Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

conjunction	-400 May 01 j 20:57	5°♉40'41	0°05'34
minimum elong	-400 May 01 j 20:39	5°♉40'11	0°05'34
behind sun begin	-400 Apr 30 j 22:59	5°♉03'03	
behind sun end	-400 May 02 j 18:20	6°♉17'18	
max. Earth dist.	-400 May 30 j 01:13	24°♉42'30	2.58005 AU
	-400 Jun 07 j 00:34	0°♊	
morning rise	-400 Jun 23 j 10:52	10°♊46'58	
	-400 Jul 23 j 06:46	0°♋	
	-400 Sep 09 j 04:32	0°♌	
	-400 Oct 29 j 04:33	0°♍	
	-400 Dec 23 j 09:45	0°♎	
retrograde	-399 Mar 06 j 13:44	22°♎20'29	
opposition	-399 Apr 10 j 16:38	15°♎08'48	1°30'57
greatest brilliancy	-399 Apr 11 j 05:31	14°♎57'29	-2.1m
min. Earth dist.	-399 Apr 19 j 01:57	12°♎12'20	0.50960 AU
desc. node	-399 May 10 j 12:14	6°♎52'22	
direct	-399 May 19 j 10:20	6°♎19'35	
	-399 Jul 26 j 16:35	0°♏	
	-399 Sep 10 j 20:33	0°♐	
	-399 Oct 21 j 20:58	0°♑	
	-399 Nov 30 j 14:40	0°♒	
	-398 Jan 09 j 17:27	0°♓	
	-398 Feb 20 j 03:49	0°♈	
asc. node	-398 Mar 10 j 15:54	13°♈00'12	
	-398 Apr 04 j 09:02	0°♉	
evening set	-398 Apr 25 j 20:25	14°♉27'19	
	-398 May 19 j 08:55	0°♊	
conjunction	-398 Jun 15 j 04:44	17°♊26'17	0°50'09
minimum elong	-398 Jun 15 j 03:22	17°♊24'05	0°50'08
max. Earth dist.	-398 Jun 25 j 13:03	24°♊05'57	2.65392 AU
	-398 Jul 04 j 17:55	0°♋	
morning rise	-398 Jul 31 j 23:46	17°♋22'18	
	-398 Aug 20 j 21:27	0°♌	
	-398 Oct 07 j 08:52	0°♍	
	-398 Nov 24 j 05:04	0°♎	
	-397 Jan 12 j 07:07	0°♏	
	-397 Mar 07 j 01:18	0°♐	
desc. node	-397 Mar 28 j 10:37	9°♐54'45	
retrograde	-397 May 14 j 06:29	21°♐08'29	
opposition	-397 Jun 13 j 21:42	15°♐58'38	-4°45'44
greatest brilliancy	-397 Jun 14 j 14:13	15°♐47'12	-2.8m
min. Earth dist.	-397 Jun 18 j 10:51	14°♐43'16	0.38977 AU
direct	-397 Jul 15 j 18:42	10°♐15'44	
	-397 Sep 14 j 03:12	0°♑	
	-397 Nov 01 j 14:54	0°♒	
	-397 Dec 15 j 22:34	0°♓	
asc. node	-396 Jan 26 j 14:58	28°♓20'37	
	-396 Jan 29 j 01:54	0°♈	
	-396 Mar 14 j 04:01	0°♉	
	-396 Apr 29 j 09:43	0°♊	
evening set	-396 Jun 05 j 13:50	23°♊44'04	
	-396 Jun 15 j 10:22	0°♋	
max. Earth dist.	-396 Jul 18 j 03:33	20°♋48'14	2.67374 AU
conjunction	-396 Jul 22 j 05:28	23°♋24'15	1°09'13
minimum elong	-396 Jul 22 j 05:08	23°♋23'43	1°09'13
	-396 Aug 01 j 13:32	0°♌	
morning rise	-396 Sep 04 j 21:55	22°♌04'12	
	-396 Sep 17 j 03:24	0°♍	
	-396 Nov 01 j 18:38	0°♎	
	-396 Dec 16 j 09:45	0°♏	
	-395 Jan 29 j 05:47	0°♐	
desc. node	-395 Feb 12 j 10:57	9°♐48'11	
	-395 Mar 13 j 18:35	0°♑	
	-395 Apr 27 j 12:15	0°♒	
	-395 Jun 19 j 16:24	0°♓	
retrograde	-395 Jul 29 j 02:21	9°♓37'13	
min. Earth dist.	-395 Aug 24 j 18:01	4°♓58'00	0.41130 AU
opposition	-395 Aug 31 j 20:09	2°♓45'46	-5°25'36
greatest brilliancy	-395 Aug 30 j 15:38	3°♓08'06	-2.7m
	-395 Sep 10 j 06:41	30°℞♒	
direct	-395 Oct 01 j 16:38	27°♒02'43	
	-395 Oct 23 j 14:24	0°♓	
asc. node	-395 Dec 13 j 13:43	21°♓16'04	
	-395 Dec 29 j 16:43	0°♈	
	-394 Feb 18 j 22:43	0°♉	
	-394 Apr 09 j 03:17	0°♊	
	-394 May 27 j 15:45	0°♋	
evening set	-394 Jul 13 j 09:18	29°♋22'59	
	-394 Jul 14 j 08:35	0°♌	
max. Earth dist.	-394 Aug 11 j 02:31	17°♌49'18	2.63942 AU
conjunction	-394 Aug 28 j 07:33	29°♌03'20	1°01'25
minimum elong	-394 Aug 28 j 08:33	29°♌04'59	1°01'26
	-394 Aug 29 j 18:02	0°♍	
morning rise	-394 Oct 13 j 01:48	29°♍43'20	
	-394 Oct 13 j 11:33	0°♎	
	-394 Nov 25 j 11:29	0°♏	
desc. node	-394 Dec 31 j 10:40	25°♏57'44	
	-393 Jan 05 j 22:49	0°♐	
	-393 Feb 15 j 07:11	0°♑	
	-393 Mar 27 j 04:34	0°♒	
	-393 May 06 j 17:38	0°♓	
	-393 Jun 19 j 02:30	0°♈	
	-393 Aug 12 j 18:21	0°♉	
retrograde	-393 Sep 18 j 19:21	8°♉21'42	
min. Earth dist.	-393 Oct 20 j 03:16	1°♉40'03	0.53728 AU
	-393 Oct 24 j 12:16	30°℞♈	
opposition	-393 Oct 27 j 08:18	28°♈54'44	-0°11'52
greatest brilliancy	-395 Jan 05 j 18:40	13°♏53'15	0.5m
asc. node	-393 Oct 31 j 12:03	27°♈21'05	
direct	-393 Dec 01 j 17:01	21°♈02'40	
	-392 Jan 12 j 10:29	0°♉	
	-392 Mar 14 j 23:12	0°♊	
	-392 May 06 j 08:39	0°♋	
	-392 Jun 24 j 13:49	0°♌	
	-392 Aug 10 j 08:59	0°♍	
evening set	-392 Aug 19 j 23:12	6°♍20'35	
max. Earth dist.	-392 Sep 07 j 00:21	18°♍28'20	2.55409 AU
	-392 Sep 23 j 19:43	0°♎	
conjunction	-392 Oct 07 j 08:04	9°♎26'23	0°25'14
minimum elong	-392 Oct 07 j 09:07	9°♎28'14	0°25'13
	-392 Nov 05 j 01:33	0°♏	
desc. node	-392 Nov 17 j 08:58	9°♏00'29	
morning rise	-392 Nov 27 j 18:01	16°♏41'32	
	-392 Dec 15 j 11:51	0°♐	
	-391 Jan 23 j 16:19	0°♑	
	-391 Mar 03 j 08:36	0°♒	
	-391 Apr 11 j 09:59	0°♓	
	-391 May 21 j 22:25	0°♈	
	-391 Jul 04 j 12:06	0°♉	
	-391 Aug 24 j 05:52	0°♊	
asc. node	-391 Sep 17 j 11:41	11°♊02'07	
retrograde	-391 Oct 26 j 17:23	19°♊35'10	
min. Earth dist.	-391 Dec 02 j 00:32	11°♊07'16	0.63636 AU
opposition	-391 Dec 05 j 18:14	9°♊37'33	2°57'46
greatest brilliancy	-391 Dec 05 j 07:38	9°♊48'10	-1.5m
direct	-390 Jan 13 j 11:50	0°♊29'04	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-390 Apr 11 j 13:36	0°♋	
	-390 Jun 04 j 02:51	0°♌	
	-390 Jul 22 j 07:16	0°♍	
	-390 Sep 05 j 00:37	0°♎	
evening set	-390 Oct 03 j 18:29	20°♎21'20	
desc. node	-390 Oct 05 j 07:33	21°♎28'21	
	-390 Oct 17 j 00:07	0°♏	
max. Earth dist.	-390 Oct 20 j 06:58	2°♏25'09	2.43068 AU
	-390 Nov 25 j 22:03	0°♐	
conjunction	-390 Nov 28 j 13:48	2°♐02'18	-0°34'13
minimum elong	-390 Nov 28 j 11:44	1°♐58'19	0°34'12
	-389 Jan 03 j 12:52	0°♑	
morning rise	-389 Jan 31 j 20:43	22°♑16'00	
	-389 Feb 10 j 16:59	0°♒	
	-389 Mar 21 j 07:44	0°♓	
	-389 Apr 30 j 06:01	0°♈	
	-389 Jun 11 j 08:55	0°♉	
	-389 Jul 26 j 19:27	0°♊	
asc. node	-389 Aug 05 j 11:34	6°♊00'24	
	-389 Sep 16 j 12:50	0°♋	
retrograde	-389 Nov 30 j 11:08	24°♋09'19	
opposition	-388 Jan 09 j 12:06	14°♋28'44	4°24'47
greatest brilliancy	-388 Jan 09 j 11:08	14°♋29'43	-1.3m
min. Earth dist.	-388 Jan 09 j 14:45	14°♋26'06	0.67546 AU
direct	-388 Feb 19 j 06:08	4°♋39'50	
	-388 May 08 j 12:32	0°♌	
	-388 Jun 30 j 06:03	0°♍	
	-388 Aug 15 j 06:36	0°♎	
desc. node	-388 Aug 22 j 06:48	4°♎49'27	
	-388 Sep 26 j 12:52	0°♏	
	-388 Nov 05 j 08:18	0°♐	
evening set	-388 Nov 30 j 20:04	19°♐50'16	
	-388 Dec 13 j 18:02	0°♑	
	-387 Jan 20 j 18:04	0°♒	
conjunction	-387 Feb 05 j 08:31	12°♒14'01	-1°04'16
minimum elong	-387 Feb 05 j 09:46	12°♒16'26	1°04'17
	-387 Feb 28 j 07:00	0°♓	
max. Earth dist.	-387 Mar 26 j 23:24	20°♓12'36	2.40556 AU
	-387 Apr 09 j 04:29	0°♈	
morning rise	-387 Apr 14 j 08:43	3°♈47'39	
	-387 May 21 j 01:57	0°♉	
asc. node	-387 Jun 22 j 09:55	22°♉02'30	
	-387 Jul 04 j 10:47	0°♊	
	-387 Aug 20 j 21:13	0°♋	
	-387 Oct 12 j 13:29	0°♌	
retrograde	-386 Jan 04 j 04:50	27°♌45'12	
opposition	-386 Feb 12 j 03:30	18°♌45'17	4°30'41
greatest brilliancy	-386 Feb 12 j 17:47	18°♌31'20	-1.4m
min. Earth dist.	-386 Feb 16 j 03:26	17°♌11'45	0.64910 AU
direct	-386 Mar 25 j 12:54	8°♌44'03	
	-386 Jun 02 j 13:03	0°♍	
desc. node	-386 Jul 10 j 05:25	21°♍24'10	
	-386 Jul 23 j 19:40	0°♎	
	-386 Sep 05 j 13:41	0°♏	
	-386 Oct 15 j 21:12	0°♐	
	-386 Nov 23 j 12:01	0°♑	
	-386 Dec 31 j 16:21	0°♒	
	-385 Feb 08 j 11:07	0°♓	
evening set	-385 Feb 09 j 05:59	0°♓35'57	
	-385 Mar 20 j 15:46	0°♈	
conjunction	-385 Apr 12 j 06:12	16°♈16'35	-0°17'11
minimum elong	-385 Apr 12 j 07:18	16°♈18'31	0°17'10
	-385 May 01 j 19:05	0°♉	
asc. node	-385 May 10 j 09:02	5°♉55'43	

max. Earth dist.	-385 May 18 j 13:11	11°♉31'23	2.53729 AU
morning rise	-385 Jun 07 j 11:52	24°♉57'55	
	-385 Jun 15 j 01:45	0°♊	
	-385 Jul 31 j 10:32	0°♋	
	-385 Sep 17 j 23:39	0°♌	
	-385 Nov 09 j 01:57	0°♍	
	-384 Jan 14 j 17:45	0°♎	
retrograde	-384 Feb 15 j 10:39	5°♎16'50	
	-384 Mar 15 j 18:35	30°℞♍	
opposition	-384 Mar 23 j 00:07	27°♍26'03	2°53'32
greatest brilliancy	-384 Mar 23 j 20:17	27°♍07'29	-1.8m
min. Earth dist.	-384 Mar 30 j 13:04	24°♍39'51	0.55883 AU
direct	-384 May 02 j 02:28	17°♍58'46	
desc. node	-384 May 27 j 04:11	21°♍48'17	
	-384 Jun 18 j 02:19	0°♎	
	-384 Aug 09 j 20:29	0°♏	
	-384 Sep 21 j 15:30	0°♐	
	-384 Oct 31 j 10:18	0°♑	
	-384 Dec 09 j 10:16	0°♒	
	-383 Jan 17 j 23:04	0°♓	
	-383 Feb 27 j 21:21	0°♈	
asc. node	-383 Mar 27 j 08:22	19°♈24'32	
evening set	-383 Apr 07 j 06:48	26°♈58'54	
	-383 Apr 11 j 16:16	0°♉	
	-383 May 26 j 08:47	0°♊	
conjunction	-383 May 30 j 01:31	2°♊25'57	0°35'43
minimum elong	-383 May 30 j 00:11	2°♊23'45	0°35'42
max. Earth dist.	-383 Jun 15 j 23:53	13°♊29'12	2.63136 AU
	-383 Jul 11 j 14:48	0°♋	
morning rise	-383 Jul 17 j 14:14	3°♋49'12	
	-383 Aug 27 j 22:39	0°♌	
	-383 Oct 15 j 02:43	0°♍	
	-383 Dec 03 j 16:06	0°♎	
	-382 Jan 26 j 10:23	0°♏	
retrograde	-382 Apr 14 j 01:35	25°♏08'43	
desc. node	-382 Apr 14 j 04:10	25°♏08'42	
opposition	-382 May 16 j 10:20	19°♏13'10	-1°56'35
greatest brilliancy	-382 May 16 j 23:01	19°♏03'18	-2.6m
min. Earth dist.	-382 May 24 j 00:48	16°♏52'13	0.42929 AU
direct	-382 Jun 20 j 10:10	12°♏07'58	
	-382 Aug 15 j 21:58	0°♐	
	-382 Oct 02 j 19:17	0°♑	
	-382 Nov 14 j 07:28	0°♒	
	-382 Dec 26 j 03:25	0°♓	
	-381 Feb 06 j 19:48	0°♈	
asc. node	-381 Feb 12 j 06:16	3°♈45'13	
	-381 Mar 22 j 23:11	0°♉	
	-381 May 07 j 14:23	0°♊	
evening set	-381 May 22 j 03:04	9°♊23'18	
	-381 Jun 23 j 07:02	0°♋	
conjunction	-381 Jul 08 j 19:48	9°♋54'17	1°04'57
minimum elong	-381 Jul 08 j 18:58	9°♋52'56	1°04'57
max. Earth dist.	-381 Jul 10 j 01:03	10°♋40'51	2.67252 AU
	-381 Aug 09 j 08:42	0°♌	
morning rise	-381 Aug 22 j 22:50	8°♌40'29	
	-381 Sep 25 j 04:36	0°♍	
	-381 Nov 10 j 11:15	0°♎	
	-381 Dec 26 j 06:39	0°♏	
	-380 Feb 10 j 01:59	0°♐	
desc. node	-380 Mar 01 j 03:30	12°♐58'23	
	-380 Mar 28 j 04:46	0°♑	
	-380 May 22 j 15:02	0°♒	
retrograde	-380 Jul 01 j 21:25	9°♒31'09	
min. Earth dist.	-380 Jul 29 j 10:18	5°♒02'13	0.37993 AU
greatest brilliancy	-380 Aug 01 j 08:28	4°♒14'08	-2.9m

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

opposition	-380 Aug 02 j 02:19	4°♒01'54	-6°49'11	
	-380 Aug 19 j 12:47	30°℞♑		
direct	-380 Aug 31 j 15:36	29°♑01'55		
	-380 Sep 12 j 22:24	0°♒		
	-380 Nov 22 j 23:54	0°♓		
asc. node	-380 Dec 30 j 04:58	22°♓17'32		
	-379 Jan 11 j 14:55	0°♈		
	-379 Feb 28 j 07:33	0°♉		
	-379 Apr 16 j 23:42	0°♊		
	-379 Jun 03 j 18:38	0°♋		
evening set	-379 Jun 28 j 20:56	15°♋49'29		
	-379 Jul 21 j 04:23	0°♌		
max. Earth dist.	-379 Aug 01 j 16:44	7°♌22'07	2.65919 AU	
conjunction	-379 Aug 13 j 18:04	15°♌08'01	1°07'43	
minimum elong	-379 Aug 13 j 18:36	15°♌08'53	1°07'43	
	-379 Sep 05 j 14:17	0°♍		
morning rise	-379 Sep 27 j 16:12	14°♍35'32		
	-379 Oct 20 j 14:22	0°♎		
	-379 Dec 03 j 02:26	0°♏		
	-378 Jan 14 j 06:17	0°♐		
desc. node	-378 Jan 17 j 02:23	2°♐02'52		
	-378 Feb 24 j 10:41	0°♑		
	-378 Apr 06 j 08:24	0°♒		
	-378 May 18 j 11:54	0°♓		
	-378 Jul 05 j 08:39	0°♈		
retrograde	-378 Aug 31 j 20:10	18°♈30'41		
min. Earth dist.	-378 Sep 30 j 00:45	12°♈39'49	0.48670 AU	
greatest brilliancy	-378 Oct 07 j 11:48	9°♈57'21	-2.3m	
opposition	-378 Oct 08 j 01:17	9°♈45'06	-2°03'25	
direct	-378 Nov 10 j 15:49	2°♈37'53		
asc. node	-378 Nov 17 j 04:55	2°♈54'17		
	-377 Jan 30 j 21:49	0°♉		
	-377 Mar 25 j 21:23	0°♊		
	-377 May 15 j 06:06	0°♋		
	-377 Jul 02 j 17:20	0°♌		
evening set	-377 Aug 05 j 14:19	21°♌41'11		
	-377 Aug 18 j 07:15	0°♍		
max. Earth dist.	-377 Aug 27 j 06:50	5°♍56'32	2.59309 AU	
conjunction	-377 Sep 21 j 13:21	22°♍57'36	0°42'41	
minimum elong	-377 Sep 21 j 14:40	22°♍59'51	0°42'41	
	-377 Oct 01 j 19:34	0°♎		
morning rise	-377 Nov 09 j 00:32	26°♎55'02		
	-377 Nov 13 j 07:14	0°♏		
desc. node	-377 Dec 05 j 01:25	15°♏52'31		
	-377 Dec 24 j 01:29	0°♐		
	-376 Feb 01 j 14:37	0°♑		
	-376 Mar 11 j 15:07	0°♒		
	-376 Apr 20 j 01:14	0°♓		
	-376 May 31 j 03:47	0°♈		
	-376 Jul 15 j 07:34	0°♉		
	-376 Sep 13 j 23:19	0°♊		
asc. node	-376 Oct 04 j 03:59	4°♊27'54		
retrograde	-376 Oct 12 j 10:41	4°♊55'24		
	-376 Nov 08 j 03:02	30°℞♉		
min. Earth dist.	-376 Nov 15 j 22:25	27°♉04'40	0.60400 AU	
opposition	-376 Nov 21 j 02:47	25°♉01'20	1°58'48	
greatest brilliancy	-376 Nov 20 j 16:55	25°♉11'07	-1.7m	
direct	-376 Dec 28 j 16:53	16°♉17'25		
	-375 Feb 21 j 01:35	0°♊		
	-375 Apr 21 j 20:32	0°♋		
	-375 Jun 12 j 02:27	0°♌		
	-375 Jul 29 j 14:20	0°♍		
	-375 Sep 12 j 03:49	0°♎		
evening set	-375 Sep 15 j 03:10	2°♎04'01		
max. Earth dist.	-375 Sep 29 j 19:10	12°♎23'13	2.48151 AU	
desc. node	-375 Oct 22 j 00:03	28°♎22'58		
	-375 Oct 24 j 05:06	0°♏		
conjunction	-375 Nov 06 j 06:13	9°♏37'34	-0°09'53	
minimum elong	-375 Nov 06 j 05:38	9°♏36'30	0°09'53	
behind sun begin	-375 Nov 05 j 10:52	9°♏01'40		
behind sun end	-375 Nov 07 j 00:24	10°♏11'22		
	-375 Dec 03 j 07:05	0°♐		
morning rise	-374 Jan 03 j 18:09	24°♐16'36		
	-374 Jan 11 j 02:18	0°♑		
	-374 Feb 18 j 09:56	0°♒		
	-374 Mar 29 j 03:04	0°♓		
	-374 May 08 j 04:04	0°♈		
	-374 Jun 19 j 14:03	0°♉		
	-374 Aug 05 j 01:44	0°♊		
asc. node	-374 Aug 22 j 02:38	9°♊58'42		
	-374 Oct 01 j 03:54	0°♋		
retrograde	-374 Nov 17 j 02:42	11°♋16'14		
min. Earth dist.	-374 Dec 25 j 21:33	1°♋59'15	0.66790 AU	
opposition	-374 Dec 27 j 07:00	1°♋25'44	4°01'03	
greatest brilliancy	-374 Dec 27 j 00:58	1°♋31'47	-1.3m	
	-374 Dec 30 j 21:01	30°℞♊		
direct	-373 Feb 05 j 09:44	21°♊49'15		
	-373 Mar 18 j 00:06	0°♋		
	-373 May 20 j 06:56	0°♌		
	-373 Jul 09 j 12:56	0°♍		
	-373 Aug 23 j 21:21	0°♎		
desc. node	-373 Sep 08 j 22:33	11°♎12'29		
	-373 Oct 04 j 23:34	0°♏		
evening set	-373 Nov 06 j 14:56	24°♏29'46		
	-373 Nov 13 j 19:11	0°♐		
	-373 Dec 22 j 06:17	0°♑		
conjunction	-372 Jan 08 j 14:53	13°♑41'40	-1°02'33	
minimum elong	-372 Jan 08 j 13:08	13°♑38'13	1°02'33	
max. Earth dist.	-372 Jan 08 j 10:22	13°♑32'45	2.37258 AU	
	-372 Jan 29 j 07:10	0°♒		
	-372 Mar 07 j 19:48	0°♓		
morning rise	-372 Mar 18 j 09:55	8°♓05'31		
	-372 Apr 16 j 16:13	0°♈		
	-372 May 28 j 13:24	0°♉		
asc. node	-372 Jul 09 j 02:12	28°♉01'06		
	-372 Jul 12 j 03:14	0°♊		
	-372 Aug 29 j 12:14	0°♋		
	-372 Oct 25 j 14:53	0°♌		
retrograde	-372 Dec 20 j 21:04	14°♌41'46		
opposition	-371 Jan 29 j 09:24	5°♌23'10	4°38'12	
greatest brilliancy	-371 Jan 29 j 17:49	5°♌14'52	-1.3m	
min. Earth dist.	-371 Jan 31 j 21:09	4°♌24'14	0.66741 AU	
	-371 Feb 12 j 18:42	30°℞♋		
direct	-371 Mar 11 j 17:19	25°♋22'49		
	-371 Apr 09 j 22:36	0°♌		
	-371 Jun 14 j 14:44	0°♍		
desc. node	-371 Jul 26 j 22:18	26°♍04'57		
	-371 Aug 01 j 20:28	0°♎		
	-371 Sep 13 j 19:07	0°♏		
	-371 Oct 23 j 19:35	0°♐		
	-371 Dec 01 j 06:57	0°♑		
	-370 Jan 08 j 08:18	0°♒		
evening set	-370 Jan 13 j 04:42	3°♒48'21		
	-370 Feb 15 j 23:29	0°♓		
conjunction	-370 Mar 19 j 20:45	24°♓00'24	-0°40'06	
minimum elong	-370 Mar 19 j 23:20	24°♓05'09	0°40'04	
	-370 Mar 28 j 00:06	0°♈		
max. Earth dist.	-370 May 03 j 11:15	26°♈08'45	2.48811 AU	
	-370 May 08 j 23:36	0°♉		

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

morning rise	-370 May 19 j 15:05	7°♉21'53	
asc. node	-370 May 27 j 00:23	12°♉25'18	
	-370 Jun 22 j 04:59	0°♊	
	-370 Aug 07 j 19:15	0°♋	
	-370 Sep 26 j 08:03	0°♌	
	-370 Nov 21 j 05:36	0°♍	
retrograde	-369 Jan 28 j 17:44	20°♍00'00	
opposition	-369 Mar 07 j 10:25	11°♍37'30	3°47'10
greatest brilliancy	-369 Mar 08 j 06:58	11°♍18'00	-1.6m
min. Earth dist.	-369 Mar 13 j 16:59	9°♍14'54	0.60144 AU
direct	-369 Apr 17 j 08:31	1°♍48'24	
desc. node	-369 Jun 13 j 21:21	18°♍15'08	
	-369 Jul 05 j 20:48	0°♎	
	-369 Aug 21 j 17:16	0°♏	
	-369 Oct 02 j 01:41	0°♐	
	-369 Nov 10 j 04:43	0°♑	
	-369 Dec 18 j 17:48	0°♒	
	-368 Jan 26 j 20:51	0°♓	
	-368 Mar 07 j 10:00	0°♈	
evening set	-368 Mar 17 j 17:06	7°♈24'33	
asc. node	-368 Apr 12 j 23:02	25°♈54'30	
	-368 Apr 18 j 20:51	0°♉	
conjunction	-368 May 12 j 15:29	16°♉12'22	0°17'36
minimum elong	-368 May 12 j 14:38	16°♉10'56	0°17'36
	-368 Jun 02 j 07:48	0°♊	
max. Earth dist.	-368 Jun 05 j 14:21	2°♊09'38	2.60062 AU
morning rise	-368 Jul 02 j 13:29	19°♊44'40	
	-368 Jul 18 j 12:43	0°♋	
	-368 Sep 04 j 03:54	0°♌	
	-368 Oct 23 j 08:02	0°♍	
	-368 Dec 14 j 17:36	0°♎	
	-367 Feb 21 j 20:22	0°♏	
retrograde	-367 Mar 19 j 09:56	3°♏34'10	
	-367 Apr 12 j 10:11	30°℞♎	
opposition	-367 Apr 22 j 13:42	26°♎47'47	0°26'59
greatest brilliancy	-367 Apr 22 j 17:54	26°♎44'14	-2.3m
desc. node	-367 Apr 30 j 19:35	24°♎00'05	
min. Earth dist.	-367 May 01 j 00:58	23°♎55'39	0.48064 AU
direct	-367 May 30 j 05:01	18°♎28'53	
	-367 Jul 13 j 15:11	0°♏	
	-367 Sep 02 j 23:44	0°♐	
	-367 Oct 15 j 08:06	0°♑	
	-367 Nov 24 j 17:45	0°♒	
	-366 Jan 04 j 06:59	0°♓	
	-366 Feb 15 j 01:16	0°♈	
asc. node	-366 Feb 28 j 22:49	9°♈43'52	
	-366 Mar 30 j 12:12	0°♉	
evening set	-366 May 05 j 18:04	24°♉09'19	
	-366 May 14 j 16:06	0°♊	
conjunction	-366 Jun 24 j 00:20	26°♊05'33	0°56'44
minimum elong	-366 Jun 23 j 23:06	26°♊03'34	0°56'44
	-366 Jun 30 j 02:45	0°♋	
max. Earth dist.	-366 Jul 01 j 00:51	0°♋35'21	2.66280 AU
morning rise	-366 Aug 09 j 01:49	25°♋28'05	
	-366 Aug 16 j 04:55	0°♌	
	-366 Oct 02 j 09:47	0°♍	
	-366 Nov 18 j 13:51	0°♎	
	-365 Jan 05 j 03:52	0°♏	
	-365 Feb 23 j 15:46	0°♐	
desc. node	-365 Mar 18 j 18:59	12°♐57'46	
	-365 Apr 24 j 00:33	0°♑	
retrograde	-365 Jun 01 j 11:48	8°♑11'24	
opposition	-365 Jul 01 j 16:51	3°♑12'22	-6°05'30
greatest brilliancy	-365 Jul 02 j 00:46	3°♑07'05	-2.9m
min. Earth dist.	-365 Jul 03 j 11:32	2°♑43'51	0.37754 AU
	-365 Jul 14 j 14:20	30°℞♐	
direct	-365 Aug 01 j 05:49	28°♐02'24	
	-365 Aug 18 j 11:26	0°♑	
	-365 Oct 22 j 13:34	0°♒	
	-365 Dec 08 j 16:23	0°♓	
asc. node	-364 Jan 16 j 21:25	25°♓54'36	
	-364 Jan 23 j 02:00	0°♈	
	-364 Mar 08 j 20:48	0°♉	
	-364 Apr 24 j 12:22	0°♊	
	-364 Jun 10 j 18:15	0°♋	
evening set	-364 Jun 14 j 04:19	2°♋09'59	
max. Earth dist.	-364 Jul 23 j 11:39	27°♋08'17	2.67080 AU
	-364 Jul 27 j 23:12	0°♌	
conjunction	-364 Jul 30 j 10:34	1°♌34'51	1°09'50
minimum elong	-364 Jul 30 j 10:34	1°♌34'51	1°09'50
	-364 Sep 12 j 11:26	0°♍	
morning rise	-364 Sep 13 j 01:52	0°♍23'33	
	-364 Oct 27 j 20:48	0°♎	
	-364 Dec 11 j 01:18	0°♏	
	-363 Jan 23 j 04:24	0°♐	
desc. node	-363 Feb 02 j 18:46	7°♐27'29	
	-363 Mar 06 j 15:38	0°♑	
	-363 Apr 18 j 09:56	0°♒	
	-363 Jun 03 j 12:57	0°♓	
retrograde	-363 Aug 11 j 06:43	25°♓08'53	
min. Earth dist.	-363 Sep 07 j 14:26	20°♓07'42	0.43602 AU
greatest brilliancy	-363 Sep 14 j 09:50	17°♓51'46	-2.5m
opposition	-363 Sep 15 j 11:35	17°♓30'14	-4°12'58
direct	-363 Oct 17 j 05:36	11°♓16'27	
asc. node	-363 Dec 03 j 19:55	23°♓03'31	
	-363 Dec 19 j 01:03	0°♈	
	-362 Feb 12 j 06:01	0°♉	
	-362 Apr 03 j 16:37	0°♊	
	-362 May 22 j 18:12	0°♋	
	-362 Jul 09 j 16:52	0°♌	
evening set	-362 Jul 21 j 18:28	7°♌41'21	
max. Earth dist.	-362 Aug 16 j 20:53	24°♌33'52	2.62488 AU
	-362 Aug 25 j 03:51	0°♍	
conjunction	-362 Sep 05 j 22:19	7°♍47'15	0°55'47
minimum elong	-362 Sep 05 j 23:31	7°♍49'15	0°55'47
	-362 Oct 08 j 19:28	0°♎	
morning rise	-362 Oct 22 j 10:43	9°♎25'08	
	-362 Nov 20 j 15:02	0°♏	
desc. node	-362 Dec 21 j 17:11	22°♏32'26	
	-362 Dec 31 j 19:55	0°♐	
	-361 Feb 09 j 20:49	0°♑	
	-361 Mar 21 j 09:27	0°♒	
	-361 Apr 30 j 09:52	0°♓	
	-361 Jun 11 j 14:51	0°♈	
	-361 Jul 30 j 11:40	0°♉	
retrograde	-361 Sep 28 j 04:04	18°♉48'55	
asc. node	-361 Oct 21 j 19:42	14°♉50'21	
min. Earth dist.	-361 Oct 30 j 15:38	11°♉41'08	0.56298 AU
opposition	-361 Nov 06 j 04:36	9°♉08'32	0°41'51
greatest brilliancy	-361 Nov 06 j 00:07	9°♉12'54	-1.9m
direct	-361 Dec 12 j 10:09	0°♉55'48	
	-360 Mar 07 j 14:47	0°♊	
	-360 Apr 30 j 20:10	0°♋	
	-360 Jun 19 j 16:17	0°♌	
	-360 Aug 05 j 17:13	0°♍	
evening set	-360 Aug 29 j 02:54	15°♍34'19	
max. Earth dist.	-360 Sep 14 j 10:51	26°♍42'41	2.52949 AU
	-360 Sep 19 j 05:05	0°♎	
conjunction	-360 Oct 17 j 14:30	20°♎01'32	0°13'20

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

minimum elong	-360 Oct 17 j 15:07	20°♎02'39	0°13'20
behind sun begin	-360 Oct 17 j 02:34	19°♎40'09	
behind sun end	-360 Oct 18 j 03:41	20°♎25'11	
	-360 Oct 31 j 09:31	0°♏	
desc. node	-360 Nov 07 j 16:29	5°♏20'13	
morning rise	-360 Dec 10 j 04:52	29°♏37'36	
	-360 Dec 10 j 16:41	0°♐	
	-359 Jan 18 j 17:35	0°♑	
	-359 Feb 26 j 06:16	0°♒	
	-359 Apr 06 j 03:42	0°♓	
	-359 May 16 j 10:20	0°♈	
	-359 Jun 28 j 09:51	0°♉	
	-359 Aug 15 j 21:28	0°♊	
asc. node	-359 Sep 07 j 18:37	11°♊55'25	
retrograde	-359 Nov 03 j 15:27	27°♊57'23	
min. Earth dist.	-359 Dec 10 j 21:01	19°♊10'42	0.65041 AU
opposition	-359 Dec 13 j 18:31	18°♊01'02	3°24'59
greatest brilliancy	-359 Dec 13 j 08:53	18°♊10'41	-1.4m
direct	-358 Jan 22 j 01:03	8°♊41'18	
	-358 Apr 03 j 16:42	0°♋	
	-358 May 29 j 12:27	0°♌	
	-358 Jul 17 j 08:24	0°♍	
	-358 Aug 31 j 07:06	0°♎	
desc. node	-358 Sep 25 j 15:55	17°♎53'18	
	-358 Oct 12 j 08:01	0°♏	
evening set	-358 Oct 15 j 05:16	2°♏07'26	
max. Earth dist.	-358 Nov 05 j 21:30	18°♏19'10	2.40396 AU
	-358 Nov 21 j 05:15	0°♐	
conjunction	-358 Dec 12 j 11:57	16°♐28'17	-0°46'52
minimum elong	-358 Dec 12 j 09:20	16°♐23'11	0°46'50
	-358 Dec 29 j 18:36	0°♑	
	-357 Feb 05 j 21:03	0°♒	
morning rise	-357 Feb 17 j 17:13	9°♒17'09	
	-357 Mar 16 j 10:04	0°♓	
	-357 Apr 25 j 06:26	0°♈	
	-357 Jun 06 j 05:27	0°♉	
	-357 Jul 21 j 05:04	0°♊	
asc. node	-357 Jul 26 j 16:42	3°♊29'02	
	-357 Sep 09 j 05:27	0°♋	
	-357 Nov 19 j 23:31	0°♌	
retrograde	-357 Dec 08 j 04:42	1°♌56'15	
	-357 Dec 25 j 10:19	30°℞♋	
opposition	-356 Jan 17 j 02:28	22°♋22'41	4°33'08
greatest brilliancy	-356 Jan 17 j 04:47	22°♋20'24	-1.3m
min. Earth dist.	-356 Jan 18 j 01:43	21°♋59'35	0.67550 AU
direct	-356 Feb 27 j 02:54	12°♋28'30	
	-356 Apr 30 j 01:30	0°♌	
	-356 Jun 24 j 10:45	0°♍	
	-356 Aug 10 j 03:17	0°♎	
desc. node	-356 Aug 12 j 14:37	1°♎40'47	
	-356 Sep 21 j 15:18	0°♏	
	-356 Oct 31 j 12:38	0°♐	
	-356 Dec 08 j 22:59	0°♑	
evening set	-356 Dec 16 j 02:19	5°♑37'57	
	-355 Jan 15 j 23:12	0°♒	
conjunction	-355 Feb 21 j 06:50	28°♒17'35	-0°58'32
minimum elong	-355 Feb 21 j 09:20	28°♒22'25	0°58'31
	-355 Feb 23 j 12:09	0°♓	
	-355 Apr 04 j 09:40	0°♈	
max. Earth dist.	-355 Apr 13 j 03:36	6°♈23'54	2.43432 AU
morning rise	-355 Apr 28 j 00:27	17°♈07'06	
	-355 May 16 j 06:25	0°♉	
asc. node	-355 Jun 12 j 16:30	18°♉47'49	
	-355 Jun 29 j 12:06	0°♊	
	-355 Aug 15 j 12:07	0°♋	
	-355 Oct 05 j 15:20	0°♌	
	-355 Dec 10 j 01:13	0°♍	
retrograde	-354 Jan 12 j 18:42	5°♍55'26	
	-354 Feb 12 j 16:28	30°℞♌	
opposition	-354 Feb 20 j 08:20	27°♌07'33	4°19'28
greatest brilliancy	-354 Feb 21 j 01:28	26°♌50'58	-1.5m
min. Earth dist.	-354 Feb 25 j 04:32	25°♌15'11	0.63481 AU
direct	-354 Apr 02 j 16:00	17°♌08'14	
	-354 May 23 j 11:18	0°♍	
desc. node	-354 Jun 30 j 13:07	19°♍44'05	
	-354 Jul 17 j 11:15	0°♎	
	-354 Aug 31 j 01:17	0°♏	
	-354 Oct 10 j 16:03	0°♐	
	-354 Nov 18 j 10:29	0°♑	
	-354 Dec 26 j 17:15	0°♒	
	-353 Feb 03 j 14:04	0°♓	
evening set	-353 Feb 23 j 12:33	15°♓00'35	
	-353 Mar 15 j 20:46	0°♈	
conjunction	-353 Apr 24 j 06:39	28°♈03'39	-0°03'56
minimum elong	-353 Apr 24 j 06:51	28°♈03'59	0°03'57
behind sun begin	-353 Apr 23 j 07:47	27°♈23'51	
behind sun end	-353 Apr 25 j 05:55	28°♈44'05	
	-353 Apr 27 j 01:38	0°♉	
asc. node	-353 Apr 30 j 16:01	2°♉29'34	
max. Earth dist.	-353 May 25 j 21:43	19°♉41'28	2.56182 AU
	-353 Jun 10 j 08:31	0°♊	
morning rise	-353 Jun 17 j 09:08	4°♊38'14	
	-353 Jul 26 j 14:19	0°♋	
	-353 Sep 12 j 17:00	0°♌	
	-353 Nov 02 j 10:09	0°♍	
	-353 Dec 30 j 15:07	0°♎	
retrograde	-352 Feb 26 j 12:22	15°♎10'11	
opposition	-352 Apr 02 j 07:23	7°♎39'57	2°09'53
greatest brilliancy	-352 Apr 03 j 00:23	7°♎24'38	-2.0m
min. Earth dist.	-352 Apr 10 j 08:57	4°♎46'01	0.53239 AU
	-352 Apr 26 j 23:13	30°℞♍	
direct	-352 May 11 j 17:35	28°♍30'56	
desc. node	-352 May 17 j 12:17	28°♍44'26	
	-352 May 26 j 20:00	0°♎	
	-352 Aug 01 j 19:23	0°♏	
	-352 Sep 15 j 05:00	0°♐	
	-352 Oct 25 j 14:37	0°♑	
	-352 Dec 03 j 23:14	0°♒	
	-351 Jan 12 j 18:16	0°♓	
	-351 Feb 22 j 21:45	0°♈	
asc. node	-351 Mar 17 j 14:20	16°♈00'43	
	-351 Apr 06 j 20:51	0°♉	
evening set	-351 Apr 18 j 01:53	7°♉36'58	
	-351 May 21 j 16:15	0°♊	
conjunction	-351 Jun 08 j 10:12	11°♊35'59	0°44'33
minimum elong	-351 Jun 08 j 08:48	11°♊33'42	0°44'33
max. Earth dist.	-351 Jun 21 j 16:41	20°♊11'22	2.64489 AU
	-351 Jul 06 j 22:56	0°♋	
morning rise	-351 Jul 25 j 22:04	12°♋06'14	
	-351 Aug 23 j 03:46	0°♌	
	-351 Oct 09 j 21:31	0°♍	
	-351 Nov 27 j 09:05	0°♎	
	-350 Jan 17 j 00:44	0°♏	
	-350 Mar 18 j 04:09	0°♐	
desc. node	-350 Apr 04 j 10:57	5°♐49'04	
retrograde	-350 Apr 30 j 12:18	9°♐39'11	
opposition	-350 May 31 j 21:10	4°♐11'11	-3°32'28
greatest brilliancy	-350 Jun 01 j 14:55	3°♐58'16	-2.7m
min. Earth dist.	-350 Jun 07 j 03:35	2°♐22'19	0.40527 AU
	-350 Jun 16 j 07:25	30°℞♏	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

