Oct 24 19:00	21°♌30'31		evening set	10022 Dec 22 21:23	22°♐08'31
	10017 Dec 02 18:40	0°♌			10023 Jan 04 08:21	0°♈
	10018 Jan 27 18:47	0°♍		max. Earth dist.	10023 Jan 27 13:19	14°♈43'04 2.67455 AU
	10018 Mar 12 06:30	0°♎				
asc. node	10018 Mar 29 13:09	12°♎48'48		conjunction	10023 Feb 05 06:27	20°♈16'33 -0°33'33
	10018 Apr 21 02:18	0°☿		minimum elong	10023 Feb 05 05:33	20°♈15'07 0°33'15
	10018 May 29 16:51	0°♊			10023 Feb 20 10:14	0°♋
	10018 Jul 07 11:55	0°♋		morning rise	10023 Mar 20 22:12	18°♋29'39
	10018 Aug 16 10:58	0°♌			10023 Apr 07 09:50	0°♌
	10018 Sep 27 04:51	0°♍			10023 May 22 00:44	0°♍
evening set	10018 Oct 02 13:55	3°♍45'51			10023 Jul 04 06:05	0°♎
	10018 Nov 09 22:49	0°♏			10023 Aug 15 05:43	0°☿
					10023 Sep 25 12:01	0°♊
conjunction	10018 Nov 24 05:13	9°♏30'15 0°46'03			10023 Nov 06 07:22	0°♋
minimum elong	10018 Nov 24 06:37	9°♏32'34 0°46'26		asc. node	10023 Nov 19 17:21	9°♋14'23
max. Earth dist.	10018 Dec 13 14:25	22°♏14'06 2.62376 AU			10023 Dec 22 10:13	0°♌
	10018 Dec 25 13:39	0°♐		retrograde	10024 Feb 23 08:32	22°♌00'14
morning rise	10019 Jan 10 20:02	10°♐27'08		min. Earth dist.	10024 Mar 21 23:20	16°♌42'06 0.46004 AU

greatest brilliancy	10024 Mar 28 17:36	14° Ω 20'33	-2.4m	max. Earth dist.	10029 May 22 06:42	14° Π 47'29	2.37863 AU
opposition	10024 Mar 30 10:28	13° Ω 44'31	5°47'32		10029 Jun 10 19:21	0° Θ	
direct	10024 May 02 05:24	7° Ω 02'14					
	10024 Jul 13 16:54	0° \mathbb{M}		conjunction	10029 Jun 26 14:26	12° Θ 25'48	-0°10'32
	10024 Sep 06 20:16	0° \mathcal{A}		minimum elong	10029 Jun 26 15:33	12° Θ 28'00	0°10'56
desc. node	10024 Oct 18 01:30	24° \mathcal{A} 11'02		behind sun begin	10029 Jun 25 17:31	11° Θ 44'32	
	10024 Oct 27 18:31	0° \mathcal{B}		behind sun end	10029 Jun 27 13:34	13° Θ 11'28	
	10024 Dec 15 21:11	0° \approx		asc. node	10029 Jul 11 03:09	23° Θ 55'34	
evening set	10025 Jan 26 15:39	26° \approx 21'31			10029 Jul 18 19:11	0° Ω	
	10025 Feb 01 07:30	0° \mathcal{H}			10029 Aug 25 20:02	0° \mathbb{P}	
max. Earth dist.	10025 Feb 19 09:57	11° \mathcal{H} 46'08	2.61788 AU	morning rise	10029 Sep 08 00:01	10° \mathbb{P} 15'16	
					10029 Oct 03 18:44	0° Ω	
conjunction	10025 Mar 12 22:47	26° \mathcal{H} 02'01	-1°02'25		10029 Nov 13 10:55	0° \mathbb{M}	
minimum elong	10025 Mar 12 21:51	26° \mathcal{H} 00'28	1°02'21		10029 Dec 26 15:16	0° \mathcal{A}	
	10025 Mar 18 20:32	0° Υ			10030 Feb 11 10:18	0° \mathcal{B}	
morning rise	10025 Apr 29 01:25	28° Υ 20'45			10030 Apr 06 06:53	0° \approx	
	10025 May 01 09:51	0° \mathcal{B}		desc. node	10030 Jun 10 08:17	21° \approx 02'41	
	10025 Jun 12 02:29	0° Π		retrograde	10030 Jun 15 22:18	21° \approx 13'59	
	10025 Jul 22 06:19	0° Θ		opposition	10030 Jul 26 02:51	11° \approx 43'57	-1°33'28
	10025 Aug 30 10:46	0° Ω		greatest brilliancy	10030 Jul 26 04:12	11° \approx 42'36	-1.3m
asc. node	10025 Oct 06 13:06	28° Ω 31'50		min. Earth dist.	10030 Jul 27 16:54	11° \approx 06'24	0.67937 AU
	10025 Oct 08 11:16	0° \mathbb{P}		direct	10030 Sep 05 14:43	1° \approx 45'19	
	10025 Nov 17 12:27	0° Ω			10030 Nov 28 19:45	0° \mathcal{H}	
	10025 Dec 30 15:46	0° \mathbb{M}			10031 Jan 18 05:47	0° Υ	
	10026 Feb 21 16:50	0° \mathcal{A}			10031 Mar 03 08:22	0° \mathcal{B}	
retrograde	10026 Apr 07 20:14	11° \mathcal{A} 29'04			10031 Apr 13 01:32	0° Π	
min. Earth dist.	10026 May 11 12:22	3° \mathcal{A} 57'53	0.58973 AU		10031 May 21 19:39	0° Θ	
opposition	10026 May 17 10:47	1° \mathcal{A} 38'12	3°50'05	asc. node	10031 May 29 02:37	5° Θ 44'26	
greatest brilliancy	10026 May 16 16:06	1° \mathcal{A} 56'31	-1.7m		10031 Jun 28 17:50	0° Ω	
	10026 May 21 16:39	30° \mathbb{M}		evening set	10031 Jul 03 00:24	3° Ω 23'10	
direct	10026 Jun 23 16:56	23° \mathbb{M} 07'40			10031 Aug 05 19:54	0° \mathbb{P}	
	10026 Jul 30 10:34	0° \mathcal{A}					
desc. node	10026 Sep 05 05:01	15° \mathcal{A} 15'22		conjunction	10031 Sep 11 09:18	28° \mathbb{P} 04'18	1°00'10
	10026 Oct 04 04:22	0° \mathcal{B}		minimum elong	10031 Sep 11 06:53	27° \mathbb{P} 59'44	1°00'07
	10026 Nov 26 00:38	0° \approx			10031 Sep 13 22:45	0° Ω	
	10027 Jan 13 16:57	0° \mathcal{H}			10031 Oct 24 19:12	0° \mathbb{M}	
	10027 Feb 28 09:19	0° Υ		max. Earth dist.	10031 Oct 30 00:02	3° \mathbb{M} 42'43	2.46361 AU
evening set	10027 Mar 06 16:02	4° Υ 16'10		morning rise	10031 Nov 12 18:32	13° \mathbb{M} 25'26	
max. Earth dist.	10027 Mar 21 15:31	14° Υ 35'32	2.51080 AU		10031 Dec 06 20:36	0° \mathcal{A}	
	10027 Apr 12 11:17	0° \mathcal{B}			10032 Jan 21 10:47	0° \mathcal{B}	
					10032 Mar 10 03:33	0° \approx	
conjunction	10027 Apr 26 03:13	9° \mathcal{B} 51'45	-1°04'06	desc. node	10032 Apr 27 04:21	26° \approx 46'18	
minimum elong	10027 Apr 26 04:23	9° \mathcal{B} 53'52	1°04'20		10032 May 03 13:01	0° \mathcal{H}	
	10027 May 23 09:01	0° Π		retrograde	10032 Jul 22 04:38	25° \mathcal{H} 04'10	
morning rise	10027 Jun 22 23:28	23° Π 17'09		opposition	10032 Aug 29 16:37	16° \mathcal{H} 23'39	-3°56'51
	10027 Jul 01 15:55	0° Θ		greatest brilliancy	10032 Aug 30 09:11	16° \mathcal{H} 07'42	-1.5m
	10027 Aug 09 00:59	0° Ω		min. Earth dist.	10032 Sep 04 01:21	14° \mathcal{H} 20'00	0.62549 AU
asc. node	10027 Aug 24 06:46	11° Ω 58'25		direct	10032 Oct 09 22:01	6° \mathcal{H} 25'53	
	10027 Sep 16 07:50	0° \mathbb{P}			10032 Dec 20 18:59	0° Υ	
	10027 Oct 25 10:37	0° Ω			10033 Feb 07 10:35	0° \mathcal{B}	
	10027 Dec 05 11:16	0° \mathbb{M}			10033 Mar 21 11:21	0° Π	
	10028 Jan 18 23:05	0° \mathcal{A}		asc. node	10033 Apr 15 03:21	18° Π 41'48	
	10028 Mar 11 07:27	0° \mathcal{B}			10033 Apr 29 17:40	0° Θ	
retrograde	10028 May 12 18:44	18° \mathcal{B} 22'25			10033 Jun 06 23:58	0° Ω	
min. Earth dist.	10028 Jun 20 04:03	9° \mathcal{B} 18'35	0.66694 AU		10033 Jul 15 11:31	0° \mathbb{P}	
opposition	10028 Jun 22 09:03	8° \mathcal{B} 25'47	1°05'11		10033 Aug 24 02:27	0° Ω	
greatest brilliancy	10028 Jun 22 07:14	8° \mathcal{B} 27'36	-1.4m	evening set	10033 Sep 10 22:48	13° Ω 06'34	
	10028 Jul 19 12:56	30° \mathbb{R} \mathcal{A}			10033 Oct 04 12:00	0° \mathbb{M}	
desc. node	10028 Jul 23 07:43	29° \mathcal{A} 28'04					
direct	10028 Aug 01 12:25	28° \mathcal{A} 56'33		conjunction	10033 Nov 06 17:19	23° \mathbb{M} 03'41	0°58'02
	10028 Aug 15 04:21	0° \mathcal{B}		minimum elong	10033 Nov 06 18:44	23° \mathbb{M} 06'05	0°58'21
	10028 Nov 01 03:44	0° \approx			10033 Nov 16 22:58	0° \mathcal{A}	
	10028 Dec 23 13:25	0° \mathcal{H}		max. Earth dist.	10033 Dec 03 08:51	10° \mathcal{A} 58'24	2.58816 AU
	10029 Feb 08 06:26	0° Υ		morning rise	10033 Dec 27 00:14	26° \mathcal{A} 29'06	
	10029 Mar 23 09:46	0° \mathcal{B}			10034 Jan 01 10:30	0° \mathcal{B}	
evening set	10029 Apr 24 02:44	23° \mathcal{B} 19'07			10034 Feb 17 18:04	0° \approx	
	10029 May 02 23:14	0° Π		desc. node	10034 Mar 14 22:01	15° \approx 29'50	

	10034 Apr 08 00:13	0°♄			10039 Jun 03 00:08	0°♄	
	10034 May 30 14:55	0°♅			10039 Jul 28 16:33	0°♄	
	10034 Aug 05 00:51	0°♆			10039 Sep 17 04:23	0°♄	
retrograde	10034 Sep 07 06:58	5°♆45'08		desc. node	10039 Nov 04 13:15	29°♄27'27	
	10034 Oct 08 05:04	30°♆♅			10039 Nov 05 10:27	0°♄	
opposition	10034 Oct 12 11:35	28°♅30'59 -5°29'46			10039 Dec 23 20:12	0°♄	
greatest brilliancy	10034 Oct 14 03:36	27°♅55'28 -2.0m		evening set	10040 Jan 13 15:22	13°♄06'13	
min. Earth dist.	10034 Oct 21 00:36	25°♅30'14 0.51002 AU			10040 Feb 09 01:41	0°♄	
direct	10034 Nov 19 23:31	19°♅39'41		max. Earth dist.	10040 Feb 10 16:15	1°♄02'14 2.64638 AU	
	10034 Dec 31 21:54	0°♆					
	10035 Feb 22 01:50	0°♄		conjunction	10040 Feb 27 04:44	11°♄46'28 -0°53'22	
asc. node	10035 Mar 03 07:10	6°♄17'15		minimum elong	10040 Feb 27 03:37	11°♄44'39 0°53'12	
	10035 Apr 05 05:03	0°♄			10040 Mar 25 17:38	0°♅	
	10035 May 14 23:35	0°♄		morning rise	10040 Apr 12 09:04	11°♅54'45	
	10035 Jun 23 15:33	0°♄			10040 May 08 15:11	0°♆	
	10035 Aug 03 09:12	0°♄			10040 Jun 19 19:28	0°♄	
	10035 Sep 14 19:56	0°♄			10040 Jul 30 12:22	0°♄	
	10035 Oct 29 03:30	0°♄			10040 Sep 08 06:04	0°♄	
evening set	10035 Oct 31 09:33	1°♄29'37			10040 Oct 17 21:23	0°♄	
	10035 Dec 14 01:59	0°♄		asc. node	10040 Oct 23 06:37	4°♄01'47	
					10040 Nov 27 22:21	0°♄	
conjunction	10035 Dec 18 16:17	2°♄57'23 0°22'26			10041 Jan 12 21:48	0°♄	
minimum elong	10035 Dec 18 17:02	2°♄58'35 0°22'51		retrograde	10041 Mar 23 01:04	24°♄36'12	
max. Earth dist.	10035 Dec 28 08:59	9°♄10'25 2.66267 AU		min. Earth dist.	10041 Apr 23 11:16	17°♄52'32 0.54358 AU	
desc. node	10036 Jan 30 16:01	0°♄20'50		opposition	10041 Apr 30 17:06	15°♄06'07 4°49'20	
	10036 Jan 30 02:51	0°♄		greatest brilliancy	10041 Apr 29 12:21	15°♄33'40 -1.9m	
morning rise	10036 Feb 01 14:52	1°♄34'54		direct	10041 Jun 05 09:18	7°♄10'28	
	10036 Mar 17 17:59	0°♄			10041 Aug 18 13:45	0°♄	
	10036 May 04 18:09	0°♅		desc. node	10041 Sep 21 17:31	17°♄42'09	
	10036 Jun 22 11:16	0°♆			10041 Oct 13 18:51	0°♄	
	10036 Aug 12 10:30	0°♄			10041 Dec 03 16:41	0°♄	
	10036 Oct 14 20:41	0°♄			10042 Jan 20 18:08	0°♄	
retrograde	10036 Nov 15 00:37	5°♄30'59		evening set	10042 Feb 18 17:33	18°♄53'15	
opposition	10036 Dec 15 06:43	0°♄25'09 -2°30'52			10042 Mar 07 08:00	0°♅	
greatest brilliancy	10036 Dec 15 21:09	0°♄15'06 -2.9m		max. Earth dist.	10042 Mar 08 14:55	0°♅52'18 2.55820 AU	
	10036 Dec 16 18:48	30°♄♄					
min. Earth dist.	10036 Dec 20 03:00	29°♄04'31 0.38074 AU		conjunction	10042 Apr 07 11:35	21°♅27'27 -1°08'17	
direct	10037 Jan 15 16:28	24°♄46'16		minimum elong	10042 Apr 07 11:38	21°♅27'33 1°08'24	
asc. node	10037 Jan 18 10:42	24°♄49'30			10042 Apr 19 13:35	0°♆	