direct	-350 Jul 04 j 03:09	27°♏52'47	
	-350 Jul 21 j 24:00	0°♐	
	-350 Sep 22 j 23:56	0°♑	
	-350 Nov 06 j 23:04	0°♒	
	-350 Dec 19 j 22:29	0°♓	
	-349 Feb 01 j 07:16	0°♈	
asc. node	-349 Feb 02 j 13:17	0°♈51'15	
	-349 Mar 17 j 21:17	0°♉	
	-349 May 02 j 19:18	0°♊	
evening set	-349 May 31 j 01:24	18°♊08'15	
	-349 Jun 18 j 15:39	0°♋	
max. Earth dist.	-349 Jul 15 j 07:51	16°♋58'49	2.67423 AU
conjunction	-349 Jul 17 j 02:46	18°♋07'07	1°07'54
minimum elong	-349 Jul 17 j 02:13	18°♋06'15	1°07'54
	-349 Aug 04 j 18:05	0°♌	
morning rise	-349 Aug 30 j 22:33	16°♌46'17	
	-349 Sep 20 j 10:42	0°♍	
	-349 Nov 05 j 08:39	0°♎	
	-349 Dec 20 j 11:33	0°♏	
	-348 Feb 03 j 01:38	0°♐	
desc. node	-348 Feb 20 j 10:51	11°♐42'31	
	-348 Mar 18 j 19:50	0°♑	
	-348 May 05 j 03:39	0°♒	
retrograde	-348 Jul 17 j 21:28	27°♒20'49	
min. Earth dist.	-348 Aug 13 j 12:51	22°♒52'08	0.39451 AU
greatest brilliancy	-348 Aug 18 j 07:31	21°♒28'17	-2.8m
opposition	-348 Aug 19 j 09:55	21°♒08'50	-6°12'53
direct	-348 Sep 18 j 13:50	15°♒48'38	
	-348 Nov 09 j 15:50	0°♓	
asc. node	-348 Dec 20 j 12:14	21°♓33'01	
	-347 Jan 03 j 23:48	0°♈	
	-347 Feb 22 j 09:24	0°♉	
	-347 Apr 11 j 19:56	0°♊	
	-347 May 29 j 23:58	0°♋	
evening set	-347 Jul 07 j 04:28	24°♋01'46	
	-347 Jul 16 j 13:55	0°♌	
max. Earth dist.	-347 Aug 07 j 04:35	13°♌51'04	2.64936 AU
conjunction	-347 Aug 22 j 00:43	23°♌28'25	1°04'34
minimum elong	-347 Aug 22 j 01:33	23°♌29'46	1°04'33
	-347 Sep 01 j 00:14	0°♍	
morning rise	-347 Oct 06 j 08:13	23°♍31'21	
	-347 Oct 15 j 21:24	0°♎	
	-347 Nov 28 j 03:23	0°♏	
desc. node	-346 Jan 07 j 10:50	28°♏55'40	
	-346 Jan 08 j 22:08	0°♐	
	-346 Feb 18 j 14:53	0°♑	
	-346 Mar 30 j 21:26	0°♒	
	-346 May 10 j 22:53	0°♓	
	-346 Jun 24 j 13:33	0°♈	
	-346 Sep 02 j 01:01	0°♉	
retrograde	-346 Sep 11 j 09:11	0°♉36'55	
	-346 Sep 20 j 13:12	30°℞♈	
min. Earth dist.	-346 Oct 11 j 17:29	24°♈17'40	0.51517 AU
opposition	-346 Oct 19 j 09:18	21°♈25'33	-0°56'26
greatest brilliancy	-346 Oct 19 j 03:18	21°♈31'10	-2.1m
asc. node	-346 Nov 07 j 10:38	15°♈30'08	
direct	-346 Nov 23 j 00:39	13°♈52'09	
	-345 Jan 20 j 17:54	0°♉	
	-345 Mar 19 j 14:20	0°♊	
	-345 May 10 j 01:00	0°♋	
	-345 Jun 27 j 22:42	0°♌	
	-345 Aug 13 j 16:30	0°♍	
evening set	-345 Aug 14 j 07:04	0°♍23'57	
max. Earth dist.	-345 Sep 02 j 21:27	13°♍25'55	2.57243 AU
	-345 Sep 27 j 04:58	0°♎	
conjunction	-345 Sep 30 j 22:26	2°♎34'52	0°33'08
minimum elong	-345 Sep 30 j 23:39	2°♎36'58	0°33'07
	-345 Nov 08 j 14:29	0°♏	
morning rise	-345 Nov 19 j 21:09	8°♏12'57	
desc. node	-345 Nov 25 j 09:10	12°♏15'26	
	-345 Dec 19 j 05:01	0°♐	
	-344 Jan 27 j 13:38	0°♑	
	-344 Mar 06 j 09:23	0°♒	
	-344 Apr 14 j 13:31	0°♓	
	-344 May 25 j 05:50	0°♈	
	-344 Jul 08 j 06:13	0°♉	
	-344 Aug 30 j 07:24	0°♊	
asc. node	-344 Sep 24 j 10:05	9°♊43'19	
retrograde	-344 Oct 20 j 18:27	13°♊54'47	
min. Earth dist.	-344 Nov 25 j 06:37	5°♊42'38	0.62301 AU
opposition	-344 Nov 29 j 15:41	3°♊57'48	2°35'16
greatest brilliancy	-344 Nov 29 j 04:50	4°♊08'38	-1.6m
	-344 Dec 10 j 02:22	30°℞♉	
direct	-343 Jan 06 j 21:12	24°♉59'30	
	-343 Feb 06 j 13:32	0°♊	
	-343 Apr 15 j 07:53	0°♋	
	-343 Jun 06 j 20:30	0°♌	
	-343 Jul 24 j 18:50	0°♍	
	-343 Sep 07 j 11:42	0°♎	
evening set	-343 Sep 25 j 11:34	12°♎37'35	
max. Earth dist.	-343 Oct 10 j 12:08	23°♎24'32	2.45341 AU
desc. node	-343 Oct 12 j 07:39	24°♎43'27	
	-343 Oct 19 j 13:13	0°♏	
conjunction	-343 Nov 18 j 12:12	22°♏20'24	-0°23'51
minimum elong	-343 Nov 18 j 10:46	22°♏17'40	0°23'51
	-343 Nov 28 j 13:42	0°♐	
	-342 Jan 06 j 06:51	0°♑	
morning rise	-342 Jan 19 j 04:41	10°♑07'11	
	-342 Feb 13 j 12:31	0°♒	
	-342 Mar 24 j 03:38	0°♓	
	-342 May 03 j 01:50	0°♈	
	-342 Jun 14 j 05:46	0°♉	
	-342 Jul 29 j 22:54	0°♊	
asc. node	-342 Aug 12 j 09:51	8°♊11'59	
	-342 Sep 21 j 03:28	0°♋	
retrograde	-342 Nov 24 j 19:20	19°♋09'22	
opposition	-341 Jan 03 j 22:05	9°♋24'03	4°16'21
min. Earth dist.	-341 Jan 03 j 08:54	9°♋37'15	0.67332 AU
greatest brilliancy	-341 Jan 03 j 18:44	9°♋27'25	-1.3m
	-341 Feb 06 j 04:05	30°℞♊	
direct	-341 Feb 13 j 09:35	29°♊40'07	
	-341 Feb 20 j 19:48	0°♋	
	-341 May 13 j 13:04	0°♌	
	-341 Jul 04 j 04:22	0°♍	
	-341 Aug 18 j 23:10	0°♎	
desc. node	-341 Aug 30 j 06:51	7°♎49'59	
	-341 Sep 30 j 05:01	0°♏	
	-341 Nov 09 j 01:17	0°♐	
evening set	-341 Nov 20 j 11:54	8°♐50'58	
	-341 Dec 17 j 11:54	0°♑	
conjunction	-340 Jan 24 j 18:12	0°♒11'54	-1°05'26
minimum elong	-340 Jan 24 j 18:06	0°♒11'43	1°05'27
	-340 Jan 24 j 12:09	0°♒	
	-340 Mar 03 j 00:12	0°♓	
max. Earth dist.	-340 Mar 05 j 20:39	2°♓11'22	2.38504 AU
morning rise	-340 Apr 03 j 01:45	23°♓30'44	
	-340 Apr 11 j 20:02	0°♈	
	-340 May 23 j 15:53	0°♉	
asc. node	-340 Jun 29 j 08:15	24°♉56'25	
	-340 Jul 07 j 00:43	0°♊	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-340 Aug 23 j 17:24	0°♋	
	-340 Oct 16 j 16:56	0°♌	
retrograde	-340 Dec 29 j 00:06	22°♌35'54	
opposition	-339 Feb 06 j 05:36	13°♌27'20	4°35'13
greatest brilliancy	-339 Feb 06 j 17:23	13°♌15'47	-1.4m
min. Earth dist.	-339 Feb 09 j 13:42	12°♌08'47	0.65853 AU
direct	-339 Mar 19 j 15:08	3°♌25'44	
	-339 Jun 07 j 06:45	0°♍	
desc. node	-339 Jul 17 j 05:34	23°♍35'23	
	-339 Jul 27 j 03:53	0°♎	
	-339 Sep 08 j 14:34	0°♏	
	-339 Oct 18 j 19:46	0°♐	
	-339 Nov 26 j 09:18	0°♑	
	-338 Jan 03 j 12:03	0°♒	
evening set	-338 Jan 28 j 16:23	19°♒37'30	
	-338 Feb 11 j 04:18	0°♓	
	-338 Mar 23 j 05:51	0°♈	
conjunction	-338 Apr 02 j 11:23	7°♈26'41	-0°27'10
minimum elong	-338 Apr 02 j 13:10	7°♈29'55	0°27'08
	-338 May 04 j 06:03	0°♉	
max. Earth dist.	-338 May 12 j 10:47	5°♉40'54	2.51593 AU
asc. node	-338 May 17 j 07:15	9°♉01'09	
morning rise	-338 May 30 j 15:26	18°♉05'49	
	-338 Jun 17 j 10:31	0°♊	
	-338 Aug 02 j 20:01	0°♋	
	-338 Sep 20 j 16:43	0°♌	
	-338 Nov 12 j 23:56	0°♍	
retrograde	-337 Feb 07 j 14:35	29°♍00'41	
opposition	-337 Mar 16 j 16:43	20°♍55'05	3°18'49
greatest brilliancy	-337 Mar 17 j 13:35	20°♍35'34	-1.7m
min. Earth dist.	-337 Mar 23 j 16:45	18°♍18'16	0.57878 AU
direct	-337 Apr 26 j 05:16	11°♍16'19	
desc. node	-337 Jun 04 j 03:49	19°♍44'00	
	-337 Jun 26 j 13:52	0°♎	
	-337 Aug 15 j 03:57	0°♏	
	-337 Sep 26 j 06:56	0°♐	
	-337 Nov 04 j 18:23	0°♑	
	-337 Dec 13 j 13:01	0°♒	
	-336 Jan 21 j 20:27	0°♓	
	-336 Mar 02 j 13:18	0°♈	
evening set	-336 Mar 29 j 16:08	19°♈16'06	
asc. node	-336 Apr 03 j 06:44	22°♈29'05	
	-336 Apr 14 j 03:14	0°♉	
conjunction	-336 May 22 j 18:23	26°♉05'52	0°28'30
minimum elong	-336 May 22 j 17:10	26°♉03'52	0°28'29
	-336 May 28 j 15:52	0°♊	
max. Earth dist.	-336 Jun 11 j 17:51	9°♊14'54	2.61860 AU
morning rise	-336 Jul 11 j 06:30	28°♊21'00	
	-336 Jul 13 j 20:18	0°♋	
	-336 Aug 30 j 06:25	0°♌	
	-336 Oct 17 j 19:15	0°♍	
	-336 Dec 07 j 08:33	0°♎	
	-335 Feb 02 j 18:06	0°♏	
retrograde	-335 Apr 02 j 08:17	15°♏45'19	
desc. node	-335 Apr 21 j 03:52	13°♏33'05	
opposition	-335 May 05 j 12:48	9°♏26'27	-0°49'52
greatest brilliancy	-335 May 05 j 18:58	9°♏21'28	-2.4m
min. Earth dist.	-335 May 13 j 17:42	6°♏47'20	0.45154 AU
direct	-335 Jun 10 j 18:46	1°♏45'42	
	-335 Aug 24 j 09:00	0°♐	
	-335 Oct 08 j 01:20	0°♑	
	-335 Nov 18 j 10:32	0°♒	
	-335 Dec 29 j 14:21	0°♓	
	-334 Feb 09 j 18:52	0°♈	
asc. node	-334 Feb 19 j 04:33	6°♈32'30	
	-334 Mar 25 j 13:28	0°♉	
	-334 May 09 j 22:26	0°♊	
evening set	-334 May 15 j 06:15	3°♊27'46	
	-334 Jun 25 j 11:42	0°♋	
conjunction	-334 Jul 02 j 13:56	4°♋31'54	1°01'59
minimum elong	-334 Jul 02 j 12:54	4°♋30'15	1°01'59
max. Earth dist.	-334 Jul 06 j 08:52	6°♋56'57	2.66928 AU
	-334 Aug 11 j 13:20	0°♌	
morning rise	-334 Aug 17 j 01:21	3°♌30'14	
	-334 Sep 27 j 12:57	0°♍	
	-334 Nov 13 j 04:35	0°♎	
	-334 Dec 29 j 16:42	0°♏	
	-333 Feb 14 j 18:58	0°♐	
desc. node	-333 Mar 09 j 03:25	13°♐47'17	
	-333 Apr 05 j 22:47	0°♑	
retrograde	-333 Jun 19 j 11:06	26°♑07'05	
opposition	-333 Jul 19 j 23:31	21°♑00'01	-6°48'25
min. Earth dist.	-333 Jul 18 j 15:23	21°♑21'25	0.37477 AU
greatest brilliancy	-333 Jul 19 j 17:00	21°♑04'21	-2.9m
direct	-333 Aug 18 j 14:50	16°♑04'07	
	-333 Oct 08 j 02:25	0°♒	
	-333 Nov 30 j 07:44	0°♓	
asc. node	-332 Jan 07 j 02:59	23°♓53'32	
	-332 Jan 16 j 15:20	0°♈	
	-332 Mar 03 j 08:32	0°♉	
	-332 Apr 19 j 12:17	0°♊	
	-332 Jun 06 j 00:53	0°♋	
evening set	-332 Jun 22 j 15:46	10°♋29'53	
	-332 Jul 23 j 08:42	0°♌	
max. Earth dist.	-332 Jul 28 j 19:49	3°♌29'32	2.66548 AU
conjunction	-332 Aug 07 j 15:19	9°♌47'06	1°09'05
minimum elong	-332 Aug 07 j 15:39	9°♌47'37	1°09'05
	-332 Sep 07 j 20:00	0°♍	
morning rise	-332 Sep 21 j 08:39	8°♍52'57	
	-332 Oct 23 j 00:47	0°♎	
	-332 Dec 05 j 20:23	0°♏	
	-331 Jan 17 j 10:21	0°♐	
desc. node	-331 Jan 24 j 02:16	4°♐45'44	
	-331 Feb 28 j 03:03	0°♑	
	-331 Apr 10 j 16:49	0°♒	
	-331 May 24 j 00:21	0°♓	
	-331 Jul 15 j 19:55	0°♈	
retrograde	-331 Aug 23 j 07:58	9°♈17'55	
min. Earth dist.	-331 Sep 20 j 14:17	3°♈50'29	0.46354 AU
opposition	-331 Sep 28 j 17:47	0°♈59'08	-2°57'39
greatest brilliancy	-331 Sep 27 j 22:30	1°♈16'03	-2.4m
	-331 Oct 01 j 14:07	30°♓℞	
direct	-331 Oct 31 j 12:27	24°♓15'03	
asc. node	-331 Nov 24 j 03:03	27°♓32'48	
	-331 Dec 02 j 10:51	0°♈	
	-330 Feb 04 j 18:42	0°♉	
	-330 Mar 28 j 23:33	0°♊	
	-330 May 17 j 17:49	0°♋	
	-330 Jul 04 j 23:58	0°♌	
evening set	-330 Jul 30 j 05:17	16°♌06'06	
	-330 Aug 20 j 13:25	0°♍	
max. Earth dist.	-330 Aug 22 j 20:48	1°♍31'08	2.60831 AU
conjunction	-330 Sep 14 j 17:51	16°♍46'05	0°48'44
minimum elong	-330 Sep 14 j 19:09	16°♍48'17	0°48'43
	-330 Oct 04 j 04:15	0°♎	
morning rise	-330 Nov 01 j 05:18	19°♎34'13	
	-330 Nov 15 j 20:16	0°♏	
desc. node	-330 Dec 12 j 01:12	19°♏03'37	
	-330 Dec 26 j 19:50	0°♐	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-329 Feb 04 j 14:12	0°♉	
	-329 Mar 15 j 19:41	0°♒	
	-329 Apr 24 j 10:41	0°♓	
	-329 Jun 04 j 21:08	0°♈	
	-329 Jul 21 j 01:43	0°♉	
retrograde	-329 Oct 07 j 02:10	28°♉40'13	
asc. node	-329 Oct 12 j 02:28	28°♉29'37	
min. Earth dist.	-329 Nov 09 j 16:56	21°♉07'31	0.58667 AU
opposition	-329 Nov 15 j 11:46	18°♉50'46	1°28'55
greatest brilliancy	-329 Nov 15 j 03:26	18°♉58'59	-1.7m
direct	-329 Dec 22 j 11:36	10°♉19'45	
	-328 Feb 28 j 00:11	0°♊	
	-328 Apr 25 j 00:07	0°♋	
	-328 Jun 14 j 15:29	0°♌	
	-328 Jul 31 j 23:36	0°♍	
evening set	-328 Sep 07 j 15:38	25°♍13'37	
	-328 Sep 14 j 13:44	0°♎	
max. Earth dist.	-328 Sep 22 j 19:32	5°♎44'24	2.50362 AU
	-328 Oct 26 j 17:37	0°♏	
conjunction	-328 Oct 28 j 11:25	1°♏16'20	0°00'21
minimum elong	-328 Oct 28 j 11:25	1°♏16'20	0°00'21
behind sun begin	-328 Oct 27 j 13:06	0°♏35'36	
behind sun end	-328 Oct 29 j 09:43	1°♏57'07	
desc. node	-328 Oct 28 j 23:58	1°♏39'16	
	-328 Dec 05 j 22:49	0°♐	
morning rise	-328 Dec 23 j 14:45	13°♐31'37	
	-327 Jan 13 j 20:52	0°♑	
	-327 Feb 21 j 06:36	0°♒	
	-327 Apr 01 j 00:54	0°♓	
	-327 May 11 j 02:45	0°♈	
	-327 Jun 22 j 15:58	0°♉	
	-327 Aug 08 j 17:04	0°♊	
asc. node	-327 Aug 29 j 00:48	11°♊28'29	
	-327 Oct 09 j 07:43	0°♋	
retrograde	-327 Nov 11 j 10:38	6°♋07'06	
	-327 Dec 11 j 23:10	30°℞♊	
min. Earth dist.	-327 Dec 19 j 13:23	27°♊02'49	0.66130 AU
opposition	-327 Dec 21 j 14:35	26°♊13'27	3°47'41
greatest brilliancy	-327 Dec 21 j 06:42	26°♊21'22	-1.4m
direct	-326 Jan 30 j 08:28	16°♊43'48	
	-326 Mar 25 j 03:00	0°♋	
	-326 May 23 j 13:59	0°♌	
	-326 Jul 12 j 05:48	0°♍	
	-326 Aug 26 j 11:21	0°♎	
desc. node	-326 Sep 15 j 22:37	14°♎20'28	
	-326 Oct 07 j 14:15	0°♏	
evening set	-326 Oct 27 j 13:37	14°♏51'13	
	-326 Nov 16 j 11:31	0°♐	
max. Earth dist.	-326 Nov 30 j 12:48	10°♐51'35	2.38167 AU
	-326 Dec 24 j 24:00	0°♑	
conjunction	-326 Dec 27 j 11:13	1°♑56'29	-0°57'10
minimum elong	-326 Dec 27 j 08:44	1°♑51'36	0°57'08
	-325 Feb 01 j 01:33	0°♒	
morning rise	-325 Mar 06 j 15:22	26°♒11'51	
	-325 Mar 11 j 13:49	0°♓	
	-325 Apr 20 j 09:00	0°♈	
	-325 Jun 01 j 05:22	0°♉	
	-325 Jul 15 j 20:50	0°♊	
asc. node	-325 Jul 17 j 00:20	0°♊44'26	
	-325 Sep 02 j 17:27	0°♋	
	-325 Nov 01 j 23:49	0°♌	
retrograde	-325 Dec 16 j 00:09	9°♌41'26	
opposition	-324 Jan 24 j 17:11	0°♌15'50	4°37'25
greatest brilliancy	-324 Jan 24 j 22:54	0°♌10'09	-1.3m
	-324 Jan 25 j 09:09	30°℞♋	
min. Earth dist.	-324 Jan 26 j 12:56	29°♋32'28	0.67227 AU
direct	-324 Mar 05 j 22:10	20°♋17'32	
	-324 Apr 19 j 06:17	0°♌	
	-324 Jun 18 j 06:24	0°♍	
desc. node	-324 Aug 02 j 22:19	28°♍42'41	
	-324 Aug 04 j 20:31	0°♎	
	-324 Sep 16 j 15:34	0°♏	
	-324 Oct 26 j 15:26	0°♐	
	-324 Dec 04 j 02:31	0°♑	
evening set	-324 Dec 31 j 22:37	21°♑58'25	
	-323 Jan 11 j 03:09	0°♒	
	-323 Feb 18 j 16:41	0°♓	
conjunction	-323 Mar 08 j 16:24	13°♓40'35	-0°48'56
minimum elong	-323 Mar 08 j 19:16	13°♓46'00	0°48'55
	-323 Mar 30 j 14:47	0°♈	
max. Earth dist.	-323 Apr 25 j 12:16	18°♈44'07	2.46446 AU
morning rise	-323 May 10 j 16:02	29°♈25'31	
	-323 May 11 j 11:47	0°♉	
asc. node	-323 Jun 02 j 23:03	15°♉28'05	
	-323 Jun 24 j 15:37	0°♊	
	-323 Aug 10 j 08:11	0°♋	
	-323 Sep 29 j 09:12	0°♌	
	-323 Nov 26 j 19:41	0°♍	
retrograde	-322 Jan 21 j 17:12	14°♍17'37	
opposition	-322 Feb 28 j 19:49	5°♍43'11	4°02'40
greatest brilliancy	-322 Mar 01 j 15:09	5°♍24'40	-1.5m
min. Earth dist.	-322 Mar 06 j 11:27	3°♍33'20	0.61763 AU
	-322 Mar 16 j 12:36	30°℞♌	
direct	-322 Apr 10 j 23:20	25°♌48'08	
	-322 May 08 j 00:11	0°♍	
desc. node	-322 Jun 20 j 21:26	18°♍49'08	
	-322 Jul 10 j 12:32	0°♎	
	-322 Aug 25 j 07:20	0°♏	
	-322 Oct 05 j 08:15	0°♐	
	-322 Nov 13 j 07:15	0°♑	
	-322 Dec 21 j 16:57	0°♒	
	-321 Jan 29 j 16:14	0°♓	
evening set	-321 Mar 09 j 00:29	28°♓31'31	
	-321 Mar 11 j 01:07	0°♈	
asc. node	-321 Apr 20 j 21:21	29°♈00'01	
	-321 Apr 22 j 07:59	0°♉	
conjunction	-321 May 05 j 14:14	9°♉07'09	0°08'54
minimum elong	-321 May 05 j 13:45	9°♉06'21	0°08'53
behind sun begin	-321 May 04 j 18:40	8°♉33'45	
behind sun end	-321 May 06 j 08:50	9°♉38'54	
max. Earth dist.	-321 Jun 01 j 19:16	27°♉26'37	2.58433 AU
	-321 Jun 05 j 15:44	0°♊	
morning rise	-321 Jun 26 j 19:31	13°♊52'59	
	-321 Jul 21 j 19:55	0°♋	
	-321 Sep 07 j 14:40	0°♌	
	-321 Oct 27 j 07:46	0°♍	
	-321 Dec 20 j 12:54	0°♎	
retrograde	-320 Mar 09 j 11:54	25°♎43'33	
opposition	-320 Apr 13 j 09:55	18°♎36'23	1°15'25
greatest brilliancy	-320 Apr 13 j 20:50	18°♎26'51	-2.1m
min. Earth dist.	-320 Apr 21 j 18:52	15°♎40'54	0.50425 AU
desc. node	-320 May 07 j 19:43	11°♎14'38	
direct	-320 May 21 j 22:06	9°♎52'05	
	-320 Jul 22 j 18:58	0°♏	
	-320 Sep 08 j 02:38	0°♐	
	-320 Oct 19 j 10:53	0°♑	
	-320 Nov 28 j 07:30	0°♒	
	-319 Jan 07 j 11:01	0°♓	
	-319 Feb 17 j 20:51	0°♈	
asc. node	-319 Mar 07 j 20:56	12°♈40'01	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-319 Apr 02 j 00:58	0°♉		
evening set	-319 Apr 28 j 08:32	17°♉41'47		
	-319 May 16 j 23:40	0°♊		
conjunction	-319 Jun 17 j 11:17	20°♊27'31	0°52'07	
minimum elong	-319 Jun 17 j 09:55	20°♊25'20	0°52'07	
max. Earth dist.	-319 Jun 27 j 07:15	26°♊46'51	2.65585 AU	
	-319 Jul 02 j 07:45	0°♋		
morning rise	-319 Aug 03 j 02:18	20°♋15'45		
	-319 Aug 18 j 10:31	0°♌		
	-319 Oct 04 j 20:29	0°♍		
	-319 Nov 21 j 12:58	0°♎		
	-318 Jan 09 j 05:23	0°♏		
	-318 Mar 02 j 14:38	0°♐		
desc. node	-318 Mar 25 j 19:04	11°♐25'43		
retrograde	-318 May 18 j 07:02	25°♐36'28		
opposition	-318 Jun 17 j 18:14	20°♐30'02	-5°06'14	
greatest brilliancy	-318 Jun 18 j 10:06	20°♐19'09	-2.8m	
min. Earth dist.	-318 Jun 21 j 20:07	19°♐22'52	0.38665 AU	
direct	-318 Jul 19 j 09:41	14°♐54'39		
	-318 Sep 08 j 22:57	0°♑		
	-318 Oct 29 j 09:25	0°♒		
	-318 Dec 13 j 04:47	0°♓		
asc. node	-317 Jan 23 j 19:58	28°♓11'20		
	-317 Jan 26 j 12:35	0°♈		
	-317 Mar 12 j 16:25	0°♉		
	-317 Apr 27 j 22:43	0°♊		
evening set	-317 Jun 08 j 19:09	26°♊42'05		
	-317 Jun 13 j 23:44	0°♋		
max. Earth dist.	-317 Jul 20 j 15:20	23°♋18'02	2.67336 AU	
conjunction	-317 Jul 25 j 08:34	26°♋18'28	1°09'30	
minimum elong	-317 Jul 25 j 08:20	26°♋18'05	1°09'30	
	-317 Jul 31 j 03:26	0°♌		
morning rise	-317 Sep 08 j 00:19	24°♌59'03		
	-317 Sep 15 j 17:49	0°♍		
	-317 Oct 31 j 09:07	0°♎		
	-317 Dec 14 j 23:16	0°♏		
	-316 Jan 27 j 16:43	0°♐		
desc. node	-316 Feb 10 j 18:57	9°♐45'25		
	-316 Mar 11 j 00:04	0°♑		
	-316 Apr 24 j 04:15	0°♒		
	-316 Jun 13 j 13:47	0°♓		
retrograde	-316 Aug 01 j 04:29	13°♓59'31		
min. Earth dist.	-316 Aug 27 j 23:38	9°♓16'43	0.41546 AU	
greatest brilliancy	-316 Sep 03 j 01:58	7°♓21'16	-2.7m	
opposition	-316 Sep 04 j 06:13	6°♓58'50	-5°09'36	
direct	-316 Oct 05 j 05:08	1°♓10'16		
asc. node	-316 Dec 10 j 18:29	22°♓01'50		
	-316 Dec 25 j 23:33	0°♈		
	-315 Feb 16 j 00:50	0°♉		
	-315 Apr 06 j 11:38	0°♊		
	-315 May 25 j 03:10	0°♋		
	-315 Jul 11 j 22:10	0°♌		
evening set	-315 Jul 15 j 12:55	2°♌17'55		
max. Earth dist.	-315 Aug 12 j 19:48	20°♌29'02	2.63680 AU	
	-315 Aug 27 j 09:27	0°♍		
conjunction	-315 Aug 30 j 12:00	2°♍02'36	0°59'58	
minimum elong	-315 Aug 30 j 13:05	2°♍04'22	0°59'58	
	-315 Oct 11 j 04:26	0°♎		
morning rise	-315 Oct 15 j 09:29	2°♎52'59		
	-315 Nov 23 j 05:16	0°♏		
desc. node	-315 Dec 28 j 17:19	25°♏36'54		
	-314 Jan 03 j 16:51	0°♐		
	-314 Feb 13 j 00:41	0°♑		
	-314 Mar 24 j 20:27	0°♒		

	-314 May 04 j 05:30	0°♓		
	-314 Jun 16 j 03:28	0°♈		
	-314 Aug 07 j 06:43	0°♉		
retrograde	-314 Sep 21 j 04:52	11°♉42'44		
min. Earth dist.	-314 Oct 22 j 17:29	4°♉55'47	0.54223 AU	
asc. node	-314 Oct 28 j 18:04	2°♉37'14		
opposition	-314 Oct 29 j 19:08	2°♉13'08	0°02'57	
greatest brilliancy	-314 May 24 j 20:22	14°♓46'26	0.1m	
	-314 Nov 04 j 17:38	30°℞♈		
direct	-314 Dec 04 j 08:19	24°♈16'46		
	-313 Jan 05 j 18:01	0°♉		
	-313 Mar 12 j 17:33	0°♊		
	-313 May 04 j 15:21	0°♋		
	-313 Jun 23 j 01:57	0°♌		
	-313 Aug 09 j 00:37	0°♍		
evening set	-313 Aug 23 j 05:18	9°♍23'09		
max. Earth dist.	-313 Sep 09 j 21:18	21°♍17'32	2.54936 AU	
	-313 Sep 22 j 13:55	0°♎		
conjunction	-313 Oct 10 j 18:57	12°♎43'45	0°22'13	
minimum elong	-313 Oct 10 j 19:54	12°♎45'25	0°22'11	
	-313 Nov 03 j 21:28	0°♏		
desc. node	-313 Nov 15 j 16:22	8°♏36'49		
morning rise	-313 Dec 01 j 14:31	20°♏25'07		
	-313 Dec 14 j 08:39	0°♐		
	-312 Jan 22 j 13:14	0°♑		
	-312 Mar 01 j 04:50	0°♒		
	-312 Apr 09 j 04:34	0°♓		
	-312 May 19 j 13:39	0°♈		
	-312 Jul 01 j 20:07	0°♉		
	-312 Aug 20 j 13:33	0°♊		
asc. node	-312 Sep 14 j 17:23	12°♊03'26		
retrograde	-312 Oct 28 j 19:57	22°♊31'12		
min. Earth dist.	-312 Dec 04 j 07:23	13°♊59'07	0.63935 AU	
opposition	-312 Dec 07 j 20:30	12°♊33'49	3°06'04	
greatest brilliancy	-312 Dec 07 j 09:54	12°♊44'27	-1.5m	
direct	-311 Jan 15 j 15:58	3°♊23'02		
	-311 Apr 08 j 02:29	0°♋		
	-311 Jun 01 j 09:39	0°♌		
	-311 Jul 19 j 21:11	0°♍		
	-311 Sep 02 j 18:49	0°♎		
desc. node	-311 Oct 02 j 16:04	21°♎07'01		
evening set	-311 Oct 06 j 08:59	23°♎47'50		
	-311 Oct 14 j 21:08	0°♏		
max. Earth dist.	-311 Oct 23 j 16:37	6°♏29'42	2.42544 AU	
	-311 Nov 23 j 20:41	0°♐		
conjunction	-311 Dec 01 j 15:37	5°♐59'06	-0°37'25	
minimum elong	-311 Dec 01 j 13:23	5°♐54'48	0°37'24	
	-310 Jan 01 j 11:58	0°♑		
morning rise	-310 Feb 04 j 14:17	26°♑48'57		
	-310 Feb 08 j 15:33	0°♒		
	-310 Mar 19 j 04:49	0°♓		
	-310 Apr 28 j 00:41	0°♈		
	-310 Jun 08 j 23:56	0°♉		
	-310 Jul 24 j 03:51	0°♊		
asc. node	-310 Aug 02 j 15:04	5°♊56'04		
	-310 Sep 13 j 02:25	0°♋		
retrograde	-310 Dec 02 j 12:02	26°♋58'06		
opposition	-309 Jan 11 j 12:20	17°♋18'56	4°27'29	
greatest brilliancy	-309 Jan 11 j 12:03	17°♋19'12	-1.3m	
min. Earth dist.	-309 Jan 11 j 19:37	17°♋11'39	0.67586 AU	
direct	-309 Feb 21 j 07:13	7°♋28'44		
	-309 May 05 j 22:13	0°♌		
	-309 Jun 28 j 13:45	0°♍		
	-309 Aug 13 j 22:13	0°♎		
desc. node	-309 Aug 20 j 14:50	4°♎34'56		

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-309 Sep 25 j 08:45	0°♏		
	-309 Nov 04 j 06:38	0°♐		
evening set	-309 Dec 05 j 04:22	24°♐03'34		
	-309 Dec 12 j 17:29	0°♑		
	-308 Jan 19 j 17:28	0°♒		
conjunction	-308 Feb 09 j 22:58	16°♒38'11	-1°03'17	
minimum elong	-308 Feb 10 j 00:37	16°♒41'23	1°03'16	
	-308 Feb 27 j 05:20	0°♓		
max. Earth dist.	-308 Mar 31 j 13:17	25°♓12'16	2.41066 AU	
	-308 Apr 07 j 00:49	0°♈		
morning rise	-308 Apr 17 j 15:15	7°♈45'49		
	-308 May 18 j 19:33	0°♉		
asc. node	-308 Jun 19 j 14:28	21°♉44'59		
	-308 Jul 02 j 00:39	0°♊		
	-308 Aug 18 j 05:03	0°♋		
	-308 Oct 09 j 05:12	0°♌		
	-308 Dec 27 j 03:13	0°♍		
retrograde	-307 Jan 06 j 08:40	0°♍37'07		
	-307 Jan 16 j 06:23	30°℞♌		
opposition	-307 Feb 14 j 05:52	21°♌39'32	4°27'34	
greatest brilliancy	-307 Feb 14 j 20:48	21°♌25'00	-1.4m	
min. Earth dist.	-307 Feb 18 j 10:17	20°♌01'43	0.64668 AU	
direct	-307 Mar 27 j 15:00	11°♌38'12		
	-307 May 29 j 16:55	0°♍		
desc. node	-307 Jul 07 j 13:01	21°♍30'31		
	-307 Jul 21 j 03:28	0°♎		
	-307 Sep 03 j 05:54	0°♏		
	-307 Oct 13 j 17:14	0°♐		
	-307 Nov 21 j 09:41	0°♑		
	-307 Dec 29 j 14:18	0°♒		
	-306 Feb 06 j 08:21	0°♓		
evening set	-306 Feb 12 j 13:49	4°♓44'13		
	-306 Mar 18 j 11:33	0°♈		
conjunction	-306 Apr 15 j 04:07	19°♈55'09	-0°13'45	
minimum elong	-306 Apr 15 j 04:59	19°♈56'41	0°13'43	
behind sun begin	-306 Apr 14 j 16:35	19°♈34'45		
behind sun end	-306 Apr 15 j 17:23	20°♈18'36		
	-306 Apr 29 j 12:54	0°♉		
asc. node	-306 May 07 j 14:30	5°♉35'11		
max. Earth dist.	-306 May 20 j 10:18	14°♉22'01	2.54205 AU	
morning rise	-306 Jun 09 j 23:44	28°♉11'14		
	-306 Jun 12 j 17:13	0°♊		
	-306 Jul 28 j 23:06	0°♋		
	-306 Sep 15 j 07:23	0°♌		
	-306 Nov 05 j 21:14	0°♍		
	-305 Jan 07 j 19:55	0°♎		
retrograde	-305 Feb 18 j 01:46	8°♎26'26		
opposition	-305 Mar 26 j 11:09	0°♎39'24	2°42'21	
greatest brilliancy	-305 Mar 27 j 06:35	0°♎21'34	-1.9m	
	-305 Mar 28 j 06:01	30°℞♍		
min. Earth dist.	-305 Apr 03 j 02:05	27°♍51'42	0.55405 AU	
direct	-305 May 05 j 10:23	21°♍14'46		
desc. node	-305 May 25 j 12:00	23°♍45'52		
	-305 Jun 13 j 16:26	0°♎		
	-305 Aug 07 j 22:39	0°♏		
	-305 Sep 20 j 05:01	0°♐		
	-305 Oct 30 j 03:55	0°♑		
	-305 Dec 08 j 05:14	0°♒		
	-304 Jan 16 j 17:55	0°♓		
	-304 Feb 26 j 15:13	0°♈		
asc. node	-304 Mar 24 j 12:43	19°♈02'26		
evening set	-304 Apr 09 j 23:05	0°♉24'29		
	-304 Apr 09 j 08:48	0°♉		
	-304 May 23 j 23:56	0°♊		
conjunction	-304 Jun 01 j 10:46	5°♊33'23	0°38'16	
minimum elong	-304 Jun 01 j 09:23	5°♊31'07	0°38'15	
max. Earth dist.	-304 Jun 17 j 14:36	16°♊05'17	2.63418 AU	
	-304 Jul 09 j 04:38	0°♋		
morning rise	-304 Jul 19 j 18:12	6°♋45'20		
	-304 Aug 25 j 10:50	0°♌		
	-304 Oct 12 j 11:47	0°♍		
	-304 Nov 30 j 17:35	0°♎		
	-303 Jan 22 j 11:24	0°♏		
desc. node	-303 Apr 11 j 11:02	28°♏54'15		
retrograde	-303 Apr 17 j 14:35	29°♏08'03		
opposition	-303 May 19 j 19:26	23°♏17'49	-2°18'58	
greatest brilliancy	-303 May 20 j 09:55	23°♏06'43	-2.6m	
min. Earth dist.	-303 May 27 j 06:07	21°♏01'45	0.42462 AU	
direct	-303 Jun 23 j 11:11	16°♏21'27		
	-303 Aug 10 j 20:04	0°♐		
	-303 Sep 29 j 16:52	0°♑		
	-303 Nov 11 j 16:09	0°♒		
	-303 Dec 23 j 16:11	0°♓		
	-302 Feb 04 j 09:55	0°♈		
asc. node	-302 Feb 09 j 11:17	3°♈29'27		
	-302 Mar 20 j 13:24	0°♉		
	-302 May 05 j 04:20	0°♊		
evening set	-302 May 24 j 09:51	12°♊24'57		
	-302 Jun 20 j 20:53	0°♋		
conjunction	-302 Jul 10 j 23:23	12°♋49'00	1°05'54	
minimum elong	-302 Jul 10 j 22:37	12°♋47'46	1°05'55	
max. Earth dist.	-302 Jul 11 j 15:33	13°♋14'44	2.67304 AU	
	-302 Aug 06 j 22:38	0°♌		
morning rise	-302 Aug 25 j 00:42	11°♌33'06		
	-302 Sep 22 j 18:20	0°♍		
	-302 Nov 07 j 23:46	0°♎		
	-302 Dec 23 j 15:54	0°♏		
	-301 Feb 07 j 04:24	0°♐		
desc. node	-301 Feb 27 j 10:26	13°♐14'00		
	-301 Mar 25 j 15:07	0°♑		
	-301 May 16 j 22:01	0°♒		
retrograde	-301 Jul 06 j 16:54	14°♒22'19		
min. Earth dist.	-301 Aug 02 j 23:12	9°♒54'11	0.38226 AU	
greatest brilliancy	-301 Aug 06 j 06:32	8°♒59'17	-2.9m	
opposition	-301 Aug 07 j 02:14	8°♒45'35	-6°44'13	
direct	-301 Sep 05 j 18:38	3°♒42'32		
	-301 Nov 19 j 23:31	0°♓		
asc. node	-301 Dec 28 j 10:39	22°♓31'10		
	-300 Jan 09 j 15:16	0°♈		
	-300 Feb 26 j 15:26	0°♉		
	-300 Apr 14 j 10:35	0°♊		
	-300 Jun 01 j 07:12	0°♋		
evening set	-300 Jun 30 j 23:55	18°♋42'49		
	-300 Jul 18 j 18:26	0°♌		
max. Earth dist.	-300 Aug 03 j 05:50	9°♌54'03	2.65763 AU	
conjunction	-300 Aug 15 j 20:12	18°♌01'28	1°06'56	
minimum elong	-300 Aug 15 j 20:50	18°♌02'29	1°06'57	
	-300 Sep 03 j 05:45	0°♍		
morning rise	-300 Sep 29 j 19:41	17°♍34'33		
	-300 Oct 18 j 06:59	0°♎		
	-300 Nov 30 j 19:24	0°♏		
	-299 Jan 11 j 22:38	0°♐		
desc. node	-299 Jan 14 j 10:31	1°♐48'10		
	-299 Feb 22 j 01:09	0°♑		
	-299 Apr 03 j 19:03	0°♒		
	-299 May 15 j 13:46	0°♓		
	-299 Jul 01 j 03:31	0°♈		
retrograde	-299 Sep 03 j 13:06	22°♈17'43		
min. Earth dist.	-299 Oct 02 j 21:39	16°♈21'38	0.49234 AU	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

opposition	-299 Oct 10 j 21:31	13°♈26'33	-1°45'27
greatest brilliancy	-299 Oct 10 j 10:01	13°♈37'04	-2.2m
direct	-299 Nov 13 j 18:13	6°♈13'49	
asc. node	-299 Nov 14 j 09:07	6°♈13'58	
	-298 Jan 27 j 00:49	0°♉	
	-298 Mar 22 j 22:56	0°♊	
	-298 May 12 j 14:51	0°♋	
	-298 Jun 30 j 05:57	0°♌	
evening set	-298 Aug 07 j 18:25	24°♌38'51	
	-298 Aug 15 j 22:44	0°♍	
max. Earth dist.	-298 Aug 29 j 04:06	8°♍44'42	2.58946 AU
conjunction	-298 Sep 23 j 19:46	26°♍03'49	0°40'14
minimum elong	-298 Sep 23 j 21:04	26°♍06'03	0°40'13
	-298 Sep 29 j 13:23	0°♎	
morning rise	-298 Nov 11 j 12:47	0°♏18'06	
	-298 Nov 11 j 02:45	0°♏	
desc. node	-298 Dec 02 j 09:09	15°♏29'40	
	-298 Dec 21 j 22:00	0°♐	
	-297 Jan 30 j 11:15	0°♑	
	-297 Mar 10 j 10:53	0°♒	
	-297 Apr 18 j 18:39	0°♓	
	-297 May 29 j 16:08	0°♈	
	-297 Jul 13 j 07:13	0°♉	
	-297 Sep 08 j 07:02	0°♊	
asc. node	-297 Oct 02 j 08:05	6°♊52'36	
retrograde	-297 Oct 15 j 15:56	8°♊01'49	
min. Earth dist.	-297 Nov 19 j 08:02	0°♊06'23	0.60786 AU
	-297 Nov 19 j 14:30	30°℞♉	
opposition	-297 Nov 24 j 08:10	28°♉06'56	2°09'47
greatest brilliancy	-297 Nov 23 j 21:44	28°♉17'18	-1.6m
direct	-296 Jan 01 j 00:33	19°♉20'00	
	-296 Feb 16 j 23:23	0°♊	
	-296 Apr 18 j 18:42	0°♋	
	-296 Jun 09 j 11:23	0°♌	
	-296 Jul 27 j 04:39	0°♍	
	-296 Sep 09 j 21:41	0°♎	
evening set	-296 Sep 17 j 14:04	5°♎20'39	
max. Earth dist.	-296 Oct 02 j 06:45	15°♎43'18	2.47620 AU
desc. node	-296 Oct 19 j 07:37	28°♎00'01	
	-296 Oct 22 j 01:22	0°♏	
conjunction	-296 Nov 09 j 01:15	13°♏17'24	-0°13'23
minimum elong	-296 Nov 09 j 00:29	13°♏15'58	0°13'22
behind sun begin	-296 Nov 08 j 10:52	12°♏50'36	
behind sun end	-296 Nov 09 j 14:06	13°♏41'22	
	-296 Dec 01 j 04:49	0°♐	
morning rise	-295 Jan 07 j 03:42	28°♐32'20	
	-295 Jan 09 j 00:37	0°♑	
	-295 Feb 16 j 07:57	0°♒	
greatest brilliancy	-295 Feb 23 j 18:04	5°♒48'07	1.2m
	-295 Mar 26 j 23:50	0°♓	
	-295 May 05 j 22:20	0°♈	
	-295 Jun 17 j 03:49	0°♉	
	-295 Aug 02 j 05:43	0°♊	
asc. node	-295 Aug 19 j 07:52	10°♊09'56	
	-295 Sep 26 j 12:50	0°♋	
retrograde	-295 Nov 19 j 04:04	14°♋07'11	
min. Earth dist.	-295 Dec 28 j 02:06	4°♋46'59	0.66919 AU
opposition	-295 Dec 29 j 07:19	4°♋17'41	4°05'55
greatest brilliancy	-295 Dec 29 j 01:45	4°♋23'15	-1.3m
	-294 Jan 09 j 11:42	30°℞♊	
direct	-294 Feb 07 j 11:00	24°♊39'35	
	-294 Mar 11 j 11:31	0°♋	
	-294 May 17 j 04:33	0°♌	
	-294 Jul 06 j 23:42	0°♍	
	-294 Aug 21 j 14:14	0°♎	
desc. node	-294 Sep 06 j 06:49	10°♎54'37	
	-294 Oct 02 j 19:59	0°♏	
evening set	-294 Nov 09 j 17:07	28°♏27'03	
	-294 Nov 11 j 17:33	0°♐	
	-294 Dec 20 j 05:21	0°♑	
conjunction	-293 Jan 12 j 04:47	18°♑07'52	-1°03'39
minimum elong	-293 Jan 12 j 03:22	18°♑05'03	1°03'39
max. Earth dist.	-293 Jan 23 j 21:48	27°♑22'11	2.37271 AU
	-293 Jan 27 j 05:55	0°♒	
	-293 Mar 06 j 17:23	0°♓	
morning rise	-293 Mar 23 j 01:07	12°♓27'52	
	-293 Apr 15 j 11:51	0°♈	
	-293 May 27 j 06:16	0°♉	
asc. node	-293 Jul 07 j 06:42	27°♉47'09	
	-293 Jul 10 j 15:53	0°♊	
	-293 Aug 27 j 16:24	0°♋	
	-293 Oct 22 j 09:48	0°♌	
retrograde	-293 Dec 23 j 23:44	17°♌31'49	
opposition	-292 Feb 01 j 10:41	8°♌15'18	4°37'27
greatest brilliancy	-292 Feb 01 j 19:49	8°♌06'17	-1.3m
min. Earth dist.	-292 Feb 04 j 02:36	7°♌12'15	0.66593 AU
	-292 Feb 26 j 06:28	30°℞♋	
direct	-292 Mar 13 j 18:29	28°♋14'29	
	-292 Mar 31 j 05:04	0°♌	
	-292 Jun 11 j 11:23	0°♍	
desc. node	-292 Jul 24 j 05:50	26°♍00'03	
	-292 Jul 30 j 08:15	0°♎	
	-292 Sep 11 j 13:15	0°♏	
	-292 Oct 21 j 17:00	0°♐	
	-292 Nov 29 j 05:49	0°♑	
	-291 Jan 06 j 07:15	0°♒	
evening set	-291 Jan 16 j 16:41	8°♒09'00	
	-291 Feb 13 j 21:28	0°♓	
conjunction	-291 Mar 23 j 01:47	27°♓57'39	-0°36'58
minimum elong	-291 Mar 23 j 04:12	28°♓02'07	0°36'56
	-291 Mar 25 j 20:18	0°♈	
max. Earth dist.	-291 May 05 j 17:40	29°♈18'20	2.49338 AU
	-291 May 06 j 17:32	0°♉	
morning rise	-291 May 22 j 08:08	10°♉47'34	
asc. node	-291 May 24 j 05:28	12°♉05'08	
	-291 Jun 19 j 20:15	0°♊	
	-291 Aug 05 j 06:56	0°♋	
	-291 Sep 23 j 12:38	0°♌	
	-291 Nov 17 j 09:19	0°♍	
retrograde	-290 Jan 31 j 03:57	23°♍00'40	
opposition	-290 Mar 09 j 17:21	14°♍41'31	3°39'35
greatest brilliancy	-290 Mar 10 j 13:56	14°♍22'01	-1.6m
min. Earth dist.	-290 Mar 16 j 03:07	12°♍16'02	0.59719 AU
direct	-290 Apr 19 j 13:19	4°♍53'56	
desc. node	-290 Jun 11 j 03:45	19°♍02'53	
	-290 Jul 02 j 10:28	0°♎	
	-290 Aug 19 j 03:04	0°♏	
	-290 Sep 29 j 18:19	0°♐	
	-290 Nov 08 j 00:20	0°♑	
	-290 Dec 16 j 14:28	0°♒	
	-289 Jan 24 j 17:21	0°♓	
	-289 Mar 06 j 05:27	0°♈	
evening set	-289 Mar 21 j 14:25	11°♈02'50	
asc. node	-289 Apr 11 j 05:05	25°♈33'33	
	-289 Apr 17 j 14:44	0°♉	
conjunction	-289 May 16 j 03:55	19°♉26'44	0°20'36
minimum elong	-289 May 16 j 02:57	19°♉25'06	0°20'36
	-289 May 31 j 23:55	0°♊	
max. Earth dist.	-289 Jun 08 j 05:16	4°♊46'05	2.60422 AU

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

morning rise	-289 Jul 05 j 18:43	22°♊42'45		
	-289 Jul 17 j 03:01	0°♋		
	-289 Sep 02 j 15:46	0°♌		
	-289 Oct 21 j 14:54	0°♍		
	-289 Dec 12 j 09:54	0°♎		
	-288 Feb 14 j 07:38	0°♏		
retrograde	-288 Mar 22 j 11:27	7°♏06'22		
opposition	-288 Apr 25 j 11:19	0°♏24'54	0°08'52	
greatest brilliancy	-285 May 28 j 08:24	22°♊25'43	1.8m	
	-288 Apr 26 j 16:47	30°℞♎		
desc. node	-288 Apr 28 j 03:41	29°♎30'24		
min. Earth dist.	-288 May 03 j 21:57	27°♎34'43	0.47491 AU	
direct	-288 Jun 01 j 19:31	22°♎12'48		
	-288 Jul 07 j 13:01	0°♏		
	-288 Aug 30 j 20:46	0°♐		
	-288 Oct 12 j 17:33	0°♑		
	-288 Nov 22 j 07:40	0°♒		
	-287 Jan 01 j 22:36	0°♓		
	-287 Feb 12 j 17:12	0°♈		
asc. node	-287 Feb 26 j 03:07	9°♈23'45		
	-287 Mar 28 j 03:45	0°♉		
evening set	-287 May 08 j 03:53	27°♉17'40		
	-287 May 12 j 07:03	0°♊		
conjunction	-287 Jun 26 j 04:55	29°♊01'57	0°58'19	
minimum elong	-287 Jun 26 j 03:43	29°♊00'02	0°58'19	
	-287 Jun 27 j 17:11	0°♋		
max. Earth dist.	-287 Jul 02 j 17:06	3°♋11'46	2.66438 AU	
morning rise	-287 Aug 11 j 02:54	28°♋18'17		
	-287 Aug 13 j 18:53	0°♌		
	-287 Sep 29 j 22:50	0°♍		
	-287 Nov 16 j 00:29	0°♎		
	-286 Jan 02 j 08:31	0°♏		
	-286 Feb 20 j 04:34	0°♐		
desc. node	-286 Mar 16 j 03:42	13°♐48'15		
	-286 Apr 17 j 01:06	0°♑		
retrograde	-286 Jun 05 j 09:31	12°♑48'46		
opposition	-286 Jul 05 j 15:42	7°♑50'05	-6°19'02	
greatest brilliancy	-286 Jul 05 j 21:11	7°♑46'27	-2.9m	
min. Earth dist.	-286 Jul 06 j 19:52	7°♑31'21	0.37607 AU	
direct	-286 Aug 04 j 22:17	2°♑44'37		
	-286 Oct 18 j 13:49	0°♒		
	-286 Dec 05 j 16:30	0°♓		
asc. node	-285 Jan 14 j 01:24	25°♓49'31		
	-285 Jan 20 j 09:45	0°♈		
	-285 Mar 07 j 07:35	0°♉		
	-285 Apr 23 j 00:34	0°♊		
	-285 Jun 09 j 07:27	0°♋		
evening set	-285 Jun 17 j 08:56	5°♋06'15		
max. Earth dist.	-285 Jul 25 j 22:32	29°♋36'16	2.67011 AU	
	-285 Jul 26 j 13:24	0°♌		
conjunction	-285 Aug 02 j 13:08	4°♌28'00	1°09'44	
minimum elong	-285 Aug 02 j 13:13	4°♌28'08	1°09'44	
	-285 Sep 11 j 02:30	0°♍		
morning rise	-285 Sep 16 j 04:00	3°♍18'21		
	-285 Oct 26 j 12:14	0°♎		
	-285 Dec 09 j 16:15	0°♏		
	-284 Jan 21 j 17:45	0°♐		
desc. node	-284 Feb 01 j 02:22	7°♐18'27		
	-284 Mar 04 j 01:36	0°♑		
	-284 Apr 15 j 12:32	0°♒		
	-284 May 30 j 16:45	0°♓		
retrograde	-284 Aug 14 j 04:02	29°♓13'57		
min. Earth dist.	-284 Sep 10 j 14:38	24°♓08'58	0.44093 AU	
opposition	-284 Sep 18 j 14:47	21°♓27'39	-3°55'04	
greatest brilliancy	-284 Sep 17 j 14:25	21°♓48'10	-2.5m	
direct	-284 Oct 20 j 12:55	15°♓08'17		
asc. node	-284 Dec 01 j 01:26	24°♓24'29		
	-284 Dec 14 j 05:52	0°♈		
	-283 Feb 09 j 02:56	0°♉		
	-283 Mar 31 j 22:57	0°♊		
	-283 May 20 j 04:40	0°♋		
	-283 Jul 07 j 06:08	0°♌		
evening set	-283 Jul 23 j 22:06	10°♌36'47		
max. Earth dist.	-283 Aug 18 j 15:09	27°♌15'31	2.62211 AU	
	-283 Aug 22 j 19:30	0°♍		
conjunction	-283 Sep 08 j 02:58	10°♍47'37	0°53'58	
minimum elong	-283 Sep 08 j 04:13	10°♍49'41	0°53'58	
	-283 Oct 06 j 13:02	0°♎		
morning rise	-283 Oct 24 j 18:52	12°♎36'51		
	-283 Nov 18 j 09:47	0°♏		
desc. node	-283 Dec 19 j 01:09	22°♏11'59		
	-283 Dec 29 j 15:03	0°♐		
	-282 Feb 07 j 15:30	0°♑		
	-282 Mar 19 j 02:38	0°♒		
	-282 Apr 27 j 23:48	0°♓		
	-282 Jun 08 j 21:08	0°♈		
	-282 Jul 26 j 14:48	0°♉		
retrograde	-282 Sep 30 j 11:36	22°♉04'18		
asc. node	-282 Oct 19 j 01:02	19°♉34'52		
min. Earth dist.	-282 Nov 02 j 04:23	14°♉50'55	0.56767 AU	
opposition	-282 Nov 08 j 13:06	12°♉21'50	0°55'18	
greatest brilliancy	-282 Nov 08 j 07:19	12°♉27'29	-1.8m	
direct	-282 Dec 14 j 21:31	4°♉05'15		
	-281 Mar 04 j 23:48	0°♊		
	-281 Apr 28 j 23:50	0°♋		
	-281 Jun 18 j 02:46	0°♌		
	-281 Aug 04 j 07:52	0°♍		
evening set	-281 Sep 01 j 10:49	18°♍42'34		
	-281 Sep 17 j 22:51	0°♎		
max. Earth dist.	-281 Sep 17 j 14:51	29°♍46'11	2.52483 AU	
conjunction	-281 Oct 21 j 03:33	23°♎25'30	0°10'05	
minimum elong	-281 Oct 21 j 04:02	23°♎26'22	0°10'04	
behind sun begin	-281 Oct 20 j 10:39	22°♎55'07		
behind sun end	-281 Oct 21 j 21:25	23°♎57'39		
	-281 Oct 30 j 05:34	0°♏		
desc. node	-281 Nov 06 j 00:11	4°♏57'01		
	-281 Dec 09 j 14:09	0°♐		
morning rise	-281 Dec 14 j 04:10	3°♐28'45		
	-280 Jan 17 j 15:31	0°♑		
	-280 Feb 25 j 03:38	0°♒		
	-280 Apr 03 j 23:27	0°♓		
	-280 May 14 j 02:57	0°♈		
	-280 Jun 25 j 20:22	0°♉		
	-280 Aug 12 j 15:43	0°♊		
asc. node	-280 Sep 04 j 23:17	12°♊31'34		
	-280 Oct 24 j 22:35	0°♋		
retrograde	-280 Nov 05 j 17:41	0°♋52'20		
	-280 Nov 17 j 01:11	30°℞♊		
min. Earth dist.	-280 Dec 13 j 02:56	22°♊01'48	0.65269 AU	
opposition	-280 Dec 15 j 20:07	20°♊56'19	3°32'04	
greatest brilliancy	-280 Dec 15 j 10:42	21°♊05'47	-1.4m	
direct	-279 Jan 24 j 03:59	11°♊34'33		
	-279 Mar 30 j 16:44	0°♋		
	-279 May 26 j 15:42	0°♌		
	-279 Jul 14 j 20:15	0°♍		
	-279 Aug 28 j 23:42	0°♎		
desc. node	-279 Sep 22 j 22:49	17°♎32'23		
	-279 Oct 10 j 03:42	0°♏		
evening set	-279 Oct 18 j 01:36	5°♏49'47		
max. Earth dist.	-279 Nov 10 j 05:10	23°♏12'06	2.39937 AU	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-279 Nov 19 j 02:53	0°♐	
conjunction	-279 Dec 15 j 19:51	20°♐41'13	-0°49'37
minimum elong	-279 Dec 15 j 17:12	20°♐36'02	0°49'36
	-279 Dec 27 j 17:09	0°♑	
	-278 Feb 03 j 19:34	0°♒	
morning rise	-278 Feb 21 j 11:53	13°♒51'23	
	-278 Mar 14 j 07:35	0°♓	
	-278 Apr 23 j 01:57	0°♈	
	-278 Jun 03 j 21:42	0°♉	
	-278 Jul 18 j 15:49	0°♊	
asc. node	-278 Jul 23 j 22:30	3°♊22'40	
	-278 Sep 06 j 02:51	0°♋	
	-278 Nov 10 j 19:13	0°♌	
retrograde	-278 Dec 10 j 06:00	4°♌44'06	
	-277 Jan 06 j 07:37	30℞♋	
opposition	-277 Jan 19 j 02:13	25°♋12'05	4°34'35
greatest brilliancy	-277 Jan 19 j 05:14	25°♋09'04	-1.3m
min. Earth dist.	-277 Jan 20 j 05:43	24°♋44'42	0.67510 AU
direct	-277 Mar 01 j 02:43	15°♋16'49	
	-277 Apr 26 j 19:46	0°♌	
	-277 Jun 22 j 15:22	0°♍	
	-277 Aug 08 j 17:23	0°♎	
desc. node	-277 Aug 10 j 22:01	1°♎28'51	
	-277 Sep 20 j 09:58	0°♏	
	-277 Oct 30 j 09:45	0°♐	
	-277 Dec 07 j 21:09	0°♑	
evening set	-277 Dec 20 j 17:00	10°♑07'26	
	-276 Jan 14 j 21:21	0°♒	
	-276 Feb 22 j 09:27	0°♓	
conjunction	-276 Feb 25 j 22:04	2°♓42'17	-0°56'27
minimum elong	-276 Feb 26 j 00:47	2°♓47'29	0°56'26
	-276 Apr 02 j 05:24	0°♈	
max. Earth dist.	-276 Apr 16 j 01:16	10°♈06'16	2.44031 AU
morning rise	-276 May 01 j 02:40	20°♈54'42	
	-276 May 13 j 23:56	0°♉	
asc. node	-276 Jun 09 j 21:38	18°♉29'52	
	-276 Jun 27 j 02:38	0°♊	
	-276 Aug 12 j 21:52	0°♋	
	-276 Oct 02 j 13:44	0°♌	
	-276 Dec 03 j 19:47	0°♍	
retrograde	-275 Jan 15 j 00:13	8°♍48'28	
opposition	-275 Feb 22 j 11:23	0°♍03'06	4°14'47
	-275 Feb 22 j 14:36	30℞♌	
greatest brilliancy	-275 Feb 23 j 04:57	29°♌46'07	-1.5m
min. Earth dist.	-275 Feb 27 j 11:16	28°♌07'14	0.63188 AU
direct	-275 Apr 04 j 17:58	20°♌04'04	
	-275 May 18 j 12:26	0°♍	
desc. node	-275 Jun 27 j 21:19	20°♍00'56	
	-275 Jul 14 j 15:26	0°♎	
	-275 Aug 28 j 16:23	0°♏	
	-275 Oct 08 j 11:37	0°♐	
	-275 Nov 16 j 07:50	0°♑	
	-275 Dec 24 j 14:47	0°♒	
	-274 Feb 01 j 10:43	0°♓	
evening set	-274 Feb 26 j 18:32	19°♓02'37	
	-274 Mar 13 j 15:52	0°♈	
	-274 Apr 24 j 18:51	0°♉	
conjunction	-274 Apr 27 j 02:29	1°♉36'32	-0°00'27
minimum elong	-274 Apr 27 j 02:27	1°♉36'30	0°00'26
behind sun begin	-274 Apr 26 j 03:11	0°♉56'08	
behind sun end	-274 Apr 28 j 01:44	2°♉16'48	
asc. node	-274 Apr 27 j 19:56	2°♉06'45	
max. Earth dist.	-274 May 27 j 18:28	22°♉30'52	2.56642 AU
	-274 Jun 07 j 23:48	0°♊	

morning rise	-274 Jun 19 j 19:12	7°♊47'33	
	-274 Jul 24 j 03:21	0°♋	
	-274 Sep 10 j 02:27	0°♌	
	-274 Oct 30 j 11:01	0°♍	
	-274 Dec 26 j 03:36	0°♎	
retrograde	-273 Mar 01 j 07:30	18°♎26'49	
opposition	-273 Apr 05 j 21:56	11°♎00'38	1°56'18
greatest brilliancy	-273 Apr 06 j 13:30	10°♎46'41	-2.0m
min. Earth dist.	-273 Apr 14 j 00:10	8°♎06'41	0.52723 AU
direct	-273 May 15 j 03:14	1°♎55'42	
desc. node	-273 May 15 j 19:42	1°♎55'54	
	-273 Jul 30 j 11:21	0°♏	
	-273 Sep 13 j 15:07	0°♐	
	-273 Oct 24 j 06:45	0°♑	
	-273 Dec 02 j 17:32	0°♒	
	-272 Jan 11 j 12:52	0°♓	
	-272 Feb 21 j 15:35	0°♈	
asc. node	-272 Mar 14 j 18:59	15°♈38'52	
	-272 Apr 04 j 13:23	0°♉	
evening set	-272 Apr 20 j 16:05	10°♉56'08	
	-272 May 19 j 07:28	0°♊	
conjunction	-272 Jun 10 j 18:19	14°♊40'03	0°46'48
minimum elong	-272 Jun 10 j 16:54	14°♊37'46	0°46'47
max. Earth dist.	-272 Jun 23 j 08:46	22°♊48'51	2.64723 AU
	-272 Jul 04 j 13:03	0°♋	
morning rise	-272 Jul 28 j 01:22	15°♋00'39	
	-272 Aug 20 j 16:48	0°♌	
	-272 Oct 07 j 08:35	0°♍	
	-272 Nov 24 j 15:12	0°♎	
	-271 Jan 13 j 17:05	0°♏	
	-271 Mar 11 j 22:55	0°♐	
desc. node	-271 Apr 01 j 18:52	8°♐05'23	
retrograde	-271 May 04 j 10:57	13°♐54'05	
opposition	-271 Jun 04 j 13:12	8°♐31'08	-3°55'07
greatest brilliancy	-271 Jun 05 j 07:40	8°♐17'52	-2.7m
min. Earth dist.	-271 Jun 10 j 11:21	6°♐49'15	0.40115 AU
direct	-271 Jul 07 j 13:02	2°♐21'31	
	-271 Sep 19 j 03:32	0°♑	
	-271 Nov 04 j 01:17	0°♒	
	-271 Dec 17 j 08:08	0°♓	
	-270 Jan 29 j 19:52	0°♈	
asc. node	-270 Jan 30 j 18:14	0°♈38'08	
	-270 Mar 15 j 10:50	0°♉	
	-270 Apr 30 j 09:02	0°♊	
evening set	-270 Jun 02 j 07:43	21°♊07'57	
	-270 Jun 16 j 05:30	0°♋	
max. Earth dist.	-270 Jul 16 j 22:41	19°♋32'56	2.67425 AU
conjunction	-270 Jul 19 j 06:37	21°♋01'57	1°08'28
minimum elong	-270 Jul 19 j 06:08	21°♋01'12	1°08'28
	-270 Aug 02 j 08:14	0°♌	
morning rise	-270 Sep 02 j 01:02	19°♌40'13	
	-270 Sep 18 j 01:08	0°♍	
	-270 Nov 02 j 22:43	0°♎	
	-270 Dec 17 j 23:57	0°♏	
	-269 Jan 31 j 10:10	0°♐	
desc. node	-269 Feb 17 j 18:43	11°♐45'35	
	-269 Mar 16 j 20:02	0°♑	
	-269 May 02 j 04:10	0°♒	
	-269 Jul 05 j 09:51	0°♓	
retrograde	-269 Jul 22 j 05:26	1°♓56'29	
	-269 Aug 08 j 01:14	30℞♒	
min. Earth dist.	-269 Aug 17 j 21:46	27°♒25'57	0.39785 AU
greatest brilliancy	-269 Aug 22 j 23:02	25°♒55'41	-2.8m
opposition	-269 Aug 24 j 02:11	25°♒35'20	-6°00'12
direct	-269 Sep 23 j 09:07	20°♒10'16	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-269 Nov 04 j 13:23	0°♓	
asc. node	-269 Dec 18 j 17:03	22°♓01'30	
	-268 Jan 01 j 15:57	0°♈	
	-268 Feb 20 j 14:14	0°♉	
	-268 Apr 09 j 05:26	0°♊	
	-268 May 27 j 11:52	0°♋	
evening set	-268 Jul 09 j 08:12	26°♋56'43	
	-268 Jul 14 j 03:34	0°♌	
max. Earth dist.	-268 Aug 08 j 18:41	16°♌25'26	2.64712 AU
conjunction	-268 Aug 24 j 04:43	26°♌26'11	1°03'23
minimum elong	-268 Aug 24 j 05:36	26°♌27'39	1°03'23
	-268 Aug 29 j 15:28	0°♍	
morning rise	-268 Oct 08 j 14:27	26°♍37'17	
	-268 Oct 13 j 13:53	0°♎	
	-268 Nov 25 j 20:35	0°♏	
desc. node	-267 Jan 04 j 17:13	28°♏35'54	
	-267 Jan 06 j 15:22	0°♐	
	-267 Feb 16 j 07:20	0°♑	
	-267 Mar 28 j 11:43	0°♒	
	-267 May 08 j 07:55	0°♓	
	-267 Jun 21 j 07:03	0°♈	
	-267 Aug 19 j 19:06	0°♉	
retrograde	-267 Sep 13 j 21:36	4°♉07'08	
	-267 Oct 07 j 20:24	30°℞♈	
min. Earth dist.	-267 Oct 14 j 10:43	27°♈42'09	0.52035 AU
opposition	-267 Oct 21 j 23:28	24°♈51'59	-0°40'15
greatest brilliancy	-267 Oct 21 j 19:16	24°♈55'57	-2.1m
asc. node	-267 Nov 04 j 16:10	20°♈13'25	
direct	-267 Nov 25 j 19:04	17°♈13'51	
	-266 Jan 15 j 20:58	0°♉	
	-266 Mar 16 j 12:03	0°♊	
	-266 May 07 j 08:25	0°♋	
	-266 Jun 25 j 10:46	0°♌	
	-266 Aug 11 j 07:46	0°♍	
evening set	-266 Aug 16 j 12:14	3°♍24'38	
max. Earth dist.	-266 Sep 04 j 19:26	16°♍16'32	2.56804 AU
	-266 Sep 24 j 22:36	0°♎	
conjunction	-266 Oct 03 j 07:48	5°♎48'29	0°30'20
minimum elong	-266 Oct 03 j 08:58	5°♎50'30	0°30'19
	-266 Nov 06 j 09:43	0°♏	
morning rise	-266 Nov 22 j 14:42	11°♏49'27	
desc. node	-266 Nov 22 j 16:06	11°♏52'01	
	-266 Dec 17 j 01:04	0°♐	
	-265 Jan 25 j 09:47	0°♑	
	-265 Mar 05 j 04:52	0°♒	
	-265 Apr 13 j 07:14	0°♓	
	-265 May 23 j 19:53	0°♈	
	-265 Jul 06 j 11:35	0°♉	
	-265 Aug 27 j 01:18	0°♊	
asc. node	-265 Sep 22 j 15:34	11°♊11'40	
retrograde	-265 Oct 23 j 21:42	16°♊54'12	
min. Earth dist.	-265 Nov 28 j 13:56	8°♊37'46	0.62642 AU
opposition	-265 Dec 02 j 18:38	6°♊57'00	2°44'33
greatest brilliancy	-265 Dec 02 j 07:34	7°♊08'04	-1.5m
	-265 Dec 23 j 09:50	30°℞♉	
direct	-264 Jan 10 j 02:10	27°♉56'16	
	-264 Jan 29 j 03:23	0°♊	
	-264 Apr 12 j 01:05	0°♋	
	-264 Jun 04 j 04:01	0°♌	
	-264 Jul 22 j 08:42	0°♍	
	-264 Sep 05 j 05:34	0°♎	
evening set	-264 Sep 27 j 23:54	15°♎58'47	
desc. node	-264 Oct 09 j 15:57	24°♎22'00	
max. Earth dist.	-264 Oct 13 j 08:24	27°♎02'29	2.44803 AU
	-264 Oct 17 j 09:44	0°♏	
conjunction	-264 Nov 21 j 10:56	26°♏09'50	-0°27'16
minimum elong	-264 Nov 21 j 09:18	26°♏06'44	0°27'14
	-264 Nov 26 j 11:43	0°♐	
	-263 Jan 04 j 05:16	0°♑	
morning rise	-263 Jan 22 j 19:57	14°♑36'15	
	-263 Feb 11 j 10:20	0°♒	
	-263 Mar 21 j 23:56	0°♓	
	-263 Apr 30 j 19:39	0°♈	
	-263 Jun 11 j 19:38	0°♉	
	-263 Jul 27 j 05:13	0°♊	
asc. node	-263 Aug 09 j 13:26	8°♊13'19	
	-263 Sep 17 j 09:06	0°♋	
retrograde	-263 Nov 26 j 20:35	21°♋59'19	
opposition	-262 Jan 05 j 22:09	12°♋15'07	4°19'53
greatest brilliancy	-262 Jan 05 j 19:24	12°♋17'52	-1.3m
min. Earth dist.	-262 Jan 05 j 13:11	12°♋24'06	0.67422 AU
direct	-262 Feb 15 j 10:21	2°♋29'50	
	-262 May 10 j 04:11	0°♌	
	-262 Jul 01 j 13:04	0°♍	
	-262 Aug 16 j 14:59	0°♎	
desc. node	-262 Aug 27 j 14:53	7°♎34'14	
	-262 Sep 28 j 00:51	0°♏	
	-262 Nov 06 j 23:27	0°♐	
evening set	-262 Nov 23 j 16:58	12°♐56'45	
	-262 Dec 15 j 11:05	0°♑	
	-261 Jan 22 j 11:10	0°♒	
conjunction	-261 Jan 28 j 08:40	4°♒38'27	-1°05'21
minimum elong	-261 Jan 28 j 08:58	4°♒39'04	1°05'21
	-261 Mar 01 j 22:00	0°♓	
max. Earth dist.	-261 Mar 13 j 16:34	9°♓00'59	2.38906 AU
morning rise	-261 Apr 07 j 12:15	27°♓40'22	
	-261 Apr 10 j 15:45	0°♈	
	-261 May 22 j 08:43	0°♉	
asc. node	-261 Jun 27 j 12:33	24°♉40'49	
	-261 Jul 05 j 13:38	0°♊	
	-261 Aug 21 j 23:27	0°♋	
	-261 Oct 14 j 02:21	0°♌	
retrograde	-260 Jan 01 j 03:58	25°♌27'10	
opposition	-260 Feb 09 j 07:21	16°♌20'40	4°33'05
greatest brilliancy	-260 Feb 09 j 19:48	16°♌08'28	-1.4m
min. Earth dist.	-260 Feb 12 j 19:26	14°♌58'12	0.65660 AU
direct	-260 Mar 21 j 16:03	6°♌18'48	
	-260 Jun 03 j 19:00	0°♍	
desc. node	-260 Jul 14 j 13:07	23°♍36'38	
	-260 Jul 24 j 13:13	0°♎	
	-260 Sep 06 j 07:17	0°♏	
	-260 Oct 16 j 16:00	0°♐	
	-260 Nov 24 j 07:09	0°♑	
	-259 Jan 01 j 10:10	0°♒	
evening set	-259 Feb 01 j 02:16	23°♒52'30	
	-259 Feb 09 j 01:41	0°♓	
	-259 Mar 21 j 01:44	0°♈	
conjunction	-259 Apr 05 j 12:15	11°♈13'23	-0°23'47
minimum elong	-259 Apr 05 j 13:49	11°♈16'12	0°23'45
	-259 May 01 j 23:49	0°♉	
asc. node	-259 May 14 j 12:48	8°♉41'23	
max. Earth dist.	-259 May 14 j 13:49	8°♉43'08	2.52091 AU
morning rise	-259 Jun 02 j 05:22	21°♉24'25	
	-259 Jun 15 j 01:46	0°♊	
	-259 Jul 31 j 08:03	0°♋	
	-259 Sep 17 j 23:10	0°♌	
	-259 Nov 09 j 14:31	0°♍	
	-258 Jan 21 j 19:17	0°♎	
retrograde	-258 Feb 10 j 02:40	2°♎04'56	
	-258 Feb 28 j 05:16	30°℞♍	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

opposition	-258 Mar 19 j 00:57	24°♍02'35	3°09'19
greatest brilliancy	-258 Mar 19 j 21:25	23°♍43'29	-1.7m
min. Earth dist.	-258 Mar 26 j 03:17	21°♍23'48	0.57441 AU
direct	-258 Apr 28 j 10:18	14°♍25'45	
desc. node	-258 Jun 01 j 11:53	21°♍04'41	
	-258 Jun 22 j 10:04	0°♎	
	-258 Aug 12 j 10:28	0°♏	
	-258 Sep 23 j 22:14	0°♐	
	-258 Nov 02 j 13:04	0°♑	
	-258 Dec 11 j 08:45	0°♒	
	-257 Jan 19 j 15:56	0°♓	
	-257 Mar 01 j 07:47	0°♈	
asc. node	-257 Apr 01 j 11:18	22°♈06'37	
evening set	-257 Apr 02 j 10:47	22°♈47'33	
	-257 Apr 12 j 20:19	0°♉	
conjunction	-257 May 26 j 05:21	29°♉16'48	0°31'17
minimum elong	-257 May 26 j 04:04	29°♉14'42	0°31'16
	-257 May 27 j 07:28	0°♊	
max. Earth dist.	-257 Jun 14 j 06:54	11°♊48'21	2.62178 AU
	-257 Jul 12 j 10:21	0°♋	
morning rise	-257 Jul 14 j 11:13	1°♋18'17	
	-257 Aug 28 j 18:28	0°♌	
	-257 Oct 16 j 03:27	0°♍	
	-257 Dec 05 j 06:57	0°♎	
	-256 Jan 30 j 00:58	0°♏	
retrograde	-256 Apr 05 j 14:36	19°♏30'47	
desc. node	-256 Apr 18 j 11:15	18°♏29'07	
opposition	-256 May 08 j 16:02	13°♏17'04	-1°10'37
greatest brilliancy	-256 May 09 j 00:28	13°♏10'18	-2.5m
min. Earth dist.	-256 May 16 j 19:37	10°♏41'02	0.44647 AU
direct	-256 Jun 13 j 15:03	5°♏44'21	
	-256 Aug 20 j 14:06	0°♐	
	-256 Oct 05 j 06:19	0°♑	
	-256 Nov 15 j 22:47	0°♒	
	-256 Dec 27 j 05:14	0°♓	
	-255 Feb 07 j 10:24	0°♈	
asc. node	-255 Feb 16 j 09:37	6°♈14'24	
	-255 Mar 23 j 04:41	0°♉	
	-255 May 07 j 13:07	0°♊	
evening set	-255 May 17 j 13:43	6°♊30'48	
	-255 Jun 23 j 02:02	0°♋	
conjunction	-255 Jul 04 j 17:40	7°♋26'26	1°03'13
minimum elong	-255 Jul 04 j 16:42	7°♋24'53	1°03'12
max. Earth dist.	-255 Jul 08 j 00:37	9°♋32'18	2.67020 AU
	-255 Aug 09 j 03:31	0°♌	
morning rise	-255 Aug 19 j 02:40	6°♌21'03	
	-255 Sep 25 j 02:36	0°♍	
	-255 Nov 10 j 16:27	0°♎	
	-255 Dec 27 j 00:15	0°♏	
	-254 Feb 11 j 16:53	0°♐	
desc. node	-254 Mar 06 j 10:25	14°♐14'28	
	-254 Apr 01 j 17:10	0°♑	
	-254 Jun 11 j 05:58	0°♒	
retrograde	-254 Jun 23 j 12:12	0°♒57'48	
	-254 Jul 05 j 16:11	30°℞♑	
min. Earth dist.	-254 Jul 22 j 04:05	26°♑16'50	0.37564 AU
opposition	-254 Jul 24 j 01:36	25°♑46'29	-6°51'37
greatest brilliancy	-254 Jul 23 j 16:26	25°♑52'36	-2.9m
direct	-254 Aug 22 j 15:37	20°♑50'37	
	-254 Oct 01 j 12:31	0°♒	
	-254 Nov 26 j 22:16	0°♓	
asc. node	-253 Jan 04 j 09:16	23°♓58'24	
	-253 Jan 13 j 20:21	0°♈	
	-253 Mar 01 j 18:40	0°♉	
	-253 Apr 18 j 00:32	0°♊	
	-253 Jun 04 j 14:24	0°♋	
evening set	-253 Jun 25 j 18:34	13°♋21'56	
	-253 Jul 21 j 23:25	0°♌	
max. Earth dist.	-253 Jul 31 j 06:40	5°♌56'38	2.66426 AU
conjunction	-253 Aug 10 j 17:05	12°♌38'22	1°08'36
minimum elong	-253 Aug 10 j 17:29	12°♌39'01	1°08'36
	-253 Sep 06 j 11:56	0°♍	
morning rise	-253 Sep 24 j 11:05	11°♍48'12	
	-253 Oct 21 j 17:31	0°♎	
	-253 Dec 04 j 13:07	0°♏	
	-252 Jan 16 j 01:56	0°♐	
desc. node	-252 Jan 22 j 10:17	4°♐32'42	
	-252 Feb 26 j 16:05	0°♑	
	-252 Apr 08 j 00:44	0°♒	
	-252 May 20 j 19:54	0°♓	
	-252 Jul 10 j 00:58	0°♈	
retrograde	-252 Aug 26 j 03:53	13°♈13'54	
min. Earth dist.	-252 Sep 23 j 13:26	7°♈41'21	0.46917 AU
opposition	-252 Oct 01 j 17:30	4°♈48'15	-2°39'06
greatest brilliancy	-252 Oct 01 j 00:12	5°♈03'36	-2.3m
	-252 Oct 17 j 09:35	30°℞♓	
direct	-252 Nov 03 j 18:31	27°♓58'10	
asc. node	-252 Nov 21 j 07:55	29°♓51'40	
	-252 Nov 21 j 23:53	0°♈	
	-251 Feb 01 j 07:41	0°♉	
	-251 Mar 26 j 04:01	0°♊	
	-251 May 15 j 03:58	0°♋	
	-251 Jul 02 j 13:26	0°♌	
evening set	-251 Aug 01 j 08:30	19°♌00'43	
	-251 Aug 18 j 05:29	0°♍	
max. Earth dist.	-251 Aug 24 j 16:27	4°♍14'59	2.60512 AU
conjunction	-251 Sep 16 j 22:58	19°♍47'46	0°46'33
minimum elong	-251 Sep 17 j 00:16	19°♍49'59	0°46'32
	-251 Oct 01 j 22:28	0°♎	
morning rise	-251 Nov 03 j 15:09	22°♎50'05	
	-251 Nov 13 j 16:03	0°♏	
desc. node	-251 Dec 09 j 09:15	18°♏40'57	
	-251 Dec 24 j 16:24	0°♐	
	-250 Feb 02 j 10:41	0°♑	
	-250 Mar 13 j 15:00	0°♒	
	-250 Apr 22 j 03:13	0°♓	
	-250 Jun 02 j 07:41	0°♈	
	-250 Jul 17 j 19:43	0°♉	
	-250 Sep 22 j 11:17	0°♊	
retrograde	-250 Oct 09 j 08:24	1°♊50'39	
asc. node	-250 Oct 09 j 06:19	1°♊50'39	
	-250 Oct 25 j 08:33	30°℞♉	
min. Earth dist.	-250 Nov 12 j 03:36	24°♉13'02	0.59091 AU
opposition	-250 Nov 17 j 18:30	21°♉59'37	1°41'02
greatest brilliancy	-250 Nov 17 j 09:18	22°♉08'44	-1.7m
direct	-250 Dec 24 j 20:49	13°♉25'22	
	-249 Feb 23 j 17:51	0°♊	
	-249 Apr 23 j 01:10	0°♋	
	-249 Jun 13 j 01:27	0°♌	
	-249 Jul 30 j 14:20	0°♍	
evening set	-249 Sep 11 j 00:35	28°♍24'57	
	-249 Sep 13 j 07:41	0°♎	
max. Earth dist.	-249 Sep 26 j 04:21	8°♎57'36	2.49852 AU
	-249 Oct 25 j 13:51	0°♏	
desc. node	-249 Oct 27 j 07:52	1°♏16'35	
conjunction	-249 Nov 01 j 03:00	4°♏47'20	-0°03'07
minimum elong	-249 Nov 01 j 02:48	4°♏46'59	0°03'08
behind sun begin	-249 Oct 31 j 04:30	4°♏06'05	
behind sun end	-249 Nov 02 j 01:06	5°♏27'55	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-249 Dec 04 j 20:28	0°♐	
morning rise	-249 Dec 27 j 19:11	17°♐35'18	
	-248 Jan 12 j 19:06	0°♑	
	-248 Feb 20 j 04:33	0°♒	
	-248 Mar 29 j 21:32	0°♓	
	-248 May 08 j 20:43	0°♈	
	-248 Jun 20 j 04:52	0°♉	
	-248 Aug 05 j 18:10	0°♊	
asc. node	-248 Aug 26 j 06:08	11°♊48'32	
	-248 Oct 03 j 08:22	0°♋	
retrograde	-248 Nov 13 j 12:32	8°♋59'51	
	-248 Dec 21 j 10:21	30°℞♊	
min. Earth dist.	-248 Dec 21 j 17:48	29°♊52'32	0.66302 AU
opposition	-248 Dec 23 j 15:20	29°♊06'47	3°53'28
greatest brilliancy	-248 Dec 23 j 07:46	29°♊14'22	-1.4m
direct	-247 Feb 01 j 10:18	19°♊35'32	
	-247 Mar 20 j 02:55	0°♋	
	-247 May 20 j 14:09	0°♌	
	-247 Jul 09 j 17:04	0°♍	
	-247 Aug 24 j 04:09	0°♎	
desc. node	-247 Sep 13 j 06:44	14°♎01'53	
	-247 Oct 05 j 10:24	0°♏	
evening set	-247 Oct 30 j 12:14	18°♏39'52	
	-247 Nov 14 j 09:32	0°♐	
max. Earth dist.	-247 Dec 08 j 16:27	18°♐49'02	2.37829 AU
	-247 Dec 22 j 22:42	0°♑	
conjunction	-247 Dec 30 j 22:14	6°♑16'57	-0°59'04
minimum elong	-247 Dec 30 j 19:56	6°♑12'24	0°59'04
	-246 Jan 29 j 24:00	0°♒	
	-246 Mar 09 j 11:06	0°♓	
morning rise	-246 Mar 10 j 09:02	0°♓42'14	
	-246 Apr 18 j 04:20	0°♈	
	-246 May 29 j 21:49	0°♉	
	-246 Jul 13 j 08:37	0°♊	
asc. node	-246 Jul 14 j 05:22	0°♊33'44	
	-246 Aug 30 j 19:07	0°♋	
	-246 Oct 27 j 23:49	0°♌	
retrograde	-246 Dec 18 j 02:45	12°♌31'25	
opposition	-245 Jan 26 j 17:44	3°♌07'38	4°37'34
greatest brilliancy	-245 Jan 27 j 00:09	3°♌01'16	-1.3m
min. Earth dist.	-245 Jan 28 j 17:12	2°♌20'34	0.67128 AU
	-245 Feb 03 j 17:46	30°℞♋	
direct	-245 Mar 08 j 22:23	23°♋08'46	
	-245 Apr 14 j 09:12	0°♌	
	-245 Jun 16 j 06:13	0°♍	
desc. node	-245 Aug 01 j 05:41	28°♍34'47	
	-245 Aug 03 j 09:00	0°♎	
	-245 Sep 15 j 09:50	0°♏	
	-245 Oct 25 j 12:46	0°♐	
	-245 Dec 03 j 01:12	0°♑	
evening set	-244 Jan 05 j 11:22	26°♑22'28	
	-244 Jan 10 j 01:52	0°♒	
	-244 Feb 17 j 14:22	0°♓	
conjunction	-244 Mar 12 j 01:17	17°♓48'47	-0°46'10
minimum elong	-244 Mar 12 j 04:07	17°♓54'06	0°46'07
	-244 Mar 28 j 10:38	0°♈	
max. Earth dist.	-244 Apr 28 j 03:00	22°♈11'04	2.46987 AU
	-244 May 09 j 05:15	0°♉	
morning rise	-244 May 13 j 12:34	3°♉00'15	
asc. node	-244 May 31 j 03:48	15°♉08'50	
	-244 Jun 22 j 06:11	0°♊	
	-244 Aug 07 j 18:37	0°♋	
	-244 Sep 26 j 11:02	0°♌	
	-244 Nov 22 j 09:39	0°♍	
retrograde	-243 Jan 24 j 02:16	17°♍16'54	
opposition	-243 Mar 03 j 01:27	8°♍45'24	3°56'20
greatest brilliancy	-243 Mar 03 j 20:58	8°♍26'43	-1.6m
min. Earth dist.	-243 Mar 08 j 19:58	6°♍32'50	0.61380 AU
	-243 Mar 31 j 00:13	30°℞♌	
direct	-243 Apr 13 j 02:30	28°♌51'30	
	-243 Apr 26 j 17:29	0°♍	
desc. node	-243 Jun 18 j 03:44	19°♍21'41	
	-243 Jul 07 j 08:18	0°♎	
	-243 Aug 22 j 18:42	0°♏	
	-243 Oct 03 j 01:35	0°♐	
	-243 Nov 11 j 03:18	0°♑	
	-243 Dec 19 j 13:54	0°♒	
	-242 Jan 27 j 12:48	0°♓	
	-242 Mar 08 j 20:26	0°♈	
evening set	-242 Mar 12 j 00:25	2°♈18'02	
asc. node	-242 Apr 18 j 03:25	28°♈39'57	
	-242 Apr 20 j 01:31	0°♉	
conjunction	-242 May 08 j 04:34	12°♉27'25	0°12'03
minimum elong	-242 May 08 j 03:56	12°♉26'20	0°12'04
behind sun begin	-242 May 07 j 13:08	12°♉01'09	
behind sun end	-242 May 08 j 18:44	12°♉51'29	
	-242 Jun 03 j 07:18	0°♊	
max. Earth dist.	-242 Jun 03 j 12:56	0°♊09'21	2.58820 AU
morning rise	-242 Jun 29 j 01:53	16°♊54'44	
	-242 Jul 19 j 09:25	0°♋	
	-242 Sep 05 j 01:16	0°♌	
	-242 Oct 24 j 12:07	0°♍	
	-242 Dec 16 j 20:47	0°♎	
retrograde	-241 Mar 13 j 10:42	29°♎10'01	
opposition	-241 Apr 17 j 04:43	22°♎07'29	0°59'19
greatest brilliancy	-241 Apr 17 j 13:26	21°♎59'53	-2.2m
min. Earth dist.	-241 Apr 25 j 14:22	19°♎12'40	0.49847 AU
desc. node	-241 May 06 j 03:14	16°♎02'34	
direct	-241 May 25 j 10:47	13°♎29'06	
	-241 Jul 19 j 11:04	0°♏	
	-241 Sep 06 j 05:24	0°♐	
	-241 Oct 17 j 22:35	0°♑	
	-241 Nov 26 j 22:41	0°♒	
	-240 Jan 06 j 03:26	0°♓	
	-240 Feb 16 j 13:18	0°♈	
asc. node	-240 Mar 05 j 01:42	12°♈20'00	
	-240 Mar 30 j 16:48	0°♉	
evening set	-240 Apr 30 j 19:49	20°♉54'17	
	-240 May 14 j 14:40	0°♊	
conjunction	-240 Jun 19 j 16:53	23°♊26'30	0°53'57
minimum elong	-240 Jun 19 j 15:34	23°♊24'23	0°53'57
max. Earth dist.	-240 Jun 28 j 21:14	29°♊20'22	2.65779 AU
	-240 Jun 29 j 21:58	0°♋	
morning rise	-240 Aug 05 j 03:48	23°♋07'02	
	-240 Aug 16 j 00:00	0°♌	
	-240 Oct 02 j 08:39	0°♍	
	-240 Nov 18 j 21:53	0°♎	
	-239 Jan 06 j 05:58	0°♏	
	-239 Feb 26 j 13:00	0°♐	
desc. node	-239 Mar 23 j 03:30	12°♐44'03	
	-239 May 18 j 12:16	0°♑	
retrograde	-239 May 22 j 04:18	0°♑05'09	
	-239 May 25 j 20:08	30°℞♐	
opposition	-239 Jun 21 j 14:40	25°♐01'33	-5°25'30
greatest brilliancy	-239 Jun 22 j 05:17	24°♐51'34	-2.9m
min. Earth dist.	-239 Jun 25 j 03:28	24°♐03'41	0.38377 AU
direct	-239 Jul 22 j 22:59	19°♐33'05	
	-239 Sep 02 j 19:50	0°♑	
	-239 Oct 26 j 00:18	0°♒	
	-239 Dec 10 j 09:18	0°♓	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

asc. node	-238 Jan 20 j 23:40	28°♓01'43	
	-238 Jan 23 j 22:13	0°♈	
	-238 Mar 10 j 04:11	0°♉	
	-238 Apr 25 j 11:28	0°♊	
evening set	-238 Jun 11 j 00:41	29°♊40'03	
	-238 Jun 11 j 13:14	0°♋	
max. Earth dist.	-238 Jul 22 j 04:51	25°♋49'57	2.67305 AU
conjunction	-238 Jul 27 j 11:43	29°♋12'08	1°09'41
minimum elong	-238 Jul 27 j 11:34	29°♋11'54	1°09'41
	-238 Jul 28 j 17:43	0°♌	
morning rise	-238 Sep 10 j 02:23	27°♌52'51	
	-238 Sep 13 j 08:43	0°♍	
	-238 Oct 29 j 00:04	0°♎	
	-238 Dec 12 j 13:17	0°♏	
	-237 Jan 25 j 04:20	0°♐	
desc. node	-237 Feb 08 j 02:11	9°♐39'56	
	-237 Mar 09 j 06:49	0°♑	
	-237 Apr 21 j 23:40	0°♒	
	-237 Jun 09 j 10:51	0°♓	
retrograde	-237 Aug 05 j 06:32	18°♓18'06	
min. Earth dist.	-237 Sep 01 j 03:04	13°♓32'31	0.41984 AU
greatest brilliancy	-237 Sep 07 j 11:31	11°♓30'57	-2.6m
opposition	-237 Sep 08 j 15:09	11°♓08'49	-4°52'44
direct	-237 Oct 09 j 17:24	5°♓14'44	
asc. node	-237 Dec 08 j 23:38	22°♓55'06	
	-237 Dec 23 j 01:15	0°♈	
	-236 Feb 14 j 01:45	0°♉	
	-236 Apr 03 j 19:33	0°♊	
	-236 May 22 j 14:26	0°♋	
	-236 Jul 09 j 11:52	0°♌	
evening set	-236 Jul 17 j 16:29	5°♌12'30	
max. Earth dist.	-236 Aug 14 j 10:35	23°♌04'14	2.63436 AU
	-236 Aug 25 j 01:15	0°♍	
conjunction	-236 Sep 01 j 16:02	5°♍00'35	0°58'26
minimum elong	-236 Sep 01 j 17:09	5°♍02'25	0°58'25
	-236 Oct 08 j 21:54	0°♎	
morning rise	-236 Oct 17 j 16:06	6°♎00'12	
	-236 Nov 20 j 23:42	0°♏	
desc. node	-236 Dec 26 j 00:53	25°♏16'38	
	-235 Jan 01 j 11:27	0°♐	
	-235 Feb 10 j 18:38	0°♑	
	-235 Mar 22 j 12:39	0°♒	
	-235 May 01 j 17:47	0°♓	
	-235 Jun 13 j 05:55	0°♈	
	-235 Aug 02 j 12:06	0°♉	
retrograde	-235 Sep 23 j 14:27	15°♉04'46	
min. Earth dist.	-235 Oct 25 j 08:35	8°♉11'54	0.54725 AU
asc. node	-235 Oct 25 j 23:12	7°♉58'02	
opposition	-235 Nov 01 j 06:19	5°♉32'05	0°17'42
greatest brilliancy	-235 Nov 01 j 04:19	5°♉34'01	-2.0m
	-235 Nov 17 j 18:33	30°℞♈	
direct	-235 Dec 06 j 22:17	27°♈31'35	
	-235 Dec 27 j 12:36	0°♉	
	-234 Mar 09 j 08:56	0°♊	
	-234 May 01 j 20:50	0°♋	
	-234 Jun 20 j 13:18	0°♌	
	-234 Aug 06 j 15:48	0°♍	
evening set	-234 Aug 25 j 11:51	12°♍27'09	
max. Earth dist.	-234 Sep 12 j 00:12	24°♍17'10	2.54504 AU
	-234 Sep 20 j 08:02	0°♎	
conjunction	-234 Oct 13 j 05:53	16°♎01'16	0°19'07
minimum elong	-234 Oct 13 j 06:43	16°♎02'45	0°19'07
	-234 Nov 01 j 17:45	0°♏	
desc. node	-234 Nov 13 j 00:09	8°♏13'03	

morning rise	-234 Dec 04 j 10:16	24°♏06'41	
	-234 Dec 12 j 06:11	0°♐	
	-233 Jan 20 j 11:05	0°♑	
	-233 Feb 28 j 02:03	0°♒	
	-233 Apr 08 j 00:01	0°♓	
	-233 May 18 j 05:41	0°♈	
	-233 Jun 30 j 05:11	0°♉	
	-233 Aug 18 j 01:27	0°♊	
asc. node	-233 Sep 12 j 21:26	12°♊55'59	
retrograde	-233 Oct 31 j 22:33	25°♊28'21	
min. Earth dist.	-233 Dec 07 j 13:30	16°♊52'31	0.64214 AU
opposition	-233 Dec 10 j 22:49	15°♊30'52	3°14'10
greatest brilliancy	-233 Dec 10 j 12:13	15°♊41'30	-1.5m
direct	-232 Jan 18 j 19:57	6°♊17'58	
	-232 Apr 04 j 11:05	0°♋	
	-232 May 29 j 14:44	0°♌	
	-232 Jul 17 j 09:47	0°♍	
	-232 Aug 31 j 11:51	0°♎	
desc. node	-232 Sep 29 j 22:50	20°♎44'30	
evening set	-232 Oct 09 j 02:26	27°♎21'47	
	-232 Oct 12 j 17:11	0°♏	
max. Earth dist.	-232 Oct 27 j 06:12	10°♏43'55	2.42046 AU
	-232 Nov 21 j 18:39	0°♐	
conjunction	-232 Dec 04 j 19:47	10°♐02'02	-0°40'35
minimum elong	-232 Dec 04 j 17:25	9°♐57'28	0°40'33
	-232 Dec 30 j 10:50	0°♑	
	-231 Feb 06 j 14:19	0°♒	
morning rise	-231 Feb 08 j 07:50	1°♒21'32	
	-231 Mar 17 j 02:28	0°♓	
	-231 Apr 25 j 20:08	0°♈	
	-231 Jun 06 j 15:50	0°♉	
	-231 Jul 21 j 13:29	0°♊	
asc. node	-231 Jul 30 j 20:35	5°♊52'39	
	-231 Sep 09 j 19:28	0°♋	
retrograde	-231 Dec 04 j 13:32	29°♋46'26	
opposition	-230 Jan 13 j 12:00	20°♋08'27	4°29'52
greatest brilliancy	-230 Jan 13 j 12:22	20°♋08'06	-1.3m
min. Earth dist.	-230 Jan 13 j 22:57	19°♋57'31	0.67594 AU
direct	-230 Feb 23 j 07:07	10°♋17'10	
	-230 May 02 j 03:20	0°♌	
	-230 Jun 25 j 20:09	0°♍	
	-230 Aug 11 j 12:52	0°♎	
desc. node	-230 Aug 17 j 21:37	4°♎20'03	
	-230 Sep 23 j 03:38	0°♏	
	-230 Nov 02 j 03:49	0°♐	
evening set	-230 Dec 08 j 16:38	28°♐27'23	
	-230 Dec 10 j 15:40	0°♑	
	-229 Jan 17 j 15:41	0°♒	
conjunction	-229 Feb 13 j 15:37	21°♒08'15	-1°02'00
minimum elong	-229 Feb 13 j 17:35	21°♒12'05	1°01'59
	-229 Feb 25 j 02:43	0°♓	
max. Earth dist.	-229 Apr 05 j 06:53	29°♓34'41	2.41644 AU
	-229 Apr 05 j 20:36	0°♈	
morning rise	-229 Apr 21 j 21:04	11°♈42'55	
	-229 May 17 j 13:01	0°♉	
asc. node	-229 Jun 17 j 20:14	21°♉29'06	
	-229 Jun 30 j 14:52	0°♊	
	-229 Aug 16 j 13:48	0°♋	
	-229 Oct 06 j 23:54	0°♌	
	-229 Dec 15 j 07:22	0°♍	
retrograde	-228 Jan 09 j 13:30	3°♍28'37	
	-228 Feb 01 j 21:19	30°℞♌	
opposition	-228 Feb 17 j 08:00	24°♌33'13	4°23'59
greatest brilliancy	-228 Feb 17 j 23:25	24°♌18'12	-1.4m
min. Earth dist.	-228 Feb 21 j 15:33	22°♌52'18	0.64420 AU