	10037 Feb 13 01:42	0°♄		morning rise	10042 May 29 20:51	29°♆20'58	
	10037 Apr 11 08:43	0°♄			10042 May 30 17:49	0°♄	
	10037 May 26 16:24	0°♄			10042 Jul 09 07:43	0°♄	
	10037 Jul 09 19:50	0°♄			10042 Aug 16 22:44	0°♄	
	10037 Aug 23 16:06	0°♄		asc. node	10042 Sep 10 02:00	18°♄50'59	
	10037 Oct 08 16:23	0°♄			10042 Sep 24 10:15	0°♄	
	10037 Nov 24 16:03	0°♄			10042 Nov 02 17:47	0°♄	
evening set	10037 Dec 08 20:03	8°♄58'40			10042 Dec 14 04:23	0°♄	
desc. node	10037 Dec 17 12:23	14°♄28'15			10043 Jan 29 01:43	0°♄	
	10038 Jan 11 01:09	0°♄			10043 Mar 31 21:02	0°♄	
max. Earth dist.	10038 Jan 19 00:59	5°♄03'57 2.68204 AU		retrograde	10043 Apr 30 06:53	5°♄01'22	
					10043 May 27 17:02	30°♄♄	
conjunction	10038 Jan 22 16:14	7°♄22'22 -0°18'50		min. Earth dist.	10043 Jun 06 00:29	26°♄29'29 0.64429 AU	
minimum elong	10038 Jan 22 15:42	7°♄21'30 0°18'29		opposition	10043 Jun 09 17:00	25°♄01'29 2°09'11	
	10038 Feb 27 03:53	0°♄		greatest brilliancy	10043 Jun 09 10:36	25°♄07'51 -1.5m	
morning rise	10038 Mar 07 01:58	5°♄05'09		direct	10043 Jul 18 22:13	15°♄50'55	
	10038 Apr 14 12:04	0°♅		desc. node	10043 Aug 09 20:57	18°♄28'46	
	10038 May 29 19:36	0°♆			10043 Sep 13 06:00	0°♄	
	10038 Jul 13 02:04	0°♄			10043 Nov 11 22:45	0°♄	
	10038 Aug 25 12:13	0°♄			10044 Jan 01 09:21	0°♄	
	10038 Oct 07 20:57	0°♄			10044 Feb 16 13:39	0°♅	
	10038 Nov 22 22:33	0°♄			10044 Mar 30 15:11	0°♆	
asc. node	10038 Dec 06 10:29	7°♄45'18		evening set	10044 Apr 02 22:16	2°♆22'22	
retrograde	10039 Jan 31 21:11	26°♄04'08		max. Earth dist.	10044 Apr 18 00:37	13°♆22'45 2.42856 AU	
min. Earth dist.	10039 Feb 26 18:15	21°♄34'31 0.40788 AU			10044 May 10 07:13	0°♄	
greatest brilliancy	10039 Mar 04 22:19	19°♄39'11 -2.7m					
opposition	10039 Mar 06 10:23	19°♄10'48 5°22'10		conjunction	10044 May 30 05:53	15°♄13'25 -0°39'22	
direct	10039 Apr 06 04:02	13°♄26'44		minimum elong	10044 May 30 08:31	15°♄18'28 0°39'45	

	10044 Jun 18 06:57	0°☾	retrograde	10049 Aug 18 02:45	18°♄44'48	
	10044 Jul 26 09:40	0°♈	opposition	10049 Sep 23 20:13	10°♄50'35	-5°05'39
asc. node	10044 Jul 27 20:31	1°♈08'50	greatest brilliancy	10049 Sep 25 03:37	10°♄21'28	-1.8m
morning rise	10044 Aug 07 03:47	9°♈17'10	min. Earth dist.	10049 Oct 01 08:12	8°♄04'24	0.56173 AU
	10044 Sep 02 11:59	0°♍	direct	10049 Nov 02 19:49	1°♄20'49	
	10044 Oct 11 10:52	0°♊		10050 Jan 19 17:48	0°♉	
	10044 Nov 21 03:39	0°♋		10050 Mar 05 21:35	0°♊	
	10045 Jan 03 14:08	0°♌	asc. node	10050 Mar 19 22:54	10°♊12'21	
	10045 Feb 20 12:05	0°♍		10050 Apr 15 07:25	0°☾	
	10045 Apr 21 22:35	0°♎		10050 May 24 05:20	0°♈	
retrograde	10045 Jun 02 12:51	8°♎46'26		10050 Jul 02 05:58	0°♍	
desc. node	10045 Jun 26 22:02	4°♎56'40		10050 Aug 11 09:52	0°♊	
	10045 Jul 10 15:35	30°♋♊		10050 Sep 22 07:56	0°♋	
opposition	10045 Jul 13 01:01	29°♊03'09 -0°33'25	evening set	10050 Oct 13 14:16	14°♋42'04	
greatest brilliancy	10045 Jul 13 00:49	29°♊03'21 -1.3m		10050 Nov 05 05:16	0°♌	
min. Earth dist.	10045 Jul 13 03:13	29°♊00'58 0.68252 AU				
direct	10045 Aug 23 04:42	19°♊12'55	conjunction	10050 Dec 03 10:33	18°♌39'27	0°37'48
	10045 Oct 09 23:11	0°♎	minimum elong	10050 Dec 03 11:46	18°♌41'26	0°38'13
	10045 Dec 09 03:22	0°♋	max. Earth dist.	10050 Dec 19 06:12	28°♌56'35	2.63978 AU
	10046 Jan 26 12:45	0°♄		10050 Dec 20 21:28	0°♊	
	10046 Mar 11 02:39	0°♉	morning rise	10051 Jan 18 22:20	18°♊36'00	
	10046 Apr 20 16:51	0°♊		10051 Feb 05 22:36	0°♎	
	10046 May 29 10:43	0°☾	desc. node	10051 Feb 16 06:56	6°♎30'27	
evening set	10046 Jun 03 05:37	3°☾46'07		10051 Mar 26 00:16	0°♋	
asc. node	10046 Jun 14 18:19	12°☾52'32		10051 May 14 05:00	0°♄	
	10046 Jul 06 08:33	0°♈		10051 Jul 04 20:01	0°♉	
				10051 Sep 04 12:21	0°♊	
conjunction	10046 Aug 13 12:37	0°♍06'44 0°40'20	retrograde	10051 Oct 16 10:51	8°♊58'13	
minimum elong	10046 Aug 13 09:01	29°♈59'42 0°40'03	opposition	10051 Nov 17 11:11	3°♊04'04 -4°45'06	
	10046 Aug 13 09:11	0°♍	greatest brilliancy	10051 Nov 19 00:08	2°♊35'10	-2.6m
	10046 Sep 21 09:20	0°♊	min. Earth dist.	10051 Nov 25 12:19	0°♊33'56	0.42425 AU
max. Earth dist.	10046 Oct 06 01:17	10°♊58'30 2.40743 AU		10051 Nov 27 10:05	30°♋♉	
morning rise	10046 Oct 21 09:33	22°♊15'15	direct	10051 Dec 22 04:05	25°♉59'33	
	10046 Nov 01 02:38	0°♋		10052 Jan 15 14:07	0°♊	
	10046 Dec 14 02:56	0°♌	asc. node	10052 Feb 05 01:20	8°♊14'42	
	10047 Jan 28 23:04	0°♍		10052 Mar 13 17:28	0°☾	
	10047 Mar 19 19:42	0°♎		10052 Apr 26 08:30	0°♈	
desc. node	10047 May 14 19:58	28°♎18'21		10052 Jun 07 02:34	0°♍	
	10047 May 18 22:56	0°♋		10052 Jul 19 08:10	0°♊	
retrograde	10047 Jul 07 23:00	11°♋39'49		10052 Aug 31 22:32	0°♋	
opposition	10047 Aug 16 07:08	2°♋36'40 -3°03'56		10052 Oct 16 02:46	0°♌	
greatest brilliancy	10047 Aug 16 15:59	2°♋28'03 -1.4m	evening set	10052 Nov 24 04:43	25°♌16'24	
min. Earth dist.	10047 Aug 20 04:25	1°♋05'51 0.65466 AU		10052 Dec 01 13:59	0°♊	
	10047 Aug 23 01:07	30°♋♎	desc. node	10053 Jan 03 02:59	20°♊43'06	
direct	10047 Sep 26 20:46	22°♎33'48				
	10047 Nov 03 11:55	0°♋	conjunction	10053 Jan 08 23:11	24°♊25'33	-0°03'07
	10048 Jan 02 17:26	0°♄	minimum elong	10053 Jan 08 23:07	24°♊25'26	0°02'43
	10048 Feb 17 17:08	0°♉	behind sun begin	10053 Jan 08 04:45	23°♊56'20	
	10048 Mar 30 00:11	0°♊	behind sun end	10053 Jan 09 17:28	24°♊54'32	
asc. node	10048 May 01 20:08	25°♊12'23	max. Earth dist.	10053 Jan 10 09:05	25°♊19'20	2.68098 AU
	10048 May 07 23:18	0°☾		10053 Jan 17 18:02	0°♎	
	10048 Jun 15 00:36	0°♈	morning rise	10053 Feb 21 14:49	22°♎07'50	
	10048 Jul 23 06:46	0°♍		10053 Mar 05 23:36	0°♋	
evening set	10048 Aug 16 19:38	18°♍50'16		10053 Apr 21 19:36	0°♄	
	10048 Aug 31 15:19	0°♊		10053 Jun 07 02:08	0°♉	
	10048 Oct 11 18:02	0°♋		10053 Jul 22 22:12	0°♊	
				10053 Sep 06 21:53	0°☾	
conjunction	10048 Oct 17 23:11	4°♋24'26 1°05'28		10053 Oct 25 12:48	0°♈	
minimum elong	10048 Oct 17 23:54	4°♋25'42 1°05'41	asc. node	10053 Dec 23 03:26	24°♈28'27	
max. Earth dist.	10048 Nov 21 17:32	28°♋28'31 2.54461 AU	retrograde	10054 Jan 04 15:05	25°♈32'42	
	10048 Nov 23 23:32	0°♌	min. Earth dist.	10054 Jan 31 11:37	21°♈12'00	0.37161 AU
morning rise	10048 Dec 10 23:03	11°♌23'07	opposition	10054 Feb 04 12:41	20°♈04'52	3°13'52
	10049 Jan 08 09:38	0°♍	greatest brilliancy	10054 Feb 03 22:45	20°♈14'32	-3.0m
	10049 Feb 25 01:08	0°♎	direct	10054 Mar 05 19:35	15°♈07'30	
desc. node	10049 Mar 31 13:58	20°♎45'30		10054 Apr 27 16:21	0°♍	
	10049 Apr 16 13:09	0°♋		10054 Jun 20 19:09	0°♊	
	10049 Jun 12 16:50	0°♄		10054 Aug 08 13:12	0°♋	

	10054 Sep 25 15:25	0°♂			10059 Aug 04 01:55	0°♂	
	10054 Nov 12 18:32	0°♂		asc. node	10059 Aug 14 15:14	8°♂18'52	
desc. node	10054 Nov 21 02:18	5°♂11'37		greatest brilliancy	10059 Sep 03 00:02	23°♂32'13	1.2m
evening set	10054 Dec 30 19:34	0°≈05'22			10059 Sep 11 06:24	0°♂	
	10054 Dec 30 16:09	0°≈			10059 Oct 20 06:36	0°♂	
max. Earth dist.	10055 Feb 01 15:08	20°≈54'35	2.66668 AU		10059 Nov 30 02:14	0°♂	
					10060 Jan 13 00:38	0°♂	
conjunction	10055 Feb 13 03:17	28°≈17'18	-0°41'29		10060 Mar 03 00:27	0°♂	
minimum elong	10055 Feb 13 02:15	28°≈15'39	0°41'13	retrograde	10060 May 20 08:27	26°♂14'03	
	10055 Feb 15 19:04	0°♂		opposition	10060 Jun 29 23:48	16°♂21'05	0°28'17
morning rise	10055 Mar 29 04:08	27°♂01'37		min. Earth dist.	10060 Jun 28 14:28	16°♂54'14	0.67540 AU
	10055 Apr 02 15:39	0°♂		greatest brilliancy	10060 Jun 29 23:24	16°♂21'29	-1.3m
	10055 May 16 23:58	0°♂		desc. node	10060 Jul 13 10:56	11°♂19'44	
	10055 Jun 28 19:31	0°♂		direct	10060 Aug 09 13:49	6°♂43'12	
	10055 Aug 09 06:41	0°♂			10060 Oct 24 16:36	0°≈	
	10055 Sep 18 20:50	0°♂			10060 Dec 18 00:58	0°♂	
	10055 Oct 29 14:45	0°♂			10061 Feb 03 06:49	0°♂	
asc. node	10055 Nov 10 01:07	8°♂13'06			10061 Mar 18 14:07	0°♂	
	10055 Dec 11 20:27	0°♂			10061 Apr 28 04:18	0°♂	
	10056 Feb 06 19:51	0°♂		evening set	10061 May 07 11:22	7°♂05'07	
retrograde	10056 Mar 05 09:33	5°♂03'10			10061 Jun 05 23:58	0°♂	
	10056 Apr 01 04:08	30°♂♂		asc. node	10061 Jul 01 12:08	20°♂07'36	
min. Earth dist.	10056 Apr 03 09:15	29°♂13'43	0.49053 AU				
greatest brilliancy	10056 Apr 10 00:21	26°♂48'40	-2.2m	conjunction	10061 Jul 13 10:35	29°♂35'21	0°08'42
opposition	10056 Apr 11 14:22	26°♂13'49	5°35'13	minimum elong	10061 Jul 13 09:39	29°♂33'30	0°08'17
direct	10056 May 15 10:33	19°♂02'45		behind sun begin	10061 Jul 12 07:04	28°♂40'49	
	10056 Jul 01 04:11	0°♂		behind sun end	10061 Jul 14 12:14	0°♂26'10	
	10056 Aug 31 00:38	0°♂			10061 Jul 13 23:02	0°♂	
desc. node	10056 Oct 08 04:57	21°♂41'57		max. Earth dist.	10061 Jul 20 07:34	5°♂02'16	2.36471 AU
	10056 Oct 22 08:20	0°♂			10061 Aug 20 23:21	0°♂	
	10056 Dec 11 00:13	0°≈		morning rise	10061 Sep 24 18:30	26°♂51'55	
	10057 Jan 27 15:43	0°♂			10061 Sep 28 21:45	0°♂	
evening set	10057 Feb 03 19:29	4°♂37'19			10061 Nov 08 12:52	0°♂	
max. Earth dist.	10057 Feb 25 06:50	18°♂41'10	2.59865 AU		10061 Dec 21 13:44	0°♂	
	10057 Mar 14 05:12	0°♂			10062 Feb 05 20:35	0°♂	
					10062 Mar 29 16:18	0°≈	
conjunction	10057 Mar 21 18:54	5°♂07'30	-1°06'01	desc. node	10062 May 31 09:50	25°≈55'20	
minimum elong	10057 Mar 21 18:13	5°♂06'21	1°06'01	retrograde	10062 Jun 23 17:59	28°≈53'50	
	10057 Apr 26 15:56	0°♂		opposition	10062 Aug 02 16:50	19°≈32'16	-2°07'41
morning rise	10057 May 09 10:13	9°♂05'09		greatest brilliancy	10062 Aug 02 20:12	19°≈28'58	-1.3m
	10057 Jun 07 04:02	0°♂		min. Earth dist.	10062 Aug 05 02:36	18°≈35'32	0.67343 AU
	10057 Jul 17 02:36	0°♂		direct	10062 Sep 13 07:26	9°≈30'42	
	10057 Aug 25 01:31	0°♂			10062 Nov 20 21:12	0°♂	