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

direct	-228 Mar 29 j 15:51	14°♌32'00		
	-228 May 25 j 14:19	0°♍		
desc. node	-228 Jul 04 j 21:16	21°♍40'02		
	-228 Jul 18 j 10:11	0°♎		
	-228 Aug 31 j 21:43	0°♏		
	-228 Oct 11 j 12:59	0°♐		
	-228 Nov 19 j 07:00	0°♑		
	-228 Dec 27 j 11:45	0°♒		
	-227 Feb 04 j 04:54	0°♓		
evening set	-227 Feb 15 j 22:58	8°♓55'47		
	-227 Mar 16 j 06:32	0°♈		
conjunction	-227 Apr 18 j 02:55	23°♈36'08	-0°10'13	
minimum elong	-227 Apr 18 j 03:33	23°♈37'15	0°10'13	
behind sun begin	-227 Apr 17 j 08:43	23°♈04'05		
behind sun end	-227 Apr 18 j 22:23	24°♈10'24		
	-227 Apr 27 j 06:00	0°♉		
asc. node	-227 May 04 j 18:17	5°♉12'52		
max. Earth dist.	-227 May 22 j 12:12	17°♉21'40	2.54705 AU	
	-227 Jun 10 j 08:14	0°♊		
morning rise	-227 Jun 12 j 11:35	1°♊25'15		
	-227 Jul 26 j 11:37	0°♋		
	-227 Sep 12 j 15:42	0°♌		
	-227 Nov 02 j 18:45	0°♍		
	-226 Jan 02 j 03:37	0°♎		
retrograde	-226 Feb 20 j 16:49	11°♎36'43		
opposition	-226 Mar 28 j 22:15	3°♎53'14	2°30'38	
greatest brilliancy	-226 Mar 29 j 16:39	3°♎36'23	-1.9m	
min. Earth dist.	-226 Apr 05 j 14:38	1°♎04'39	0.54927 AU	
	-226 Apr 08 j 16:27	30°℞♍		
direct	-226 May 07 j 17:25	24°♍31'50		
desc. node	-226 May 22 j 19:53	25°♍59'11		
	-226 Jun 07 j 01:20	0°♎		
	-226 Aug 04 j 22:19	0°♏		
	-226 Sep 17 j 17:43	0°♐		
	-226 Oct 27 j 21:16	0°♑		
	-226 Dec 06 j 00:11	0°♒		
	-225 Jan 14 j 12:52	0°♓		
	-225 Feb 24 j 09:09	0°♈		
asc. node	-225 Mar 22 j 17:13	18°♈40'31		
	-225 Apr 08 j 01:18	0°♉		
evening set	-225 Apr 13 j 15:38	3°♉50'08		
	-225 May 22 j 14:57	0°♊		
conjunction	-225 Jun 04 j 20:30	8°♊41'35	0°40'45	
minimum elong	-225 Jun 04 j 19:06	8°♊39'17	0°40'45	
max. Earth dist.	-225 Jun 20 j 05:08	18°♊41'16	2.63691 AU	
	-225 Jul 07 j 18:24	0°♋		
morning rise	-225 Jul 22 j 22:09	9°♋41'33		
	-225 Aug 23 j 23:13	0°♌		
	-225 Oct 10 j 21:33	0°♍		
	-225 Nov 28 j 20:52	0°♎		
	-224 Jan 19 j 18:32	0°♏		
	-224 Mar 28 j 15:51	0°♐		
desc. node	-224 Apr 08 j 18:51	2°♐13'39		
retrograde	-224 Apr 21 j 07:04	3°♐09'03		
	-224 May 14 j 03:19	30°℞♏		
opposition	-224 May 23 j 05:34	27°♏24'30	-2°41'30	
greatest brilliancy	-224 May 23 j 21:48	27°♏12'15	-2.6m	
min. Earth dist.	-224 May 30 j 11:28	25°♏13'39	0.41978 AU	
direct	-224 Jun 26 j 15:08	20°♏37'07		
	-224 Aug 04 j 18:28	0°♐		
	-224 Sep 26 j 10:44	0°♑		
	-224 Nov 08 j 23:13	0°♒		
	-224 Dec 21 j 04:11	0°♓		
	-223 Feb 01 j 23:40	0°♈		
asc. node	-223 Feb 06 j 16:45	3°♈15'02		
	-223 Mar 18 j 03:30	0°♉		
	-223 May 02 j 18:10	0°♊		
evening set	-223 May 26 j 16:34	15°♊26'26		
	-223 Jun 18 j 10:34	0°♋		
conjunction	-223 Jul 13 j 03:04	15°♋44'02	1°06'45	
minimum elong	-223 Jul 13 j 02:23	15°♋42'57	1°06'45	
max. Earth dist.	-223 Jul 13 j 08:35	15°♋52'50	2.67350 AU	
	-223 Aug 04 j 12:26	0°♌		
morning rise	-223 Aug 27 j 02:21	14°♌25'37		
	-223 Sep 20 j 08:10	0°♍		
	-223 Nov 05 j 12:53	0°♎		
	-223 Dec 21 j 02:37	0°♏		
	-222 Feb 04 j 09:36	0°♐		
desc. node	-222 Feb 24 j 18:42	13°♐25'59		
	-222 Mar 22 j 07:20	0°♑		
	-222 May 11 j 11:40	0°♒		
retrograde	-222 Jul 10 j 07:07	19°♒07'13		
min. Earth dist.	-222 Aug 06 j 10:29	14°♒39'32	0.38444 AU	
opposition	-222 Aug 10 j 23:31	13°♒22'45	-6°37'27	
greatest brilliancy	-222 Aug 10 j 01:59	13°♒37'59	-2.8m	
direct	-222 Sep 09 j 18:52	8°♒16'27		
	-222 Nov 15 j 15:14	0°♓		
asc. node	-222 Dec 25 j 15:49	22°♓47'33		
	-221 Jan 06 j 13:35	0°♈		
	-221 Feb 23 j 22:24	0°♉		
	-221 Apr 12 j 21:00	0°♊		
	-221 May 30 j 19:31	0°♋		
evening set	-221 Jul 04 j 03:27	21°♋37'12		
	-221 Jul 17 j 08:15	0°♌		
max. Earth dist.	-221 Aug 05 j 17:38	12°♌24'15	2.65580 AU	
conjunction	-221 Aug 18 j 23:35	20°♌57'20	1°06'03	
minimum elong	-221 Aug 19 j 00:17	20°♌58'28	1°06'03	
	-221 Sep 01 j 20:57	0°♍		
morning rise	-221 Oct 03 j 00:27	20°♍36'30		
	-221 Oct 16 j 23:17	0°♎		
	-221 Nov 29 j 12:16	0°♏		
	-220 Jan 10 j 15:19	0°♐		
desc. node	-220 Jan 12 j 17:16	1°♐30'16		
	-220 Feb 20 j 16:39	0°♑		
	-220 Apr 01 j 07:42	0°♒		
	-220 May 12 j 19:21	0°♓		
	-220 Jun 27 j 09:10	0°♈		
retrograde	-220 Sep 06 j 03:30	25°♈55'57		
min. Earth dist.	-220 Oct 05 j 17:03	19°♈53'54	0.49757 AU	
opposition	-220 Oct 13 j 14:30	16°♈59'45	-1°28'20	
greatest brilliancy	-220 Oct 13 j 04:55	17°♈08'36	-2.2m	
asc. node	-220 Nov 11 j 14:31	9°♈52'07		
direct	-220 Nov 16 j 15:37	9°♈41'51		
	-219 Jan 22 j 23:32	0°♉		
	-219 Mar 19 j 23:56	0°♊		
	-219 May 09 j 23:31	0°♋		
	-219 Jun 27 j 18:40	0°♌		
evening set	-219 Aug 09 j 22:57	27°♌37'04		
	-219 Aug 13 j 14:20	0°♍		
max. Earth dist.	-219 Aug 31 j 00:32	11°♍31'22	2.58546 AU	
conjunction	-219 Sep 26 j 03:50	29°♍13'01	0°37'41	
minimum elong	-219 Sep 26 j 05:06	29°♍15'12	0°37'40	
	-219 Sep 27 j 07:11	0°♎		
	-219 Nov 08 j 22:01	0°♏		
morning rise	-219 Nov 14 j 03:35	3°♏46'41		
desc. node	-219 Nov 29 j 15:59	15°♏05'54		
	-219 Dec 19 j 18:04	0°♐		
	-218 Jan 28 j 07:23	0°♑		
	-218 Mar 08 j 06:17	0°♒		

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-218 Apr 16 j 12:11	0°♓	
	-218 May 27 j 05:28	0°♈	
	-218 Jul 10 j 09:57	0°♉	
	-218 Sep 02 j 22:43	0°♊	
asc. node	-218 Sep 29 j 13:56	8°♊57'19	
retrograde	-218 Oct 17 j 19:09	11°♊03'25	
min. Earth dist.	-218 Nov 21 j 15:40	3°♊03'42	0.61159 AU
opposition	-218 Nov 26 j 11:57	1°♊07'45	2°20'07
greatest brilliancy	-218 Nov 26 j 01:02	1°♊18'39	-1.6m
	-218 Nov 29 j 08:26	30°℞♉	
direct	-217 Jan 03 j 06:40	22°♉18'15	
	-217 Feb 11 j 06:12	0°♊	
	-217 Apr 16 j 16:17	0°♋	
	-217 Jun 07 j 20:30	0°♌	
	-217 Jul 25 j 19:18	0°♍	
	-217 Sep 08 j 15:59	0°♎	
evening set	-217 Sep 21 j 00:24	8°♎35'45	
max. Earth dist.	-217 Oct 05 j 20:28	19°♎06'36	2.47081 AU
desc. node	-217 Oct 17 j 15:56	27°♎37'43	
	-217 Oct 20 j 22:05	0°♏	
conjunction	-217 Nov 12 j 20:32	16°♏57'26	-0°16'50
minimum elong	-217 Nov 12 j 19:33	16°♏55'36	0°16'50
	-217 Nov 30 j 02:55	0°♐	
	-216 Jan 07 j 23:04	0°♑	
morning rise	-216 Jan 11 j 14:45	2°♑51'19	
	-216 Feb 15 j 05:49	0°♒	
	-216 Mar 24 j 20:17	0°♓	
	-216 May 03 j 16:19	0°♈	
	-216 Jun 14 j 17:38	0°♉	
	-216 Jul 30 j 10:52	0°♊	
asc. node	-216 Aug 16 j 12:17	10°♊17'16	
	-216 Sep 22 j 07:58	0°♋	
retrograde	-216 Nov 21 j 05:10	16°♋57'05	
min. Earth dist.	-216 Dec 30 j 05:55	7°♋34'00	0.67053 AU
opposition	-216 Dec 31 j 07:30	7°♋08'19	4°10'22
greatest brilliancy	-216 Dec 31 j 02:25	7°♋13'26	-1.3m
	-215 Jan 20 j 19:23	30°℞♊	
direct	-215 Feb 09 j 12:15	27°♊28'56	
	-215 Mar 02 j 21:02	0°♋	
	-215 May 14 j 00:31	0°♌	
	-215 Jul 04 j 09:56	0°♍	
	-215 Aug 19 j 06:51	0°♎	
desc. node	-215 Sep 03 j 14:51	10°♎36'47	
	-215 Sep 30 j 16:22	0°♏	
	-215 Nov 09 j 16:10	0°♐	
evening set	-215 Nov 12 j 18:40	2°♐23'06	
	-215 Dec 18 j 04:53	0°♑	
conjunction	-214 Jan 15 j 18:03	22°♑31'54	-1°04'28
minimum elong	-214 Jan 15 j 17:01	22°♑29'52	1°04'29
	-214 Jan 25 j 05:13	0°♒	
max. Earth dist.	-214 Feb 06 j 21:47	9°♒58'35	2.37384 AU
	-214 Mar 04 j 15:27	0°♓	
morning rise	-214 Mar 26 j 15:21	16°♓47'03	
	-214 Apr 13 j 07:49	0°♈	
	-214 May 24 j 23:18	0°♉	
asc. node	-214 Jul 04 j 10:59	27°♉32'25	
	-214 Jul 08 j 04:43	0°♊	
	-214 Aug 24 j 21:24	0°♋	
	-214 Oct 18 j 11:22	0°♌	
retrograde	-214 Dec 26 j 03:05	20°♌21'32	
opposition	-213 Feb 03 j 11:38	11°♌06'47	4°36'19
greatest brilliancy	-213 Feb 03 j 21:25	10°♌57'08	-1.3m
min. Earth dist.	-213 Feb 06 j 07:03	10°♌00'15	0.66446 AU
direct	-213 Mar 16 j 18:39	1°♌05'40	
	-213 Jun 09 j 05:47	0°♍	
desc. node	-213 Jul 22 j 13:00	25°♍56'00	
	-213 Jul 28 j 19:16	0°♎	
	-213 Sep 10 j 06:46	0°♏	
	-213 Oct 20 j 13:51	0°♐	
	-213 Nov 28 j 04:13	0°♑	
greatest brilliancy	-213 Dec 13 j 23:01	12°♑26'09	1.2m
	-212 Jan 05 j 05:56	0°♒	
evening set	-212 Jan 21 j 04:36	12°♒29'24	
	-212 Feb 12 j 19:25	0°♓	
	-212 Mar 23 j 16:37	0°♈	
conjunction	-212 Mar 26 j 06:14	1°♈53'12	-0°33'45
minimum elong	-212 Mar 26 j 08:28	1°♈57'18	0°33'43
	-212 May 04 j 11:36	0°♉	
max. Earth dist.	-212 May 08 j 03:49	2°♉33'59	2.49853 AU
asc. node	-212 May 21 j 11:01	11°♉45'30	
morning rise	-212 May 25 j 00:45	14°♉12'13	
	-212 Jun 17 j 11:31	0°♊	
	-212 Aug 02 j 18:34	0°♋	
	-212 Sep 20 j 17:37	0°♌	
	-212 Nov 13 j 17:13	0°♍	
retrograde	-211 Feb 02 j 14:08	26°♍01'41	
opposition	-211 Mar 11 j 23:56	17°♍45'24	3°31'30
greatest brilliancy	-211 Mar 12 j 20:20	17°♍26'05	-1.7m
min. Earth dist.	-211 Mar 18 j 12:11	15°♍17'43	0.59315 AU
direct	-211 Apr 21 j 17:04	7°♍59'23	
desc. node	-211 Jun 08 j 11:47	19°♍58'34	
	-211 Jun 28 j 20:25	0°♎	
	-211 Aug 16 j 12:18	0°♏	
	-211 Sep 27 j 10:45	0°♐	
	-211 Nov 05 j 19:38	0°♑	
	-211 Dec 14 j 10:36	0°♒	
	-210 Jan 22 j 13:08	0°♓	
	-210 Mar 04 j 00:06	0°♈	
evening set	-210 Mar 24 j 11:29	14°♈41'24	
asc. node	-210 Apr 08 j 09:54	25°♈11'39	
	-210 Apr 15 j 07:51	0°♉	
conjunction	-210 May 18 j 16:30	22°♉42'12	0°23'35
minimum elong	-210 May 18 j 15:25	22°♉40'24	0°23'35
	-210 May 29 j 15:21	0°♊	
max. Earth dist.	-210 Jun 09 j 20:40	7°♊24'25	2.60772 AU
morning rise	-210 Jul 08 j 00:20	25°♊42'34	
	-210 Jul 14 j 16:39	0°♋	
	-210 Aug 31 j 02:57	0°♌	
	-210 Oct 18 j 21:20	0°♍	
	-210 Dec 09 j 03:19	0°♎	
	-209 Feb 07 j 17:44	0°♏	
retrograde	-209 Mar 26 j 13:31	10°♏43'05	
desc. node	-209 Apr 26 j 11:09	5°♏05'27	
opposition	-209 Apr 29 j 10:35	4°♏06'32	-0°09'56
greatest brilliancy	-210 Aug 28 j 15:53	28°♋27'42	1.8m
min. Earth dist.	-209 May 07 j 21:31	1°♏17'58	0.46960 AU
	-209 May 12 j 01:57	30°℞♎	
direct	-209 Jun 05 j 12:42	26°♎01'33	
	-209 Jun 30 j 10:20	0°♏	
	-209 Aug 28 j 14:50	0°♐	
	-209 Oct 11 j 02:25	0°♑	
	-209 Nov 20 j 21:34	0°♒	
	-209 Dec 31 j 14:14	0°♓	
	-208 Feb 11 j 08:59	0°♈	
asc. node	-208 Feb 24 j 07:59	9°♈04'59	
	-208 Mar 25 j 18:56	0°♉	
	-208 May 09 j 21:27	0°♊	
evening set	-208 May 10 j 12:57	0°♊25'20	
	-208 Jun 25 j 07:01	0°♋	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

conjunction	-208 Jun 28 j 09:43	1°♋59'32	0°59'49
minimum elong	-208 Jun 28 j 08:35	1°♋57'43	0°59'49
max. Earth dist.	-208 Jul 04 j 06:52	5°♋45'09	2.66571 AU
	-208 Aug 11 j 08:16	0°♌	
morning rise	-208 Aug 13 j 04:43	1°♌10'43	
	-208 Sep 27 j 11:18	0°♍	
	-208 Nov 13 j 10:30	0°♎	
	-208 Dec 30 j 12:41	0°♏	
	-207 Feb 16 j 18:28	0°♐	
desc. node	-207 Mar 13 j 10:03	14°♐32'53	
	-207 Apr 11 j 04:08	0°♑	
retrograde	-207 Jun 09 j 11:56	17°♑35'32	
opposition	-207 Jul 09 j 17:32	12°♑36'01	-6°30'33
greatest brilliancy	-207 Jul 09 j 20:22	12°♑34'08	-2.9m
min. Earth dist.	-207 Jul 10 j 07:26	12°♑26'50	0.37542 AU
direct	-207 Aug 08 j 17:50	7°♑34'02	
	-207 Oct 14 j 04:43	0°♒	
	-207 Dec 02 j 14:41	0°♓	
asc. node	-206 Jan 11 j 07:24	25°♓48'38	
	-206 Jan 17 j 17:05	0°♈	
	-206 Mar 04 j 18:23	0°♉	
	-206 Apr 20 j 12:49	0°♊	
	-206 Jun 06 j 20:38	0°♋	
evening set	-206 Jun 19 j 12:39	8°♋00'55	
	-206 Jul 24 j 03:34	0°♌	
max. Earth dist.	-206 Jul 27 j 11:17	2°♌07'11	2.66921 AU
conjunction	-206 Aug 04 j 15:30	7°♌20'48	1°09'31
minimum elong	-206 Aug 04 j 15:41	7°♌21'06	1°09'31
	-206 Sep 08 j 17:36	0°♍	
morning rise	-206 Sep 18 j 06:23	6°♍13'40	
	-206 Oct 24 j 03:50	0°♎	
	-206 Dec 07 j 07:21	0°♏	
	-205 Jan 19 j 07:05	0°♐	
desc. node	-205 Jan 29 j 09:46	7°♐09'08	
	-205 Mar 02 j 11:23	0°♑	
	-205 Apr 13 j 15:12	0°♒	
	-205 May 27 j 23:54	0°♓	
	-205 Jul 26 j 19:34	0°♈	
retrograde	-205 Aug 18 j 04:19	3°♈24'15	
	-205 Sep 09 j 01:56	30°℞♓	
min. Earth dist.	-205 Sep 14 j 17:24	28°♓14'18	0.44640 AU
opposition	-205 Sep 22 j 19:47	25°♓29'38	-3°36'08
greatest brilliancy	-205 Sep 21 j 21:06	25°♓48'56	-2.5m
direct	-205 Oct 25 j 00:38	19°♓03'53	
asc. node	-205 Nov 29 j 06:25	26°♓00'05	
	-205 Dec 09 j 16:50	0°♈	
	-204 Feb 06 j 21:32	0°♉	
	-204 Mar 29 j 04:44	0°♊	
	-204 May 17 j 15:01	0°♋	
	-204 Jul 04 j 19:21	0°♌	
evening set	-204 Jul 26 j 00:59	13°♌31'04	
max. Earth dist.	-204 Aug 20 j 07:02	29°♌53'21	2.61928 AU
	-204 Aug 20 j 11:05	0°♍	
conjunction	-204 Sep 10 j 07:08	13°♍47'16	0°52'04
minimum elong	-204 Sep 10 j 08:24	13°♍49'22	0°52'02
	-204 Oct 04 j 06:39	0°♎	
morning rise	-204 Oct 27 j 02:52	15°♎48'24	
	-204 Nov 16 j 04:49	0°♏	
desc. node	-204 Dec 16 j 09:10	21°♏50'45	
	-204 Dec 27 j 10:44	0°♐	
	-203 Feb 05 j 10:53	0°♑	
	-203 Mar 16 j 20:34	0°♒	
	-203 Apr 25 j 14:27	0°♓	
	-203 Jun 06 j 04:25	0°♈	
	-203 Jul 22 j 22:52	0°♉	
retrograde	-203 Oct 02 j 19:19	25°♉21'59	
asc. node	-203 Oct 16 j 04:20	24°♉03'43	
min. Earth dist.	-203 Nov 04 j 17:09	18°♉03'29	0.57237 AU
opposition	-203 Nov 10 j 22:26	15°♉37'03	1°08'43
greatest brilliancy	-203 Nov 10 j 15:24	15°♉43'57	-1.8m
direct	-203 Dec 17 j 09:46	7°♉16'56	
	-202 Mar 01 j 04:10	0°♊	
	-202 Apr 26 j 02:37	0°♋	
	-202 Jun 15 j 13:08	0°♌	
	-202 Aug 01 j 22:36	0°♍	
evening set	-202 Sep 03 j 18:23	21°♍50'11	
	-202 Sep 15 j 16:41	0°♎	
max. Earth dist.	-202 Sep 19 j 20:34	2°♎52'35	2.52006 AU
conjunction	-202 Oct 23 j 16:42	26°♎49'56	0°06'47
minimum elong	-202 Oct 23 j 17:02	26°♎50'33	0°06'47
behind sun begin	-202 Oct 22 j 20:51	26°♎14'07	
behind sun end	-202 Oct 24 j 13:13	27°♎27'01	
	-202 Oct 28 j 01:38	0°♏	
desc. node	-202 Nov 03 j 07:52	4°♏33'48	
	-202 Dec 07 j 11:40	0°♐	
morning rise	-202 Dec 17 j 04:38	7°♐22'32	
	-201 Jan 15 j 13:38	0°♑	
	-201 Feb 23 j 01:26	0°♒	
	-201 Apr 02 j 19:52	0°♓	
	-201 May 12 j 20:26	0°♈	
	-201 Jun 24 j 08:06	0°♉	
	-201 Aug 10 j 12:54	0°♊	
asc. node	-201 Sep 03 j 03:57	13°♊02'19	
	-201 Oct 14 j 08:33	0°♋	
retrograde	-201 Nov 08 j 19:18	3°♋47'14	
	-201 Dec 02 j 09:31	30°℞♊	
min. Earth dist.	-201 Dec 16 j 07:30	24°♊53'44	0.65489 AU
opposition	-201 Dec 18 j 21:29	23°♊51'24	3°38'52
greatest brilliancy	-201 Dec 18 j 12:12	24°♊00'44	-1.4m
direct	-200 Jan 27 j 07:14	14°♊27'54	
	-200 Mar 26 j 10:23	0°♋	
	-200 May 23 j 18:17	0°♌	
	-200 Jul 12 j 08:22	0°♍	
	-200 Aug 26 j 16:55	0°♎	
desc. node	-200 Sep 20 j 06:28	17°♎11'43	
	-200 Oct 08 j 00:03	0°♏	
evening set	-200 Oct 20 j 21:34	9°♏30'32	
max. Earth dist.	-200 Nov 14 j 11:46	28°♏02'53	2.39467 AU
	-200 Nov 17 j 01:03	0°♐	
conjunction	-200 Dec 19 j 04:01	24°♐54'10	-0°52'11
minimum elong	-200 Dec 19 j 01:23	24°♐49'00	0°52'09
	-200 Dec 25 j 16:02	0°♑	
	-199 Feb 01 j 18:12	0°♒	
morning rise	-199 Feb 25 j 07:12	18°♒26'33	
	-199 Mar 12 j 05:07	0°♓	
	-199 Apr 20 j 21:30	0°♈	
	-199 Jun 01 j 14:11	0°♉	
	-199 Jul 16 j 03:06	0°♊	
asc. node	-199 Jul 21 j 03:52	3°♊14'31	
	-199 Sep 03 j 02:03	0°♋	
	-199 Nov 04 j 03:25	0°♌	
retrograde	-199 Dec 12 j 07:54	7°♌33'21	
	-198 Jan 16 j 03:20	30°℞♋	
opposition	-198 Jan 21 j 02:23	28°♋02'43	4°35'42
greatest brilliancy	-198 Jan 21 j 06:02	27°♋59'05	-1.3m
min. Earth dist.	-198 Jan 22 j 09:11	27°♋32'03	0.67464 AU
direct	-198 Mar 03 j 03:08	18°♋06'48	
	-198 Apr 22 j 04:07	0°♌	
	-198 Jun 19 j 18:36	0°♍	
	-198 Aug 06 j 07:23	0°♎	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

desc. node	-198 Aug 08 j 05:24	1°♎17'09	
	-198 Sep 18 j 05:09	0°♏	
	-198 Oct 28 j 07:42	0°♐	
	-198 Dec 05 j 20:17	0°♑	
evening set	-198 Dec 24 j 04:53	14°♑29'28	
	-197 Jan 12 j 20:23	0°♒	
	-197 Feb 20 j 07:26	0°♓	
conjunction	-197 Mar 01 j 09:57	6°♓58'38	-0°54'12
minimum elong	-197 Mar 01 j 12:47	7°♓04'02	0°54'11
	-197 Apr 01 j 01:35	0°♈	
max. Earth dist.	-197 Apr 20 j 03:58	13°♈56'37	2.44582 AU
morning rise	-197 May 05 j 03:00	24°♈38'03	
	-197 May 12 j 17:43	0°♉	
asc. node	-197 Jun 08 j 02:16	18°♉10'33	
	-197 Jun 25 j 17:25	0°♊	
	-197 Aug 11 j 08:04	0°♋	
	-197 Sep 30 j 13:35	0°♌	
	-197 Nov 29 j 11:47	0°♍	
retrograde	-196 Jan 18 j 07:48	11°♍44'43	
opposition	-196 Feb 25 j 15:52	3°♍01'52	4°09'41
greatest brilliancy	-196 Feb 26 j 09:43	2°♍44'36	-1.5m
min. Earth dist.	-196 Mar 01 j 18:28	1°♍03'24	0.62859 AU
	-196 Mar 04 j 13:24	30°℞♌	
direct	-196 Apr 06 j 20:15	23°♌03'46	
	-196 May 12 j 15:39	0°♍	
desc. node	-196 Jun 25 j 03:57	20°♍21'10	
	-196 Jul 11 j 16:26	0°♎	
	-196 Aug 26 j 05:53	0°♏	
	-196 Oct 06 j 06:21	0°♐	
	-196 Nov 14 j 04:59	0°♑	
	-196 Dec 22 j 12:38	0°♒	
	-195 Jan 30 j 08:03	0°♓	
evening set	-195 Mar 01 j 21:25	22°♓56'43	
	-195 Mar 11 j 11:50	0°♈	
	-195 Apr 22 j 12:54	0°♉	
asc. node	-195 Apr 25 j 01:30	1°♉45'23	
conjunction	-195 Apr 29 j 19:19	5°♉02'25	0°02'56
minimum elong	-195 Apr 29 j 19:11	5°♉02'10	0°02'56
behind sun begin	-195 Apr 28 j 20:11	4°♉22'28	
behind sun end	-195 Apr 30 j 18:11	5°♉41'50	
max. Earth dist.	-195 May 29 j 17:41	25°♉23'08	2.57065 AU
	-195 Jun 05 j 15:45	0°♊	
morning rise	-195 Jun 22 j 03:18	10°♊52'29	
	-195 Jul 21 j 17:01	0°♋	
	-195 Sep 07 j 12:44	0°♌	
	-195 Oct 27 j 13:33	0°♍	
	-195 Dec 22 j 00:30	0°♎	
retrograde	-194 Mar 04 j 02:00	21°♎45'17	
opposition	-194 Apr 08 j 13:05	14°♎23'19	1°42'12
greatest brilliancy	-194 Apr 09 j 03:00	14°♎10'53	-2.0m
min. Earth dist.	-194 Apr 16 j 17:01	11°♎28'58	0.52167 AU
desc. node	-194 May 13 j 02:59	5°♎31'28	
direct	-194 May 17 j 13:24	5°♎23'19	
	-194 Jul 26 j 21:23	0°♏	
	-194 Sep 10 j 22:32	0°♐	
	-194 Oct 21 j 20:54	0°♑	
	-194 Nov 30 j 10:23	0°♒	
	-193 Jan 09 j 06:34	0°♓	
	-193 Feb 19 j 09:05	0°♈	
asc. node	-193 Mar 13 j 00:24	15°♈18'25	
	-193 Apr 03 j 06:02	0°♉	
evening set	-193 Apr 24 j 05:07	14°♉12'36	
	-193 May 17 j 23:02	0°♊	
conjunction	-193 Jun 14 j 01:03	17°♊41'04	0°48'53
minimum elong	-193 Jun 13 j 23:39	17°♊38'48	0°48'53
max. Earth dist.	-193 Jun 25 j 20:35	25°♊18'46	2.64949 AU
	-193 Jul 03 j 03:34	0°♋	
morning rise	-193 Jul 31 j 03:14	17°♋52'10	
	-193 Aug 19 j 06:15	0°♌	
	-193 Oct 05 j 20:14	0°♍	
	-193 Nov 22 j 22:30	0°♎	
	-192 Jan 11 j 12:42	0°♏	
	-192 Mar 06 j 17:02	0°♐	
desc. node	-192 Mar 30 j 03:18	10°♐03'25	
retrograde	-192 May 08 j 06:12	18°♐09'30	
opposition	-192 Jun 08 j 04:57	12°♐51'05	-4°17'07
greatest brilliancy	-192 Jun 08 j 23:43	12°♐37'43	-2.8m
min. Earth dist.	-192 Jun 13 j 17:09	11°♐17'02	0.39708 AU
direct	-192 Jul 10 j 21:24	6°♐49'50	
	-192 Sep 14 j 23:07	0°♑	
	-192 Nov 01 j 00:41	0°♒	
	-192 Dec 14 j 16:01	0°♓	
asc. node	-191 Jan 27 j 22:17	0°♈25'43	
	-191 Jan 27 j 07:09	0°♈	
	-191 Mar 12 j 23:27	0°♉	
	-191 Apr 27 j 22:12	0°♊	
evening set	-191 Jun 04 j 13:26	24°♊06'59	
	-191 Jun 13 j 19:05	0°♋	
max. Earth dist.	-191 Jul 18 j 14:20	22°♋08'28	2.67437 AU
conjunction	-191 Jul 21 j 09:24	23°♋55'12	1°08'55
minimum elong	-191 Jul 21 j 09:02	23°♋54'37	1°08'56
	-191 Jul 30 j 22:18	0°♌	
morning rise	-191 Sep 04 j 02:12	22°♌32'12	
	-191 Sep 15 j 15:34	0°♍	
	-191 Oct 31 j 12:54	0°♎	
	-191 Dec 15 j 12:42	0°♏	
	-190 Jan 28 j 19:33	0°♐	
desc. node	-190 Feb 15 j 02:18	11°♐46'12	
	-190 Mar 13 j 22:17	0°♑	
	-190 Apr 28 j 11:30	0°♒	
	-190 Jun 23 j 20:02	0°♓	
retrograde	-190 Jul 25 j 12:16	6°♓27'11	
min. Earth dist.	-190 Aug 21 j 03:48	1°♓55'24	0.40138 AU
opposition	-190 Aug 27 j 16:22	29°♒57'16	-5°46'23
greatest brilliancy	-190 Aug 26 j 12:40	0°♓18'14	-2.7m
	-190 Aug 27 j 12:45	30°℞♒	
direct	-190 Sep 27 j 00:33	24°♒27'23	
	-190 Oct 27 j 19:21	0°♓	
asc. node	-190 Dec 15 j 21:55	22°♓35'21	
	-190 Dec 29 j 04:42	0°♈	
	-189 Feb 17 j 17:42	0°♉	
	-189 Apr 07 j 14:08	0°♊	
	-189 May 25 j 23:19	0°♋	
evening set	-189 Jul 12 j 11:34	29°♋51'13	
	-189 Jul 12 j 17:06	0°♌	
max. Earth dist.	-189 Aug 11 j 06:41	18°♌56'14	2.64503 AU
conjunction	-189 Aug 27 j 08:05	29°♌22'44	1°02'08
minimum elong	-189 Aug 27 j 09:03	29°♌24'19	1°02'07
	-189 Aug 28 j 06:52	0°♍	
morning rise	-189 Oct 11 j 19:39	29°♍41'12	
	-189 Oct 12 j 06:43	0°♎	
	-189 Nov 24 j 14:12	0°♏	
desc. node	-188 Jan 03 j 00:49	28°♏17'38	
	-188 Jan 05 j 08:59	0°♐	
	-188 Feb 15 j 00:05	0°♑	
	-188 Mar 26 j 02:20	0°♒	
	-188 May 05 j 17:44	0°♓	
	-188 Jun 18 j 03:29	0°♈	
	-188 Aug 12 j 07:05	0°♉	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

retrograde	-188 Sep 16 j 08:21	7°♉35'56		
min. Earth dist.	-188 Oct 17 j 03:23	1°♉04'51	0.52550 AU	
	-188 Oct 20 j 00:21	30°℞♈		
opposition	-188 Oct 24 j 12:38	28°♈16'44	-0°24'28	
greatest brilliancy	-188 Oct 24 j 10:07	28°♈19'08	-2.1m	
asc. node	-188 Nov 01 j 21:34	25°♈15'18		
direct	-188 Nov 28 j 11:14	20°♈34'12		
	-187 Jan 10 j 08:07	0°♉		
	-187 Mar 13 j 07:34	0°♊		
	-187 May 04 j 14:50	0°♋		
	-187 Jun 22 j 22:16	0°♌		
	-187 Aug 08 j 22:50	0°♍		
evening set	-187 Aug 18 j 17:48	6°♍26'12		
max. Earth dist.	-187 Sep 06 j 18:52	19°♍09'37	2.56406 AU	
	-187 Sep 22 j 16:27	0°♎		
conjunction	-187 Oct 05 j 16:58	9°♎01'31	0°27'28	
minimum elong	-187 Oct 05 j 18:02	9°♎03'24	0°27'27	
	-187 Nov 04 j 05:34	0°♏		
desc. node	-187 Nov 20 j 00:07	11°♏29'18		
morning rise	-187 Nov 25 j 07:15	15°♏23'13		
	-187 Dec 14 j 22:02	0°♐		
	-186 Jan 23 j 06:58	0°♑		
	-186 Mar 03 j 01:16	0°♒		
	-186 Apr 11 j 01:45	0°♓		
	-186 May 21 j 10:39	0°♈		
	-186 Jul 03 j 18:08	0°♉		
	-186 Aug 23 j 02:33	0°♊		
asc. node	-186 Sep 19 j 20:06	12°♊29'04		
retrograde	-186 Oct 25 j 23:53	19°♊54'13		
min. Earth dist.	-186 Nov 30 j 20:11	11°♊34'10	0.62962 AU	
opposition	-186 Dec 04 j 21:40	9°♊56'30	2°53'36	
greatest brilliancy	-186 Dec 04 j 10:23	10°♊07'48	-1.5m	
direct	-185 Jan 12 j 07:28	0°♊53'30		
	-185 Apr 09 j 15:17	0°♋		
	-185 Jun 02 j 10:14	0°♌		
	-185 Jul 20 j 21:34	0°♍		
	-185 Sep 03 j 22:34	0°♎		
evening set	-185 Oct 01 j 14:28	19°♎25'31		
desc. node	-185 Oct 07 j 22:59	23°♎59'34		
	-185 Oct 16 j 05:39	0°♏		
max. Earth dist.	-185 Oct 17 j 10:44	0°♏53'05	2.44293 AU	
conjunction	-185 Nov 25 j 10:47	0°♐02'23	-0°30'38	
minimum elong	-185 Nov 25 j 08:57	29°♏58'54	0°30'37	
	-185 Nov 25 j 09:31	0°♐		
	-184 Jan 03 j 03:59	0°♑		
morning rise	-184 Jan 27 j 10:02	19°♑02'10		
	-184 Feb 10 j 08:55	0°♒		
	-184 Mar 19 j 21:22	0°♓		
	-184 Apr 28 j 14:50	0°♈		
	-184 Jun 09 j 10:59	0°♉		
	-184 Jul 24 j 13:29	0°♊		
asc. node	-184 Aug 06 j 19:06	8°♊14'28		
	-184 Sep 13 j 20:08	0°♋		
retrograde	-184 Nov 28 j 21:27	24°♋48'33		
opposition	-183 Jan 07 j 21:59	15°♋05'10	4°23'11	
greatest brilliancy	-183 Jan 07 j 19:45	15°♋07'24	-1.3m	
min. Earth dist.	-183 Jan 07 j 16:08	15°♋11'02	0.67476 AU	
direct	-183 Feb 17 j 11:10	5°♋18'47		
	-183 May 06 j 16:15	0°♌		
	-183 Jun 28 j 20:44	0°♍		
	-183 Aug 14 j 05:58	0°♎		
desc. node	-183 Aug 24 j 21:21	7°♎17'22		
	-183 Sep 25 j 19:50	0°♏		
	-183 Nov 04 j 20:43	0°♐		
evening set	-183 Nov 27 j 02:06	17°♐12'32		
	-183 Dec 13 j 09:27	0°♑		
	-182 Jan 20 j 09:38	0°♒		
conjunction	-182 Feb 01 j 01:29	9°♒10'22	-1°04'59	
minimum elong	-182 Feb 01 j 02:16	9°♒11'53	1°04'59	
	-182 Feb 27 j 19:43	0°♓		
max. Earth dist.	-182 Mar 20 j 00:41	15°♓25'58	2.39415 AU	
	-182 Apr 08 j 11:55	0°♈		
morning rise	-182 Apr 10 j 21:46	1°♈46'51		
	-182 May 20 j 02:30	0°♉		
asc. node	-182 Jun 24 j 18:55	24°♉26'22		
	-182 Jul 03 j 03:55	0°♊		
	-182 Aug 19 j 07:31	0°♋		
	-182 Oct 10 j 16:43	0°♌		
retrograde	-181 Jan 03 j 07:16	28°♌16'35		
opposition	-181 Feb 11 j 08:23	19°♌11'55	4°30'37	
greatest brilliancy	-181 Feb 11 j 21:20	18°♌59'12	-1.4m	
min. Earth dist.	-181 Feb 14 j 23:23	17°♌46'33	0.65452 AU	
direct	-181 Mar 24 j 16:22	9°♌10'02		
	-181 Jun 01 j 03:59	0°♍		
desc. node	-181 Jul 12 j 21:02	23°♍39'17		
	-181 Jul 22 j 22:13	0°♎		
	-181 Sep 05 j 00:02	0°♏		
	-181 Oct 15 j 12:17	0°♐		
	-181 Nov 23 j 04:55	0°♑		
	-181 Dec 31 j 08:04	0°♒		
evening set	-180 Feb 05 j 14:50	28°♒12'46		
	-180 Feb 07 j 22:46	0°♓		
	-180 Mar 18 j 21:20	0°♈		
conjunction	-180 Apr 08 j 14:33	15°♈02'33	-0°20'16	
minimum elong	-180 Apr 08 j 15:53	15°♈04'56	0°20'15	
	-180 Apr 29 j 17:30	0°♉		
asc. node	-180 May 11 j 16:50	8°♉18'53		
max. Earth dist.	-180 May 16 j 20:58	11°♉52'11	2.52624 AU	
morning rise	-180 Jun 04 j 19:19	24°♉42'38		
	-180 Jun 12 j 17:16	0°♊		
	-180 Jul 28 j 20:43	0°♋		
	-180 Sep 15 j 06:53	0°♌		
	-180 Nov 06 j 08:28	0°♍		
	-179 Jan 12 j 05:02	0°♎		
retrograde	-179 Feb 12 j 14:37	5°♎09'47		
	-179 Mar 13 j 11:42	30°℞♍		
opposition	-179 Mar 21 j 09:43	27°♍10'32	2°59'15	
greatest brilliancy	-179 Mar 22 j 05:33	26°♍52'04	-1.8m	
min. Earth dist.	-179 Mar 28 j 14:05	24°♍30'17	0.56997 AU	
direct	-179 Apr 30 j 16:02	17°♍36'17		
desc. node	-179 May 29 j 20:05	22°♍36'18		
	-179 Jun 17 j 20:01	0°♎		
	-179 Aug 09 j 15:39	0°♏		
	-179 Sep 21 j 13:19	0°♐		
	-179 Oct 31 j 07:54	0°♑		
	-179 Dec 09 j 04:45	0°♒		
	-178 Jan 17 j 11:38	0°♓		
	-178 Feb 27 j 02:21	0°♈		
asc. node	-178 Mar 29 j 15:31	21°♈43'31		
evening set	-178 Apr 05 j 05:41	26°♈19'02		
	-178 Apr 10 j 13:19	0°♉		
	-178 May 24 j 22:55	0°♊		
conjunction	-178 May 28 j 16:35	2°♊28'12	0°34'01	
minimum elong	-178 May 28 j 15:15	2°♊25'59	0°34'00	
max. Earth dist.	-178 Jun 15 j 23:31	14°♊27'45	2.62492 AU	
	-178 Jul 10 j 00:23	0°♋		
morning rise	-178 Jul 16 j 16:01	4°♋15'43		
	-178 Aug 26 j 06:50	0°♌		
	-178 Oct 13 j 12:32	0°♍		

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-178 Dec 02 j 07:30	0°♎		
	-177 Jan 25 j 17:54	0°♏		
retrograde	-177 Apr 10 j 02:02	23°♏20'01		
desc. node	-177 Apr 16 j 18:38	23°♏03'26		
opposition	-177 May 12 j 21:38	17°♏12'05	-1°31'52	
greatest brilliancy	-177 May 13 j 08:20	17°♏03'36	-2.5m	
min. Earth dist.	-177 May 20 j 22:46	14°♏39'42	0.44118 AU	
direct	-177 Jun 17 j 14:49	9°♏47'46		
	-177 Aug 17 j 10:04	0°♐		
	-177 Oct 03 j 08:34	0°♑		
	-177 Nov 14 j 09:38	0°♒		
	-177 Dec 25 j 19:21	0°♓		
	-176 Feb 06 j 01:31	0°♈		
asc. node	-176 Feb 14 j 15:07	5°♈57'40		
	-176 Mar 20 j 19:38	0°♉		
	-176 May 05 j 03:33	0°♊		
evening set	-176 May 19 j 21:48	9°♊35'02		
	-176 Jun 20 j 16:03	0°♋		
conjunction	-176 Jul 06 j 22:06	10°♋22'33	1°04'19	
minimum elong	-176 Jul 06 j 21:12	10°♋21'08	1°04'20	
max. Earth dist.	-176 Jul 09 j 16:26	12°♋08'17	2.67109 AU	
	-176 Aug 06 j 17:24	0°♌		
morning rise	-176 Aug 21 j 04:34	9°♌13'20		
	-176 Sep 22 j 16:14	0°♍		
	-176 Nov 08 j 04:50	0°♎		
	-176 Dec 24 j 09:11	0°♏		
	-175 Feb 08 j 17:45	0°♐		
desc. node	-175 Mar 03 j 18:13	14°♐36'50		
	-175 Mar 28 j 20:07	0°♑		
	-175 May 27 j 11:18	0°♒		
retrograde	-175 Jun 27 j 09:05	5°♒47'00		
min. Earth dist.	-175 Jul 25 j 16:46	1°♒09'44	0.37644 AU	
opposition	-175 Jul 28 j 02:29	0°♒30'52	-6°52'38	
greatest brilliancy	-175 Jul 27 j 14:52	0°♒38'42	-2.9m	
	-175 Jul 30 j 00:23	30°℞♑		
direct	-175 Aug 26 j 17:35	25°♑34'33		
	-175 Sep 22 j 12:37	0°♒		
	-175 Nov 23 j 07:30	0°♓		
asc. node	-174 Jan 01 j 14:08	24°♓05'08		
	-174 Jan 10 j 23:01	0°♈		
	-174 Feb 27 j 03:19	0°♉		
	-174 Apr 15 j 11:44	0°♊		
	-174 Jun 02 j 03:01	0°♋		
evening set	-174 Jun 27 j 22:55	16°♋17'44		
	-174 Jul 19 j 13:15	0°♌		
max. Earth dist.	-174 Aug 01 j 20:30	8°♌29'54	2.66279 AU	
conjunction	-174 Aug 12 j 20:45	15°♌34'13	1°07'59	
minimum elong	-174 Aug 12 j 21:15	15°♌35'01	1°07'59	
	-174 Sep 04 j 02:54	0°♍		
morning rise	-174 Sep 26 j 15:20	14°♍48'18		
	-174 Oct 19 j 09:20	0°♎		
	-174 Dec 02 j 05:12	0°♏		
	-173 Jan 13 j 17:25	0°♐		
desc. node	-173 Jan 19 j 17:11	4°♐17'36		
	-173 Feb 24 j 05:47	0°♑		
	-173 Apr 06 j 10:25	0°♒		
	-173 May 18 j 19:25	0°♓		
	-173 Jul 06 j 04:20	0°♈		
retrograde	-173 Aug 29 j 21:54	17°♈04'32		
min. Earth dist.	-173 Sep 27 j 12:35	11°♈25'45	0.47440 AU	
opposition	-173 Oct 05 j 15:01	8°♈32'26	-2°20'54	
greatest brilliancy	-173 Oct 04 j 23:38	8°♈46'12	-2.3m	
direct	-173 Nov 07 j 20:56	1°♈36'47		
asc. node	-173 Nov 19 j 12:40	2°♈28'39		
	-172 Jan 29 j 16:39	0°♉		
	-172 Mar 23 j 06:52	0°♊		
	-172 May 12 j 12:57	0°♋		
	-172 Jun 30 j 01:52	0°♌		
evening set	-172 Aug 03 j 12:49	21°♌58'43		
	-172 Aug 15 j 20:30	0°♍		
max. Earth dist.	-172 Aug 26 j 09:26	6°♍56'11	2.60147 AU	
conjunction	-172 Sep 19 j 05:58	22°♍54'42	0°44'14	
minimum elong	-172 Sep 19 j 07:16	22°♍56'55	0°44'12	
	-172 Sep 29 j 15:30	0°♎		
morning rise	-172 Nov 06 j 03:44	26°♎13'32		
	-172 Nov 11 j 10:30	0°♏		
desc. node	-172 Dec 06 j 15:49	18°♏18'07		
	-172 Dec 22 j 11:35	0°♐		
	-171 Jan 31 j 05:57	0°♑		
	-171 Mar 11 j 09:29	0°♒		
	-171 Apr 19 j 19:32	0°♓		
	-171 May 30 j 19:01	0°♈		
	-171 Jul 14 j 17:10	0°♉		
	-171 Sep 12 j 23:18	0°♊		
asc. node	-171 Oct 06 j 11:57	4°♊47'50		
retrograde	-171 Oct 11 j 12:19	4°♊58'14		
	-171 Nov 07 j 05:36	30°℞♉		
min. Earth dist.	-171 Nov 14 j 12:29	27°♉16'32	0.59504 AU	
opposition	-171 Nov 20 j 00:17	25°♉05'53	1°52'31	
greatest brilliancy	-171 Nov 19 j 14:17	25°♉15'48	-1.7m	
direct	-171 Dec 27 j 05:23	16°♉28'51		
	-170 Feb 19 j 03:15	0°♊		
	-170 Apr 20 j 00:45	0°♋		
	-170 Jun 10 j 10:39	0°♌		
	-170 Jul 28 j 04:35	0°♍		
	-170 Sep 11 j 01:20	0°♎		
evening set	-170 Sep 13 j 09:45	1°♎37'21		
max. Earth dist.	-170 Sep 28 j 12:38	12°♎10'36	2.49323 AU	
	-170 Oct 23 j 09:49	0°♏		
desc. node	-170 Oct 24 j 15:33	0°♏54'07		
conjunction	-170 Nov 03 j 19:55	8°♏21'49	-0°06'35	
minimum elong	-170 Nov 03 j 19:34	8°♏21'11	0°06'34	
behind sun begin	-170 Nov 02 j 22:27	7°♏42'17		
behind sun end	-170 Nov 04 j 16:42	9°♏00'08		
	-170 Dec 02 j 17:41	0°♐		
morning rise	-170 Dec 31 j 02:47	21°♐46'51		
	-169 Jan 10 j 16:42	0°♑		
	-169 Feb 18 j 01:39	0°♒		
	-169 Mar 28 j 17:13	0°♓		
	-169 May 07 j 13:52	0°♈		
	-169 Jun 18 j 17:27	0°♉		
	-169 Aug 03 j 20:26	0°♊		
asc. node	-169 Aug 24 j 10:47	12°♊04'37		
	-169 Sep 29 j 06:08	0°♋		
retrograde	-169 Nov 16 j 12:51	11°♋51'58		
min. Earth dist.	-169 Dec 24 j 21:31	2°♋41'57	0.66483 AU	
opposition	-169 Dec 26 j 15:50	1°♋59'25	3°58'48	
greatest brilliancy	-169 Dec 26 j 08:36	2°♋06'41	-1.3m	
	-169 Dec 31 j 16:05	30°℞♊		
direct	-168 Feb 04 j 12:47	22°♊26'47		
	-168 Mar 14 j 10:22	0°♋		
	-168 May 17 j 12:45	0°♌		
	-168 Jul 07 j 03:44	0°♍		
	-168 Aug 21 j 20:41	0°♎		
desc. node	-168 Sep 10 j 14:34	13°♎43'10		
	-168 Oct 03 j 06:33	0°♏		
evening set	-168 Nov 02 j 11:02	22°♏28'52		
	-168 Nov 12 j 07:47	0°♐		
max. Earth dist.	-168 Dec 15 j 21:50	26°♐04'23	2.37542 AU	
	-168 Dec 20 j 21:49	0°♑		