asc. node	10057 Sep 26 19:19	25°♂21'05			10063 Jan 12 11:17	0°♂	
	10057 Oct 02 20:14	0°♂			10063 Feb 26 03:17	0°♂	
	10057 Nov 11 12:44	0°♂			10063 Apr 08 00:54	0°♂	
	10057 Dec 23 18:53	0°♂			10063 May 16 20:39	0°♂	
	10058 Feb 10 16:54	0°♂		asc. node	10063 May 19 10:52	2°♂02'13	
retrograde	10058 Apr 16 05:40	20°♂43'28			10063 Jun 23 19:35	0°♂	
min. Earth dist.	10058 May 21 01:55	12°♂48'59	0.61189 AU	greatest brilliancy	10063 Jun 25 14:59	1°♂25'56	1.2m
opposition	10058 May 26 05:32	10°♂46'55	3°13'34	evening set	10063 Jul 20 01:49	20°♂43'18	
greatest brilliancy	10058 May 25 15:57	11°♂00'20	-1.6m		10063 Jul 31 22:35	0°♂	
direct	10058 Jul 03 06:46	2°♂00'20			10063 Sep 09 02:47	0°♂	
desc. node	10058 Aug 26 08:56	15°♂20'08					
	10058 Sep 26 23:06	0°♂		conjunction	10063 Sep 25 23:32	12°♂32'51	1°05'16
	10058 Nov 20 13:55	0°≈		minimum elong	10063 Sep 25 22:28	12°♂30'53	1°05'21
	10059 Jan 08 19:46	0°♂			10063 Oct 20 00:25	0°♂	
	10059 Feb 23 16:34	0°♂		max. Earth dist.	10063 Nov 08 14:37	13°♂50'46	2.49400 AU
evening set	10059 Mar 16 07:09	14°♂07'33		morning rise	10063 Nov 24 00:08	24°♂29'41	
max. Earth dist.	10059 Mar 30 08:12	23°♂58'52	2.48253 AU		10063 Dec 02 02:00	0°♂	
	10059 Apr 07 18:55	0°♂			10064 Jan 16 12:50	0°♂	
					10064 Mar 04 17:11	0°≈	
conjunction	10059 May 07 18:46	21°♂53'41	-0°58'02	desc. node	10064 Apr 17 05:35	25°≈08'36	
minimum elong	10059 May 07 20:38	21°♂57'10	0°58'19		10064 Apr 26 04:53	0°♂	
	10059 May 18 15:00	0°♂			10064 Jul 05 08:57	0°♂	
	10059 Jun 26 19:28	0°♂		retrograde	10064 Jul 31 10:11	3°♂36'27	
morning rise	10059 Jul 08 10:06	9°♂03'18			10064 Aug 24 10:52	30°♂♂	

opposition	10064 Sep 07 09:05	25° H 10'25	-4°24'45	desc. node	10069 Dec 07 15:19	11° Z 11'35	
greatest brilliancy	10064 Sep 08 06:43	24° H 49'50	-1.6m	evening set	10069 Dec 16 21:37	17° Z 02'08	
min. Earth dist.	10064 Sep 13 13:00	22° H 49'59	0.60548 AU		10070 Jan 06 10:16	0° \approx	
direct	10064 Oct 18 07:12	15° H 19'12		max. Earth dist.	10070 Jan 24 01:03	11° \approx 09'56	2.67900 AU
	10064 Dec 10 22:50	0° Y					
	10065 Jan 31 22:47	0° B		conjunction	10070 Jan 30 10:09	15° \approx 13'23	-0°27'37
	10065 Mar 15 18:28	0° II		minimum elong	10070 Jan 30 09:23	15° \approx 12'10	0°27'16
asc. node	10065 Apr 05 13:24	15° II 34'25			10070 Feb 22 12:49	0° H	
	10065 Apr 24 08:21	0° E		morning rise	10070 Mar 14 21:42	13° H 09'02	
	10065 Jun 01 18:43	0° O			10070 Apr 09 16:34	0° Y	
	10065 Jul 10 09:30	0° M			10070 May 24 15:13	0° B	
	10065 Aug 19 03:42	0° L			10070 Jul 07 07:21	0° II	
evening set	10065 Sep 23 13:31	25° L 40'09			10070 Aug 18 20:56	0° E	
	10065 Sep 29 16:20	0° M			10070 Sep 29 21:08	0° O	
	10065 Nov 12 05:50	0° J			10070 Nov 11 22:49	0° M	
				asc. node	10070 Nov 26 18:47	9° M 42'38	
conjunction	10065 Nov 16 21:33	3° J 07'34	0°51'29		10071 Jan 01 11:43	0° L	
minimum elong	10065 Nov 16 23:01	3° J 10'01	0°51'51	retrograde	10071 Feb 14 02:09	11° L 48'03	
max. Earth dist.	10065 Dec 09 11:32	18° J 06'01	2.60888 AU	min. Earth dist.	10071 Mar 12 18:54	6° L 53'34	0.43574 AU
	10065 Dec 27 17:49	0° Z		greatest brilliancy	10071 Mar 19 10:21	4° L 40'28	-2.5m
morning rise	10066 Jan 04 14:26	5° Z 04'02		opposition	10071 Mar 21 03:13	4° L 05'57	5°46'50
	10066 Feb 12 21:43	0° \approx			10071 Apr 03 22:41	30° R M	
desc. node	10066 Mar 04 23:18	12° \approx 28'52		direct	10071 Apr 22 00:26	27° M 49'12	
	10066 Apr 02 14:51	0° H			10071 May 10 20:00	0° L	
	10066 May 23 15:02	0° Y			10071 Jul 20 09:35	0° M	
	10066 Jul 20 05:25	0° B			10071 Sep 11 03:19	0° J	
retrograde	10066 Sep 20 05:23	17° B 03'56		desc. node	10071 Oct 25 16:56	26° J 37'48	
opposition	10066 Oct 24 09:05	10° B 16'12	-5°29'06		10071 Oct 31 06:25	0° Z	
greatest brilliancy	10066 Oct 26 03:34	9° B 39'52	-2.2m		10071 Dec 19 01:39	0° \approx	
min. Earth dist.	10066 Nov 02 04:06	7° B 16'50	0.47940 AU	evening set	10072 Jan 21 14:20	21° \approx 07'42	
direct	10066 Nov 30 18:49	1° B 56'03			10072 Feb 04 10:32	0° H	
	10067 Feb 12 20:56	0° II		max. Earth dist.	10072 Feb 16 04:17	7° H 36'16	2.63169 AU
asc. node	10067 Feb 21 17:14	5° II 36'01					
	10067 Mar 29 03:09	0° E		conjunction	10072 Mar 06 11:39	20° H 16'35	-0°59'03
	10067 May 08 18:05	0° O		minimum elong	10072 Mar 06 10:36	20° H 14'51	0°58'57
	10067 Jun 17 22:19	0° M			10072 Mar 21 01:42	0° Y	
	10067 Jul 29 01:21	0° L		morning rise	10072 Apr 21 14:52	21° Y 30'09	
	10067 Sep 09 19:21	0° M			10072 May 03 19:43	0° B	
	10067 Oct 24 08:33	0° J			10072 Jun 14 18:15	0° II	
evening set	10067 Nov 09 17:31	10° J 45'37			10072 Jul 25 04:26	0° E	
	10067 Dec 09 10:18	0° Z			10072 Sep 02 14:34	0° O	
					10072 Oct 11 20:28	0° M	
conjunction	10067 Dec 26 22:29	11° Z 12'50	0°13'04	asc. node	10072 Oct 13 15:24	1° M 21'21	
minimum elong	10067 Dec 26 22:55	11° Z 13'32	0°13'31		10072 Nov 21 05:04	0° L	
behind sun begin	10067 Dec 26 12:48	10° Z 57'23			10073 Jan 04 03:14	0° M	
behind sun end	10067 Dec 27 09:03	11° Z 29'41			10073 Mar 04 02:50	0° J	
max. Earth dist.	10068 Jan 02 13:11	15° Z 25'56	2.67151 AU	retrograde	10073 Apr 01 05:14	4° J 58'01	
desc. node	10068 Jan 20 17:20	26° Z 58'56			10073 Apr 27 21:52	30° R M	
	10068 Jan 25 11:32	0° \approx		min. Earth dist.	10073 May 03 21:48	27° M 47'39	0.56999 AU
morning rise	10068 Feb 09 06:45	9° \approx 22'15		opposition	10073 May 10 11:20	25° M 14'37	4°16'16
	10068 Mar 12 22:19	0° H		greatest brilliancy	10073 May 09 12:21	25° M 36'58	-1.8m
	10068 Apr 29 10:28	0° Y		direct	10073 Jun 16 02:03	16° M 58'41	
	10068 Jun 16 01:43	0° B			10073 Aug 07 23:08	0° J	
	10068 Aug 03 12:17	0° II		desc. node	10073 Sep 11 20:21	16° J 20'11	
	10068 Sep 24 13:00	0° E			10073 Oct 07 12:44	0° Z	
retrograde	10068 Dec 03 20:09	23° E 11'26			10073 Nov 28 12:22	0° \approx	
opposition	10069 Jan 02 11:44	18° E 17'24	-0°29'26		10074 Jan 15 23:16	0° H	
greatest brilliancy	10069 Jan 02 13:26	18° E 16'16	-3.1m	evening set	10074 Feb 27 15:23	27° H 58'03	
min. Earth dist.	10069 Jan 04 09:03	17° E 47'19	0.36756 AU		10074 Mar 02 15:43	0° Y	
asc. node	10069 Jan 08 18:29	16° E 38'39		max. Earth dist.	10074 Mar 15 18:03	8° Y 55'22	2.53280 AU
direct	10069 Feb 01 10:34	13° E 13'02			10074 Apr 14 20:33	0° B	
	10069 Mar 28 12:26	0° O					
	10069 May 18 03:14	0° M		conjunction	10074 Apr 17 18:03	2° B 04'10	-1°06'49
	10069 Jul 03 03:37	0° L		minimum elong	10074 Apr 17 18:43	2° B 05'21	1°07'01
	10069 Aug 17 23:32	0° M			10074 May 25 22:04	0° II	
	10069 Oct 03 13:49	0° J		morning rise	10074 Jun 11 22:21	12° II 48'49	
	10069 Nov 19 21:26	0° Z			10074 Jul 04 08:47	0° E	

	10074 Aug 11 20:39	0°♏		min. Earth dist.	10079 Aug 29 02:47	9°♎02'16	0.63975 AU
asc. node	10074 Aug 31 09:05	15°♏17'46		direct	10079 Oct 04 20:03	0°♎50'45	
	10074 Sep 19 05:08	0°♎			10079 Dec 26 11:31	0°♎	
	10074 Oct 28 09:00	0°♎			10080 Feb 11 21:34	0°♎	
	10074 Dec 08 11:36	0°♎			10080 Mar 24 15:04	0°♎	
	10075 Jan 22 08:31	0°♎		asc. node	10080 Apr 22 04:09	21°♎45'18	
	10075 Mar 17 22:41	0°♎			10080 May 02 18:43	0°♎	
retrograde	10075 May 08 00:57	13°♎14'40			10080 Jun 09 22:45	0°♏	
min. Earth dist.	10075 Jun 14 17:28	4°♎24'40	0.65800 AU		10080 Jul 18 07:15	0°♎	
opposition	10075 Jun 17 14:29	3°♎16'02	1°31'42		10080 Aug 26 18:23	0°♎	
greatest brilliancy	10075 Jun 17 11:00	3°♎19'29	-1.4m	evening set	10080 Aug 31 10:54	3°♎29'04	
	10075 Jun 26 02:03	30°♎♎			10080 Oct 06 23:31	0°♎	
direct	10075 Jul 27 09:06	23°♎54'32					
desc. node	10075 Jul 30 23:37	23°♎59'11		conjunction	10080 Oct 29 11:22	15°♎46'15	1°01'53
	10075 Aug 31 02:18	0°♎		minimum elong	10080 Oct 29 12:36	15°♎48'24	1°02'10
	10075 Nov 05 14:32	0°♎			10080 Nov 19 06:34	0°♎	
	10075 Dec 27 04:15	0°♎		max. Earth dist.	10080 Nov 28 14:30	6°♎16'44	2.56960 AU
	10076 Feb 11 17:09	0°♎		morning rise	10080 Dec 20 06:20	20°♎37'34	
	10076 Mar 25 21:11	0°♎			10081 Jan 03 15:57	0°♎	
evening set	10076 Apr 14 12:02	14°♎16'55			10081 Feb 20 01:28	0°♎	
max. Earth dist.	10076 May 03 08:04	28°♎20'24	2.39955 AU	desc. node	10081 Mar 21 15:12	18°♎03'37	
	10076 May 05 12:48	0°♎			10081 Apr 10 17:45	0°♎	
	10076 Jun 13 11:11	0°♎			10081 Jun 03 19:32	0°♎	
				retrograde	10081 Aug 29 02:56	28°♎34'47	
conjunction	10076 Jun 14 02:51	0°♎30'38	-0°24'06	opposition	10081 Oct 04 01:36	21°♎01'36	-5°22'03
minimum elong	10076 Jun 14 05:00	0°♎34'50	0°24'30	greatest brilliancy	10081 Oct 05 14:17	20°♎28'20	-1.9m
asc. node	10076 Jul 18 04:45	27°♎22'25		min. Earth dist.	10081 Oct 12 05:30	18°♎04'51	0.53394 AU
	10076 Jul 21 12:22	0°♏		direct	10081 Nov 12 08:02	11°♎50'26	
morning rise	10076 Aug 25 03:58	27°♎20'33			10082 Jan 09 18:27	0°♎	
	10076 Aug 28 13:23	0°♎			10082 Feb 26 21:58	0°♎	
	10076 Oct 06 11:17	0°♎		asc. node	10082 Mar 10 07:48	8°♎02'08	
	10076 Nov 16 02:11	0°♎			10082 Apr 09 04:14	0°♎	
	10076 Dec 29 06:54	0°♎			10082 May 18 12:20	0°♏	
	10077 Feb 14 09:00	0°♎			10082 Jun 26 20:00	0°♎	
	10077 Apr 11 00:01	0°♎			10082 Aug 06 06:06	0°♎	
retrograde	10077 Jun 10 03:34	16°♎24'24			10082 Sep 17 09:40	0°♎	
desc. node	10077 Jun 17 00:51	16°♎06'17		evening set	10082 Oct 23 22:51	24°♎58'08	
opposition	10077 Jul 20 12:33	6°♎48'00	-1°08'51		10082 Oct 31 11:22	0°♎	
greatest brilliancy	10077 Jul 20 12:53	6°♎47'40	-1.3m				
min. Earth dist.	10077 Jul 21 10:32	6°♎26'16	0.68207 AU	conjunction	10082 Dec 12 06:07	27°♎25'10	0°28'58
	10077 Aug 08 16:17	30°♎♎		minimum elong	10082 Dec 12 07:04	27°♎26'43	0°29'24
direct	10077 Aug 30 22:00	26°♎52'39			10082 Dec 16 05:56	0°♎	
	10077 Sep 23 21:15	0°♎		max. Earth dist.	10082 Dec 24 15:10	5°♎23'56	2.65354 AU