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

conjunction	-167 Jan 03 j 10:02	10°♋38'26	-1°00'44
minimum elong	-167 Jan 03 j 07:57	10°♋34'21	1°00'43
	-167 Jan 27 j 22:48	0°♒	
	-167 Mar 07 j 08:35	0°♓	
morning rise	-167 Mar 14 j 03:00	5°♓12'26	
	-167 Apr 15 j 23:39	0°♈	
	-167 May 27 j 14:03	0°♉	
	-167 Jul 10 j 20:17	0°♊	
asc. node	-167 Jul 11 j 09:19	0°♊21'18	
	-167 Aug 27 j 21:38	0°♋	
	-167 Oct 23 j 11:32	0°♌	
retrograde	-167 Dec 20 j 04:57	15°♌21'19	
opposition	-166 Jan 28 j 18:17	5°♌58'56	4°37'23
greatest brilliancy	-166 Jan 29 j 01:17	5°♌51'59	-1.3m
min. Earth dist.	-166 Jan 30 j 20:57	5°♌08'42	0.67034 AU
	-166 Feb 14 j 00:03	30℞♋	
direct	-166 Mar 10 j 23:05	25°♋59'40	
	-166 Apr 07 j 03:27	0°♌	
	-166 Jun 13 j 04:35	0°♍	
desc. node	-166 Jul 29 j 12:52	28°♍27'26	
	-166 Jul 31 j 21:03	0°♎	
	-166 Sep 13 j 03:48	0°♏	
	-166 Oct 23 j 09:49	0°♐	
	-166 Nov 30 j 23:45	0°♑	
evening set	-165 Jan 08 j 23:45	0°♒45'28	
	-165 Jan 08 j 00:38	0°♒	
	-165 Feb 15 j 12:18	0°♓	
conjunction	-165 Mar 16 j 09:08	21°♓53'55	-0°43'14
minimum elong	-165 Mar 16 j 11:53	21°♓59'03	0°43'13
	-165 Mar 27 j 06:53	0°♈	
max. Earth dist.	-165 May 01 j 21:52	25°♈44'16	2.47522 AU
	-165 May 07 j 23:09	0°♉	
morning rise	-165 May 17 j 08:31	6°♉33'03	
asc. node	-165 May 29 j 09:05	14°♉49'40	
	-165 Jun 20 j 21:10	0°♊	
	-165 Aug 06 j 05:35	0°♋	
	-165 Sep 24 j 14:11	0°♌	
	-165 Nov 19 j 07:48	0°♍	
retrograde	-164 Jan 27 j 10:16	20°♍15'05	
opposition	-164 Mar 05 j 06:43	11°♍46'02	3°49'37
greatest brilliancy	-164 Mar 06 j 02:14	11°♍27'20	-1.6m
min. Earth dist.	-164 Mar 11 j 03:57	9°♍31'02	0.61021 AU
direct	-164 Apr 15 j 05:53	1°♍53'23	
desc. node	-164 Jun 15 j 11:44	19°♍59'26	
	-164 Jul 04 j 02:32	0°♎	
	-164 Aug 20 j 06:12	0°♏	
	-164 Sep 30 j 19:07	0°♐	
	-164 Nov 08 j 23:21	0°♑	
	-164 Dec 17 j 10:41	0°♒	
	-163 Jan 25 j 09:10	0°♓	
	-163 Mar 06 j 15:39	0°♈	
evening set	-163 Mar 15 j 00:21	6°♈04'02	
asc. node	-163 Apr 15 j 08:15	28°♈17'34	
	-163 Apr 17 j 19:07	0°♉	
conjunction	-163 May 10 j 19:23	15°♉47'51	0°15'14
minimum elong	-163 May 10 j 18:36	15°♉46'32	0°15'13
behind sun begin	-163 May 10 j 12:39	15°♉36'27	
behind sun end	-163 May 11 j 00:33	15°♉56'37	
	-163 May 31 j 23:06	0°♊	
max. Earth dist.	-163 Jun 05 j 09:10	2°♊55'52	2.59209 AU
morning rise	-163 Jul 01 j 09:00	19°♊57'13	
	-163 Jul 16 j 23:12	0°♋	
	-163 Sep 02 j 12:16	0°♌	
	-163 Oct 21 j 17:22	0°♍	
	-163 Dec 13 j 08:37	0°♎	
	-162 Feb 22 j 19:08	0°♏	
retrograde	-162 Mar 16 j 07:29	2°♏36'02	
	-162 Apr 05 j 18:19	30℞♎	
opposition	-162 Apr 19 j 23:15	25°♎37'59	0°42'40
greatest brilliancy	-162 Apr 20 j 05:38	25°♎32'28	-2.2m
min. Earth dist.	-162 Apr 28 j 10:42	22°♎43'14	0.49320 AU
desc. node	-162 May 03 j 11:00	21°♎07'08	
direct	-162 May 28 j 00:50	17°♎05'24	
	-162 Jul 14 j 17:04	0°♏	
	-162 Sep 03 j 07:52	0°♐	
	-162 Oct 15 j 11:01	0°♑	
	-162 Nov 24 j 14:43	0°♒	
	-161 Jan 03 j 20:32	0°♓	
	-161 Feb 14 j 06:13	0°♈	
asc. node	-161 Mar 03 j 06:32	11°♈59'22	
	-161 Mar 29 j 08:55	0°♉	
evening set	-161 May 04 j 06:46	24°♉05'32	
	-161 May 13 j 05:52	0°♊	
conjunction	-161 Jun 22 j 22:49	26°♊25'33	0°55'43
minimum elong	-161 Jun 22 j 21:32	26°♊23'29	0°55'43
	-161 Jun 28 j 12:24	0°♋	
max. Earth dist.	-161 Jul 01 j 08:42	1°♋49'31	2.65949 AU
morning rise	-161 Aug 08 j 05:59	25°♋59'08	
	-161 Aug 14 j 13:42	0°♌	
	-161 Sep 30 j 20:59	0°♍	
	-161 Nov 17 j 06:58	0°♎	
	-160 Jan 04 j 07:18	0°♏	
	-160 Feb 23 j 16:16	0°♐	
desc. node	-160 Mar 20 j 09:47	13°♐51'56	
	-160 Apr 27 j 18:19	0°♑	
retrograde	-160 May 26 j 03:50	4°♑39'10	
	-160 Jun 24 j 03:44	30℞♐	
opposition	-160 Jun 25 j 12:59	29°♐37'34	-5°43'14
greatest brilliancy	-160 Jun 26 j 01:55	29°♐28'49	-2.9m
min. Earth dist.	-160 Jun 28 j 13:04	28°♐48'56	0.38166 AU
direct	-160 Jul 26 j 12:46	24°♐15'28	
	-160 Aug 25 j 20:12	0°♑	
	-160 Oct 22 j 12:02	0°♒	
	-160 Dec 07 j 13:42	0°♓	
asc. node	-159 Jan 18 j 05:43	27°♓55'07	
	-159 Jan 21 j 08:26	0°♈	
	-159 Mar 07 j 16:37	0°♉	
	-159 Apr 23 j 00:45	0°♊	
	-159 Jun 09 j 03:05	0°♋	
evening set	-159 Jun 13 j 04:35	2°♋34'42	
max. Earth dist.	-159 Jul 23 j 19:57	28°♋23'50	2.67254 AU
	-159 Jul 26 j 08:18	0°♌	
conjunction	-159 Jul 29 j 13:47	2°♌03'35	1°09'45
minimum elong	-159 Jul 29 j 13:44	2°♌03'30	1°09'46
	-159 Sep 10 j 23:58	0°♍	
morning rise	-159 Sep 12 j 04:03	0°♍45'36	
	-159 Oct 26 j 15:26	0°♎	
	-159 Dec 10 j 03:42	0°♏	
	-158 Jan 22 j 16:13	0°♐	
desc. node	-158 Feb 05 j 09:28	9°♐34'00	
	-158 Mar 06 j 13:52	0°♑	
	-158 Apr 18 j 20:22	0°♒	
	-158 Jun 04 j 19:59	0°♓	
retrograde	-158 Aug 08 j 11:18	22°♓39'47	
min. Earth dist.	-158 Sep 04 j 08:28	17°♓50'02	0.42489 AU
greatest brilliancy	-158 Sep 10 j 22:30	15°♓42'43	-2.6m
opposition	-158 Sep 12 j 01:05	15°♓21'10	-4°34'44
direct	-158 Oct 13 j 09:19	9°♓20'43	
asc. node	-158 Dec 06 j 05:01	23°♓57'59	
	-158 Dec 18 j 19:36	0°♈	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-157 Feb 11 j 01:30	0°♉	
	-157 Apr 02 j 03:23	0°♊	
	-157 May 21 j 01:52	0°♋	
	-157 Jul 08 j 01:44	0°♌	
evening set	-157 Jul 20 j 18:58	8°♌04'59	
max. Earth dist.	-157 Aug 16 j 23:06	25°♌35'26	2.63186 AU
	-157 Aug 23 j 17:12	0°♍	
conjunction	-157 Sep 04 j 19:16	7°♍57'01	0°56'47
minimum elong	-157 Sep 04 j 20:26	7°♍58'56	0°56'47
	-157 Oct 07 j 15:39	0°♎	
morning rise	-157 Oct 20 j 22:28	9°♎06'43	
	-157 Nov 19 j 18:39	0°♏	
desc. node	-157 Dec 24 j 09:08	24°♏56'21	
	-157 Dec 31 j 06:48	0°♐	
	-156 Feb 09 j 13:24	0°♑	
	-156 Mar 20 j 05:37	0°♒	
	-156 Apr 29 j 06:49	0°♓	
	-156 Jun 10 j 09:47	0°♈	
	-156 Jul 29 j 04:18	0°♉	
retrograde	-156 Sep 25 j 22:44	18°♉27'39	
asc. node	-156 Oct 23 j 02:52	13°♉16'10	
min. Earth dist.	-156 Oct 27 j 22:35	11°♉29'39	0.55227 AU
opposition	-156 Nov 03 j 17:28	8°♉51'48	0°32'16
greatest brilliancy	-156 Nov 03 j 13:49	8°♉55'19	-1.9m
direct	-156 Dec 09 j 12:47	0°♉47'28	
	-155 Mar 05 j 21:09	0°♊	
	-155 Apr 29 j 01:32	0°♋	
	-155 Jun 18 j 00:24	0°♌	
	-155 Aug 04 j 06:48	0°♍	
evening set	-155 Aug 27 j 18:15	15°♍31'12	
max. Earth dist.	-155 Sep 14 j 01:25	27°♍14'20	2.54058 AU
	-155 Sep 18 j 01:57	0°♎	
conjunction	-155 Oct 15 j 16:51	19°♎19'38	0°16'00
minimum elong	-155 Oct 15 j 17:35	19°♎20'54	0°15'59
behind sun begin	-155 Oct 15 j 13:52	19°♎14'19	
behind sun end	-155 Oct 15 j 21:17	19°♎27'29	
	-155 Oct 30 j 13:47	0°♏	
desc. node	-155 Nov 10 j 07:51	7°♏49'39	
morning rise	-155 Dec 07 j 06:49	27°♏50'34	
	-155 Dec 10 j 03:34	0°♐	
	-154 Jan 18 j 08:58	0°♑	
	-154 Feb 25 j 23:33	0°♒	
	-154 Apr 05 j 19:57	0°♓	
	-154 May 15 j 22:21	0°♈	
	-154 Jun 27 j 15:14	0°♉	
	-154 Aug 14 j 17:00	0°♊	
asc. node	-154 Sep 10 j 02:20	13°♊42'42	
retrograde	-154 Nov 02 j 23:33	28°♊25'29	
min. Earth dist.	-154 Dec 09 j 18:21	19°♊46'46	0.64478 AU
opposition	-154 Dec 13 j 00:49	18°♊27'58	3°21'52
greatest brilliancy	-154 Dec 12 j 14:12	18°♊38'37	-1.4m
direct	-153 Jan 21 j 00:55	9°♊13'10	
	-153 Apr 01 j 15:09	0°♋	
	-153 May 27 j 18:57	0°♌	
	-153 Jul 15 j 22:12	0°♍	
	-153 Aug 30 j 04:52	0°♎	
desc. node	-153 Sep 28 j 06:24	20°♎23'43	
	-153 Oct 11 j 13:08	0°♏	
evening set	-153 Oct 12 j 19:24	0°♏55'16	
max. Earth dist.	-153 Oct 31 j 13:26	14°♏47'16	2.41528 AU
	-153 Nov 20 j 16:21	0°♐	
conjunction	-153 Dec 08 j 23:53	14°♐05'53	-0°43'34
minimum elong	-153 Dec 08 j 21:24	14°♐01'04	0°43'34
	-153 Dec 29 j 09:15	0°♑	

	-152 Feb 05 j 12:36	0°♒	
morning rise	-152 Feb 13 j 02:05	5°♒56'20	
	-152 Mar 14 j 23:43	0°♓	
	-152 Apr 23 j 15:23	0°♈	
	-152 Jun 04 j 07:49	0°♉	
	-152 Jul 18 j 23:35	0°♊	
asc. node	-152 Jul 28 j 02:35	5°♊48'57	
	-152 Sep 06 j 14:44	0°♋	
	-152 Nov 15 j 06:18	0°♌	
retrograde	-152 Dec 06 j 14:11	2°♌36'12	
	-152 Dec 26 j 10:29	30°℞♋	
opposition	-151 Jan 15 j 11:56	22°♋59'19	4°31'49
greatest brilliancy	-151 Jan 15 j 12:50	22°♋58'25	-1.3m
min. Earth dist.	-151 Jan 16 j 01:52	22°♋45'23	0.67598 AU
direct	-151 Feb 25 j 08:20	13°♋07'18	
	-151 Apr 28 j 01:51	0°♌	
	-151 Jun 23 j 01:06	0°♍	
	-151 Aug 09 j 03:08	0°♎	
desc. node	-151 Aug 15 j 05:14	4°♎07'14	
	-151 Sep 20 j 22:40	0°♏	
	-151 Oct 31 j 01:27	0°♐	
	-151 Dec 08 j 14:22	0°♑	
evening set	-151 Dec 12 j 02:41	2°♑46'05	
	-150 Jan 15 j 14:17	0°♒	
conjunction	-150 Feb 17 j 05:48	25°♒32'33	-1°00'27
minimum elong	-150 Feb 17 j 08:06	25°♒37'00	1°00'27
	-150 Feb 23 j 00:16	0°♓	
	-150 Apr 03 j 16:23	0°♈	
max. Earth dist.	-150 Apr 08 j 22:31	3°♈52'41	2.42189 AU
morning rise	-150 Apr 25 j 01:32	15°♈37'10	
	-150 May 15 j 06:25	0°♉	
asc. node	-150 Jun 15 j 00:58	21°♉11'23	
	-150 Jun 28 j 05:04	0°♊	
	-150 Aug 13 j 22:52	0°♋	
	-150 Oct 03 j 20:15	0°♌	
	-150 Dec 07 j 13:54	0°♍	
retrograde	-149 Jan 11 j 18:53	6°♍23'07	
	-149 Feb 12 j 20:56	30°℞♌	
opposition	-149 Feb 19 j 11:00	27°♌29'52	4°20'01
greatest brilliancy	-149 Feb 20 j 02:46	27°♌14'31	-1.4m
min. Earth dist.	-149 Feb 23 j 21:28	25°♌46'13	0.64141 AU
direct	-149 Apr 01 j 17:42	17°♌29'22	
	-149 May 22 j 00:33	0°♍	
desc. node	-149 Jul 03 j 04:05	21°♍52'07	
	-149 Jul 16 j 14:15	0°♎	
	-149 Aug 30 j 12:14	0°♏	
	-149 Oct 10 j 08:12	0°♐	
	-149 Nov 18 j 04:24	0°♑	
	-149 Dec 26 j 09:45	0°♒	
	-148 Feb 03 j 02:17	0°♓	
evening set	-148 Feb 20 j 05:16	12°♓59'40	
	-148 Mar 14 j 02:25	0°♈	
conjunction	-148 Apr 20 j 22:54	27°♈10'16	-0°06'49
minimum elong	-148 Apr 20 j 23:19	27°♈11'01	0°06'48
behind sun begin	-148 Apr 20 j 01:16	26°♈32'19	
behind sun end	-148 Apr 21 j 21:22	27°♈49'40	
	-148 Apr 24 j 23:52	0°♉	
asc. node	-148 May 01 j 23:40	4°♉51'55	
max. Earth dist.	-148 May 24 j 15:57	20°♉23'11	2.55160 AU
	-148 Jun 07 j 23:49	0°♊	
morning rise	-148 Jun 14 j 21:33	4°♊35'02	
	-148 Jul 24 j 00:39	0°♋	
	-148 Sep 10 j 00:43	0°♌	
	-148 Oct 30 j 18:00	0°♍	
	-148 Dec 28 j 03:50	0°♎	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

retrograde	-147 Feb 23 j 08:08	14°♎50'14	
opposition	-147 Mar 31 j 10:47	7°♎10'32	2°18'24
greatest brilliancy	-147 Apr 01 j 04:04	6°♎54'47	-1.9m
min. Earth dist.	-147 Apr 08 j 05:49	4°♎20'34	0.54397 AU
	-147 Apr 22 j 12:03	30°℞♍	
direct	-147 May 10 j 02:13	27°♍53'09	
desc. node	-147 May 20 j 02:49	28°♍32'15	
	-147 May 28 j 10:33	0°♎	
	-147 Aug 01 j 17:36	0°♏	
	-147 Sep 15 j 04:06	0°♐	
	-147 Oct 25 j 13:02	0°♑	
	-147 Dec 03 j 18:09	0°♒	
	-146 Jan 12 j 07:22	0°♓	
	-146 Feb 22 j 03:10	0°♈	
asc. node	-146 Mar 19 j 23:06	18°♈20'22	
	-146 Apr 05 j 18:16	0°♉	
evening set	-146 Apr 16 j 06:15	7°♉11'16	
	-146 May 20 j 06:36	0°♊	
conjunction	-146 Jun 07 j 04:14	11°♊45'17	0°43'06
minimum elong	-146 Jun 07 j 02:48	11°♊42'58	0°43'05
max. Earth dist.	-146 Jun 21 j 18:31	21°♊14'18	2.63951 AU
	-146 Jul 05 j 08:50	0°♋	
morning rise	-146 Jul 25 j 00:39	12°♋34'24	
	-146 Aug 21 j 12:20	0°♌	
	-146 Oct 08 j 08:21	0°♍	
	-146 Nov 26 j 01:57	0°♎	
	-145 Jan 16 j 06:39	0°♏	
	-145 Mar 20 j 00:15	0°♐	
desc. node	-145 Apr 07 j 02:50	5°♐09'16	
retrograde	-145 Apr 26 j 00:42	7°♐12'47	
opposition	-145 May 27 j 17:06	1°♐33'42	-3°04'01
greatest brilliancy	-145 May 28 j 10:47	1°♐20'27	-2.7m
	-145 Jun 01 j 22:00	30°℞♏	
min. Earth dist.	-145 Jun 03 j 15:42	29°♏29'14	0.41483 AU
direct	-145 Jun 30 j 19:30	24°♏54'59	
	-145 Jul 28 j 19:36	0°♐	
	-145 Sep 23 j 23:59	0°♑	
	-145 Nov 07 j 04:04	0°♒	
	-145 Dec 19 j 14:42	0°♓	
	-144 Jan 31 j 12:30	0°♈	
asc. node	-144 Feb 04 j 20:57	2°♈59'57	
	-144 Mar 15 j 17:09	0°♉	
	-144 Apr 30 j 08:02	0°♊	
evening set	-144 May 28 j 23:18	18°♊27'25	
	-144 Jun 16 j 00:35	0°♋	
conjunction	-144 Jul 15 j 06:16	18°♋37'39	1°07'28
minimum elong	-144 Jul 15 j 05:40	18°♋36'41	1°07'29
max. Earth dist.	-144 Jul 14 j 22:57	18°♋26'00	2.67404 AU
	-144 Aug 02 j 02:41	0°♌	
morning rise	-144 Aug 29 j 03:36	17°♌16'52	
	-144 Sep 17 j 22:31	0°♍	
	-144 Nov 03 j 02:39	0°♎	
	-144 Dec 18 j 14:16	0°♏	
	-143 Feb 01 j 16:28	0°♐	
desc. node	-143 Feb 22 j 02:06	13°♐33'00	
	-143 Mar 19 j 03:20	0°♑	
	-143 May 06 j 18:52	0°♒	
retrograde	-143 Jul 13 j 18:51	23°♒47'06	
min. Earth dist.	-143 Aug 09 j 18:37	19°♒20'35	0.38680 AU
opposition	-143 Aug 14 j 18:36	17°♒55'00	-6°28'45
greatest brilliancy	-143 Aug 13 j 19:21	18°♒11'37	-2.8m
direct	-143 Sep 13 j 14:09	12°♒45'18	
	-143 Nov 10 j 20:22	0°♓	
asc. node	-143 Dec 22 j 19:53	23°♓05'59	
	-142 Jan 03 j 09:46	0°♈	
	-142 Feb 21 j 04:28	0°♉	
	-142 Apr 10 j 07:02	0°♊	
	-142 May 28 j 07:48	0°♋	
evening set	-142 Jul 06 j 07:34	24°♋32'05	
	-142 Jul 14 j 22:19	0°♌	
max. Earth dist.	-142 Aug 07 j 06:46	14°♌55'57	2.65401 AU
conjunction	-142 Aug 21 j 03:03	23°♌52'44	1°05'04
minimum elong	-142 Aug 21 j 03:50	23°♌54'01	1°05'04
	-142 Aug 30 j 12:35	0°♍	
morning rise	-142 Oct 05 j 04:58	23°♍37'30	
	-142 Oct 14 j 16:05	0°♎	
	-142 Nov 27 j 05:31	0°♏	
	-141 Jan 08 j 08:19	0°♐	
desc. node	-141 Jan 10 j 00:42	1°♐13'03	
	-141 Feb 18 j 08:26	0°♑	
	-141 Mar 30 j 20:48	0°♒	
	-141 May 11 j 02:10	0°♓	
	-141 Jun 24 j 20:16	0°♈	
retrograde	-141 Sep 09 j 16:39	29°♈33'14	
min. Earth dist.	-141 Oct 09 j 12:32	23°♈24'58	0.50281 AU
opposition	-141 Oct 17 j 07:06	20°♈31'56	-1°11'17
greatest brilliancy	-141 Oct 16 j 23:22	20°♈39'07	-2.2m
asc. node	-141 Nov 09 j 19:44	13°♈55'43	
direct	-141 Nov 20 j 11:18	13°♈09'18	
	-140 Jan 19 j 14:24	0°♉	
	-140 Mar 16 j 23:12	0°♊	
	-140 May 07 j 07:21	0°♋	
	-140 Jun 25 j 06:52	0°♌	
	-140 Aug 11 j 05:43	0°♍	
evening set	-140 Aug 12 j 03:51	0°♍36'12	
max. Earth dist.	-140 Sep 01 j 19:27	14°♍15'37	2.58177 AU
	-140 Sep 25 j 01:08	0°♎	
conjunction	-140 Sep 28 j 11:29	2°♎21'32	0°35'03
minimum elong	-140 Sep 28 j 12:43	2°♎23'39	0°35'02
	-140 Nov 06 j 17:46	0°♏	
morning rise	-140 Nov 16 j 17:35	7°♏13'21	
desc. node	-140 Nov 26 j 23:54	14°♏43'06	
	-140 Dec 17 j 14:47	0°♐	
	-139 Jan 26 j 04:10	0°♑	
	-139 Mar 06 j 02:14	0°♒	
	-139 Apr 14 j 06:05	0°♓	
	-139 May 24 j 19:08	0°♈	
	-139 Jul 07 j 13:43	0°♉	
	-139 Aug 29 j 05:16	0°♊	
asc. node	-139 Sep 26 j 18:39	10°♊48'38	
retrograde	-139 Oct 19 j 21:57	14°♊07'11	
min. Earth dist.	-139 Nov 23 j 23:03	6°♊04'00	0.61530 AU
opposition	-139 Nov 28 j 16:36	4°♊10'43	2°30'13
greatest brilliancy	-139 Nov 28 j 05:15	4°♊22'02	-1.6m
	-139 Dec 09 j 20:12	30°℞♉	
direct	-138 Jan 05 j 14:34	25°♉18'39	
	-138 Feb 04 j 04:49	0°♊	
	-138 Apr 13 j 10:45	0°♋	
	-138 Jun 05 j 03:54	0°♌	
	-138 Jul 23 j 08:38	0°♍	
	-138 Sep 06 j 09:14	0°♎	
evening set	-138 Sep 23 j 13:00	11°♎56'38	
max. Earth dist.	-138 Oct 08 j 12:28	22°♎35'49	2.46574 AU
desc. node	-138 Oct 14 j 22:44	27°♎14'05	
	-138 Oct 18 j 18:07	0°♏	
conjunction	-138 Nov 15 j 17:09	20°♏41'18	-0°20'19
minimum elong	-138 Nov 15 j 15:58	20°♏39'05	0°20'18
	-138 Nov 28 j 00:46	0°♐	
	-137 Jan 05 j 21:44	0°♑	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

morning rise	-137 Jan 15 j 01:37	7°♋09'53	
	-137 Feb 13 j 04:18	0°♒	
	-137 Mar 23 j 17:32	0°♓	
	-137 May 02 j 11:07	0°♈	
	-137 Jun 13 j 08:18	0°♉	
	-137 Jul 28 j 17:16	0°♊	
asc. node	-137 Aug 14 j 17:19	10°♊23'08	
	-137 Sep 19 j 09:45	0°♋	
retrograde	-137 Nov 24 j 05:19	19°♋47'56	
min. Earth dist.	-136 Jan 02 j 09:07	10°♋22'35	0.67157 AU
opposition	-136 Jan 03 j 07:44	9°♋59'53	4°14'31
greatest brilliancy	-136 Jan 03 j 03:05	10°♋04'33	-1.3m
direct	-136 Feb 12 j 14:45	0°♋19'15	
	-136 May 10 j 17:11	0°♌	
	-136 Jul 01 j 18:27	0°♍	
	-136 Aug 16 j 22:00	0°♎	
desc. node	-136 Aug 31 j 20:58	10°♎18'18	
	-136 Sep 28 j 11:20	0°♏	
	-136 Nov 07 j 13:24	0°♐	
evening set	-136 Nov 16 j 00:47	6°♐30'57	
	-136 Dec 16 j 03:14	0°♑	
conjunction	-135 Jan 19 j 10:23	27°♑03'56	-1°05'03
minimum elong	-135 Jan 19 j 09:45	27°♑02'41	1°05'03
	-135 Jan 23 j 03:40	0°♒	
max. Earth dist.	-135 Feb 17 j 22:07	20°♒12'36	2.37667 AU
	-135 Mar 02 j 13:06	0°♓	
morning rise	-135 Mar 30 j 04:47	21°♓04'30	
	-135 Apr 11 j 03:45	0°♈	
	-135 May 22 j 16:38	0°♉	
asc. node	-135 Jul 01 j 17:12	27°♉19'50	
	-135 Jul 05 j 18:09	0°♊	
	-135 Aug 22 j 03:36	0°♋	
	-135 Oct 14 j 18:24	0°♌	
retrograde	-135 Dec 28 j 04:55	23°♌10'53	
opposition	-134 Feb 05 j 12:07	13°♌57'43	4°34'48
greatest brilliancy	-134 Feb 05 j 22:27	13°♌47'32	-1.3m
min. Earth dist.	-134 Feb 08 j 10:35	12°♌48'14	0.66285 AU
direct	-134 Mar 18 j 19:41	3°♌56'28	
	-134 Jun 05 j 21:19	0°♍	
desc. node	-134 Jul 19 j 20:37	25°♍54'16	
	-134 Jul 26 j 05:24	0°♎	
	-134 Sep 07 j 23:39	0°♏	
	-134 Oct 18 j 09:57	0°♐	
	-134 Nov 26 j 01:39	0°♑	
	-133 Jan 03 j 03:28	0°♒	
evening set	-133 Jan 24 j 19:20	16°♒57'17	
	-133 Feb 10 j 16:09	0°♓	
	-133 Mar 22 j 11:54	0°♈	
conjunction	-133 Mar 30 j 12:06	5°♈52'39	-0°30'21
minimum elong	-133 Mar 30 j 14:08	5°♈56'22	0°30'20
	-133 May 03 j 04:57	0°♉	
max. Earth dist.	-133 May 11 j 15:30	5°♉53'14	2.50423 AU
asc. node	-133 May 19 j 15:20	11°♉24'36	
morning rise	-133 May 28 j 17:27	17°♉37'38	
	-133 Jun 16 j 02:32	0°♊	
	-133 Aug 01 j 06:25	0°♋	
	-133 Sep 18 j 23:32	0°♌	
	-133 Nov 11 j 05:08	0°♍	
retrograde	-132 Feb 05 j 23:18	29°♍03'23	
opposition	-132 Mar 14 j 06:50	20°♍49'46	3°22'56
greatest brilliancy	-132 Mar 15 j 02:54	20°♍30'49	-1.7m
min. Earth dist.	-132 Mar 20 j 21:45	18°♍20'01	0.58916 AU
direct	-132 Apr 23 j 22:06	11°♍05'47	
desc. node	-132 Jun 05 j 20:05	21°♍02'16	
	-132 Jun 25 j 00:51	0°♎	
	-132 Aug 13 j 20:30	0°♏	
	-132 Sep 25 j 02:56	0°♐	
	-132 Nov 03 j 14:54	0°♑	
	-132 Dec 12 j 06:43	0°♒	
	-131 Jan 20 j 08:46	0°♓	
	-131 Mar 01 j 18:26	0°♈	
evening set	-131 Mar 27 j 09:20	18°♈21'29	
asc. node	-131 Apr 05 j 13:39	24°♈48'35	
	-131 Apr 13 j 00:33	0°♉	
conjunction	-131 May 21 j 05:53	25°♉59'27	0°26'34
minimum elong	-131 May 21 j 04:43	25°♉57'30	0°26'33
	-131 May 27 j 06:24	0°♊	
max. Earth dist.	-131 Jun 11 j 17:49	10°♊12'38	2.61134 AU
morning rise	-131 Jul 10 j 06:33	28°♊43'33	
	-131 Jul 12 j 06:09	0°♋	
	-131 Aug 28 j 14:27	0°♌	
	-131 Oct 16 j 04:46	0°♍	
	-131 Dec 05 j 23:32	0°♎	
	-130 Feb 02 j 05:49	0°♏	
retrograde	-130 Mar 29 j 18:29	14°♏21'01	
desc. node	-130 Apr 23 j 18:19	10°♏32'58	
opposition	-130 May 02 j 10:44	7°♏49'55	-0°29'16
greatest brilliancy	-130 May 02 j 14:29	7°♏46'49	-2.4m
min. Earth dist.	-130 May 10 j 21:27	5°♏03'10	0.46418 AU
	-130 Jun 03 j 23:53	30°℞♎	
direct	-130 Jun 08 j 08:30	29°♎52'07	
	-130 Jun 12 j 17:30	0°♏	
	-130 Aug 25 j 04:36	0°♐	
	-130 Oct 08 j 09:52	0°♑	
	-130 Nov 18 j 10:53	0°♒	
	-130 Dec 29 j 05:44	0°♓	
	-129 Feb 09 j 00:50	0°♈	
asc. node	-129 Feb 21 j 13:30	8°♈47'08	
	-129 Mar 24 j 10:16	0°♉	
	-129 May 08 j 11:59	0°♊	
evening set	-129 May 13 j 22:41	3°♊33'39	
	-129 Jun 23 j 20:56	0°♋	
conjunction	-129 Jul 01 j 14:58	4°♋57'38	1°01'13
minimum elong	-129 Jul 01 j 13:53	4°♋55'55	1°01'12
max. Earth dist.	-129 Jul 06 j 20:04	8°♋17'32	2.66697 AU
	-129 Aug 09 j 21:48	0°♌	
morning rise	-129 Aug 16 j 06:45	4°♌03'16	
	-129 Sep 26 j 00:14	0°♍	
	-129 Nov 11 j 21:36	0°♎	
	-129 Dec 28 j 18:59	0°♏	
	-128 Feb 14 j 12:56	0°♐	
desc. node	-128 Mar 10 j 17:41	15°♐10'36	
	-128 Apr 06 j 04:11	0°♑	
retrograde	-128 Jun 13 j 14:31	22°♑21'10	
opposition	-128 Jul 13 j 18:56	17°♑20'27	-6°39'49
greatest brilliancy	-128 Jul 13 j 19:24	17°♑20'09	-2.9m
min. Earth dist.	-128 Jul 13 j 20:22	17°♑19'31	0.37473 AU
direct	-128 Aug 12 j 16:54	12°♑21'25	
	-128 Oct 09 j 07:16	0°♒	
	-128 Nov 29 j 10:04	0°♓	
asc. node	-127 Jan 08 j 12:35	25°♓48'33	
	-127 Jan 14 j 23:16	0°♈	
	-127 Mar 02 j 04:39	0°♉	
	-127 Apr 18 j 00:47	0°♊	
	-127 Jun 04 j 09:36	0°♋	
evening set	-127 Jun 21 j 16:57	10°♋56'39	
	-127 Jul 21 j 17:29	0°♌	
max. Earth dist.	-127 Jul 29 j 03:55	4°♌44'35	2.66818 AU
conjunction	-127 Aug 06 j 18:30	10°♌15'03	1°09'11

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

minimum elong	-127 Aug 06 j 18:46	10°♌15'29	1°09'12
	-127 Sep 06 j 08:30	0°♍	
morning rise	-127 Sep 20 j 09:32	9°♍10'44	
	-127 Oct 21 j 19:25	0°♎	
	-127 Dec 04 j 22:54	0°♏	
	-126 Jan 16 j 21:35	0°♐	
desc. node	-126 Jan 26 j 17:11	6°♐57'22	
	-126 Feb 27 j 23:16	0°♑	
	-126 Apr 10 j 21:25	0°♒	
	-126 May 24 j 14:32	0°♓	
	-126 Jul 18 j 00:45	0°♈	
retrograde	-126 Aug 21 j 01:53	7°♈26'02	
min. Earth dist.	-126 Sep 17 j 19:30	2°♈10'02	0.45149 AU
	-126 Sep 24 j 03:28	30°℞♓	
opposition	-126 Sep 25 j 21:41	29°♓23'31	-3°17'36
greatest brilliancy	-126 Sep 25 j 00:45	29°♓41'35	-2.4m
direct	-126 Oct 28 j 07:39	22°♓51'47	
asc. node	-126 Nov 26 j 11:07	27°♓46'52	
	-126 Dec 03 j 03:32	0°♈	
	-125 Feb 03 j 14:11	0°♉	
	-125 Mar 27 j 09:58	0°♊	
	-125 May 16 j 01:12	0°♋	
	-125 Jul 03 j 08:28	0°♌	
evening set	-125 Jul 29 j 04:52	16°♌26'59	
	-125 Aug 19 j 02:29	0°♍	
max. Earth dist.	-125 Aug 22 j 21:06	2°♍28'28	2.61599 AU
conjunction	-125 Sep 13 j 12:57	16°♍50'16	0°50'01
minimum elong	-125 Sep 13 j 14:14	16°♍52'24	0°50'00
	-125 Oct 02 j 23:54	0°♎	
morning rise	-125 Oct 30 j 13:23	19°♎05'27	
	-125 Nov 14 j 23:22	0°♏	
desc. node	-125 Dec 14 j 15:43	21°♏27'44	
	-125 Dec 26 j 05:58	0°♐	
	-124 Feb 04 j 06:08	0°♑	
	-124 Mar 14 j 14:53	0°♒	
	-124 Apr 23 j 06:19	0°♓	
	-124 Jun 03 j 14:16	0°♈	
	-124 Jul 19 j 14:00	0°♉	
retrograde	-124 Oct 04 j 23:30	28°♉32'37	
asc. node	-124 Oct 13 j 10:21	28°♉01'36	
min. Earth dist.	-124 Nov 07 j 02:38	21°♉10'14	0.57679 AU
opposition	-124 Nov 13 j 05:28	18°♉45'57	1°21'20
greatest brilliancy	-124 Nov 12 j 21:21	18°♉53'56	-1.8m
direct	-124 Dec 19 j 20:11	10°♉22'43	
	-123 Feb 25 j 05:00	0°♊	
	-123 Apr 23 j 05:11	0°♋	
	-123 Jun 12 j 23:41	0°♌	
	-123 Jul 30 j 13:37	0°♍	
evening set	-123 Sep 06 j 02:26	24°♍58'11	
	-123 Sep 13 j 10:49	0°♎	
max. Earth dist.	-123 Sep 21 j 23:06	5°♎53'11	2.51492 AU
	-123 Oct 25 j 21:48	0°♏	
conjunction	-123 Oct 26 j 07:26	0°♏17'27	0°03'26
minimum elong	-123 Oct 26 j 07:34	0°♏17'42	0°03'25
behind sun begin	-123 Oct 25 j 09:53	29°♎38'23	
behind sun end	-123 Oct 27 j 05:16	0°♏57'04	
desc. node	-123 Oct 31 j 15:05	4°♏09'43	
	-123 Dec 05 j 09:00	0°♐	
morning rise	-123 Dec 20 j 08:06	11°♐23'13	
	-122 Jan 13 j 11:15	0°♑	
	-122 Feb 20 j 22:34	0°♒	
	-122 Mar 31 j 15:39	0°♓	
	-122 May 10 j 13:37	0°♈	
	-122 Jun 21 j 20:19	0°♉	
	-122 Aug 07 j 12:47	0°♊	
asc. node	-122 Aug 31 j 09:41	13°♊28'34	
	-122 Oct 07 j 04:55	0°♋	
retrograde	-122 Nov 10 j 18:58	6°♋39'13	
	-122 Dec 12 j 15:54	30°℞♊	
min. Earth dist.	-122 Dec 18 j 11:17	27°♊43'02	0.65713 AU
opposition	-122 Dec 20 j 22:12	26°♊43'52	3°45'02
greatest brilliancy	-122 Dec 20 j 13:10	26°♊52'56	-1.4m
direct	-121 Jan 29 j 11:00	17°♊18'45	
	-121 Mar 22 j 20:42	0°♋	
	-121 May 21 j 20:10	0°♌	
	-121 Jul 10 j 20:21	0°♍	
	-121 Aug 25 j 10:10	0°♎	
desc. node	-121 Sep 18 j 14:29	16°♎51'39	
	-121 Oct 06 j 20:35	0°♏	
evening set	-121 Oct 24 j 16:55	13°♏10'02	
	-121 Nov 15 j 23:32	0°♐	
max. Earth dist.	-121 Nov 20 j 16:31	3°♐36'21	2.39016 AU
conjunction	-121 Dec 23 j 12:31	29°♐07'32	-0°54'31
minimum elong	-121 Dec 23 j 09:56	29°♐02'29	0°54'31
	-121 Dec 24 j 15:15	0°♑	
	-120 Jan 31 j 17:02	0°♒	
morning rise	-120 Mar 01 j 02:56	23°♒02'10	
	-120 Mar 10 j 02:41	0°♓	
	-120 Apr 18 j 16:55	0°♈	
	-120 May 30 j 06:27	0°♉	
	-120 Jul 13 j 14:28	0°♊	
asc. node	-120 Jul 18 j 07:56	3°♊03'57	
	-120 Aug 31 j 02:42	0°♋	
	-120 Oct 29 j 15:21	0°♌	
retrograde	-120 Dec 14 j 08:39	10°♌22'03	
opposition	-119 Jan 23 j 02:28	0°♌52'39	4°36'20
greatest brilliancy	-119 Jan 23 j 06:42	0°♌48'26	-1.3m
min. Earth dist.	-119 Jan 24 j 12:24	0°♌18'54	0.67424 AU
	-119 Jan 25 j 07:26	30°℞♋	
direct	-119 Mar 05 j 04:37	20°♋56'12	
	-119 Apr 16 j 23:43	0°♌	
	-119 Jun 16 j 20:21	0°♍	
	-119 Aug 03 j 20:37	0°♎	
desc. node	-119 Aug 05 j 12:57	1°♎07'10	
	-119 Sep 15 j 23:43	0°♏	
	-119 Oct 26 j 05:12	0°♐	
	-119 Dec 03 j 19:10	0°♑	
evening set	-119 Dec 27 j 16:31	18°♑51'13	
	-118 Jan 10 j 19:25	0°♒	
	-118 Feb 18 j 05:35	0°♓	
conjunction	-118 Mar 04 j 20:58	11°♓12'32	-0°51'46
minimum elong	-118 Mar 04 j 23:52	11°♓18'03	0°51'44
	-118 Mar 29 j 21:57	0°♈	
max. Earth dist.	-118 Apr 23 j 09:20	17°♈50'54	2.45128 AU
morning rise	-118 May 08 j 02:40	28°♈19'39	
	-118 May 10 j 11:39	0°♉	
asc. node	-118 Jun 05 j 07:17	17°♉51'35	
	-118 Jun 23 j 08:16	0°♊	
	-118 Aug 08 j 18:29	0°♋	
	-118 Sep 27 j 14:39	0°♌	
	-118 Nov 24 j 18:11	0°♍	
retrograde	-117 Jan 20 j 13:20	14°♍40'02	
opposition	-117 Feb 27 j 19:31	5°♍59'24	4°04'10
greatest brilliancy	-117 Feb 28 j 13:32	5°♍42'00	-1.5m
min. Earth dist.	-117 Mar 05 j 01:16	3°♍58'09	0.62542 AU
	-117 Mar 16 j 08:00	30°℞♌	
direct	-117 Apr 09 j 23:22	26°♌02'18	
	-117 May 06 j 08:34	0°♍	
desc. node	-117 Jun 23 j 11:40	20°♍45'50	
	-117 Jul 09 j 15:51	0°♎	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-117 Aug 24 j 18:49	0°♏	
	-117 Oct 05 j 00:34	0°♐	
	-117 Nov 13 j 01:28	0°♑	
	-117 Dec 21 j 09:45	0°♒	
	-116 Jan 29 j 04:43	0°♓	
evening set	-116 Mar 05 j 00:32	26°♓51'33	
	-116 Mar 09 j 07:15	0°♈	
	-116 Apr 20 j 06:32	0°♉	
asc. node	-116 Apr 22 j 06:42	1°♉23'55	
conjunction	-116 May 02 j 12:33	8°♉29'15	0°06'15
minimum elong	-116 May 02 j 12:12	8°♉28'38	0°06'15
behind sun begin	-116 May 01 j 14:41	7°♉51'37	
behind sun end	-116 May 03 j 09:43	9°♉05'37	
max. Earth dist.	-116 May 31 j 17:12	28°♉16'24	2.57485 AU
	-116 Jun 03 j 07:21	0°♊	
morning rise	-116 Jun 24 j 11:44	13°♊58'29	
	-116 Jul 19 j 06:17	0°♋	
	-116 Sep 04 j 22:40	0°♌	
	-116 Oct 24 j 16:24	0°♍	
	-116 Dec 18 j 02:48	0°♎	
retrograde	-115 Mar 06 j 19:12	25°♎04'16	
opposition	-115 Apr 11 j 04:05	17°♎46'26	1°27'40
greatest brilliancy	-115 Apr 11 j 16:17	17°♎35'38	-2.1m
min. Earth dist.	-115 Apr 19 j 11:05	14°♎50'47	0.51650 AU
desc. node	-115 May 10 j 10:53	9°♎29'13	
direct	-115 May 20 j 01:24	8°♎51'07	
	-115 Jul 23 j 02:49	0°♏	
	-115 Sep 08 j 05:33	0°♐	
	-115 Oct 19 j 11:12	0°♑	
	-115 Nov 28 j 03:17	0°♒	
	-114 Jan 07 j 00:03	0°♓	
	-114 Feb 17 j 02:04	0°♈	
asc. node	-114 Mar 10 j 05:15	14°♈58'01	
	-114 Mar 31 j 21:59	0°♉	
evening set	-114 Apr 26 j 17:36	17°♉28'56	
	-114 May 15 j 13:54	0°♊	
conjunction	-114 Jun 16 j 07:53	20°♊43'14	0°50'55
minimum elong	-114 Jun 16 j 06:31	20°♊41'00	0°50'54
max. Earth dist.	-114 Jun 27 j 09:02	27°♊50'46	2.65158 AU
	-114 Jun 30 j 17:28	0°♋	
morning rise	-114 Aug 02 j 05:59	20°♋46'07	
	-114 Aug 16 j 19:07	0°♌	
	-114 Oct 03 j 07:17	0°♍	
	-114 Nov 20 j 05:21	0°♎	
	-113 Jan 08 j 08:54	0°♏	
	-113 Mar 02 j 22:37	0°♐	
desc. node	-113 Mar 28 j 09:30	11°♐47'53	
retrograde	-113 May 13 j 01:49	22°♐31'43	
opposition	-113 Jun 12 j 22:58	17°♐16'58	-4°38'25
greatest brilliancy	-113 Jun 13 j 17:20	17°♐03'59	-2.8m
min. Earth dist.	-113 Jun 18 j 00:18	15°♐51'36	0.39380 AU
direct	-113 Jul 15 j 06:13	11°♐23'40	
	-113 Sep 11 j 08:11	0°♑	
	-113 Oct 29 j 22:28	0°♒	
	-113 Dec 12 j 23:47	0°♓	
	-112 Jan 25 j 18:42	0°♈	
asc. node	-112 Jan 26 j 04:01	0°♈15'50	
	-112 Mar 10 j 12:17	0°♉	
	-112 Apr 25 j 11:24	0°♊	
evening set	-112 Jun 06 j 18:22	27°♊04'40	
	-112 Jun 11 j 08:33	0°♋	
max. Earth dist.	-112 Jul 20 j 04:54	24°♋42'24	2.67426 AU
conjunction	-112 Jul 23 j 11:56	26°♋48'16	1°09'16
minimum elong	-112 Jul 23 j 11:39	26°♋47'49	1°09'16
	-112 Jul 28 j 12:14	0°♌	
morning rise	-112 Sep 06 j 04:03	25°♌25'33	
	-112 Sep 13 j 05:57	0°♍	
	-112 Oct 29 j 03:01	0°♎	
	-112 Dec 13 j 01:18	0°♏	
	-111 Jan 26 j 04:41	0°♐	
desc. node	-111 Feb 12 j 08:59	11°♐45'40	
	-111 Mar 11 j 00:37	0°♑	
	-111 Apr 24 j 21:32	0°♒	
	-111 Jun 16 j 06:50	0°♓	
retrograde	-111 Jul 28 j 21:50	11°♓01'17	
min. Earth dist.	-111 Aug 24 j 11:07	6°♓27'11	0.40567 AU
greatest brilliancy	-111 Aug 30 j 03:50	4°♓43'06	-2.7m
opposition	-111 Aug 31 j 07:27	4°♓21'56	-5°30'43
	-111 Sep 17 j 06:14	30°℞♒	
direct	-111 Sep 30 j 20:27	28°♒46'16	
	-111 Oct 14 j 19:14	0°♓	
asc. node	-111 Dec 13 j 03:20	23°♓16'06	
	-111 Dec 25 j 13:34	0°♈	
	-110 Feb 14 j 20:34	0°♉	
	-110 Apr 04 j 22:59	0°♊	
	-110 May 23 j 11:02	0°♋	
	-110 Jul 10 j 06:53	0°♌	
evening set	-110 Jul 14 j 14:31	2°♌44'26	
max. Earth dist.	-110 Aug 12 j 19:43	21°♌28'13	2.64278 AU
	-110 Aug 25 j 22:31	0°♍	
conjunction	-110 Aug 29 j 11:04	2°♍18'21	1°00'45
minimum elong	-110 Aug 29 j 12:05	2°♍20'01	1°00'45
	-110 Oct 09 j 23:55	0°♎	
morning rise	-110 Oct 14 j 00:59	2°♎45'00	
	-110 Nov 22 j 08:19	0°♏	
desc. node	-110 Dec 31 j 08:59	27°♏59'22	
	-109 Jan 03 j 03:10	0°♐	
	-109 Feb 12 j 17:23	0°♑	
	-109 Mar 24 j 17:23	0°♒	
	-109 May 04 j 04:01	0°♓	
	-109 Jun 16 j 01:39	0°♈	
	-109 Aug 07 j 08:58	0°♉	
retrograde	-109 Sep 19 j 18:18	11°♉07'00	
min. Earth dist.	-109 Oct 20 j 19:35	4°♉30'51	0.53083 AU
opposition	-109 Oct 28 j 02:52	1°♉43'46	-0°08'32
greatest brilliancy	-106 Jul 14 j 11:00	27°♌27'19	1.6m
asc. node	-109 Oct 31 j 01:30	0°♉37'16	
	-109 Nov 01 j 18:10	30°℞♈	
direct	-109 Dec 02 j 05:07	23°♈56'56	
	-108 Jan 04 j 15:23	0°♉	
	-108 Mar 10 j 01:04	0°♊	
	-108 May 01 j 20:56	0°♋	
	-108 Jun 20 j 09:49	0°♌	
	-108 Aug 06 j 13:56	0°♍	
evening set	-108 Aug 20 j 23:09	9°♍27'21	
max. Earth dist.	-108 Sep 08 j 14:58	21°♍57'05	2.55994 AU
	-108 Sep 20 j 10:18	0°♎	
conjunction	-108 Oct 08 j 01:55	12°♎14'28	0°24'33
minimum elong	-108 Oct 08 j 02:55	12°♎16'13	0°24'32
	-108 Nov 02 j 01:28	0°♏	
desc. node	-108 Nov 17 j 07:41	11°♏05'36	
morning rise	-108 Nov 28 j 00:30	18°♏58'33	
	-108 Dec 12 j 19:13	0°♐	
	-107 Jan 21 j 04:37	0°♑	
	-107 Feb 28 j 22:24	0°♒	
	-107 Apr 08 j 21:07	0°♓	
	-107 May 19 j 02:23	0°♈	
	-107 Jul 01 j 02:09	0°♉	
	-107 Aug 19 j 09:43	0°♊	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

asc. node	-107 Sep 17 j 00:36	13°♊37'03	
retrograde	-107 Oct 28 j 01:29	22°♊54'40	
min. Earth dist.	-107 Dec 03 j 02:27	14°♊31'30	0.63281 AU
opposition	-107 Dec 07 j 01:08	12°♊56'40	3°02'22
greatest brilliancy	-107 Dec 06 j 13:42	13°♊08'07	-1.5m
direct	-106 Jan 14 j 14:57	3°♊51'20	
	-106 Apr 06 j 02:33	0°♋	
	-106 May 30 j 16:07	0°♌	
	-106 Jul 18 j 10:40	0°♍	
	-106 Sep 01 j 15:56	0°♎	
evening set	-106 Oct 04 j 05:14	22°♎52'15	
desc. node	-106 Oct 05 j 06:04	23°♎36'52	
	-106 Oct 14 j 01:48	0°♏	
max. Earth dist.	-106 Oct 20 j 05:39	4°♏30'11	2.43759 AU
	-106 Nov 23 j 07:23	0°♐	
conjunction	-106 Nov 28 j 11:31	3°♐56'56	-0°33'56
minimum elong	-106 Nov 28 j 09:31	3°♐53'06	0°33'54
	-105 Jan 01 j 02:38	0°♑	
morning rise	-105 Jan 31 j 02:25	23°♑32'50	
	-105 Feb 08 j 07:28	0°♒	
	-105 Mar 18 j 18:55	0°♓	
	-105 Apr 27 j 10:20	0°♈	
	-105 Jun 08 j 02:55	0°♉	
	-105 Jul 22 j 22:45	0°♊	
asc. node	-105 Aug 05 j 00:42	8°♊13'32	
	-105 Sep 11 j 10:45	0°♋	
retrograde	-105 Dec 01 j 21:16	27°♋38'25	
opposition	-104 Jan 10 j 22:02	17°♋56'01	4°26'01
greatest brilliancy	-104 Jan 10 j 20:19	17°♋57'43	-1.3m
min. Earth dist.	-104 Jan 10 j 19:21	17°♋58'42	0.67529 AU
direct	-104 Feb 20 j 13:41	8°♋08'39	
	-104 May 03 j 00:18	0°♌	
	-104 Jun 26 j 03:49	0°♍	
	-104 Aug 11 j 21:15	0°♎	
desc. node	-104 Aug 22 j 04:55	7°♎01'52	
	-104 Sep 23 j 15:29	0°♏	
	-104 Nov 02 j 18:46	0°♐	
evening set	-104 Nov 30 j 10:01	21°♐24'58	
	-104 Dec 11 j 08:29	0°♑	
	-103 Jan 18 j 08:30	0°♒	
conjunction	-103 Feb 04 j 17:17	13°♒39'18	-1°04'18
minimum elong	-103 Feb 04 j 18:27	13°♒41'36	1°04'18
	-103 Feb 25 j 17:31	0°♓	
max. Earth dist.	-103 Mar 24 j 22:24	20°♓44'30	2.39907 AU
	-103 Apr 06 j 07:56	0°♈	
morning rise	-103 Apr 14 j 06:43	5°♈52'01	
	-103 May 17 j 20:02	0°♉	
asc. node	-103 Jun 21 j 23:24	24°♉08'58	
	-103 Jun 30 j 18:03	0°♊	
	-103 Aug 16 j 15:46	0°♋	
	-103 Oct 07 j 09:11	0°♌	
	-103 Dec 22 j 08:42	0°♍	
retrograde	-102 Jan 05 j 10:57	1°♍09'08	
	-102 Jan 18 j 19:42	30°℞♌	
opposition	-102 Feb 13 j 10:33	22°♌06'25	4°27'38
greatest brilliancy	-102 Feb 13 j 23:57	21°♌53'17	-1.4m
min. Earth dist.	-102 Feb 17 j 04:51	20°♌38'00	0.65225 AU
direct	-102 Mar 26 j 18:47	12°♌04'58	
	-102 May 28 j 05:56	0°♍	
desc. node	-102 Jul 10 j 03:59	23°♍44'04	
	-102 Jul 20 j 05:15	0°♎	
	-102 Sep 02 j 15:58	0°♏	
	-102 Oct 13 j 08:23	0°♐	
	-102 Nov 21 j 02:58	0°♑	
	-102 Dec 29 j 06:30	0°♒	
	-101 Feb 05 j 20:25	0°♓	
evening set	-101 Feb 08 j 23:48	2°♓24'22	
	-101 Mar 17 j 17:25	0°♈	
conjunction	-101 Apr 12 j 13:57	18°♈45'12	-0°16'48
minimum elong	-101 Apr 12 j 15:03	18°♈47'10	0°16'48
	-101 Apr 28 j 11:29	0°♉	
asc. node	-101 May 09 j 21:48	7°♉57'26	
max. Earth dist.	-101 May 20 j 03:14	14°♉59'12	2.53118 AU
morning rise	-101 Jun 08 j 07:57	27°♉58'12	
	-101 Jun 11 j 08:54	0°♊	
	-101 Jul 27 j 09:29	0°♋	
	-101 Sep 13 j 14:55	0°♌	
	-101 Nov 04 j 04:07	0°♍	
	-100 Jan 06 j 06:24	0°♎	
retrograde	-100 Feb 16 j 03:26	8°♎18'45	
opposition	-100 Mar 23 j 20:11	0°♎22'55	2°48'37
	-100 Mar 24 j 20:53	30°℞♍	
greatest brilliancy	-100 Mar 24 j 15:16	0°♎05'13	-1.8m
min. Earth dist.	-100 Mar 31 j 04:02	27°♍40'23	0.56508 AU
direct	-100 May 03 j 00:11	20°♍51'53	
desc. node	-100 May 27 j 02:29	24°♍22'28	
	-100 Jun 12 j 11:19	0°♎	
	-100 Aug 06 j 16:58	0°♏	
	-100 Sep 19 j 02:05	0°♐	
	-100 Oct 29 j 01:10	0°♑	
	-100 Dec 06 j 23:47	0°♒	
	-99 Jan 15 j 06:55	0°♓	
	-99 Feb 24 j 20:54	0°♈	
asc. node	-99 Mar 26 j 21:28	21°♈23'05	
evening set	-99 Apr 07 j 22:26	29°♈45'59	
	-99 Apr 08 j 06:32	0°♉	
	-99 May 22 j 14:38	0°♊	
conjunction	-99 May 31 j 01:53	5°♊35'45	0°36'35
minimum elong	-99 May 31 j 00:30	5°♊33'29	0°36'35
max. Earth dist.	-99 Jun 17 j 17:12	17°♊08'22	2.62791 AU
	-99 Jul 07 j 14:40	0°♋	
morning rise	-99 Jul 18 j 19:41	7°♋10'57	
	-99 Aug 23 j 19:30	0°♌	
	-99 Oct 10 j 22:14	0°♍	
	-99 Nov 29 j 09:41	0°♎	
	-98 Jan 21 j 18:20	0°♏	
retrograde	-98 Apr 13 j 14:45	27°♏11'29	
desc. node	-98 Apr 14 j 02:10	27°♏11'24	
opposition	-98 May 16 j 03:47	21°♏09'24	-1°53'27
greatest brilliancy	-98 May 16 j 16:41	20°♏59'17	-2.5m
min. Earth dist.	-98 May 24 j 00:44	18°♏41'27	0.43568 AU
direct	-98 Jun 20 j 14:50	13°♏53'20	
	-98 Aug 12 j 17:50	0°♐	
	-98 Sep 30 j 07:09	0°♑	
	-98 Nov 11 j 18:08	0°♒	
	-98 Dec 23 j 07:44	0°♓	
	-97 Feb 03 j 15:26	0°♈	
asc. node	-97 Feb 11 j 19:44	5°♈41'20	
	-97 Mar 19 j 09:53	0°♉	
	-97 May 03 j 17:39	0°♊	
evening set	-97 May 23 j 05:40	12°♊39'00	
	-97 Jun 19 j 05:58	0°♋	
conjunction	-97 Jul 10 j 01:38	13°♋17'19	1°05'20
minimum elong	-97 Jul 10 j 00:49	13°♋16'02	1°05'19
max. Earth dist.	-97 Jul 12 j 03:49	14°♋37'19	2.67197 AU
	-97 Aug 05 j 07:15	0°♌	
morning rise	-97 Aug 24 j 05:35	12°♌04'21	
	-97 Sep 21 j 05:51	0°♍	
	-97 Nov 06 j 17:22	0°♎	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-97 Dec 22 j 18:44	0°♏	
	-96 Feb 06 j 20:27	0°♐	
desc. node	-96 Mar 01 j 01:52	14°♐54'40	
	-96 Mar 25 j 05:10	0°♑	
	-96 May 19 j 07:15	0°♒	
retrograde	-96 Jul 01 j 01:43	10°♒32'19	
min. Earth dist.	-96 Jul 29 j 02:41	5°♒58'57	0.37741 AU
greatest brilliancy	-96 Jul 31 j 10:54	5°♒20'40	-2.9m
opposition	-96 Aug 01 j 01:07	5°♒10'58	-6°51'19
direct	-96 Aug 30 j 15:55	0°♒13'39	
	-96 Nov 19 j 11:21	0°♓	
asc. node	-96 Dec 29 j 18:05	24°♓13'50	
	-95 Jan 07 j 23:43	0°♈	
	-95 Feb 24 j 10:49	0°♉	
	-95 Apr 12 j 22:09	0°♊	
	-95 May 30 j 15:10	0°♋	
evening set	-95 Jun 30 j 02:47	19°♋12'58	
	-95 Jul 17 j 02:53	0°♌	
max. Earth dist.	-95 Aug 03 j 11:56	11°♌05'49	2.66142 AU
conjunction	-95 Aug 14 j 23:22	18°♌28'33	1°07'17
minimum elong	-95 Aug 14 j 23:56	18°♌29'29	1°07'16
	-95 Sep 01 j 17:54	0°♍	
morning rise	-95 Sep 28 j 18:38	17°♍46'56	
	-95 Oct 17 j 01:15	0°♎	
	-95 Nov 29 j 21:24	0°♏	
	-94 Jan 11 j 09:00	0°♐	
desc. node	-94 Jan 17 j 00:41	4°♐03'22	
	-94 Feb 21 j 19:45	0°♑	
	-94 Apr 03 j 20:48	0°♒	
	-94 May 15 j 21:10	0°♓	
	-94 Jul 01 j 20:49	0°♈	
retrograde	-94 Sep 01 j 13:02	20°♈51'29	
min. Earth dist.	-94 Sep 30 j 10:12	15°♈06'36	0.47966 AU
opposition	-94 Oct 08 j 10:51	12°♈13'03	-2°03'01
greatest brilliancy	-94 Oct 07 j 21:20	12°♈25'15	-2.3m
direct	-94 Nov 10 j 19:42	5°♈12'12	
asc. node	-94 Nov 16 j 18:00	5°♈25'54	
	-93 Jan 25 j 21:17	0°♉	
	-93 Mar 21 j 08:32	0°♊	
	-93 May 10 j 21:26	0°♋	
	-93 Jun 28 j 14:09	0°♌	
evening set	-93 Aug 06 j 16:55	24°♌56'05	
	-93 Aug 14 j 11:43	0°♍	
max. Earth dist.	-93 Aug 29 j 00:19	9°♍33'27	2.59808 AU
conjunction	-93 Sep 22 j 12:05	25°♍59'40	0°41'52
minimum elong	-93 Sep 22 j 13:23	26°♍01'51	0°41'52
	-93 Sep 28 j 09:02	0°♎	
morning rise	-93 Nov 09 j 15:21	29°♎34'21	
	-93 Nov 10 j 05:41	0°♏	
desc. node	-93 Dec 04 j 23:39	17°♏56'13	
	-93 Dec 21 j 07:34	0°♐	
	-92 Jan 30 j 01:55	0°♑	
	-92 Mar 09 j 04:31	0°♒	
	-92 Apr 17 j 12:18	0°♓	
	-92 May 28 j 07:01	0°♈	
	-92 Jul 11 j 16:48	0°♉	
	-92 Sep 06 j 08:16	0°♊	
asc. node	-92 Oct 03 j 17:26	7°♊25'15	
retrograde	-92 Oct 13 j 15:23	8°♊05'01	
min. Earth dist.	-92 Nov 16 j 20:36	0°♊19'46	0.59914 AU
	-92 Nov 17 j 16:40	30°℞♉	
opposition	-92 Nov 22 j 05:49	28°♉11'39	2°03'43
greatest brilliancy	-92 Nov 21 j 19:08	28°♉22'14	-1.7m
direct	-92 Dec 29 j 15:08	19°♉31'41	
	-91 Feb 14 j 00:24	0°♊	
	-91 Apr 16 j 22:33	0°♋	
	-91 Jun 07 j 19:03	0°♌	
	-91 Jul 25 j 18:23	0°♍	
	-91 Sep 08 j 18:48	0°♎	
evening set	-91 Sep 15 j 20:19	4°♎52'30	
max. Earth dist.	-91 Sep 30 j 19:17	15°♎20'59	2.48828 AU
desc. node	-91 Oct 21 j 22:28	0°♏30'00	
	-91 Oct 21 j 05:57	0°♏	
conjunction	-91 Nov 06 j 13:17	11°♏57'03	-0°10'02
minimum elong	-91 Nov 06 j 12:43	11°♏56'01	0°10'01
behind sun begin	-91 Nov 05 j 18:19	11°♏22'00	
behind sun end	-91 Nov 07 j 07:07	12°♏30'03	
	-91 Nov 30 j 15:29	0°♐	
morning rise	-90 Jan 03 j 09:00	25°♐54'42	
	-90 Jan 08 j 15:11	0°♑	
	-90 Feb 15 j 23:50	0°♒	
	-90 Mar 26 j 14:04	0°♓	
	-90 May 05 j 08:12	0°♈	
	-90 Jun 16 j 07:18	0°♉	
	-90 Aug 01 j 00:46	0°♊	
asc. node	-90 Aug 21 j 15:56	12°♊17'27	
	-90 Sep 24 j 17:34	0°♋	
retrograde	-90 Nov 18 j 12:27	14°♋43'19	
min. Earth dist.	-90 Dec 27 j 01:15	5°♋30'41	0.66636 AU
opposition	-90 Dec 28 j 16:21	4°♋51'27	4°03'50
greatest brilliancy	-90 Dec 28 j 09:31	4°♋58'18	-1.3m
	-89 Jan 10 j 13:13	30°℞♊	
direct	-89 Feb 06 j 16:29	25°♊17'16	
	-89 Mar 08 j 13:49	0°♋	
	-89 May 15 j 09:31	0°♌	
	-89 Jul 05 j 13:31	0°♍	
	-89 Aug 20 j 12:25	0°♎	
desc. node	-89 Sep 08 j 21:00	13°♎23'33	
	-89 Oct 02 j 01:54	0°♏	
evening set	-89 Nov 06 j 12:50	26°♏25'23	
	-89 Nov 11 j 05:22	0°♐	
	-89 Dec 19 j 20:32	0°♑	
max. Earth dist.	-89 Dec 28 j 06:36	6°♑37'24	2.37354 AU
conjunction	-88 Jan 07 j 23:30	15°♑04'00	-1°02'11
minimum elong	-88 Jan 07 j 21:43	15°♑00'28	1°02'11
	-88 Jan 26 j 21:40	0°♒	
	-88 Mar 05 j 06:37	0°♓	
morning rise	-88 Mar 17 j 19:04	9°♓37'18	
	-88 Apr 13 j 19:57	0°♈	
	-88 May 25 j 07:36	0°♉	
asc. node	-88 Jul 08 j 15:28	0°♊09'38	
	-88 Jul 08 j 09:36	0°♊	
	-88 Aug 25 j 02:39	0°♋	
	-88 Oct 19 j 09:16	0°♌	
retrograde	-88 Dec 22 j 05:17	18°♌09'02	
opposition	-87 Jan 30 j 18:11	8°♌48'01	4°36'46
greatest brilliancy	-87 Jan 31 j 01:48	8°♌40'29	-1.3m
min. Earth dist.	-87 Feb 02 j 00:16	7°♌54'29	0.66922 AU
	-87 Feb 27 j 09:16	30°℞♋	
direct	-87 Mar 13 j 00:36	28°♋48'20	
	-87 Mar 27 j 09:00	0°♌	
	-87 Jun 10 j 01:27	0°♍	
desc. node	-87 Jul 26 j 20:24	28°♍21'23	
	-87 Jul 29 j 08:44	0°♎	
	-87 Sep 10 j 21:29	0°♏	
	-87 Oct 21 j 06:28	0°♐	
	-87 Nov 28 j 21:42	0°♑	
	-86 Jan 05 j 22:44	0°♒	
evening set	-86 Jan 12 j 15:21	5°♒15'53	
	-86 Feb 13 j 09:40	0°♓	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

conjunction	-86 Mar 19 j 18:20	26°♓01'40	-0°40'08
minimum elong	-86 Mar 19 j 20:58	26°♓06'34	0°40'06
	-86 Mar 25 j 02:53	0°♈	
max. Earth dist.	-86 May 04 j 13:45	29°♈11'39	2.48118 AU
	-86 May 05 j 17:15	0°♉	
morning rise	-86 May 20 j 04:06	10°♉04'21	
asc. node	-86 May 26 j 14:03	14°♉29'07	
	-86 Jun 18 j 12:48	0°♊	
	-86 Aug 03 j 17:41	0°♋	
	-86 Sep 21 j 19:18	0°♌	
	-86 Nov 15 j 12:53	0°♍	
retrograde	-85 Jan 29 j 16:39	23°♍11'47	
opposition	-85 Mar 08 j 11:30	14°♍45'11	3°42'24
greatest brilliancy	-85 Mar 09 j 06:58	14°♍26'37	-1.6m
min. Earth dist.	-85 Mar 14 j 12:12	12°♍27'24	0.60660 AU
direct	-85 Apr 18 j 09:59	4°♍54'02	
desc. node	-85 Jun 13 j 19:59	20°♍41'54	
	-85 Jul 01 j 18:03	0°♎	
	-85 Aug 18 j 17:25	0°♏	
	-85 Sep 29 j 12:52	0°♐	
	-85 Nov 07 j 19:42	0°♑	
	-85 Dec 16 j 07:40	0°♒	
	-84 Jan 24 j 05:33	0°♓	
	-84 Mar 04 j 10:41	0°♈	
evening set	-84 Mar 18 j 01:21	9°♈51'42	
asc. node	-84 Apr 12 j 12:07	27°♈53'53	
	-84 Apr 15 j 12:27	0°♉	
conjunction	-84 May 13 j 10:47	19°♉09'27	0°18'25
minimum elong	-84 May 13 j 09:52	19°♉07'55	0°18'24
	-84 May 29 j 14:40	0°♊	
max. Earth dist.	-84 Jun 07 j 08:57	5°♊48'32	2.59612 AU
morning rise	-84 Jul 03 j 16:09	22°♊59'47	
	-84 Jul 14 j 13:00	0°♋	
	-84 Aug 30 j 23:40	0°♌	
	-84 Oct 18 j 23:42	0°♍	
	-84 Dec 10 j 00:00	0°♎	
	-83 Feb 13 j 06:26	0°♏	
retrograde	-83 Mar 19 j 07:39	6°♏03'44	
	-83 Apr 20 j 08:47	30°℞♎	
opposition	-83 Apr 22 j 18:59	29°♎10'45	0°25'31
greatest brilliancy	-83 Apr 22 j 22:55	29°♎07'24	-2.2m
desc. node	-83 Apr 30 j 18:15	26°♎27'32	
min. Earth dist.	-83 May 01 j 07:45	26°♎16'18	0.48778 AU
direct	-83 May 30 j 17:14	20°♎44'08	
	-83 Jul 09 j 03:58	0°♏	
	-83 Aug 31 j 07:41	0°♐	
	-83 Oct 12 j 22:29	0°♑	
	-83 Nov 22 j 06:20	0°♒	
	-82 Jan 01 j 13:27	0°♓	
	-82 Feb 11 j 23:01	0°♈	
asc. node	-82 Feb 28 j 11:56	11°♈39'58	
	-82 Mar 27 j 00:50	0°♉	
evening set	-82 May 06 j 17:46	27°♉17'03	
	-82 May 10 j 20:46	0°♊	
conjunction	-82 Jun 25 j 04:45	29°♊25'07	0°57'23
minimum elong	-82 Jun 25 j 03:31	29°♊23'09	0°57'23
	-82 Jun 26 j 02:29	0°♋	
max. Earth dist.	-82 Jul 02 j 22:19	4°♋22'36	2.66115 AU
morning rise	-82 Aug 10 j 08:22	28°♋51'57	
	-82 Aug 12 j 03:13	0°♌	
	-82 Sep 28 j 09:30	0°♍	
	-82 Nov 14 j 16:50	0°♎	
	-81 Jan 01 j 10:32	0°♏	
	-81 Feb 20 j 01:11	0°♐	
desc. node	-81 Mar 18 j 17:15	14°♐51'31	
	-81 Apr 19 j 19:56	0°♑	
retrograde	-81 May 31 j 07:15	9°♑16'15	
opposition	-81 Jun 30 j 12:31	4°♑16'30	-5°59'27
greatest brilliancy	-81 Jun 30 j 23:46	4°♑08'59	-2.9m
min. Earth dist.	-81 Jul 03 j 00:48	3°♑36'15	0.37962 AU
	-81 Jul 18 j 23:31	30°℞♐	
direct	-81 Jul 31 j 05:27	29°♐00'30	
	-81 Aug 12 j 11:57	0°♑	
	-81 Oct 19 j 17:23	0°♒	
	-81 Dec 05 j 15:34	0°♓	
asc. node	-80 Jan 16 j 11:02	27°♓49'51	
	-80 Jan 19 j 17:13	0°♈	
	-80 Mar 05 j 04:05	0°♉	
	-80 Apr 20 j 13:15	0°♊	
	-80 Jun 06 j 16:08	0°♋	
evening set	-80 Jun 15 j 09:32	5°♋31'58	
	-80 Jul 23 j 22:03	0°♌	
max. Earth dist.	-80 Jul 25 j 12:38	1°♌01'29	2.67197 AU
conjunction	-80 Jul 31 j 16:50	4°♌57'57	1°09'42
minimum elong	-80 Jul 31 j 16:53	4°♌58'01	1°09'42
	-80 Sep 08 j 14:29	0°♍	
morning rise	-80 Sep 14 j 06:53	3°♍41'37	
	-80 Oct 24 j 06:23	0°♎	
	-80 Dec 07 j 18:12	0°♏	
	-79 Jan 20 j 04:57	0°♐	
desc. node	-79 Feb 02 j 17:02	9°♐26'34	
	-79 Mar 03 j 22:47	0°♑	
	-79 Apr 15 j 20:48	0°♒	
	-79 May 31 j 17:18	0°♓	
retrograde	-79 Aug 11 j 13:00	26°♓55'04	
min. Earth dist.	-79 Sep 07 j 13:23	22°♓00'12	0.42959 AU
greatest brilliancy	-79 Sep 14 j 06:48	19°♓48'24	-2.6m
opposition	-79 Sep 15 j 08:07	19°♓27'34	-4°16'32
direct	-79 Oct 16 j 22:13	13°♓21'03	
asc. node	-79 Dec 03 j 09:33	25°♓09'50	
	-79 Dec 14 j 03:58	0°♈	
	-78 Feb 07 j 22:45	0°♉	
	-78 Mar 30 j 09:48	0°♊	
	-78 May 18 j 12:13	0°♋	
	-78 Jul 05 j 14:35	0°♌	
evening set	-78 Jul 22 j 23:08	11°♌01'36	
max. Earth dist.	-78 Aug 18 j 13:43	28°♌11'44	2.62887 AU
	-78 Aug 21 j 08:04	0°♍	
conjunction	-78 Sep 07 j 00:26	10°♍58'42	0°55'01
minimum elong	-78 Sep 07 j 01:38	11°♍00'41	0°55'00
	-78 Oct 05 j 08:09	0°♎	
morning rise	-78 Oct 23 j 07:14	12°♎19'50	
	-78 Nov 17 j 12:19	0°♏	
desc. node	-78 Dec 21 j 15:38	24°♏35'02	
	-78 Dec 29 j 01:01	0°♐	
	-77 Feb 07 j 07:28	0°♑	
	-77 Mar 18 j 22:33	0°♒	
	-77 Apr 27 j 20:43	0°♓	
	-77 Jun 08 j 16:05	0°♈	
	-77 Jul 26 j 06:41	0°♉	
retrograde	-77 Sep 29 j 04:45	21°♉45'37	
asc. node	-77 Oct 21 j 08:45	18°♉14'55	
min. Earth dist.	-77 Oct 31 j 09:57	14°♉43'51	0.55698 AU
opposition	-77 Nov 07 j 03:01	12°♉07'31	0°46'12
greatest brilliancy	-77 Nov 06 j 21:54	12°♉12'29	-1.9m
direct	-77 Dec 13 j 02:28	3°♉59'39	
	-76 Mar 02 j 06:03	0°♊	
	-76 Apr 26 j 05:07	0°♋	
	-76 Jun 15 j 10:45	0°♌	
	-76 Aug 01 j 21:13	0°♍	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

evening set	-76 Aug 30 j 01:18	18°♍37'22	
	-76 Sep 15 j 19:13	0°♎	
max. Earth dist.	-76 Sep 15 j 22:48	0°♎06'09	2.53568 AU
conjunction	-76 Oct 18 j 05:27	22°♎42'31	0°12'47
minimum elong	-76 Oct 18 j 06:02	22°♎43'34	0°12'47
behind sun begin	-76 Oct 17 j 16:36	22°♎19'34	
behind sun end	-76 Oct 18 j 19:29	23°♎07'34	
	-76 Oct 28 j 09:03	0°♏	
desc. node	-76 Nov 07 j 14:31	7°♏25'57	
	-76 Dec 07 j 23:57	0°♐	
morning rise	-76 Dec 10 j 06:35	1°♐43'01	
	-75 Jan 16 j 05:41	0°♑	
	-75 Feb 23 j 19:50	0°♒	
	-75 Apr 03 j 14:51	0°♓	
	-75 May 13 j 14:30	0°♈	
	-75 Jun 25 j 01:45	0°♉	
	-75 Aug 11 j 11:54	0°♊	
asc. node	-75 Sep 07 j 08:18	14°♊23'36	
	-75 Oct 21 j 09:15	0°♋	
retrograde	-75 Nov 04 j 23:43	1°♋20'35	
	-75 Nov 18 j 23:18	30°℞♊	
min. Earth dist.	-75 Dec 11 j 23:13	22°♊38'52	0.64751 AU
opposition	-75 Dec 15 j 02:25	21°♊23'28	3°29'02
greatest brilliancy	-75 Dec 14 j 15:57	21°♊33'57	-1.4m
direct	-74 Jan 23 j 06:06	12°♊06'36	
	-74 Mar 28 j 14:18	0°♋	
	-74 May 24 j 22:16	0°♌	
	-74 Jul 13 j 10:19	0°♍	
	-74 Aug 27 j 21:52	0°♎	
desc. node	-74 Sep 25 j 14:05	20°♎02'59	
	-74 Oct 09 j 09:16	0°♏	
evening set	-74 Oct 15 j 12:20	4°♏28'38	
max. Earth dist.	-74 Nov 03 j 23:48	18°♏56'38	2.41007 AU
	-74 Nov 18 j 14:19	0°♐	
conjunction	-74 Dec 12 j 05:26	18°♐12'27	-0°46'27
minimum elong	-74 Dec 12 j 02:53	18°♐07'30	0°46'25
	-74 Dec 27 j 07:53	0°♑	
	-73 Feb 03 j 10:54	0°♒	
morning rise	-73 Feb 16 j 22:47	10°♒36'07	
	-73 Mar 13 j 20:43	0°♓	
	-73 Apr 22 j 10:12	0°♈	
	-73 Jun 02 j 23:23	0°♉	
	-73 Jul 17 j 09:42	0°♊	
asc. node	-73 Jul 26 j 06:09	5°♊41'02	
	-73 Sep 04 j 11:52	0°♋	
	-73 Nov 07 j 22:11	0°♌	
retrograde	-73 Dec 09 j 14:04	5°♌25'33	
	-72 Jan 07 j 14:55	30°℞♋	
opposition	-72 Jan 18 j 12:01	25°♋49'53	4°33'21
greatest brilliancy	-72 Jan 18 j 13:32	25°♋48'22	-1.3m
min. Earth dist.	-72 Jan 19 j 05:29	25°♋32'28	0.67608 AU
direct	-72 Feb 28 j 10:43	15°♋57'03	
	-72 Apr 23 j 17:22	0°♌	
	-72 Jun 20 j 05:00	0°♍	
	-72 Aug 06 j 17:02	0°♎	
desc. node	-72 Aug 12 j 12:52	3°♎55'09	
	-72 Sep 18 j 17:36	0°♏	
	-72 Oct 28 j 23:11	0°♐	
	-72 Dec 06 j 13:24	0°♑	
evening set	-72 Dec 15 j 13:01	7°♑04'45	
	-71 Jan 13 j 13:24	0°♒	
conjunction	-71 Feb 20 j 19:39	29°♒54'47	-0°58'40
minimum elong	-71 Feb 20 j 22:11	29°♒59'40	0°58'40
	-71 Feb 20 j 22:21	0°♓	
	-71 Apr 01 j 12:34	0°♈	
max. Earth dist.	-71 Apr 12 j 21:52	8°♈23'21	2.42717 AU
morning rise	-71 Apr 28 j 05:18	19°♈29'14	
	-71 May 13 j 00:03	0°♉	
asc. node	-71 Jun 12 j 05:17	20°♉52'35	
	-71 Jun 25 j 19:24	0°♊	
	-71 Aug 11 j 08:16	0°♋	
	-71 Sep 30 j 18:24	0°♌	
	-71 Dec 01 j 12:17	0°♍	
retrograde	-70 Jan 13 j 22:48	9°♍16'50	
opposition	-70 Feb 21 j 13:56	0°♍25'39	4°15'37
greatest brilliancy	-70 Feb 22 j 06:03	0°♍09'58	-1.4m
	-70 Feb 22 j 16:19	30°℞♌	
min. Earth dist.	-70 Feb 26 j 04:07	28°♌38'43	0.63868 AU
direct	-70 Apr 03 j 21:14	20°♌25'48	
	-70 May 16 j 22:59	0°♍	
desc. node	-70 Jun 30 j 11:21	22°♍06'31	
	-70 Jul 13 j 17:28	0°♎	
	-70 Aug 28 j 02:34	0°♏	
	-70 Oct 08 j 03:13	0°♐	
	-70 Nov 16 j 01:32	0°♑	
	-70 Dec 24 j 07:28	0°♒	
	-69 Jan 31 j 23:30	0°♓	
evening set	-69 Feb 23 j 11:07	17°♓02'09	
	-69 Mar 12 j 22:19	0°♈	
	-69 Apr 23 j 17:54	0°♉	
conjunction	-69 Apr 24 j 18:56	0°♉43'47	-0°03'22
minimum elong	-69 Apr 24 j 19:10	0°♉44'10	0°03'23
behind sun begin	-69 Apr 23 j 19:40	0°♉03'07	
behind sun end	-69 Apr 25 j 18:39	1°♉25'11	
asc. node	-69 Apr 30 j 05:04	4°♉30'33	
max. Earth dist.	-69 May 27 j 16:06	23°♉18'10	2.55615 AU
	-69 Jun 06 j 15:39	0°♊	
morning rise	-69 Jun 18 j 08:06	7°♊45'16	
	-69 Jul 22 j 13:54	0°♋	
	-69 Sep 08 j 10:08	0°♌	
	-69 Oct 28 j 18:42	0°♍	
	-69 Dec 24 j 15:55	0°♎	
retrograde	-68 Feb 26 j 22:32	18°♎02'50	
opposition	-68 Apr 02 j 23:08	10°♎26'56	2°05'36
greatest brilliancy	-68 Apr 03 j 15:13	10°♎12'22	-1.9m
min. Earth dist.	-68 Apr 10 j 21:56	7°♎34'41	0.53905 AU
direct	-68 May 12 j 12:51	1°♎13'09	
desc. node	-68 May 17 j 10:24	1°♎22'40	
	-68 Jul 29 j 11:07	0°♏	
	-68 Sep 12 j 14:45	0°♐	
	-68 Oct 23 j 05:15	0°♑	
	-68 Dec 01 j 12:23	0°♒	
	-67 Jan 10 j 01:53	0°♓	
	-67 Feb 19 j 21:00	0°♈	
asc. node	-67 Mar 17 j 03:48	17°♈58'30	
	-67 Apr 03 j 10:58	0°♉	
evening set	-67 Apr 18 j 20:46	10°♉32'10	
	-67 May 17 j 22:05	0°♊	
conjunction	-67 Jun 09 j 12:28	14°♊49'56	0°45'23
minimum elong	-67 Jun 09 j 11:03	14°♊47'37	0°45'22
max. Earth dist.	-67 Jun 23 j 10:47	23°♊52'04	2.64202 AU
	-67 Jul 02 j 23:11	0°♋	
morning rise	-67 Jul 27 j 04:23	15°♋29'23	
	-67 Aug 19 j 01:23	0°♌	
	-67 Oct 05 j 19:04	0°♍	
	-67 Nov 23 j 07:17	0°♎	
	-66 Jan 12 j 21:09	0°♏	
	-66 Mar 13 j 00:10	0°♐	
desc. node	-66 Apr 04 j 09:11	7°♐43'46	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

retrograde	-66 Apr 29 j 15:21	11°♐19'55		
opposition	-66 May 31 j 05:25	5°♐45'28	-3°26'25	
greatest brilliancy	-66 Jun 01 j 00:05	5°♐31'36	-2.7m	
min. Earth dist.	-66 Jun 06 j 20:10	3°♐48'07	0.41062 AU	
	-66 Jun 23 j 14:15	30℞♏		
direct	-66 Jul 03 j 23:04	29°♏15'14		
	-66 Jul 14 j 07:56	0°♐		
	-66 Sep 20 j 09:41	0°♑		
	-66 Nov 04 j 08:42	0°♒		
	-66 Dec 17 j 01:43	0°♓		
	-65 Jan 29 j 01:54	0°♈		
asc. node	-65 Feb 02 j 02:24	2°♈46'05		
	-65 Mar 14 j 07:12	0°♉		
	-65 Apr 28 j 22:03	0°♊		
evening set	-65 Jun 01 j 05:23	21°♊26'55		
	-65 Jun 14 j 14:35	0°♋		
max. Earth dist.	-65 Jul 17 j 10:30	20°♋54'45	2.67428 AU	
conjunction	-65 Jul 18 j 09:09	21°♋30'48	1°08'06	
minimum elong	-65 Jul 18 j 08:38	21°♋30'00	1°08'06	
	-65 Jul 31 j 16:52	0°♌		
morning rise	-65 Sep 01 j 05:13	20°♌08'55		
	-65 Sep 16 j 12:46	0°♍		
	-65 Nov 01 j 16:12	0°♎		
	-65 Dec 17 j 01:35	0°♏		
	-64 Jan 30 j 23:01	0°♐		
desc. node	-64 Feb 20 j 08:35	13°♐38'43		
	-64 Mar 15 j 23:58	0°♑		
	-64 May 02 j 10:21	0°♒		
retrograde	-64 Jul 17 j 09:11	28°♒30'25		
min. Earth dist.	-64 Aug 13 j 03:35	24°♒04'04	0.39003 AU	
opposition	-64 Aug 18 j 14:34	22°♒29'47	-6°17'46	
greatest brilliancy	-64 Aug 17 j 13:59	22°♒47'31	-2.8m	
direct	-64 Sep 17 j 11:39	17°♒15'46		
	-64 Nov 05 j 08:48	0°♓		
asc. node	-64 Dec 20 j 01:43	23°♓30'36		
	-64 Dec 31 j 03:56	0°♈		
	-63 Feb 18 j 10:16	0°♉		
	-63 Apr 07 j 17:07	0°♊		
	-63 May 25 j 20:05	0°♋		
evening set	-63 Jul 08 j 10:01	27°♋24'10		
	-63 Jul 12 j 12:20	0°♌		
max. Earth dist.	-63 Aug 08 j 21:51	17°♌30'44	2.65214 AU	
conjunction	-63 Aug 23 j 05:05	26°♌45'59	1°03'59	
minimum elong	-63 Aug 23 j 05:56	26°♌47'22	1°03'58	
	-63 Aug 28 j 04:13	0°♍		
morning rise	-63 Oct 07 j 09:00	26°♍37'41		
	-63 Oct 12 j 09:01	0°♎		
	-63 Nov 24 j 23:04	0°♏		
	-62 Jan 06 j 01:33	0°♐		
desc. node	-62 Jan 07 j 08:46	0°♐56'30		
	-62 Feb 16 j 00:18	0°♑		
	-62 Mar 28 j 09:50	0°♒		
	-62 May 08 j 09:06	0°♓		
	-62 Jun 21 j 10:08	0°♈		
	-62 Aug 21 j 08:40	0°♉		
retrograde	-62 Sep 12 j 04:17	3°♉12'13		
	-62 Oct 03 j 05:10	30℞♈		
min. Earth dist.	-62 Oct 12 j 06:37	26°♈58'51	0.50843 AU	
opposition	-62 Oct 20 j 00:05	24°♈05'49	-0°54'13	
greatest brilliancy	-62 Oct 19 j 18:12	24°♈11'19	-2.2m	
asc. node	-62 Nov 07 j 00:16	18°♈27'32		
direct	-62 Nov 23 j 08:22	16°♈38'19		
	-61 Jan 14 j 18:06	0°♉		
	-61 Mar 14 j 20:49	0°♊		
	-61 May 05 j 14:42	0°♋		
	-61 Jun 23 j 18:50	0°♌		
	-61 Aug 09 j 20:52	0°♍		
evening set	-61 Aug 15 j 08:00	3°♍34'20		
max. Earth dist.	-61 Sep 04 j 11:23	16°♍55'16	2.57799 AU	
	-61 Sep 23 j 18:51	0°♎		
conjunction	-61 Oct 01 j 18:26	5°♎29'26	0°32'22	
minimum elong	-61 Oct 01 j 19:36	5°♎31'27	0°32'22	
	-61 Nov 05 j 13:26	0°♏		
morning rise	-61 Nov 20 j 07:43	10°♏40'51		
desc. node	-61 Nov 25 j 07:30	14°♏19'46		
	-61 Dec 16 j 11:37	0°♐		
	-60 Jan 25 j 01:17	0°♑		
	-60 Mar 03 j 22:40	0°♒		
	-60 Apr 12 j 00:29	0°♓		
	-60 May 22 j 09:22	0°♈		
	-60 Jul 04 j 18:43	0°♉		
	-60 Aug 24 j 22:12	0°♊		
asc. node	-60 Sep 23 j 23:05	12°♊26'52		
retrograde	-60 Oct 22 j 00:09	17°♊10'48		
min. Earth dist.	-60 Nov 26 j 06:20	9°♊04'10	0.61897 AU	
opposition	-60 Nov 30 j 20:57	7°♊13'53	2°40'04	
greatest brilliancy	-60 Nov 30 j 09:15	7°♊25'32	-1.6m	
	-60 Dec 22 j 22:27	30℞♉		
direct	-59 Jan 07 j 23:22	28°♉19'03		
	-59 Jan 25 j 00:58	0°♊		
	-59 Apr 10 j 02:54	0°♋		
	-59 Jun 02 j 10:48	0°♌		
	-59 Jul 20 j 21:55	0°♍		
	-59 Sep 04 j 02:27	0°♎		
evening set	-59 Sep 26 j 01:22	15°♎17'19		
max. Earth dist.	-59 Oct 10 j 22:28	25°♎54'48	2.46041 AU	
desc. node	-59 Oct 12 j 05:51	26°♎51'24		
	-59 Oct 16 j 13:59	0°♏		
conjunction	-59 Nov 18 j 14:00	24°♏26'29	-0°23'44	
minimum elong	-59 Nov 18 j 12:37	24°♏23'52	0°23'44	
	-59 Nov 25 j 22:18	0°♐		
	-58 Jan 03 j 19:59	0°♑		
morning rise	-58 Jan 18 j 13:24	11°♑31'17		
	-58 Feb 11 j 02:27	0°♒		
	-58 Mar 21 j 14:38	0°♓		
	-58 Apr 30 j 06:00	0°♈		
	-58 Jun 10 j 23:18	0°♉		
	-58 Jul 26 j 00:37	0°♊		
asc. node	-58 Aug 11 j 23:00	10°♊27'52		
	-58 Sep 15 j 16:53	0°♋		
retrograde	-58 Nov 26 j 04:40	22°♋38'38		
opposition	-57 Jan 05 j 07:51	12°♋51'34	4°18'16	
greatest brilliancy	-57 Jan 05 j 03:42	12°♋55'43	-1.3m	
min. Earth dist.	-57 Jan 04 j 12:49	13°♋10'38	0.67258 AU	
direct	-57 Feb 14 j 17:42	3°♋09'37		
	-57 May 08 j 07:07	0°♌		
	-57 Jun 30 j 02:35	0°♍		
	-57 Aug 15 j 13:24	0°♎		
desc. node	-57 Aug 30 j 04:56	10°♎02'33		
	-57 Sep 27 j 06:45	0°♏		
	-57 Nov 06 j 11:06	0°♐		
evening set	-57 Nov 20 j 04:52	10°♐34'33		
	-57 Dec 15 j 01:51	0°♑		
	-56 Jan 22 j 02:11	0°♒		
conjunction	-56 Jan 24 j 01:16	1°♒32'50	-1°05'18	
minimum elong	-56 Jan 24 j 01:04	1°♒32'27	1°05'19	
	-56 Feb 29 j 10:36	0°♓		
max. Earth dist.	-56 Feb 29 j 15:00	0°♓08'30	2.37983 AU	
morning rise	-56 Apr 02 j 17:32	25°♓20'30		

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-56 Apr 08 j 23:27	0°♈	
	-56 May 20 j 09:48	0°♉	
asc. node	-56 Jun 28 j 21:57	27°♉04'37	
	-56 Jul 03 j 07:36	0°♊	
	-56 Aug 19 j 10:24	0°♋	
	-56 Oct 11 j 05:05	0°♌	
retrograde	-56 Dec 30 j 06:46	26°♌02'00	
opposition	-55 Feb 07 j 13:15	16°♌50'35	4°32'49
greatest brilliancy	-55 Feb 08 j 00:08	16°♌39'53	-1.3m
min. Earth dist.	-55 Feb 10 j 15:31	15°♌37'35	0.66116 AU
direct	-55 Mar 20 j 22:00	6°♌49'20	
	-55 Jun 02 j 08:18	0°♍	
desc. node	-55 Jul 17 j 04:01	25°♍54'34	
	-55 Jul 23 j 14:17	0°♎	
	-55 Sep 05 j 16:19	0°♏	
	-55 Oct 16 j 06:27	0°♐	
	-55 Nov 23 j 23:53	0°♑	
	-54 Jan 01 j 01:59	0°♒	
evening set	-54 Jan 28 j 06:06	21°♒15'05	
	-54 Feb 08 j 13:51	0°♓	
	-54 Mar 20 j 07:58	0°♈	
conjunction	-54 Apr 02 j 14:55	9°♈44'29	-0°26'58
minimum elong	-54 Apr 02 j 16:44	9°♈47'48	0°26'56
	-54 Apr 30 j 22:55	0°♉	
max. Earth dist.	-54 May 13 j 22:53	9°♉03'49	2.50947 AU
asc. node	-54 May 16 j 20:19	11°♉03'46	
morning rise	-54 May 31 j 08:50	20°♉59'37	
	-54 Jun 13 j 18:02	0°♊	
	-54 Jul 29 j 18:46	0°♋	
	-54 Sep 16 j 06:19	0°♌	
	-54 Nov 07 j 20:03	0°♍	
	-53 Jan 19 j 22:21	0°♎	
retrograde	-53 Feb 08 j 09:09	2°♎07'36	
	-53 Feb 26 j 16:58	30°℞♍	
opposition	-53 Mar 17 j 14:55	23°♍57'12	3°13'49
greatest brilliancy	-53 Mar 18 j 10:38	23°♍38'41	-1.7m
min. Earth dist.	-53 Mar 24 j 09:57	21°♍24'25	0.58467 AU
direct	-53 Apr 27 j 05:07	14°♍15'40	
desc. node	-53 Jun 04 j 02:14	22°♍14'59	
	-53 Jun 21 j 20:06	0°♎	
	-53 Aug 12 j 02:04	0°♏	
	-53 Sep 23 j 17:45	0°♐	
	-53 Nov 02 j 09:33	0°♑	
	-53 Dec 11 j 02:52	0°♒	
	-52 Jan 19 j 04:59	0°♓	
	-52 Feb 28 j 13:41	0°♈	
evening set	-52 Mar 30 j 04:18	21°♈54'14	
asc. node	-52 Apr 02 j 20:03	24°♈28'15	
	-52 Apr 10 j 18:16	0°♉	
conjunction	-52 May 23 j 16:28	29°♉10'11	0°29'22
minimum elong	-52 May 23 j 15:13	29°♉08'06	0°29'21
	-52 May 24 j 22:25	0°♊	
max. Earth dist.	-52 Jun 13 j 13:49	12°♊57'24	2.61464 AU
	-52 Jul 09 j 20:31	0°♋	
morning rise	-52 Jul 12 j 10:48	1°♋40'01	
	-52 Aug 26 j 02:51	0°♌	
	-52 Oct 13 j 13:27	0°♍	
	-52 Dec 02 j 22:24	0°♎	
	-51 Jan 28 j 10:03	0°♏	
retrograde	-51 Apr 02 j 02:38	18°♏01'21	
desc. node	-51 Apr 21 j 01:46	15°♏46'32	
opposition	-51 May 05 j 12:14	11°♏36'02	-0°49'00
greatest brilliancy	-51 May 05 j 18:24	11°♏30'59	-2.4m
min. Earth dist.	-51 May 13 j 20:50	8°♏52'07	0.45835 AU
direct	-51 Jun 11 j 04:18	3°♏45'34	
	-51 Aug 21 j 12:15	0°♐	
	-51 Oct 05 j 14:45	0°♑	
	-51 Nov 15 j 22:34	0°♒	
	-51 Dec 26 j 20:11	0°♓	
	-50 Feb 06 j 16:13	0°♈	
asc. node	-50 Feb 18 j 18:37	8°♈29'09	
	-50 Mar 22 j 01:37	0°♉	
	-50 May 06 j 02:54	0°♊	
evening set	-50 May 16 j 07:17	6°♊39'03	
	-50 Jun 21 j 11:26	0°♋	
conjunction	-50 Jul 03 j 18:46	7°♋52'26	1°02'28
minimum elong	-50 Jul 03 j 17:46	7°♋50'50	1°02'28
max. Earth dist.	-50 Jul 08 j 07:01	10°♋45'17	2.66820 AU
	-50 Aug 07 j 12:00	0°♌	
morning rise	-50 Aug 18 j 07:46	6°♌53'17	
	-50 Sep 23 j 13:54	0°♍	
	-50 Nov 09 j 09:39	0°♎	
	-50 Dec 26 j 02:52	0°♏	
	-49 Feb 11 j 10:48	0°♐	
desc. node	-49 Mar 09 j 01:42	15°♐41'55	
	-49 Apr 02 j 17:53	0°♑	
retrograde	-49 Jun 18 j 11:30	27°♑05'05	
opposition	-49 Jul 18 j 19:10	22°♑02'15	-6°46'51
min. Earth dist.	-49 Jul 18 j 06:59	22°♑10'20	0.37422 AU
greatest brilliancy	-49 Jul 18 j 16:59	22°♑03'41	-2.9m
direct	-49 Aug 17 j 15:22	17°♑05'13	
	-49 Oct 04 j 16:10	0°♒	
	-49 Nov 27 j 02:20	0°♓	
asc. node	-48 Jan 06 j 16:28	25°♓48'43	
	-48 Jan 13 j 04:06	0°♈	
	-48 Feb 28 j 14:12	0°♉	
	-48 Apr 15 j 12:27	0°♊	
	-48 Jun 01 j 22:36	0°♋	
evening set	-48 Jun 23 j 21:12	13°♋51'51	
	-48 Jul 19 j 07:40	0°♌	
max. Earth dist.	-48 Jul 30 j 19:33	7°♌19'52	2.66725 AU
conjunction	-48 Aug 08 j 20:59	13°♌08'01	1°08'46
minimum elong	-48 Aug 08 j 21:21	13°♌08'37	1°08'46
	-48 Sep 03 j 23:47	0°♍	
morning rise	-48 Sep 22 j 12:21	12°♍06'47	
	-48 Oct 19 j 11:23	0°♎	
	-48 Dec 02 j 14:49	0°♏	
	-47 Jan 14 j 12:29	0°♐	
desc. node	-47 Jan 24 j 00:32	6°♐44'39	
	-47 Feb 25 j 11:50	0°♑	
	-47 Apr 08 j 05:02	0°♒	
	-47 May 21 j 09:16	0°♓	
	-47 Jul 11 j 16:22	0°♈	
retrograde	-47 Aug 23 j 19:50	11°♈23'22	
min. Earth dist.	-47 Sep 20 j 19:47	6°♈01'40	0.45654 AU
opposition	-47 Sep 28 j 21:39	3°♈13'20	-2°59'04
greatest brilliancy	-47 Sep 28 j 02:24	3°♈30'07	-2.4m
	-47 Oct 08 j 20:55	30°℞♓	
direct	-47 Oct 31 j 10:48	26°♓36'04	
asc. node	-47 Nov 23 j 16:15	29°♓48'58	
	-47 Nov 24 j 09:09	0°♈	
	-46 Jan 31 j 03:54	0°♉	
	-46 Mar 24 j 14:11	0°♊	
	-46 May 13 j 10:52	0°♋	
	-46 Jun 30 j 21:24	0°♌	
evening set	-46 Jul 31 j 08:58	19°♌23'12	
	-46 Aug 16 j 17:58	0°♍	
max. Earth dist.	-46 Aug 24 j 11:40	5°♍04'12	2.61283 AU
conjunction	-46 Sep 15 j 18:08	19°♍52'04	0°47'54