	10077 Dec 02 14:13	0°♎		morning rise	10083 Jan 26 19:19	26°♎33'00	
	10078 Jan 21 03:28	0°♎			10083 Feb 01 06:12	0°♎	
	10078 Mar 06 02:05	0°♎		desc. node	10083 Feb 06 08:50	3°♎13'41	
	10078 Apr 15 19:04	0°♎			10083 Mar 21 01:07	0°♎	
	10078 May 24 13:50	0°♎			10083 May 08 12:18	0°♎	
asc. node	10078 Jun 05 03:46	9°♎07'40			10083 Jun 27 06:50	0°♎	
evening set	10078 Jun 19 16:42	20°♎38'24			10083 Aug 20 04:57	0°♎	
	10078 Jul 01 11:53	0°♏		retrograde	10083 Nov 02 00:07	23°♎42'36	
	10078 Aug 08 12:44	0°♎		opposition	10083 Dec 03 00:11	18°♎17'16	-3°42'04
				greatest brilliancy	10083 Dec 04 02:02	17°♎58'16	-2.8m
conjunction	10078 Aug 30 03:51	16°♎45'31	0°53'21	min. Earth dist.	10083 Dec 09 15:37	16°♎20'55	0.39783 AU
minimum elong	10078 Aug 30 00:34	16°♎39'13	0°53'11	direct	10084 Jan 04 20:55	12°♎01'03	
	10078 Sep 16 13:25	0°♎		asc. node	10084 Jan 26 11:54	15°♎10'37	
max. Earth dist.	10078 Oct 21 03:57	25°♎34'53	2.43837 AU		10084 Feb 29 23:43	0°♎	
	10078 Oct 27 07:02	0°♎			10084 Apr 17 23:02	0°♏	
morning rise	10078 Nov 03 11:18	5°♎07'51			10084 May 31 06:39	0°♎	
	10078 Dec 09 06:14	0°♎			10084 Jul 13 09:22	0°♎	
	10079 Jan 23 20:52	0°♎			10084 Aug 26 13:50	0°♎	
	10079 Mar 13 22:00	0°♎			10084 Oct 11 03:35	0°♎	
desc. node	10079 May 04 21:39	28°♎03'18			10084 Nov 26 20:44	0°♎	
	10079 May 08 23:40	0°♎		evening set	10084 Dec 02 15:39	3°♎41'01	
retrograde	10079 Jul 16 11:35	19°♎42'56		desc. node	10084 Dec 24 04:42	17°♎21'38	
opposition	10079 Aug 24 09:35	10°♎51'38	-3°35'11		10085 Jan 13 03:19	0°♎	
greatest brilliancy	10079 Aug 24 22:32	10°♎39'07	-1.4m	max. Earth dist.	10085 Jan 15 10:11	1°♎26'59	2.68271 AU

conjunction	10085 Jan 16 20:00	2°≈20'34	-0°12'26	min. Earth dist.	10090 May 30 06:46	21°♂16'20	0.63098 AU
minimum elong	10085 Jan 16 19:38	2°≈20'00	0°12'02	opposition	10090 Jun 03 15:13	19°♂32'48	2°36'11
behind sun begin	10085 Jan 16 07:21	2°≈00'32		greatest brilliancy	10090 Jun 03 06:02	19°♂41'55	-1.5m
behind sun end	10085 Jan 17 07:55	2°≈39'28		direct	10090 Jul 12 09:00	10°♂32'09	
morning rise	10085 Mar 01 06:49	29°≈59'15		desc. node	10090 Aug 16 12:21	16°♂48'14	
	10085 Mar 01 07:17	0°♂			10090 Sep 18 14:46	0°♂	
	10085 Apr 16 20:45	0°♀			10090 Nov 14 20:33	0°≈	
	10085 Jun 01 14:16	0°♂			10091 Jan 03 19:28	0°♂	
	10085 Jul 16 11:53	0°♂			10091 Feb 18 21:46	0°♀	
	10085 Aug 29 20:58	0°♂		evening set	10091 Mar 26 14:19	24°♀41'19	
	10085 Oct 13 20:14	0°♂			10091 Apr 03 01:06	0°♂	
	10085 Dec 03 17:12	0°♂		max. Earth dist.	10091 Apr 09 13:14	4°♂40'58	2.45284 AU
asc. node	10085 Dec 13 12:10	4°♂31'48			10091 May 13 19:58	0°♂	
retrograde	10086 Jan 20 15:09	13°♂38'02					
min. Earth dist.	10086 Feb 15 10:26	9°♂19'45	0.38864 AU	conjunction	10091 May 20 13:32	5°♂05'20	-0°48'41
opposition	10086 Feb 21 21:25	7°♂25'48	4°41'59	minimum elong	10091 May 20 15:59	5°♂09'59	0°49'02
greatest brilliancy	10086 Feb 20 17:24	7°♂46'31	-2.8m		10091 Jun 21 22:33	0°♂	
direct	10086 Mar 23 18:50	2°♂06'20		morning rise	10091 Jul 25 07:10	26°♂11'02	
	10086 Jun 11 00:59	0°♂			10091 Jul 30 03:16	0°♂	
	10086 Aug 01 19:38	0°♂		asc. node	10091 Aug 04 22:28	4°♂34'43	
	10086 Sep 20 02:13	0°♂			10091 Sep 06 06:12	0°♂	
	10086 Nov 07 19:12	0°♂			10091 Oct 15 04:46	0°♂	
desc. node	10086 Nov 11 04:39	2°♂05'59			10091 Nov 24 21:11	0°♂	
	10086 Dec 25 23:35	0°≈			10092 Jan 07 09:47	0°♂	
evening set	10087 Jan 07 17:24	8°≈01'31			10092 Feb 24 21:39	0°♂	
max. Earth dist.	10087 Feb 06 20:40	27°≈13'06	2.65652 AU		10092 May 01 05:54	0°≈	
	10087 Feb 11 04:25	0°♂		retrograde	10092 May 27 20:57	3°≈56'46	
					10092 Jun 21 13:53	30°♂♂	
conjunction	10087 Feb 21 02:36	6°♂25'01	-0°48'45	desc. node	10092 Jul 03 13:56	25°♂41'20	
minimum elong	10087 Feb 21 01:29	6°♂23'13	0°48'31	opposition	10092 Jul 07 11:38	24°♂08'43	-0°08'08
	10087 Mar 28 23:08	0°♀		greatest brilliancy	10092 Jul 07 11:35	24°♂08'46	-1.3m
morning rise	10087 Apr 06 16:26	5°♀50'20		min. Earth dist.	10092 Jul 06 21:55	24°♂22'20	0.68059 AU
	10087 May 12 02:14	0°♂		direct	10092 Aug 17 10:18	14°♂23'28	
	10087 Jun 23 13:41	0°♂			10092 Oct 15 21:32	0°≈	
	10087 Aug 03 14:44	0°♂			10092 Dec 12 05:36	0°♂	
	10087 Sep 12 16:47	0°♂			10093 Jan 29 04:11	0°♀	
	10087 Oct 22 17:25	0°♂			10093 Mar 13 16:43	0°♂	
asc. node	10087 Oct 31 08:34	6°♂22'06			10093 Apr 23 07:54	0°♂	
	10087 Dec 03 10:33	0°♂		evening set	10093 May 22 02:04	22°♂08'21	
	10088 Jan 20 18:45	0°♂			10093 Jun 01 03:09	0°♂	
retrograde	10088 Mar 15 16:03	17°♂00'14		asc. node	10093 Jun 21 19:13	16°♂18'33	
min. Earth dist.	10088 Apr 15 00:25	10°♂40'34	0.52046 AU		10093 Jul 09 01:38	0°♂	
greatest brilliancy	10088 Apr 21 09:29	8°♂16'48	-2.0m				
opposition	10088 Apr 22 18:41	7°♂45'32	5°11'49	conjunction	10093 Jul 30 23:53	17°♂21'47	0°27'40