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

minimum elong	-46 Sep 15 j 19:25	19°♍54'13	0°47'53
	-46 Sep 30 j 17:26	0°♎	
morning rise	-46 Nov 01 j 22:53	22°♎20'31	
	-46 Nov 12 j 18:16	0°♏	
desc. node	-46 Dec 11 j 23:18	21°♏06'06	
	-46 Dec 24 j 01:30	0°♐	
	-45 Feb 02 j 01:28	0°♑	
	-45 Mar 13 j 09:09	0°♒	
	-45 Apr 21 j 22:05	0°♓	
	-45 Jun 02 j 00:23	0°♈	
	-45 Jul 17 j 07:52	0°♉	
	-45 Sep 21 j 23:58	0°♊	
retrograde	-45 Oct 08 j 04:31	1°♊44'08	
asc. node	-45 Oct 11 j 16:06	1°♊38'58	
	-45 Oct 23 j 18:17	30°℞♉	
min. Earth dist.	-45 Nov 10 j 12:44	24°♉17'54	0.58124 AU
opposition	-45 Nov 16 j 12:57	21°♉56'09	1°33'42
greatest brilliancy	-45 Nov 16 j 03:51	22°♉05'06	-1.8m
direct	-45 Dec 23 j 08:31	13°♉29'36	
	-44 Feb 21 j 22:02	0°♊	
	-44 Apr 20 j 05:30	0°♋	
	-44 Jun 10 j 08:48	0°♌	
	-44 Jul 28 j 03:34	0°♍	
evening set	-44 Sep 08 j 11:13	28°♍08'43	
	-44 Sep 11 j 04:15	0°♎	
max. Earth dist.	-44 Sep 23 j 23:20	8°♎50'58	2.51018 AU
	-44 Oct 23 j 17:45	0°♏	
conjunction	-44 Oct 28 j 21:50	3°♏45'11	0°00'01
minimum elong	-44 Oct 28 j 21:52	3°♏45'14	0°00'01
behind sun begin	-44 Oct 28 j 04:04	3°♏12'52	
behind sun end	-44 Oct 29 j 15:40	4°♏17'38	
desc. node	-44 Oct 28 j 22:04	3°♏45'35	
	-44 Dec 03 j 06:31	0°♐	
morning rise	-44 Dec 23 j 10:07	15°♐21'09	
	-43 Jan 11 j 09:21	0°♑	
	-43 Feb 18 j 20:15	0°♒	
	-43 Mar 29 j 11:55	0°♓	
	-43 May 08 j 07:10	0°♈	
	-43 Jun 19 j 08:53	0°♉	
	-43 Aug 04 j 13:53	0°♊	
asc. node	-43 Aug 28 j 14:23	13°♊50'35	
	-43 Oct 01 j 10:05	0°♋	
retrograde	-43 Nov 12 j 19:10	9°♋33'05	
min. Earth dist.	-43 Dec 20 j 16:18	0°♋33'41	0.65919 AU
opposition	-43 Dec 22 j 23:29	29°♊38'22	3°51'02
	-43 Dec 22 j 01:55	30°℞♊	
greatest brilliancy	-43 Dec 22 j 14:47	29°♊47'06	-1.4m
direct	-42 Jan 31 j 15:30	20°♊11'18	
	-42 Mar 17 j 17:12	0°♋	
	-42 May 18 j 19:14	0°♌	
	-42 Jul 08 j 06:28	0°♍	
	-42 Aug 23 j 01:49	0°♎	
desc. node	-42 Sep 15 j 20:44	16°♎31'13	
	-42 Oct 04 j 15:44	0°♏	
evening set	-42 Oct 27 j 15:26	16°♏58'13	
	-42 Nov 13 j 20:55	0°♐	
max. Earth dist.	-42 Nov 26 j 15:03	9°♐47'26	2.38633 AU
	-42 Dec 22 j 13:48	0°♑	
conjunction	-42 Dec 26 j 23:03	3°♑26'38	-0°56'43
minimum elong	-42 Dec 26 j 20:36	3°♑21'49	0°56'42
	-41 Jan 29 j 15:42	0°♒	
morning rise	-41 Mar 05 j 21:21	27°♒34'38	
	-41 Mar 09 j 00:28	0°♓	
	-41 Apr 17 j 12:48	0°♈	
	-41 May 28 j 23:20	0°♉	
	-41 Jul 12 j 02:34	0°♊	
asc. node	-41 Jul 16 j 13:20	2°♊54'09	
	-41 Aug 29 j 04:53	0°♋	
	-41 Oct 25 j 19:08	0°♌	
retrograde	-41 Dec 17 j 08:32	13°♌10'58	
opposition	-40 Jan 26 j 02:27	3°♌43'00	4°36'41
greatest brilliancy	-40 Jan 26 j 07:21	3°♌38'08	-1.3m
min. Earth dist.	-40 Jan 27 j 16:23	3°♌05'22	0.67354 AU
	-40 Feb 04 j 16:52	30°℞♋	
direct	-40 Mar 07 j 06:37	23°♋45'49	
	-40 Apr 10 j 22:00	0°♌	
	-40 Jun 13 j 19:49	0°♍	
	-40 Aug 01 j 08:34	0°♎	
desc. node	-40 Aug 02 j 19:54	0°♎58'26	
	-40 Sep 13 j 17:09	0°♏	
	-40 Oct 24 j 01:32	0°♐	
	-40 Dec 01 j 16:48	0°♑	
evening set	-40 Dec 31 j 08:24	23°♑23'44	
	-39 Jan 08 j 17:13	0°♒	
	-39 Feb 16 j 02:40	0°♓	
conjunction	-39 Mar 08 j 09:20	15°♓30'16	-0°49'05
minimum elong	-39 Mar 08 j 12:15	15°♓35'47	0°49'04
	-39 Mar 27 j 17:36	0°♈	
max. Earth dist.	-39 Apr 26 j 08:33	21°♈34'37	2.45730 AU
	-39 May 08 j 05:15	0°♉	
morning rise	-39 May 11 j 01:18	1°♉59'42	
asc. node	-39 Jun 02 j 12:40	17°♉33'21	
	-39 Jun 20 j 23:08	0°♊	
	-39 Aug 06 j 05:19	0°♋	
	-39 Sep 24 j 17:05	0°♌	
	-39 Nov 20 j 10:29	0°♍	
retrograde	-38 Jan 22 j 18:13	17°♍35'28	
opposition	-38 Mar 01 j 23:17	8°♍57'12	3°58'12
greatest brilliancy	-38 Mar 02 j 17:32	8°♍39'39	-1.5m
min. Earth dist.	-38 Mar 07 j 09:18	6°♍52'21	0.62217 AU
	-38 Mar 30 j 21:36	30°℞♌	
direct	-38 Apr 12 j 03:21	29°♌01'04	
	-38 Apr 24 j 20:14	0°♍	
desc. node	-38 Jun 20 j 19:27	21°♍14'30	
	-38 Jul 06 j 13:00	0°♎	
	-38 Aug 22 j 07:10	0°♏	
	-38 Oct 02 j 18:31	0°♐	
	-38 Nov 10 j 21:43	0°♑	
	-38 Dec 19 j 06:29	0°♒	
	-37 Jan 27 j 00:49	0°♓	
	-37 Mar 08 j 01:59	0°♈	
evening set	-37 Mar 09 j 04:45	0°♈49'04	
	-37 Apr 18 j 23:32	0°♉	
asc. node	-37 Apr 20 j 10:42	1°♉01'24	
conjunction	-37 May 06 j 06:35	11°♉58'08	0°09'37
minimum elong	-37 May 06 j 06:03	11°♉57'14	0°09'36
behind sun begin	-37 May 05 j 11:33	11°♉25'31	
behind sun end	-37 May 07 j 00:33	12°♉28'55	
	-37 Jun 01 j 22:31	0°♊	
max. Earth dist.	-37 Jun 03 j 16:03	1°♊09'14	2.57933 AU
morning rise	-37 Jun 27 j 20:32	17°♊05'29	
	-37 Jul 17 j 19:28	0°♋	
	-37 Sep 03 j 08:58	0°♌	
	-37 Oct 22 j 20:27	0°♍	
	-37 Dec 15 j 10:10	0°♎	
retrograde	-36 Mar 09 j 15:22	28°♎25'08	
opposition	-36 Apr 13 j 20:21	21°♎11'53	1°12'24
greatest brilliancy	-36 Apr 14 j 06:41	21°♎02'48	-2.1m
min. Earth dist.	-36 Apr 22 j 05:21	18°♎15'32	0.51126 AU
desc. node	-36 May 07 j 17:53	13°♎51'55	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

direct	-36 May 22 j 15:01	12°♎21'12	
	-36 Jul 19 j 00:22	0°♏	
	-36 Sep 05 j 10:55	0°♐	
	-36 Oct 17 j 01:00	0°♑	
	-36 Nov 25 j 20:08	0°♒	
	-35 Jan 04 j 17:39	0°♓	
	-35 Feb 14 j 19:10	0°♈	
asc. node	-35 Mar 07 j 10:03	14°♈37'18	
	-35 Mar 29 j 14:00	0°♉	
evening set	-35 Apr 29 j 06:35	20°♉45'39	
	-35 May 13 j 04:45	0°♊	
conjunction	-35 Jun 18 j 15:08	23°♊45'57	0°52'51
minimum elong	-35 Jun 18 j 13:47	23°♊43'45	0°52'51
	-35 Jun 28 j 07:26	0°♋	
max. Earth dist.	-35 Jun 29 j 02:17	0°♋30'18	2.65368 AU
morning rise	-35 Aug 04 j 09:10	23°♋40'30	
	-35 Aug 14 j 08:17	0°♌	
	-35 Sep 30 j 19:04	0°♍	
	-35 Nov 17 j 13:34	0°♎	
	-34 Jan 05 j 07:57	0°♏	
	-34 Feb 26 j 15:14	0°♐	
desc. node	-34 Mar 25 j 16:45	13°♐19'01	
retrograde	-34 May 17 j 01:28	26°♐56'23	
opposition	-34 Jun 16 j 18:21	21°♐45'42	-4°59'00
greatest brilliancy	-34 Jun 17 j 12:15	21°♐33'15	-2.8m
min. Earth dist.	-34 Jun 21 j 10:19	20°♐28'10	0.39051 AU
direct	-34 Jul 18 j 16:31	16°♐00'51	
	-34 Sep 06 j 00:25	0°♑	
	-34 Oct 26 j 16:50	0°♒	
	-34 Dec 10 j 06:16	0°♓	
asc. node	-33 Jan 23 j 09:26	0°♈06'12	
	-33 Jan 23 j 05:46	0°♈	
	-33 Mar 09 j 01:02	0°♉	
	-33 Apr 24 j 00:39	0°♊	
	-33 Jun 09 j 22:03	0°♋	
evening set	-33 Jun 10 j 00:05	0°♋03'13	
max. Earth dist.	-33 Jul 22 j 18:36	27°♋14'59	2.67408 AU
conjunction	-33 Jul 26 j 14:55	29°♋42'04	1°09'30
minimum elong	-33 Jul 26 j 14:44	29°♋41'46	1°09'30
	-33 Jul 27 j 02:11	0°♌	
morning rise	-33 Sep 09 j 06:12	28°♌19'25	
	-33 Sep 11 j 20:26	0°♍	
	-33 Oct 27 j 17:38	0°♎	
	-33 Dec 11 j 14:57	0°♏	
	-32 Jan 24 j 15:43	0°♐	
desc. node	-32 Feb 10 j 16:47	11°♐43'04	
	-32 Mar 08 j 06:02	0°♑	
	-32 Apr 21 j 13:39	0°♒	
	-32 Jun 10 j 10:37	0°♓	
retrograde	-32 Aug 01 j 05:07	15°♓29'45	
min. Earth dist.	-32 Aug 27 j 19:06	10°♓51'55	0.40973 AU
opposition	-32 Sep 03 j 20:25	8°♓41'01	-5°14'24
greatest brilliancy	-32 Sep 02 j 17:11	9°♓02'14	-2.7m
direct	-32 Oct 04 j 15:06	2°♓59'42	
asc. node	-32 Dec 10 j 08:09	24°♓02'43	
	-32 Dec 21 j 17:27	0°♈	
	-31 Feb 11 j 22:01	0°♉	
	-31 Apr 02 j 07:10	0°♊	
	-31 May 20 j 22:21	0°♋	
	-31 Jul 07 j 20:19	0°♌	
evening set	-31 Jul 16 j 18:06	5°♌39'03	
max. Earth dist.	-31 Aug 14 j 12:32	24°♌06'53	2.64026 AU
	-31 Aug 23 j 13:45	0°♍	
conjunction	-31 Aug 31 j 15:03	5°♍16'24	0°59'16
minimum elong	-31 Aug 31 j 16:08	5°♍18'10	0°59'15
	-31 Oct 07 j 16:40	0°♎	
morning rise	-31 Oct 16 j 07:54	5°♎52'31	
	-31 Nov 20 j 02:05	0°♏	
desc. node	-31 Dec 28 j 15:30	27°♏38'13	
	-31 Dec 31 j 21:18	0°♐	
	-30 Feb 10 j 11:07	0°♑	
	-30 Mar 22 j 09:34	0°♒	
	-30 May 01 j 16:26	0°♓	
	-30 Jun 13 j 04:02	0°♈	
	-30 Aug 02 j 11:37	0°♉	
retrograde	-30 Sep 22 j 02:32	14°♉30'46	
min. Earth dist.	-30 Oct 23 j 08:57	7°♉50'31	0.53586 AU
asc. node	-30 Oct 28 j 07:11	5°♉57'45	
opposition	-30 Oct 30 j 14:42	5°♉04'32	0°06'38
greatest brilliancy	-29 Oct 10 j 19:17	15°♎00'49	1.4m
	-30 Nov 14 j 14:53	30°℞♈	
direct	-30 Dec 04 j 21:51	27°♈13'38	
	-30 Dec 26 j 18:34	0°♉	
	-29 Mar 07 j 16:50	0°♊	
	-29 Apr 30 j 02:39	0°♋	
	-29 Jun 18 j 21:14	0°♌	
	-29 Aug 05 j 04:56	0°♍	
evening set	-29 Aug 24 j 05:04	12°♍29'32	
max. Earth dist.	-29 Sep 11 j 08:55	24°♍41'12	2.55535 AU
	-29 Sep 19 j 03:56	0°♎	
conjunction	-29 Oct 11 j 12:27	15°♎30'58	0°21'32
minimum elong	-29 Oct 11 j 13:21	15°♎32'33	0°21'30
	-29 Oct 31 j 20:57	0°♏	
desc. node	-29 Nov 15 j 14:02	10°♏40'42	
morning rise	-29 Dec 01 j 20:38	22°♏40'52	
	-29 Dec 11 j 15:46	0°♐	
	-28 Jan 20 j 01:30	0°♑	
	-28 Feb 27 j 18:49	0°♒	
	-28 Apr 06 j 16:07	0°♓	
	-28 May 16 j 18:22	0°♈	
	-28 Jun 28 j 11:34	0°♉	
	-28 Aug 15 j 22:49	0°♊	
asc. node	-28 Sep 14 j 06:51	14°♊35'47	
retrograde	-28 Oct 30 j 02:20	25°♊50'43	
min. Earth dist.	-28 Dec 05 j 08:03	17°♊24'10	0.63595 AU
opposition	-28 Dec 09 j 03:13	15°♊53'01	3°10'30
greatest brilliancy	-28 Dec 08 j 15:46	16°♊04'27	-1.5m
direct	-27 Jan 16 j 20:31	6°♊45'15	
	-27 Apr 02 j 11:09	0°♋	
	-27 May 27 j 21:39	0°♌	
	-27 Jul 15 j 23:50	0°♍	
	-27 Aug 30 j 09:32	0°♎	
desc. node	-27 Oct 02 j 13:47	23°♎14'56	
evening set	-27 Oct 06 j 19:36	26°♎18'01	
	-27 Oct 11 j 22:14	0°♏	
max. Earth dist.	-27 Oct 22 j 23:53	8°♏05'56	2.43207 AU
	-27 Nov 21 j 05:27	0°♐	
conjunction	-27 Dec 01 j 13:10	7°♐53'21	-0°37'07
minimum elong	-27 Dec 01 j 11:00	7°♐49'11	0°37'06
	-27 Dec 30 j 01:15	0°♑	
morning rise	-26 Feb 03 j 20:37	28°♑07'50	
	-26 Feb 06 j 05:40	0°♒	
	-26 Mar 16 j 15:50	0°♓	
	-26 Apr 25 j 05:05	0°♈	
	-26 Jun 05 j 18:17	0°♉	
	-26 Jul 20 j 08:09	0°♊	
asc. node	-26 Aug 02 j 04:48	8°♊09'26	
	-26 Sep 08 j 04:16	0°♋	
	-26 Nov 25 j 07:53	0°♌	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

retrograde	-26 Dec 03 j 20:41	0°♌27'05		
	-26 Dec 12 j 03:55	30°℞♋		
opposition	-25 Jan 12 j 21:59	20°♋45'58	4°28'24	
greatest brilliancy	-25 Jan 12 j 20:54	20°♋47'03	-1.3m	
min. Earth dist.	-25 Jan 12 j 23:16	20°♋44'42	0.67587 AU	
direct	-25 Feb 22 j 15:59	10°♋57'29		
	-25 Apr 30 j 03:55	0°♌		
	-25 Jun 24 j 09:52	0°♍		
	-25 Aug 10 j 11:58	0°♎		
desc. node	-25 Aug 20 j 13:01	6°♎48'18		
	-25 Sep 22 j 10:49	0°♏		
	-25 Nov 01 j 16:44	0°♐		
evening set	-25 Dec 04 j 16:55	25°♐35'26		
	-25 Dec 10 j 07:41	0°♑		
	-24 Jan 17 j 07:40	0°♒		
conjunction	-24 Feb 09 j 08:08	18°♒05'33	-1°03'21	
minimum elong	-24 Feb 09 j 09:44	18°♒08'39	1°03'20	
	-24 Feb 24 j 15:35	0°♓		
max. Earth dist.	-24 Mar 29 j 17:27	25°♓56'35	2.40383 AU	
	-24 Apr 04 j 04:03	0°♈		
morning rise	-24 Apr 17 j 14:28	9°♈54'27		
	-24 May 15 j 13:27	0°♉		
asc. node	-24 Jun 19 j 03:34	23°♉51'15		
	-24 Jun 28 j 07:59	0°♊		
	-24 Aug 14 j 00:11	0°♋		
	-24 Oct 04 j 03:50	0°♌		
	-24 Dec 11 j 07:43	0°♍		
retrograde	-23 Jan 07 j 13:10	4°♍00'50		
	-23 Feb 01 j 16:13	30°℞♌		
opposition	-23 Feb 15 j 12:20	25°♌00'06	4°24'17	
greatest brilliancy	-23 Feb 16 j 02:16	24°♌46'30	-1.4m	
min. Earth dist.	-23 Feb 19 j 10:56	23°♌27'48	0.65005 AU	
direct	-23 Mar 28 j 21:45	14°♌58'49		
	-23 May 24 j 01:20	0°♍		
desc. node	-23 Jul 07 j 11:14	23°♍51'28		
	-23 Jul 17 j 11:03	0°♎		
	-23 Aug 31 j 07:10	0°♏		
	-23 Oct 11 j 03:51	0°♐		
	-23 Nov 19 j 00:25	0°♑		
	-23 Dec 27 j 04:29	0°♒		
	-22 Feb 03 j 17:52	0°♓		
evening set	-22 Feb 12 j 07:53	6°♓34'02		
	-22 Mar 15 j 13:29	0°♈		
conjunction	-22 Apr 15 j 12:56	22°♈26'32	-0°13'20	
minimum elong	-22 Apr 15 j 13:47	22°♈28'04	0°13'19	
behind sun begin	-22 Apr 15 j 00:09	22°♈03'50		
behind sun end	-22 Apr 16 j 03:26	22°♈52'18		
	-22 Apr 26 j 05:32	0°♉		
asc. node	-22 May 07 j 03:45	7°♉37'32		
max. Earth dist.	-22 May 22 j 02:32	17°♉54'11	2.53599 AU	
	-22 Jun 09 j 00:33	0°♊		
morning rise	-22 Jun 10 j 20:36	1°♊13'34		
	-22 Jul 24 j 22:14	0°♋		
	-22 Sep 10 j 23:09	0°♌		
	-22 Nov 01 j 01:27	0°♍		
	-22 Dec 31 j 13:49	0°♎		
retrograde	-21 Feb 18 j 14:43	11°♎26'02		
opposition	-21 Mar 27 j 05:45	3°♎33'49	2°37'36	
greatest brilliancy	-21 Mar 28 j 00:08	3°♎16'53	-1.8m	
min. Earth dist.	-21 Apr 03 j 17:38	0°♎48'25	0.56042 AU	
	-21 Apr 06 j 00:03	30°℞♍		
direct	-21 May 06 j 08:43	24°♍05'31		
desc. node	-21 May 25 j 10:02	26°♍21'24		
	-21 Jun 07 j 02:12	0°♎		
	-21 Aug 04 j 17:06	0°♏		
	-21 Sep 17 j 14:47	0°♐		
	-21 Oct 27 j 18:25	0°♑		
	-21 Dec 05 j 18:37	0°♒		
	-20 Jan 14 j 01:49	0°♓		
	-20 Feb 23 j 14:58	0°♈		
asc. node	-20 Mar 24 j 02:40	21°♈02'05		
	-20 Apr 05 j 23:17	0°♉		
evening set	-20 Apr 10 j 14:49	3°♉12'39		
	-20 May 20 j 05:57	0°♊		
conjunction	-20 Jun 02 j 11:03	8°♊43'37	0°39'07	
minimum elong	-20 Jun 02 j 09:38	8°♊41'17	0°39'06	
max. Earth dist.	-20 Jun 19 j 11:49	19°♊51'07	2.63077 AU	
	-20 Jul 05 j 04:33	0°♋		
morning rise	-20 Jul 20 j 23:38	10°♋07'20		
	-20 Aug 21 j 07:45	0°♌		
	-20 Oct 08 j 07:36	0°♍		
	-20 Nov 26 j 12:11	0°♎		
	-19 Jan 17 j 23:18	0°♏		
	-19 Apr 03 j 10:52	0°♐		
desc. node	-19 Apr 11 j 09:15	0°♐53'45		
retrograde	-19 Apr 17 j 01:25	1°♐05'35		
	-19 Apr 30 j 05:27	30°℞♏		
opposition	-19 May 19 j 10:29	25°♏08'30	-2°15'01	
greatest brilliancy	-19 May 20 j 01:15	24°♏56'59	-2.6m	
min. Earth dist.	-19 May 27 j 02:00	22°♏46'03	0.43081 AU	
direct	-19 Jun 23 j 13:14	18°♏00'31		
	-19 Aug 07 j 10:22	0°♐		
	-19 Sep 27 j 04:21	0°♑		
	-19 Nov 09 j 02:47	0°♒		
	-19 Dec 20 j 20:32	0°♓		
	-18 Feb 01 j 05:39	0°♈		
asc. node	-18 Feb 09 j 01:00	5°♈25'39		
	-18 Mar 17 j 00:12	0°♉		
	-18 May 01 j 07:40	0°♊		
evening set	-18 May 25 j 12:34	15°♊41'12		
	-18 Jun 16 j 19:46	0°♋		
conjunction	-18 Jul 12 j 04:54	16°♋11'50	1°06'13	
minimum elong	-18 Jul 12 j 04:10	16°♋10'40	1°06'13	
max. Earth dist.	-18 Jul 13 j 14:19	17°♋05'04	2.67258 AU	
	-18 Aug 02 j 21:01	0°♌		
morning rise	-18 Aug 26 j 07:12	14°♌56'34		
	-18 Sep 18 j 19:24	0°♍		
	-18 Nov 04 j 05:44	0°♎		
	-18 Dec 20 j 04:05	0°♏		
	-17 Feb 03 j 23:16	0°♐		
desc. node	-17 Feb 27 j 08:20	15°♐09'51		
	-17 Mar 22 j 16:39	0°♑		
	-17 May 13 j 21:54	0°♒		
retrograde	-17 Jul 05 j 19:45	15°♒20'36		
min. Earth dist.	-17 Aug 02 j 11:58	10°♒50'37	0.37933 AU	
greatest brilliancy	-17 Aug 05 j 07:39	10°♒04'13	-2.9m	
opposition	-17 Aug 06 j 00:19	9°♒52'47	-6°47'12	
direct	-17 Sep 04 j 13:37	4°♒53'17		
	-17 Nov 16 j 09:24	0°♓		
asc. node	-17 Dec 28 j 00:12	24°♓27'11		
	-16 Jan 05 j 23:50	0°♈		
	-16 Feb 22 j 18:41	0°♉		
	-16 Apr 10 j 09:06	0°♊		
	-16 May 28 j 03:46	0°♋		
evening set	-16 Jul 02 j 05:31	22°♋05'32		
	-16 Jul 14 j 16:56	0°♌		
max. Earth dist.	-16 Aug 05 j 03:34	13°♌41'17	2.65993 AU	
conjunction	-16 Aug 17 j 01:18	21°♌21'08	1°06'27	
minimum elong	-16 Aug 17 j 01:57	21°♌22'12	1°06'28	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-16 Aug 30 j 09:23	0°♍	
morning rise	-16 Sep 30 j 22:07	20°♍45'10	
	-16 Oct 14 j 17:47	0°♎	
	-16 Nov 27 j 14:14	0°♏	
	-15 Jan 09 j 01:06	0°♐	
desc. node	-15 Jan 14 j 08:15	3°♐48'17	
	-15 Feb 19 j 09:59	0°♑	
	-15 Apr 01 j 07:21	0°♒	
	-15 May 12 j 23:38	0°♓	
	-15 Jun 27 j 20:17	0°♈	
retrograde	-15 Sep 04 j 03:22	24°♈39'48	
min. Earth dist.	-15 Oct 03 j 06:49	18°♈49'47	0.48535 AU
opposition	-15 Oct 11 j 07:20	15°♈55'06	-1°44'46
greatest brilliancy	-15 Oct 10 j 19:44	16°♈05'37	-2.3m
direct	-15 Nov 13 j 20:42	8°♈48'52	
asc. node	-15 Nov 13 j 23:05	8°♈48'52	
	-14 Jan 21 j 20:29	0°♉	
	-14 Mar 18 j 09:37	0°♊	
	-14 May 08 j 06:08	0°♋	
	-14 Jun 26 j 02:46	0°♌	
evening set	-14 Aug 08 j 20:40	27°♌52'16	
	-14 Aug 12 j 03:12	0°♍	
max. Earth dist.	-14 Aug 30 j 16:00	12°♍11'30	2.59455 AU
conjunction	-14 Sep 24 j 17:40	29°♍03'22	0°39'26
minimum elong	-14 Sep 24 j 18:56	29°♍05'31	0°39'25
	-14 Sep 26 j 02:52	0°♎	
	-14 Nov 08 j 01:18	0°♏	
morning rise	-14 Nov 12 j 02:44	2°♏54'30	
desc. node	-14 Dec 02 j 07:14	17°♏32'53	
	-14 Dec 19 j 04:12	0°♐	
	-13 Jan 27 j 22:41	0°♑	
	-13 Mar 08 j 00:24	0°♒	
	-13 Apr 16 j 05:54	0°♓	
	-13 May 26 j 19:54	0°♈	
	-13 Jul 09 j 18:20	0°♉	
	-13 Sep 01 j 21:14	0°♊	
asc. node	-13 Oct 01 j 21:35	9°♊45'20	
retrograde	-13 Oct 16 j 19:42	11°♊12'43	
min. Earth dist.	-13 Nov 20 j 06:00	3°♊23'29	0.60326 AU
opposition	-13 Nov 25 j 12:01	1°♊18'34	2°14'42
greatest brilliancy	-13 Nov 25 j 00:47	1°♊29'42	-1.7m
	-13 Nov 28 j 20:04	30°℞♉	
direct	-12 Jan 02 j 01:41	22°♉35'22	
	-12 Feb 09 j 02:27	0°♊	
	-12 Apr 13 j 18:50	0°♋	
	-12 Jun 05 j 03:15	0°♌	
	-12 Jul 23 j 08:14	0°♍	
	-12 Sep 06 j 12:18	0°♎	
evening set	-12 Sep 18 j 06:37	8°♎07'14	
max. Earth dist.	-12 Oct 03 j 00:12	18°♎28'28	2.48313 AU
desc. node	-12 Oct 19 j 05:33	0°♏06'23	
	-12 Oct 19 j 02:01	0°♏	
conjunction	-12 Nov 09 j 06:50	15°♏33'06	-0°13'28
minimum elong	-12 Nov 09 j 06:05	15°♏31'42	0°13'27
behind sun begin	-12 Nov 08 j 16:47	15°♏07'02	
behind sun end	-12 Nov 09 j 19:23	15°♏56'23	
	-12 Nov 28 j 13:13	0°♐	
morning rise	-11 Jan 06 j 16:20	0°♑05'06	
	-11 Jan 06 j 13:42	0°♑	
	-11 Feb 13 j 22:14	0°♒	
	-11 Mar 24 j 11:20	0°♓	
	-11 May 03 j 03:07	0°♈	
	-11 Jun 13 j 21:56	0°♉	
	-11 Jul 29 j 06:32	0°♊	
asc. node	-11 Aug 18 j 21:08	12°♊27'23	
	-11 Sep 20 j 14:00	0°♋	
retrograde	-11 Nov 20 j 12:26	17°♋34'56	
min. Earth dist.	-11 Dec 29 j 05:58	8°♋19'05	0.66786 AU
opposition	-11 Dec 30 j 16:58	7°♋44'02	4°08'29
greatest brilliancy	-11 Dec 30 j 10:37	7°♋50'23	-1.3m
	-10 Jan 22 j 18:27	30°℞♊	
direct	-10 Feb 08 j 19:40	28°♊08'05	
	-10 Feb 26 j 23:19	0°♋	
	-10 May 12 j 04:14	0°♌	
	-10 Jul 02 j 23:02	0°♍	
	-10 Aug 18 j 04:24	0°♎	
desc. node	-10 Sep 06 j 04:32	13°♎05'25	
	-10 Sep 29 j 21:38	0°♏	
evening set	-10 Nov 09 j 14:06	0°♐20'44	
	-10 Nov 09 j 03:14	0°♐	
	-10 Dec 17 j 19:23	0°♑	
max. Earth dist.	-9 Jan 08 j 15:50	17°♑13'08	2.37233 AU
conjunction	-9 Jan 11 j 13:06	19°♑29'54	-1°03'21
minimum elong	-9 Jan 11 j 11:39	19°♑27'00	1°03'20
	-9 Jan 24 j 20:27	0°♒	
	-9 Mar 04 j 04:27	0°♓	
morning rise	-9 Mar 22 j 11:54	14°♓03'28	
	-9 Apr 12 j 16:00	0°♈	
	-9 May 24 j 01:00	0°♉	
asc. node	-9 Jul 06 j 20:17	29°♉55'40	
	-9 Jul 06 j 22:55	0°♊	
	-9 Aug 23 j 08:08	0°♋	
	-9 Oct 16 j 12:06	0°♌	
retrograde	-9 Dec 25 j 06:25	20°♌59'19	
opposition	-8 Feb 02 j 19:03	11°♌40'06	4°35'44
greatest brilliancy	-8 Feb 03 j 03:18	11°♌31'57	-1.3m
min. Earth dist.	-8 Feb 05 j 05:20	10°♌42'35	0.66799 AU
direct	-8 Mar 15 j 02:56	1°♌40'01	
	-8 Jun 06 j 18:36	0°♍	
desc. node	-8 Jul 24 j 03:39	28°♍16'59	
	-8 Jul 26 j 19:16	0°♎	
	-8 Sep 08 j 14:57	0°♏	
	-8 Oct 19 j 03:24	0°♐	
	-8 Nov 26 j 20:13	0°♑	
	-7 Jan 03 j 21:25	0°♒	
evening set	-7 Jan 16 j 03:55	9°♒39'01	
	-7 Feb 11 j 07:26	0°♓	
	-7 Mar 22 j 22:57	0°♈	
conjunction	-7 Mar 23 j 00:44	0°♈03'19	-0°36'57
minimum elong	-7 Mar 23 j 03:13	0°♈07'55	0°36'55
	-7 May 03 j 11:06	0°♉	
max. Earth dist.	-7 May 06 j 23:31	2°♉28'24	2.48664 AU
morning rise	-7 May 22 j 22:27	13°♉33'40	
asc. node	-7 May 23 j 18:54	14°♉08'49	
	-7 Jun 16 j 04:02	0°♊	
	-7 Aug 01 j 05:24	0°♋	
	-7 Sep 19 j 00:27	0°♌	
	-7 Nov 11 j 21:02	0°♍	
retrograde	-6 Feb 01 j 00:57	26°♍13'26	
opposition	-6 Mar 10 j 18:23	17°♍49'57	3°34'39
greatest brilliancy	-6 Mar 11 j 13:48	17°♍31'30	-1.6m
min. Earth dist.	-6 Mar 16 j 23:33	15°♍28'34	0.60251 AU
direct	-6 Apr 20 j 16:34	8°♍00'35	
desc. node	-6 Jun 11 j 01:45	21°♍31'43	
	-6 Jun 28 j 02:31	0°♎	
	-6 Aug 16 j 01:43	0°♏	
	-6 Sep 27 j 04:50	0°♐	
	-6 Nov 05 j 15:04	0°♑	
	-6 Dec 14 j 04:17	0°♒	
	-5 Jan 22 j 02:00	0°♓	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	-5 Mar 03 j 06:01	0°♈			00 Jan 18 j 18:06	0°♐	
evening set	-5 Mar 21 j 23:05	13°♈32'27		desc. node	00 Feb 01 j 00:19	9°♐17'39	
asc. node	-5 Apr 10 j 18:24	27°♈33'48			00 Mar 01 j 08:38	0°♑	
	-5 Apr 14 j 06:05	0°♉			00 Apr 12 j 23:27	0°♒	
					00 May 27 j 22:30	0°♓	
conjunction	-5 May 16 j 23:34	22°♉26'00	0°21'26		00 Aug 02 j 01:02	0°♈	
minimum elong	-5 May 16 j 22:33	22°♉24'17	0°21'25	retrograde	00 Aug 14 j 11:28	1°♈06'19	
	-5 May 28 j 06:25	0°♊			00 Aug 26 j 17:17	30°℞♓	
max. Earth dist.	-5 Jun 10 j 03:54	8°♊32'55	2.59981 AU	min. Earth dist.	00 Sep 10 j 17:12	26°♓06'17	0.43426 AU
morning rise	-5 Jul 06 j 21:51	25°♊59'55		opposition	00 Sep 18 j 13:24	23°♓30'06	-3°58'09
	-5 Jul 13 j 02:51	0°♋		greatest brilliancy	00 Sep 17 j 13:17	23°♓50'14	-2.5m
	-5 Aug 29 j 11:10	0°♌		direct	00 Oct 20 j 06:39	17°♓17'53	
	-5 Oct 17 j 06:32	0°♍		asc. node	00 Nov 30 j 14:32	26°♓33'01	
	-5 Dec 07 j 17:38	0°♎			00 Dec 08 j 22:49	0°♈	
	-4 Feb 07 j 07:49	0°♏			01 Feb 04 j 17:49	0°♉	
retrograde	-4 Mar 22 j 11:19	9°♏36'26			01 Mar 27 j 15:20	0°♊	
opposition	-4 Apr 25 j 16:40	2°♏48'53	0°07'36		01 May 15 j 22:11	0°♋	
greatest brilliancy	-3 Sep 07 j 23:37	18°♌36'04	1.8m		01 Jul 03 j 03:26	0°♌	
desc. node	-4 Apr 28 j 01:00	2°♏00'54		evening set	01 Jul 25 j 02:37	13°♌56'45	
	-4 May 03 j 23:49	30°℞♎			01 Aug 18 j 23:16	0°♍	
min. Earth dist.	-4 May 04 j 04:42	29°♎55'58	0.48189 AU	max. Earth dist.	01 Aug 20 j 06:04	0°♍50'15	2.62612 AU
direct	-4 Jun 02 j 09:43	24°♎28'26					
	-4 Jul 02 j 01:38	0°♏		conjunction	01 Sep 09 j 04:27	13°♍57'54	0°53'11
	-4 Aug 28 j 02:16	0°♐		minimum elong	01 Sep 09 j 05:40	13°♍59'56	0°53'10
	-4 Oct 10 j 06:53	0°♑			01 Oct 03 j 01:13	0°♎	
	-4 Nov 19 j 19:47	0°♒		morning rise	01 Oct 25 j 14:47	15°♎30'13	
	-4 Dec 30 j 04:52	0°♓			01 Nov 15 j 06:37	0°♏	
	-3 Feb 09 j 14:53	0°♈		desc. node	01 Dec 18 j 22:55	24°♏14'07	
asc. node	-3 Feb 25 j 17:05	11°♈21'20			01 Dec 26 j 19:46	0°♐	
	-3 Mar 24 j 16:21	0°♉			02 Feb 05 j 01:56	0°♑	
	-3 May 08 j 11:35	0°♊			02 Mar 16 j 15:47	0°♒	
evening set	-3 May 09 j 03:50	0°♊26'43			02 Apr 25 j 11:03	0°♓	
	-3 Jun 23 j 16:38	0°♋			02 Jun 05 j 23:33	0°♈	
					02 Jul 22 j 15:08	0°♉	
conjunction	-3 Jun 27 j 09:31	2°♋22'37	0°58'55	retrograde	02 Oct 01 j 11:44	25°♉02'10	
minimum elong	-3 Jun 27 j 08:20	2°♋20'43	0°58'55	asc. node	02 Oct 18 j 14:29	22°♉55'37	
max. Earth dist.	-3 Jul 04 j 12:17	6°♋56'04	2.66276 AU	min. Earth dist.	02 Nov 02 j 21:51	17°♉56'01	0.56178 AU
	-3 Aug 09 j 16:51	0°♌		opposition	02 Nov 09 j 12:08	15°♉22'12	0°59'48
morning rise	-3 Aug 12 j 09:54	1°♌43'22		greatest brilliancy	02 Nov 09 j 05:41	15°♉28'28	-1.9m
	-3 Sep 25 j 22:15	0°♍		direct	02 Dec 15 j 16:38	7°♉10'30	
	-3 Nov 12 j 03:17	0°♎			03 Feb 27 j 10:44	0°♊	
	-3 Dec 29 j 15:13	0°♏			03 Apr 24 j 07:39	0°♋	
	-2 Feb 16 j 14:34	0°♐			03 Jun 13 j 20:43	0°♌	
desc. node	-2 Mar 16 j 01:19	15°♐43'16			03 Jul 31 j 11:35	0°♍	
	-2 Apr 13 j 04:47	0°♑		evening set	03 Sep 02 j 08:23	21°♍43'10	
retrograde	-2 Jun 04 j 08:57	13°♑55'02			03 Sep 14 j 12:52	0°♎	
opposition	-2 Jul 04 j 12:10	8°♑56'36	-6°13'59	max. Earth dist.	03 Sep 18 j 18:54	2°♎55'07	2.53120 AU
greatest brilliancy	-2 Jul 04 j 21:36	8°♑50'19	-2.9m				
min. Earth dist.	-2 Jul 06 j 12:04	8°♑24'41	0.37756 AU	conjunction	03 Oct 21 j 17:20	26°♎03'11	0°09'35
direct	-2 Aug 04 j 01:20	3°♑46'00		minimum elong	03 Oct 21 j 17:47	26°♎04'00	0°09'34
	-2 Oct 15 j 14:50	0°♒		behind sun begin	03 Oct 21 j 00:03	25°♎32'16	
	-2 Dec 02 j 14:28	0°♓		behind sun end	03 Oct 22 j 11:30	26°♎35'45	
asc. node	-1 Jan 13 j 14:52	27°♓45'06			03 Oct 27 j 05:07	0°♏	
	-1 Jan 17 j 00:17	0°♈		desc. node	03 Nov 05 j 21:50	7°♏01'53	
	-1 Mar 03 j 14:29	0°♉			03 Dec 06 j 21:28	0°♐	
	-1 Apr 19 j 01:09	0°♊		morning rise	03 Dec 14 j 04:34	5°♐30'36	
	-1 Jun 05 j 04:58	0°♋			04 Jan 15 j 03:40	0°♑	
evening set	-1 Jun 18 j 14:17	8°♋28'58			04 Feb 22 j 17:20	0°♒	
	-1 Jul 22 j 11:47	0°♌			04 Apr 01 j 10:49	0°♓	
max. Earth dist.	-1 Jul 28 j 01:08	3°♌32'29	2.67143 AU		04 May 11 j 07:33	0°♈	
					04 Jun 22 j 13:15	0°♉	
conjunction	-1 Aug 03 j 19:03	7°♌50'59	1°09'33		04 Aug 08 j 09:24	0°♊	
minimum elong	-1 Aug 03 j 19:11	7°♌51'11	1°09'33	asc. node	04 Sep 04 j 12:56	14°♊57'26	
	-1 Sep 07 j 05:04	0°♍			04 Oct 11 j 02:06	0°♋	
morning rise	-1 Sep 17 j 08:49	6°♍36'13		retrograde	04 Nov 07 j 00:35	4°♋15'27	
	-1 Oct 22 j 21:24	0°♎			04 Dec 02 j 02:57	30°℞♊	
	-1 Dec 06 j 08:53	0°♏		min. Earth dist.	04 Dec 14 j 05:09	25°♊29'54	0.65005 AU

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

opposition	04 Dec 17 j 04:05	24°♊18'50	3°35'56	
greatest brilliancy	04 Dec 16 j 17:53	24°♊29'04	-1.4m	
direct	05 Jan 25 j 10:38	14°♊59'39		
	05 Mar 24 j 06:28	0°♋		
	05 May 22 j 00:11	0°♌		
	05 Jul 10 j 21:42	0°♍		
	05 Aug 25 j 14:19	0°♎		
desc. node	05 Sep 22 j 20:42	19°♎41'16		
	05 Oct 07 j 05:04	0°♏		
evening set	05 Oct 18 j 07:17	8°♏06'38		
max. Earth dist.	05 Nov 08 j 10:24	23°♏52'32	2.40534 AU	
	05 Nov 16 j 12:15	0°♐		
conjunction	05 Dec 15 j 11:28	22°♐20'03	-0°49'11	
minimum elong	05 Dec 15 j 08:53	22°♐15'01	0°49'09	
	05 Dec 25 j 06:54	0°♑		
	06 Feb 01 j 09:58	0°♒		
morning rise	06 Feb 20 j 16:20	15°♒07'51		
	06 Mar 11 j 18:50	0°♓		
	06 Apr 20 j 06:20	0°♈		
	06 May 31 j 16:23	0°♉		
	06 Jul 14 j 21:30	0°♊		
asc. node	06 Jul 23 j 11:39	5°♊33'14		
	06 Sep 01 j 11:57	0°♋		
	06 Nov 01 j 16:04	0°♌		
retrograde	06 Dec 11 j 13:46	8°♌13'27		
	07 Jan 17 j 02:24	30°℞♋		
opposition	07 Jan 20 j 11:58	28°♋39'14	4°34'34	
greatest brilliancy	07 Jan 20 j 14:12	28°♋37'01	-1.3m	
min. Earth dist.	07 Jan 21 j 09:54	28°♋17'26	0.67584 AU	
direct	07 Mar 02 j 12:28	18°♋45'20		
	07 Apr 19 j 23:41	0°♌		
	07 Jun 18 j 07:42	0°♍		
	07 Aug 05 j 06:14	0°♎		
desc. node	07 Aug 10 j 19:41	3°♎43'00		
	07 Sep 17 j 11:48	0°♏		
	07 Oct 27 j 20:08	0°♐		
	07 Dec 05 j 11:41	0°♑		
evening set	07 Dec 20 j 02:40	11°♑31'31		
	08 Jan 12 j 11:56	0°♒		
	08 Feb 19 j 20:15	0°♓		
conjunction	08 Feb 25 j 10:03	4°♓18'02	-0°56'39	
minimum elong	08 Feb 25 j 12:47	4°♓23'16	0°56'37	
	08 Mar 30 j 09:01	0°♈		
max. Earth dist.	08 Apr 16 j 09:39	12°♈31'31	2.43306 AU	
morning rise	08 May 01 j 06:59	23°♈16'10		
	08 May 10 j 18:22	0°♉		
asc. node	08 Jun 09 j 11:27	20°♉35'14		
	08 Jun 23 j 10:46	0°♊		
	08 Aug 08 j 19:09	0°♋		
	08 Sep 27 j 19:18	0°♌		
	08 Nov 26 j 09:02	0°♍		
retrograde	09 Jan 16 j 01:52	12°♍08'19		
opposition	09 Feb 23 j 16:11	3°♍19'25	4°10'47	
greatest brilliancy	09 Feb 24 j 08:43	3°♍03'25	-1.5m	
min. Earth dist.	09 Feb 28 j 11:05	1°♍28'17	0.63589 AU	
	09 Mar 04 j 08:35	30°℞♌		
direct	09 Apr 06 j 00:06	23°♌19'55		
	09 May 11 j 03:00	0°♍		
desc. node	09 Jun 27 j 19:07	22°♍23'38		
	09 Jul 10 j 19:37	0°♎		
	09 Aug 25 j 16:46	0°♏		
	09 Oct 05 j 22:13	0°♐		
	09 Nov 13 j 22:31	0°♑		
	09 Dec 22 j 04:53	0°♒		
	10 Jan 29 j 20:17	0°♓		
evening set	10 Feb 26 j 18:27	21°♓07'32		
	10 Mar 10 j 17:48	0°♈		
	10 Apr 21 j 11:41	0°♉		
conjunction	10 Apr 27 j 15:40	4°♉18'32	0°00'09	
minimum elong	10 Apr 27 j 15:40	4°♉18'32	0°00'10	
behind sun begin	10 Apr 26 j 16:16	3°♉37'47		
behind sun end	10 Apr 28 j 15:04	4°♉59'15		
asc. node	10 Apr 27 j 09:41	4°♉08'09		
max. Earth dist.	10 May 29 j 12:50	26°♉07'27	2.56099 AU	
	10 Jun 04 j 07:30	0°♊		
morning rise	10 Jun 20 j 18:27	10°♊54'56		
	10 Jul 20 j 03:32	0°♋		
	10 Sep 05 j 20:20	0°♌		
	10 Oct 25 j 21:09	0°♍		
	10 Dec 20 j 12:45	0°♎		
retrograde	11 Mar 01 j 14:47	21°♎15'36		
opposition	11 Apr 06 j 11:51	13°♎43'53	1°52'21	
greatest brilliancy	11 Apr 07 j 02:39	13°♎30'34	-2.0m	
min. Earth dist.	11 Apr 14 j 13:04	10°♎50'13	0.53404 AU	
direct	11 May 15 j 23:20	4°♎33'40		
desc. node	11 May 15 j 17:48	4°♎33'41		
	11 Jul 27 j 00:39	0°♏		
	11 Sep 11 j 00:29	0°♐		
	11 Oct 21 j 21:18	0°♑		
	11 Nov 30 j 06:42	0°♒		
	12 Jan 08 j 20:30	0°♓		
	12 Feb 18 j 14:50	0°♈		
asc. node	12 Mar 14 j 08:29	17°♈36'45		
	12 Apr 01 j 03:29	0°♉		
evening set	12 Apr 21 j 11:31	13°♉53'24		
	12 May 15 j 13:15	0°♊		
conjunction	12 Jun 11 j 20:32	17°♊54'41	0°47'35	
minimum elong	12 Jun 11 j 19:07	17°♊52'22	0°47'34	
max. Earth dist.	12 Jun 25 j 06:13	26°♊35'25	2.64454 AU	
	12 Jun 30 j 13:14	0°♋		
morning rise	12 Jul 29 j 07:36	18°♋23'55		
	12 Aug 16 j 14:23	0°♌		
	12 Oct 03 j 06:09	0°♍		
	12 Nov 20 j 13:44	0°♎		
	13 Jan 09 j 14:54	0°♏		
	13 Mar 07 j 06:12	0°♐		
desc. node	13 Apr 01 j 16:45	10°♐00'07		
retrograde	13 May 03 j 09:03	15°♐30'18		
opposition	13 Jun 03 j 19:19	10°♐00'59	-3°48'31	
greatest brilliancy	13 Jun 04 j 14:40	9°♐46'49	-2.7m	
min. Earth dist.	13 Jun 10 j 03:06	8°♐10'33	0.40637 AU	
direct	13 Jul 07 j 03:09	3°♐40'06		
	13 Sep 16 j 12:07	0°♑		
	13 Nov 01 j 10:50	0°♒		
	13 Dec 14 j 11:28	0°♓		
	14 Jan 26 j 14:32	0°♈		
asc. node	14 Jan 30 j 07:59	2°♈33'43		
	14 Mar 11 j 20:43	0°♉		
	14 Apr 26 j 11:35	0°♊		
evening set	14 Jun 03 j 11:41	24°♊27'17		
	14 Jun 12 j 04:06	0°♋		
max. Earth dist.	14 Jul 18 j 22:37	23°♋25'07	2.67448 AU	
conjunction	14 Jul 20 j 12:20	24°♋25'10	1°08'36	
minimum elong	14 Jul 20 j 11:54	24°♋24'29	1°08'36	
	14 Jul 29 j 06:37	0°♌		
morning rise	14 Sep 03 j 07:03	23°♌02'01		
	14 Sep 14 j 02:48	0°♍		
	14 Oct 30 j 05:58	0°♎		
	14 Dec 14 j 13:47	0°♏		