direct	10088 May 27 16:12	0°♂08'39		minimum elong	10093 Jul 30 20:59	17°♂16'03	0°27'18
	10088 Aug 23 08:46	0°♂			10093 Aug 16 01:38	0°♂	
desc. node	10088 Sep 28 08:24	19°♂31'40		max. Earth dist.	10093 Sep 18 06:22	25°♂38'50	2.38396 AU
	10088 Oct 16 16:06	0°♂			10093 Sep 24 00:05	0°♂	
	10088 Dec 06 00:45	0°≈		morning rise	10093 Oct 10 08:26	12°♂15'01	
	10089 Jan 22 22:38	0°♂			10093 Nov 03 15:09	0°♂	
evening set	10089 Feb 12 05:16	13°♂09'01			10093 Dec 16 13:49	0°♂	
max. Earth dist.	10089 Mar 03 14:33	25°♂59'50	2.57729 AU		10094 Jan 31 12:04	0°♂	
	10089 Mar 09 13:26	0°♀			10094 Mar 22 22:49	0°≈	
				desc. node	10094 May 21 12:33	28°≈16'27	
conjunction	10089 Mar 31 01:40	14°♀41'16	-1°08'01		10094 May 26 12:44	0°♂	
minimum elong	10089 Mar 31 01:22	14°♀40'43	1°08'07	retrograde	10094 Jul 01 17:43	6°♂38'26	
	10089 Apr 21 22:34	0°♂			10094 Aug 03 17:13	30°♂≈	
morning rise	10089 May 20 14:16	20°♂38'28		opposition	10094 Aug 10 09:37	27°≈26'28	-2°40'51
	10089 Jun 02 07:14	0°♂		greatest brilliancy	10094 Aug 10 15:47	27°≈20'26	-1.3m
	10089 Jul 12 01:37	0°♂		min. Earth dist.	10094 Aug 13 15:08	26°≈10'45	0.66441 AU
	10089 Aug 19 20:19	0°♂		direct	10094 Sep 21 01:08	17°≈23'30	
asc. node	10089 Sep 17 04:03	22°♂02'47			10094 Nov 11 02:09	0°♂	
	10089 Sep 27 10:21	0°♂			10095 Jan 06 07:48	0°♀	
	10089 Nov 05 20:20	0°♂			10095 Feb 20 18:29	0°♂	
	10089 Dec 17 12:03	0°♂			10095 Apr 02 22:15	0°♂	
	10090 Feb 02 05:24	0°♂		asc. node	10095 May 09 20:36	28°♂26'33	
retrograde	10090 Apr 24 08:34	29°♂32'06			10095 May 11 20:20	0°♂	

	10095 Jun 18 20:28	0°♂		morning rise	10100 Feb 16 22:08	17°♊09'27	
	10095 Jul 27 00:28	0°♍			10100 Mar 09 04:04	0°♋	
evening set	10095 Aug 05 15:26	7°♍27'32			10100 Apr 25 06:56	0°♌	
	10095 Sep 04 05:55	0°♊			10100 Jun 11 02:45	0°♍	
					10100 Jul 27 22:13	0°♎	
conjunction	10095 Oct 09 10:34	25°♊51'46	1°06'32		10100 Sep 13 19:37	0°♏	
minimum elong	10095 Oct 09 10:40	25°♊51'57	1°06'43		10100 Nov 07 13:41	0°♐	
	10095 Oct 15 05:02	0°♌		retrograde	10100 Dec 23 01:21	11°♐43'02	
max. Earth dist.	10095 Nov 17 00:39	22°♌59'15	2.52284 AU	asc. node	10100 Dec 31 04:20	11°♐16'35	
	10095 Nov 27 07:12	0°♌		min. Earth dist.	10101 Jan 20 14:57	7°♐03'39	0.36514 AU
morning rise	10095 Dec 04 11:55	4°♌51'41		opposition	10101 Jan 22 02:57	6°♐39'34	1°42'45
	10096 Jan 11 16:05	0°♍		greatest brilliancy	10101 Jan 21 23:07	6°♐42'08	-3.1m
	10096 Feb 28 11:05	0°♋		direct	10101 Feb 20 10:14	1°♐48'03	
desc. node	10096 Apr 07 07:01	23°♋01'34			10101 May 08 11:56	0°♍	
	10096 Apr 19 14:42	0°♋			10101 Jun 26 18:52	0°♎	
	10096 Jun 18 23:06	0°♌			10101 Aug 13 00:02	0°♌	
retrograde	10096 Aug 10 04:23	12°♌31'46			10101 Sep 29 07:57	0°♍	
opposition	10096 Sep 16 12:37	4°♌22'22	-4°49'31		10101 Nov 16 01:29	0°♍	
greatest brilliancy	10096 Sep 17 15:43	3°♌56'56	-1.7m	desc. node	10101 Nov 28 18:08	7°♍57'48	
min. Earth dist.	10096 Sep 23 11:11	1°♌46'29	0.58248 AU	evening set	10101 Dec 25 21:14	25°♍00'52	
	10096 Sep 28 10:38	30°♋			10102 Jan 02 19:02	0°♋	
direct	10096 Oct 27 00:19	24°♋41'17					
	10096 Nov 26 01:45	0°♌					
	10097 Jan 24 16:51	0°♍					
	10097 Mar 09 17:30	0°♎					
asc. node	10097 Mar 26 23:34	12°♎42'52					
	10097 Apr 18 18:06	0°♏					
	10097 May 27 10:27	0°♐					
	10097 Jul 05 05:38	0°♍					
	10097 Aug 14 03:48	0°♊					
evening set	10097 Sep 24 20:11	0°♌					
	10097 Oct 05 05:40	7°♌16'04					
	10097 Nov 07 12:26	0°♌					
conjunction	10097 Nov 26 12:14	12°♌38'49	0°43'48				
minimum elong	10097 Nov 26 13:36	12°♌41'04	0°44'12				
max. Earth dist.	10097 Dec 15 08:33	24°♌59'54	2.62698 AU				
	10097 Dec 23 01:33	0°♍					
morning rise	10098 Jan 12 21:34	13°♍23'14					
	10098 Feb 08 02:52	0°♋					
desc. node	10098 Feb 22 23:30	9°♋18'44					
	10098 Mar 28 09:59	0°♋					
	10098 May 17 06:38	0°♌					
	10098 Jul 09 19:22	0°♍					
retrograde	10098 Oct 04 10:28	29°♍23'37					
opposition	10098 Nov 06 09:42	23°♍04'56	-5°12'11				
greatest brilliancy	10098 Nov 08 03:05	22°♍31'05	-2.4m				
min. Earth dist.	10098 Nov 15 00:03	20°♍17'04	0.44835 AU				
direct	10098 Dec 12 10:19	15°♍23'31					
	10099 Jan 31 06:04	0°♎					
asc. node	10099 Feb 12 02:14	6°♎25'42					
	10099 Mar 21 00:13	0°♏					
	10099 May 01 23:35	0°♐					
	10099 Jun 11 21:34	0°♍					
	10099 Jul 23 12:53	0°♊					
	10099 Sep 04 16:22	0°♌					
	10099 Oct 19 12:20	0°♌					
evening set	10099 Nov 18 16:31	19°♌39'21					
	10099 Dec 04 18:19	0°♍					
conjunction	10100 Jan 04 00:33	19°♍18'45	0°03'37				
minimum elong	10100 Jan 04 00:40	19°♍18'56	0°04'04				
behind sun begin	10100 Jan 03 06:25	18°♍49'57					
behind sun end	10100 Jan 04 18:54	19°♍47'55					
max. Earth dist.	10100 Jan 07 16:19	21°♍38'14	2.67775 AU				
desc. node	10100 Jan 10 18:56	23°♍36'44					
	10100 Jan 20 20:32	0°♋					