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	15 Jan 28 j 07:23	0°♐		
desc. node	15 Feb 17 j 16:33	13°♐43'03		
	15 Mar 14 j 00:01	0°♑		
	15 Apr 29 j 11:24	0°♒		
	15 Jun 30 j 00:41	0°♓		
retrograde	15 Jul 21 j 22:41	3°♓10'06		
	15 Aug 12 j 20:26	30°℞♒		
min. Earth dist.	15 Aug 17 j 13:07	28°♒42'28	0.39316 AU	
greatest brilliancy	15 Aug 22 j 07:26	27°♒19'21	-2.8m	
opposition	15 Aug 23 j 08:40	27°♒00'53	-6°05'17	
direct	15 Sep 22 j 10:31	21°♒42'20		
	15 Oct 30 j 17:08	0°♓		
asc. node	15 Dec 18 j 06:57	24°♓00'15		
	15 Dec 28 j 18:16	0°♈		
	16 Feb 16 j 14:20	0°♉		
	16 Apr 05 j 02:05	0°♊		
	16 May 23 j 07:28	0°♋		
evening set	16 Jul 10 j 13:44	0°♌19'24		
	16 Jul 10 j 01:29	0°♌		
max. Earth dist.	16 Aug 10 j 16:03	20°♌11'52	2.65009 AU	
conjunction	16 Aug 25 j 08:43	29°♌43'18	1°02'45	
minimum elong	16 Aug 25 j 09:38	29°♌44'48	1°02'45	
	16 Aug 25 j 18:58	0°♍		
morning rise	16 Oct 09 j 14:50	29°♍42'36		
	16 Oct 10 j 01:09	0°♎		
	16 Nov 22 j 16:03	0°♏		
	17 Jan 03 j 18:41	0°♐		
desc. node	17 Jan 04 j 15:11	0°♐37'06		
	17 Feb 13 j 16:42	0°♑		
	17 Mar 26 j 00:09	0°♒		
	17 May 05 j 18:25	0°♓		
	17 Jun 18 j 05:19	0°♈		
	17 Aug 13 j 00:06	0°♉		
retrograde	17 Sep 14 j 15:33	6°♉45'06		
min. Earth dist.	17 Oct 14 j 22:30	0°♉27'26	0.51360 AU	
	17 Oct 16 j 04:15	30°℞♈		
opposition	17 Oct 22 j 15:00	27°♈34'46	-0°37'40	
greatest brilliancy	17 Oct 22 j 10:57	27°♈38'33	-2.1m	
asc. node	17 Nov 04 j 05:44	23°♈17'06		
direct	17 Nov 26 j 04:37	20°♈02'41		
	18 Jan 09 j 07:25	0°♉		
	18 Mar 11 j 16:32	0°♊		
	18 May 02 j 21:09	0°♋		
	18 Jun 21 j 06:09	0°♌		
	18 Aug 07 j 11:23	0°♍		
evening set	18 Aug 17 j 13:30	6°♍35'42		
max. Earth dist.	18 Sep 06 j 05:37	19°♍39'58	2.57364 AU	
	18 Sep 21 j 11:46	0°♎		
conjunction	18 Oct 04 j 03:25	8°♎42'32	0°29'34	
minimum elong	18 Oct 04 j 04:32	8°♎44'27	0°29'33	
	18 Nov 03 j 08:06	0°♏		
desc. node	18 Nov 22 j 13:39	13°♏55'46		
morning rise	18 Nov 23 j 00:33	14°♏15'42		
	18 Dec 14 j 07:22	0°♐		
	19 Jan 22 j 21:23	0°♑		
	19 Mar 02 j 18:21	0°♒		
	19 Apr 10 j 18:41	0°♓		
	19 May 21 j 00:13	0°♈		
	19 Jul 03 j 01:44	0°♉		
	19 Aug 22 j 00:36	0°♊		
asc. node	19 Sep 22 j 05:19	13°♊52'09		
retrograde	19 Oct 25 j 02:49	20°♊10'52		
min. Earth dist.	19 Nov 29 j 13:42	12°♊00'15	0.62244 AU	
opposition	19 Dec 04 j 00:21	10°♊13'56	2°49'18	
greatest brilliancy	19 Dec 03 j 12:29	10°♊25'46	-1.6m	
direct	20 Jan 11 j 05:48	1°♊16'20		
	20 Apr 06 j 16:55	0°♋		
	20 May 30 j 17:10	0°♌		
	20 Jul 18 j 10:59	0°♍		
	20 Sep 01 j 19:37	0°♎		
evening set	20 Sep 28 j 13:45	18°♎38'18		
desc. node	20 Oct 09 j 13:23	26°♎29'34		
max. Earth dist.	20 Oct 13 j 09:04	29°♎15'05	2.45483 AU	
	20 Oct 14 j 09:53	0°♏		
conjunction	20 Nov 21 j 12:32	28°♏15'23	-0°27'08	
minimum elong	20 Nov 21 j 10:57	28°♏12'23	0°27'07	
	20 Nov 23 j 19:46	0°♐		
	21 Jan 01 j 18:00	0°♑		
morning rise	21 Jan 22 j 04:32	16°♑00'17		
	21 Feb 09 j 00:07	0°♒		
	21 Mar 19 j 11:06	0°♓		
	21 Apr 28 j 00:20	0°♈		
	21 Jun 08 j 14:08	0°♉		
	21 Jul 23 j 08:43	0°♊		
asc. node	21 Aug 09 j 03:31	10°♊28'50		
	21 Sep 12 j 04:41	0°♋		
retrograde	21 Nov 28 j 04:25	25°♋27'59		
opposition	22 Jan 07 j 07:54	15°♋42'15	4°21'31	
greatest brilliancy	22 Jan 07 j 04:24	15°♋45'45	-1.3m	
min. Earth dist.	22 Jan 06 j 17:23	15°♋56'46	0.67361 AU	
direct	22 Feb 16 j 19:45	5°♋58'47		
	22 May 04 j 18:10	0°♌		
	22 Jun 27 j 10:05	0°♍		
	22 Aug 13 j 04:37	0°♎		
desc. node	22 Aug 27 j 12:43	9°♎46'45		
	22 Sep 25 j 02:18	0°♏		
	22 Nov 04 j 09:11	0°♐		
evening set	22 Nov 23 j 09:20	14°♐38'19		
	22 Dec 13 j 01:04	0°♑		
	23 Jan 20 j 01:21	0°♒		
conjunction	23 Jan 27 j 17:00	6°♒02'00	-1°05'17	
minimum elong	23 Jan 27 j 17:14	6°♒02'28	1°05'16	
	23 Feb 27 j 08:41	0°♓		
max. Earth dist.	23 Mar 09 j 13:27	7°♓51'51	2.38345 AU	
morning rise	23 Apr 07 j 06:22	29°♓35'27		
	23 Apr 07 j 19:33	0°♈		
	23 May 19 j 03:10	0°♉		
asc. node	23 Jun 27 j 01:51	26°♉47'38		
	23 Jul 01 j 21:14	0°♊		
	23 Aug 17 j 17:48	0°♋		
	23 Oct 08 j 19:12	0°♌		
retrograde	24 Jan 02 j 08:25	28°♌52'36		
opposition	24 Feb 10 j 14:43	19°♌43'12	4°30'24	
greatest brilliancy	24 Feb 11 j 02:15	19°♌31'54	-1.4m	
min. Earth dist.	24 Feb 13 j 21:38	18°♌25'49	0.65939 AU	
direct	24 Mar 23 j 00:36	9°♌41'40		
	24 May 29 j 15:21	0°♍		
desc. node	24 Jul 14 j 10:54	25°♍55'25		
	24 Jul 20 j 22:23	0°♎		
	24 Sep 03 j 08:35	0°♏		
	24 Oct 14 j 02:40	0°♐		
	24 Nov 21 j 21:58	0°♑		
	24 Dec 30 j 00:34	0°♒		
evening set	25 Jan 31 j 16:44	25°♒31'39		
	25 Feb 06 j 11:49	0°♓		
	25 Mar 18 j 04:25	0°♈		
conjunction	25 Apr 05 j 17:09	13°♈34'02	-0°23'32	
minimum elong	25 Apr 05 j 18:45	13°♈36'56	0°23'31	
	25 Apr 28 j 17:16	0°♉		

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

asc. node	25 May 14 j 02:11	10°♉43'47			opposition	30 Jul 22 j 20:21	26°♋47'16	-6°51'06
max. Earth dist.	25 May 15 j 23:46	12°♉02'32	2.51451 AU		min. Earth dist.	30 Jul 21 j 16:54	27°♋05'35	0.37458 AU
morning rise	25 Jun 02 j 23:54	24°♉20'22			greatest brilliancy	30 Jul 22 j 15:08	26°♋50'45	-2.9m
	25 Jun 11 j 09:47	0°♊			direct	30 Aug 21 j 13:16	21°♋51'06	
	25 Jul 27 j 07:23	0°♋				30 Sep 27 j 17:34	0°♒	
	25 Sep 13 j 13:46	0°♌				30 Nov 23 j 15:36	0°♓	
	25 Nov 04 j 13:44	0°♍			asc. node	31 Jan 03 j 22:28	25°♓53'24	
	26 Jan 10 j 09:34	0°♎				31 Jan 10 j 08:25	0°♈	
retrograde	26 Feb 10 j 19:15	5°♎10'59				31 Feb 25 j 23:45	0°♉	
	26 Mar 11 j 18:57	30°℞♍				31 Apr 14 j 00:07	0°♊	
opposition	26 Mar 19 j 23:07	27°♍04'01	3°04'17			31 May 31 j 11:27	0°♋	
greatest brilliancy	26 Mar 20 j 18:31	26°♍45'53	-1.7m		evening set	31 Jun 27 j 00:25	16°♋45'28	
min. Earth dist.	26 Mar 26 j 22:16	24°♍27'58	0.58026 AU			31 Jul 17 j 21:39	0°♌	
direct	26 Apr 29 j 12:28	17°♍24'28			max. Earth dist.	31 Aug 02 j 08:23	9°♌50'57	2.66614 AU
desc. node	26 Jun 01 j 09:26	23°♍37'06						
	26 Jun 17 j 06:35	0°♎			conjunction	31 Aug 11 j 22:47	16°♌00'12	1°08'14
	26 Aug 09 j 06:51	0°♏			minimum elong	31 Aug 11 j 23:13	16°♌00'54	1°08'13
	26 Sep 21 j 08:20	0°♐				31 Sep 02 j 14:54	0°♍	
	26 Oct 31 j 03:56	0°♑			morning rise	31 Sep 25 j 15:02	15°♍03'06	
	26 Dec 08 j 22:34	0°♒				31 Oct 18 j 03:17	0°♎	
	27 Jan 17 j 00:40	0°♓				31 Dec 01 j 06:37	0°♏	
	27 Feb 26 j 08:28	0°♈				32 Jan 13 j 03:08	0°♐	
asc. node	27 Apr 01 j 01:13	24°♈06'17			desc. node	32 Jan 22 j 07:35	6°♐31'53	
evening set	27 Apr 02 j 23:22	25°♈27'13				32 Feb 23 j 23:55	0°♑	
	27 Apr 09 j 11:42	0°♉				32 Apr 05 j 12:13	0°♒	
	27 May 23 j 14:14	0°♊				32 May 18 j 04:51	0°♓	
						32 Jul 06 j 07:05	0°♈	
conjunction	27 May 27 j 03:33	2°♊21'52	0°32'08		retrograde	32 Aug 26 j 14:07	15°♈23'45	
minimum elong	27 May 27 j 02:14	2°♊19'41	0°32'07		min. Earth dist.	32 Sep 23 j 19:33	9°♈57'09	0.46217 AU
max. Earth dist.	27 Jun 16 j 07:24	15°♊38'30	2.61792 AU		opposition	32 Oct 01 j 22:43	7°♈06'07	-2°40'02
	27 Jul 08 j 10:43	0°♋			greatest brilliancy	32 Oct 01 j 05:13	7°♈21'30	-2.4m
morning rise	27 Jul 15 j 15:50	4°♋38'06			direct	32 Nov 03 j 16:05	0°♈23'07	
	27 Aug 24 j 15:04	0°♌			asc. node	32 Nov 20 j 21:46	2°♈12'00	
	27 Oct 11 j 22:06	0°♍				33 Jan 27 j 13:43	0°♉	
	27 Nov 30 j 22:15	0°♎				33 Mar 21 j 17:24	0°♊	
	28 Jan 25 j 00:14	0°♏				33 May 10 j 20:07	0°♋	
retrograde	28 Apr 05 j 08:48	21°♏43'36				33 Jun 28 j 10:00	0°♌	
desc. node	28 Apr 18 j 08:55	20°♏39'22			evening set	33 Aug 02 j 11:54	22°♌17'48	
opposition	28 May 08 j 14:00	15°♏23'13	-1°09'09			33 Aug 14 j 09:12	0°♍	
greatest brilliancy	28 May 08 j 22:29	15°♏16'19	-2.4m		max. Earth dist.	33 Aug 26 j 04:44	7°♍44'17	2.60970 AU
min. Earth dist.	28 May 16 j 19:30	12°♏43'00	0.45314 AU					
direct	28 Jun 13 j 22:44	7°♏39'56			conjunction	33 Sep 17 j 22:26	22°♍52'44	0°45'43
	28 Aug 17 j 14:36	0°♐			minimum elong	33 Sep 17 j 23:43	22°♍54'53	0°45'43
	28 Oct 02 j 19:01	0°♑				33 Sep 28 j 10:54	0°♎	
	28 Nov 13 j 10:20	0°♒			morning rise	33 Nov 04 j 08:01	25°♎35'12	
	28 Dec 24 j 10:44	0°♓				33 Nov 10 j 13:20	0°♏	
	29 Feb 04 j 07:29	0°♈			desc. node	33 Dec 09 j 06:55	20°♏43'54	
asc. node	29 Feb 15 j 23:13	8°♈10'31				33 Dec 21 j 21:24	0°♐	
	29 Mar 19 j 16:40	0°♉				34 Jan 30 j 21:18	0°♑	
	29 May 03 j 17:26	0°♊				34 Mar 11 j 03:52	0°♒	
evening set	29 May 18 j 15:50	9°♊44'36				34 Apr 19 j 14:12	0°♓	
	29 Jun 19 j 01:35	0°♋				34 May 30 j 10:54	0°♈	
						34 Jul 14 j 03:45	0°♉	
conjunction	29 Jul 05 j 23:12	10°♋48'43	1°03'40			34 Sep 12 j 02:51	0°♊	
minimum elong	29 Jul 05 j 22:16	10°♋47'13	1°03'39		asc. node	34 Oct 08 j 19:53	4°♊56'01	
max. Earth dist.	29 Jul 09 j 20:27	13°♋17'28	2.66922 AU		retrograde	34 Oct 10 j 10:43	4°♊57'06	
	29 Aug 05 j 01:53	0°♌				34 Nov 06 j 02:33	30°℞♉	
morning rise	29 Aug 20 j 09:53	9°♌45'43			min. Earth dist.	34 Nov 12 j 23:54	27°♉26'18	0.58581 AU
	29 Sep 21 j 03:12	0°♍			opposition	34 Nov 18 j 20:40	25°♉07'47	1°45'56
	29 Nov 06 j 21:13	0°♎			greatest brilliancy	34 Nov 18 j 10:43	25°♉17'36	-1.7m
	29 Dec 23 j 10:18	0°♏			direct	34 Dec 25 j 20:16	16°♉37'31	
	30 Feb 08 j 09:01	0°♐				35 Feb 17 j 05:25	0°♊	
desc. node	30 Mar 06 j 07:56	16°♐08'53				35 Apr 18 j 04:24	0°♋	
	30 Mar 29 j 13:57	0°♑				35 Jun 08 j 17:30	0°♌	
	30 Jun 05 j 03:38	0°♒				35 Jul 26 j 17:19	0°♍	
retrograde	30 Jun 22 j 08:33	1°♒53'32				35 Sep 09 j 21:29	0°♎	
	30 Jul 09 j 19:41	30°℞♑			evening set	35 Sep 11 j 19:34	1°♎18'54	

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max. Earth dist.	35 Sep 27 j 00:36	11°♎50'56	2.50530 AU
	35 Oct 22 j 13:30	0°♏	
desc. node	35 Oct 27 j 05:28	3°♏22'43	
conjunction	35 Nov 01 j 12:28	7°♏13'57	-0°03'24
minimum elong	35 Nov 01 j 12:17	7°♏13'37	0°03'25
behind sun begin	35 Oct 31 j 14:14	6°♏33'24	
behind sun end	35 Nov 02 j 10:19	7°♏53'52	
	35 Dec 02 j 03:56	0°♐	
morning rise	35 Dec 27 j 12:58	19°♐21'11	
	36 Jan 10 j 07:32	0°♑	
	36 Feb 17 j 18:15	0°♒	
	36 Mar 27 j 08:40	0°♓	
	36 May 06 j 01:18	0°♈	
	36 Jun 16 j 22:12	0°♉	
	36 Aug 01 j 16:37	0°♊	
asc. node	36 Aug 25 j 19:18	14°♊09'18	
	36 Sep 26 j 10:17	0°♋	
retrograde	36 Nov 14 j 19:51	12°♋26'36	
min. Earth dist.	36 Dec 22 j 21:40	3°♋23'32	0.66116 AU
opposition	36 Dec 25 j 00:25	2°♋32'40	3°56'38
greatest brilliancy	36 Dec 24 j 16:08	2°♋40'58	-1.4m
	36 Dec 31 j 11:19	30°℞♊	
direct	37 Feb 02 j 18:32	23°♊03'31	
	37 Mar 11 j 19:07	0°♋	
	37 May 15 j 17:05	0°♌	
	37 Jul 05 j 16:40	0°♍	
	37 Aug 20 j 17:54	0°♎	
desc. node	37 Sep 13 j 04:18	16°♎12'28	
	37 Oct 02 j 11:16	0°♏	
evening set	37 Oct 30 j 13:11	20°♏44'51	
	37 Nov 11 j 18:32	0°♐	
max. Earth dist.	37 Dec 02 j 05:34	15°♐44'15	2.38243 AU
	37 Dec 20 j 12:19	0°♑	
conjunction	37 Dec 30 j 09:02	7°♑45'02	-0°58'39
minimum elong	37 Dec 30 j 06:44	7°♑40'31	0°58'38
	38 Jan 27 j 14:13	0°♒	
	38 Mar 06 j 22:05	0°♓	
morning rise	38 Mar 09 j 15:37	2°♓06'41	
	38 Apr 15 j 08:39	0°♈	
	38 May 26 j 16:25	0°♉	
	38 Jul 09 j 15:13	0°♊	
asc. node	38 Jul 13 j 19:01	2°♊43'45	
	38 Aug 26 j 08:26	0°♋	
	38 Oct 21 j 09:32	0°♌	
retrograde	38 Dec 19 j 09:09	16°♌00'30	
opposition	39 Jan 28 j 02:54	6°♌34'17	4°36'33
greatest brilliancy	39 Jan 28 j 08:31	6°♌28'43	-1.3m
min. Earth dist.	39 Jan 29 j 21:17	5°♌52'18	0.67279 AU
	39 Feb 15 j 07:21	30°℞♋	
direct	39 Mar 10 j 08:18	26°♋36'17	
	39 Apr 04 j 04:12	0°♌	
	39 Jun 11 j 17:24	0°♍	
	39 Jul 30 j 20:23	0°♎	
desc. node	39 Aug 01 j 03:27	0°♎50'57	
	39 Sep 12 j 11:08	0°♏	
	39 Oct 22 j 22:44	0°♐	
	39 Nov 30 j 15:26	0°♑	
evening set	40 Jan 04 j 20:42	27°♑47'18	
	40 Jan 07 j 15:58	0°♒	
	40 Feb 15 j 00:32	0°♓	
conjunction	40 Mar 11 j 18:51	19°♓40'45	-0°46'18
minimum elong	40 Mar 11 j 21:45	19°♓46'13	0°46'15
	40 Mar 25 j 13:47	0°♈	
max. Earth dist.	40 Apr 28 j 23:26	25°♈02'22	2.46291 AU
	40 May 05 j 23:12	0°♉	
morning rise	40 May 13 j 22:46	5°♉36'35	
asc. node	40 May 30 j 17:43	17°♉13'53	
	40 Jun 18 j 14:22	0°♊	
	40 Aug 03 j 16:43	0°♋	
	40 Sep 21 j 20:47	0°♌	
	40 Nov 16 j 09:44	0°♍	
retrograde	41 Jan 25 j 00:24	20°♍32'52	
opposition	41 Mar 04 j 04:11	11°♍57'31	3°51'41
greatest brilliancy	41 Mar 04 j 22:37	11°♍39'50	-1.5m
min. Earth dist.	41 Mar 09 j 18:37	9°♍48'49	0.61861 AU
direct	41 Apr 14 j 08:10	2°♍02'23	
desc. node	41 Jun 18 j 01:39	21°♍47'19	
	41 Jul 03 j 06:15	0°♎	
	41 Aug 19 j 18:12	0°♏	
	41 Sep 30 j 12:05	0°♐	
	41 Nov 08 j 18:14	0°♑	
	41 Dec 17 j 04:01	0°♒	
	42 Jan 24 j 22:04	0°♓	
	42 Mar 05 j 22:01	0°♈	
evening set	42 Mar 12 j 05:22	4°♈37'01	
	42 Apr 16 j 17:48	0°♉	
asc. node	42 Apr 17 j 16:57	0°♉40'31	
conjunction	42 May 08 j 21:44	15°♉19'44	0°12'48
minimum elong	42 May 08 j 21:04	15°♉18'35	0°12'49
behind sun begin	42 May 08 j 07:33	14°♉55'30	
behind sun end	42 May 09 j 10:34	15°♉41'39	
	42 May 30 j 14:48	0°♊	
max. Earth dist.	42 Jun 05 j 09:16	3°♊50'50	2.58334 AU
morning rise	42 Jun 30 j 03:40	20°♊08'04	
	42 Jul 15 j 09:39	0°♋	
	42 Aug 31 j 20:21	0°♌	
	42 Oct 20 j 02:05	0°♍	
	42 Dec 11 j 22:02	0°♎	
	43 Feb 23 j 16:59	0°♏	
retrograde	43 Mar 13 j 14:39	1°♏48'43	
	43 Mar 30 j 13:34	30°℞♎	
opposition	43 Apr 17 j 14:07	24°♎40'26	0°56'37
greatest brilliancy	43 Apr 17 j 22:24	24°♎33'11	-2.1m
min. Earth dist.	43 Apr 25 j 23:31	21°♎44'27	0.50550 AU
desc. node	43 May 06 j 00:34	18°♎39'31	
direct	43 May 26 j 04:11	15°♎54'49	
	43 Jul 15 j 09:52	0°♏	
	43 Sep 03 j 13:08	0°♐	
	43 Oct 15 j 13:03	0°♑	
	43 Nov 24 j 11:59	0°♒	
	44 Jan 03 j 10:56	0°♓	
	44 Feb 13 j 12:32	0°♈	
asc. node	44 Mar 04 j 15:49	14°♈17'26	
	44 Mar 27 j 06:40	0°♉	
evening set	44 May 01 j 17:42	23°♉57'27	
	44 May 10 j 20:27	0°♊	
conjunction	44 Jun 20 j 20:17	26°♊43'43	0°54'39
minimum elong	44 Jun 20 j 18:58	26°♊41'37	0°54'38
	44 Jun 25 j 22:14	0°♋	
max. Earth dist.	44 Jun 30 j 18:42	3°♋07'03	2.65564 AU
morning rise	44 Aug 06 j 10:28	26°♋30'42	
	44 Aug 11 j 22:16	0°♌	
	44 Sep 28 j 07:49	0°♍	
	44 Nov 14 j 23:16	0°♎	
	45 Jan 02 j 09:46	0°♏	
	45 Feb 22 j 16:37	0°♐	
desc. node	45 Mar 23 j 01:10	14°♐37'54	
	45 May 05 j 22:58	0°♑	
retrograde	45 May 21 j 03:26	1°♑22'35	

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	45 Jun	05 j 00:23	30°℞♐			50 Sep	16 j 21:23	0°♎		
opposition	45 Jun	20 j 14:35	26°♐15'53	-5°18'34						
greatest brilliancy	45 Jun	21 j 07:54	26°♐04'00	-2.8m	conjunction	50 Oct	13 j 22:23	18°♎46'44	0°18'29	
min. Earth dist.	45 Jun	24 j 20:30	25°♐06'00	0.38709 AU	minimum elong	50 Oct	13 j 23:11	18°♎48'08	0°18'29	
direct	45 Jul	22 j 06:15	20°♐39'06			50 Oct	29 j 16:35	0°♏		
	45 Aug	30 j 13:57	0°♑		desc. node	50 Nov	12 j 21:36	10°♏17'38		
	45 Oct	23 j 06:53	0°♒		morning rise	50 Dec	04 j 15:05	26°♏20'06		
	45 Dec	07 j 10:40	0°♓			50 Dec	09 j 12:42	0°♐		
asc. node	46 Jan	20 j 13:39	29°♓56'40			51 Jan	17 j 22:49	0°♑		
	46 Jan	20 j 15:37	0°♈			51 Feb	25 j 15:35	0°♒		
	46 Mar	06 j 13:09	0°♉			51 Apr	05 j 11:20	0°♓		
	46 Apr	21 j 13:45	0°♊			51 May	15 j 10:28	0°♈		
	46 Jun	07 j 11:46	0°♋			51 Jun	26 j 21:20	0°♉		
evening set	46 Jun	12 j 05:11	3°♋00'13			51 Aug	13 j 14:36	0°♊		
max. Earth dist.	46 Jul	24 j 04:43	29°♋41'14	2.67390 AU	asc. node	51 Sep	12 j 11:41	15°♊27'08		
	46 Jul	24 j 16:30	0°♌		retrograde	51 Nov	02 j 04:44	28°♊48'49		
					min. Earth dist.	51 Dec	08 j 15:24	20°♊17'58	0.63889 AU	
conjunction	46 Jul	28 j 17:10	2°♌34'01	1°09'38	opposition	51 Dec	12 j 05:55	18°♊51'22	3°18'27	
minimum elong	46 Jul	28 j 17:04	2°♌33'51	1°09'37	greatest brilliancy	51 Dec	11 j 18:35	19°♊02'43	-1.5m	
	46 Sep	09 j 11:20	0°♍		direct	52 Jan	20 j 01:29	9°♊41'07		
morning rise	46 Sep	11 j 07:36	1°♍11'35			52 Mar	29 j 13:48	0°♋		
	46 Oct	25 j 08:40	0°♎			52 May	25 j 00:50	0°♌		
	46 Dec	09 j 05:13	0°♏			52 Jul	13 j 11:14	0°♍		
	47 Jan	22 j 03:45	0°♐			52 Aug	28 j 01:41	0°♎		
desc. node	47 Feb	08 j 00:08	11°♐37'30		desc. node	52 Sep	29 j 20:33	22°♎53'28		
	47 Mar	06 j 13:19	0°♑		evening set	52 Oct	09 j 11:42	29°♎49'16		
	47 Apr	19 j 09:57	0°♒			52 Oct	09 j 17:38	0°♏		
	47 Jun	06 j 12:32	0°♓		max. Earth dist.	52 Oct	26 j 09:54	12°♏12'51	2.42701 AU	
retrograde	47 Aug	05 j 08:02	19°♓52'09			52 Nov	19 j 02:57	0°♐		
min. Earth dist.	47 Sep	01 j 01:28	15°♓10'23	0.41376 AU						
greatest brilliancy	47 Sep	07 j 03:52	13°♓15'26	-2.7m	conjunction	52 Dec	04 j 15:31	11°♐52'29	-0°40'14	
opposition	47 Sep	08 j 06:37	12°♓54'16	-4°57'25	minimum elong	52 Dec	04 j 13:14	11°♐48'05	0°40'12	
direct	47 Oct	09 j 05:05	7°♓07'23			52 Dec	27 j 23:49	0°♑		
asc. node	47 Dec	08 j 13:05	24°♓56'46			53 Feb	04 j 04:13	0°♒		
	47 Dec	18 j 15:08	0°♈		morning rise	53 Feb	07 j 12:43	2°♒38'19		
	48 Feb	09 j 21:46	0°♉			53 Mar	14 j 13:22	0°♓		
	48 Mar	30 j 14:31	0°♊			53 Apr	23 j 00:34	0°♈		
	48 May	18 j 09:14	0°♋			53 Jun	03 j 10:25	0°♉		
	48 Jul	05 j 09:38	0°♌			53 Jul	17 j 18:29	0°♊		
evening set	48 Jul	18 j 21:38	8°♌33'28		asc. node	53 Jul	30 j 10:09	8°♊05'33		
max. Earth dist.	48 Aug	16 j 05:54	26°♌46'11	2.63789 AU		53 Sep	05 j 00:13	0°♋		
	48 Aug	21 j 05:09	0°♍			53 Nov	11 j 21:31	0°♌		
					retrograde	53 Dec	05 j 20:58	3°♌16'29		
conjunction	48 Sep	02 j 18:44	8°♍13'43	0°57'41		53 Dec	28 j 05:20	30°℞♋		
minimum elong	48 Sep	02 j 19:51	8°♍15'33	0°57'41	opposition	54 Jan	14 j 22:02	23°♋36'51	4°30'33	
	48 Oct	05 j 09:41	0°♎		greatest brilliancy	54 Jan	14 j 21:42	23°♋37'11	-1.3m	
morning rise	48 Oct	18 j 14:18	8°♎59'04		min. Earth dist.	54 Jan	15 j 04:09	23°♋30'45	0.67606 AU	
	48 Nov	17 j 20:06	0°♏		direct	54 Feb	24 j 17:18	13°♋46'59		
desc. node	48 Dec	25 j 22:25	27°♏17'32			54 Apr	26 j 00:40	0°♌		
	48 Dec	29 j 15:36	0°♐			54 Jun	21 j 13:50	0°♍		
	49 Feb	08 j 04:55	0°♑			54 Aug	08 j 01:08	0°♎		
	49 Mar	20 j 01:50	0°♒		desc. node	54 Aug	17 j 19:06	6°♎34'00		
	49 Apr	29 j 05:13	0°♓			54 Sep	20 j 04:39	0°♏		
	49 Jun	10 j 07:58	0°♈			54 Oct	30 j 13:18	0°♐		
	49 Jul	29 j 02:57	0°♉		evening set	54 Dec	08 j 04:44	29°♐58'11		
retrograde	49 Sep	24 j 11:54	17°♉53'25			54 Dec	08 j 05:40	0°♑		
asc. node	49 Oct	25 j 13:01	11°♉17'44			55 Jan	15 j 05:58	0°♒		
min. Earth dist.	49 Oct	25 j 22:56	11°♉08'26	0.54086 AU						
opposition	49 Nov	02 j 02:03	8°♉24'35	0°21'31	conjunction	55 Feb	13 j 00:49	22°♒36'13	-1°02'07	
greatest brilliancy	49 Nov	01 j 23:32	8°♉27'00	-2.0m	minimum elong	55 Feb	13 j 02:45	22°♒39'58	1°02'07	
direct	49 Dec	07 j 14:12	0°♉29'24			55 Feb	22 j 13:17	0°♓		
	50 Mar	04 j 05:08	0°♊			55 Apr	03 j 00:16	0°♈		
	50 Apr	27 j 06:58	0°♋		max. Earth dist.	55 Apr	04 j 12:12	1°♈06'52	2.40937 AU	
	50 Jun	16 j 07:45	0°♌		morning rise	55 Apr	21 j 20:28	13°♈52'49		
	50 Aug	02 j 19:23	0°♍			55 May	14 j 07:21	0°♉		
evening set	50 Aug	26 j 11:13	15°♍32'45		asc. node	55 Jun	17 j 10:01	23°♉36'05		
max. Earth dist.	50 Sep	13 j 04:45	27°♍28'57	2.55104 AU		55 Jun	26 j 22:38	0°♊		

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

	55 Aug 12 j 09:40	0°♋	
	55 Oct 02 j 01:03	0°♌	
	55 Dec 05 j 02:08	0°♍	
retrograde	56 Jan 10 j 15:47	6°♍52'00	
	56 Feb 13 j 01:58	30°℞♌	
opposition	56 Feb 18 j 14:04	27°♌53'30	4°20'31
greatest brilliancy	56 Feb 19 j 04:34	27°♌39'23	-1.4m
min. Earth dist.	56 Feb 22 j 17:27	26°♌16'43	0.64762 AU
direct	56 Mar 30 j 23:55	17°♌52'05	
	56 May 19 j 11:46	0°♍	
desc. node	56 Jul 04 j 18:32	24°♍01'05	
	56 Jul 14 j 15:37	0°♎	
	56 Aug 28 j 21:49	0°♏	
	56 Oct 08 j 22:48	0°♐	
	56 Nov 16 j 21:13	0°♑	
	56 Dec 25 j 01:38	0°♒	
	57 Feb 01 j 14:24	0°♓	
evening set	57 Feb 15 j 18:44	10°♓50'01	
	57 Mar 13 j 08:44	0°♈	
conjunction	57 Apr 18 j 12:40	26°♈09'53	-0°09'47
minimum elong	57 Apr 18 j 13:17	26°♈10'59	0°09'47
behind sun begin	57 Apr 17 j 17:42	25°♈36'18	
behind sun end	57 Apr 19 j 08:52	26°♈45'38	
	57 Apr 23 j 23:02	0°♉	
asc. node	57 May 04 j 08:30	7°♉16'11	
max. Earth dist.	57 May 23 j 23:54	20°♉46'21	2.54118 AU
	57 Jun 06 j 16:02	0°♊	
morning rise	57 Jun 13 j 08:49	4°♊28'22	
	57 Jul 22 j 11:14	0°♋	
	57 Sep 08 j 08:10	0°♌	
	57 Oct 29 j 00:52	0°♍	
	57 Dec 26 j 14:31	0°♎	
retrograde	58 Feb 21 j 05:05	14°♎34'34	
opposition	58 Mar 29 j 16:25	6°♎46'09	2°25'58
greatest brilliancy	58 Mar 30 j 09:58	6°♎30'03	-1.8m
min. Earth dist.	58 Apr 06 j 07:01	3°♎58'43	0.55565 AU
	58 Apr 18 j 19:00	30°℞♍	
direct	58 May 08 j 17:13	27°♍20'28	
desc. node	58 May 22 j 17:32	28°♍36'17	
	58 May 29 j 08:39	0°♎	
	58 Aug 01 j 14:50	0°♏	
	58 Sep 15 j 02:55	0°♐	
	58 Oct 25 j 11:34	0°♑	
	58 Dec 03 j 13:30	0°♒	
	59 Jan 11 j 20:43	0°♓	
	59 Feb 21 j 08:58	0°♈	
asc. node	59 Mar 22 j 06:42	20°♈39'14	
	59 Apr 04 j 15:53	0°♉	
evening set	59 Apr 14 j 08:24	6°♉41'04	
	59 May 18 j 21:09	0°♊	
conjunction	59 Jun 05 j 21:01	11°♊52'44	0°41'35
minimum elong	59 Jun 05 j 19:35	11°♊50'22	0°41'36
max. Earth dist.	59 Jun 22 j 05:52	22°♊32'57	2.63378 AU
	59 Jul 03 j 18:30	0°♋	
morning rise	59 Jul 24 j 03:48	13°♋03'57	
	59 Aug 19 j 20:22	0°♌	
	59 Oct 06 j 17:49	0°♍	
	59 Nov 24 j 16:26	0°♎	
	60 Jan 15 j 09:22	0°♏	
	60 Mar 21 j 02:52	0°♐	
desc. node	60 Apr 08 j 16:22	4°♐12'00	
retrograde	60 Apr 20 j 12:40	5°♐02'39	
	60 May 20 j 02:21	30°℞♏	
opposition	60 May 22 j 18:50	29°♏10'53	-2°36'58
greatest brilliancy	60 May 23 j 11:15	28°♏58'15	-2.6m
min. Earth dist.	60 May 30 j 06:10	26°♏53'39	0.42595 AU
direct	60 Jun 26 j 12:38	22°♏11'55	
	60 Jul 31 j 22:18	0°♐	
	60 Sep 23 j 21:55	0°♑	
	60 Nov 06 j 10:08	0°♒	
	60 Dec 18 j 08:50	0°♓	
	61 Jan 29 j 19:45	0°♈	
asc. node	61 Feb 06 j 06:09	5°♈09'57	
	61 Mar 14 j 14:35	0°♉	
	61 Apr 28 j 21:49	0°♊	
evening set	61 May 27 j 20:24	18°♊44'23	
	61 Jun 14 j 09:42	0°♋	
conjunction	61 Jul 14 j 09:07	19°♋07'26	1°07'01
minimum elong	61 Jul 14 j 08:29	19°♋06'24	1°07'01
max. Earth dist.	61 Jul 15 j 04:48	19°♋38'46	2.67320 AU
	61 Jul 31 j 11:01	0°♌	
morning rise	61 Aug 28 j 09:18	17°♌49'10	
	61 Sep 16 j 09:27	0°♍	
	61 Nov 01 j 19:04	0°♎	
	61 Dec 17 j 15:02	0°♏	
	62 Feb 01 j 04:42	0°♐	
desc. node	62 Feb 24 j 15:58	15°♐21'35	
	62 Mar 19 j 09:14	0°♑	
	62 May 08 j 14:20	0°♒	
retrograde	62 Jul 09 j 15:44	20°♒08'08	
min. Earth dist.	62 Aug 05 j 23:08	15°♒40'08	0.38122 AU
opposition	62 Aug 09 j 23:24	14°♒33'42	-6°41'02
greatest brilliancy	62 Aug 09 j 04:45	14°♒46'36	-2.9m
direct	62 Sep 08 j 13:48	9°♒31'51	
	62 Nov 11 j 21:40	0°♓	
asc. node	62 Dec 25 j 05:32	24°♓43'28	
	63 Jan 02 j 21:30	0°♈	
	63 Feb 20 j 01:32	0°♉	
	63 Apr 08 j 19:31	0°♊	
	63 May 26 j 16:00	0°♋	
evening set	63 Jul 05 j 09:26	25°♋00'21	
	63 Jul 13 j 06:35	0°♌	
max. Earth dist.	63 Aug 07 j 19:19	16°♌17'33	2.65833 AU
conjunction	63 Aug 20 j 04:29	24°♌16'23	1°05'32
minimum elong	63 Aug 20 j 05:12	24°♌17'34	1°05'31
	63 Aug 29 j 00:26	0°♍	
morning rise	63 Oct 04 j 02:39	23°♍45'59	
	63 Oct 13 j 10:02	0°♎	
	63 Nov 26 j 07:08	0°♏	
	64 Jan 07 j 17:52	0°♐	
desc. node	64 Jan 12 j 14:50	3°♐30'07	
	64 Feb 18 j 01:35	0°♑	
	64 Mar 29 j 20:03	0°♒	
	64 May 10 j 05:33	0°♓	
	64 Jun 24 j 04:30	0°♈	
retrograde	64 Sep 06 j 18:32	28°♈22'40	
min. Earth dist.	64 Oct 06 j 01:46	22°♈28'22	0.49065 AU
opposition	64 Oct 14 j 02:23	19°♈32'49	-1°27'00
greatest brilliancy	64 Oct 13 j 16:45	19°♈41'36	-2.2m
asc. node	64 Nov 11 j 04:12	12°♈34'30	
direct	64 Nov 16 j 21:08	12°♈21'31	
	65 Jan 17 j 12:31	0°♉	
	65 Mar 15 j 09:06	0°♊	
	65 May 05 j 14:01	0°♋	
	65 Jun 23 j 14:47	0°♌	
	65 Aug 09 j 18:07	0°♍	
evening set	65 Aug 11 j 01:27	0°♍50'58	
max. Earth dist.	65 Sep 01 j 11:59	14°♍57'38	2.59062 AU
	65 Sep 23 j 20:00	0°♎	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

conjunction	65 Sep 27 j 01:15	2°♎11'51	0°36'52
minimum elong	65 Sep 27 j 02:29	2°♎13'57	0°36'50
	65 Nov 05 j 20:05	0°♏	
morning rise	65 Nov 14 j 16:44	6°♏21'19	
desc. node	65 Nov 29 j 13:19	17°♏08'26	
	65 Dec 16 j 23:59	0°♐	
	66 Jan 25 j 18:50	0°♑	
	66 Mar 05 j 20:05	0°♒	
	66 Apr 13 j 23:56	0°♓	
	66 May 24 j 10:05	0°♈	
	66 Jul 06 j 22:52	0°♉	
	66 Aug 28 j 05:24	0°♊	
asc. node	66 Sep 29 j 03:30	11°♊46'13	
retrograde	66 Oct 18 j 23:53	14°♊15'49	
min. Earth dist.	66 Nov 22 j 14:44	6°♊22'03	0.60710 AU
opposition	66 Nov 27 j 16:27	4°♊21'11	2°25'06
greatest brilliancy	66 Nov 27 j 04:47	4°♊32'48	-1.6m
	66 Dec 09 j 09:21	30°℞♉	
direct	67 Jan 04 j 08:51	25°♉34'58	
	67 Feb 01 j 21:52	0°♊	
	67 Apr 11 j 13:35	0°♋	
	67 Jun 03 j 10:58	0°♌	
	67 Jul 21 j 21:51	0°♍	
	67 Sep 05 j 05:41	0°♎	
evening set	67 Sep 21 j 17:12	11°♎22'53	
max. Earth dist.	67 Oct 06 j 05:58	21°♎37'56	2.47762 AU
desc. node	67 Oct 17 j 13:00	29°♎43'53	
	67 Oct 17 j 21:55	0°♏	
conjunction	67 Nov 13 j 02:27	19°♏13'52	-0°16'55
minimum elong	67 Nov 13 j 01:29	19°♏12'05	0°16'55
	67 Nov 27 j 10:34	0°♐	
	68 Jan 05 j 11:36	0°♑	
morning rise	68 Jan 11 j 03:30	4°♑24'40	
	68 Feb 12 j 19:47	0°♒	
greatest brilliancy	68 Mar 06 j 21:23	18°♒02'08	1.2m
	68 Mar 22 j 07:41	0°♓	
	68 Apr 30 j 21:19	0°♈	
	68 Jun 11 j 12:19	0°♉	
	68 Jul 26 j 13:11	0°♊	
asc. node	68 Aug 16 j 02:23	12°♊34'50	
	68 Sep 16 j 17:36	0°♋	
retrograde	68 Nov 22 j 12:42	20°♋24'39	
min. Earth dist.	68 Dec 31 j 10:35	11°♋05'18	0.66933 AU
opposition	69 Jan 01 j 16:56	10°♋34'54	4°12'41
greatest brilliancy	69 Jan 01 j 11:11	10°♋40'40	-1.3m
direct	69 Feb 10 j 21:10	0°♋57'15	
	69 May 08 j 20:48	0°♌	
	69 Jun 30 j 07:58	0°♍	
	69 Aug 15 j 20:11	0°♎	
desc. node	69 Sep 03 j 12:24	12°♎48'11	
	69 Sep 27 j 17:22	0°♏	
	69 Nov 07 j 01:16	0°♐	
evening set	69 Nov 12 j 14:56	4°♐15'24	
	69 Dec 15 j 18:24	0°♑	
conjunction	70 Jan 15 j 02:54	23°♑55'59	-1°04'13
minimum elong	70 Jan 15 j 01:48	23°♑53'49	1°04'14
	70 Jan 22 j 19:19	0°♒	
max. Earth dist.	70 Jan 24 j 08:56	1°♒14'12	2.37192 AU
	70 Mar 02 j 02:09	0°♓	
morning rise	70 Mar 26 j 04:23	18°♓28'59	
	70 Apr 10 j 11:45	0°♈	
	70 May 21 j 17:57	0°♉	
asc. node	70 Jul 04 j 00:38	29°♉41'14	
	70 Jul 04 j 11:57	0°♊	
	70 Aug 20 j 14:04	0°♋	
	70 Oct 12 j 19:43	0°♌	
retrograde	70 Dec 27 j 07:54	23°♌49'01	
opposition	71 Feb 04 j 19:59	14°♌31'47	4°34'18
greatest brilliancy	71 Feb 05 j 04:59	14°♌22'55	-1.3m
min. Earth dist.	71 Feb 07 j 10:59	13°♌29'41	0.66671 AU
direct	71 Mar 18 j 04:30	4°♌31'07	
	71 Jun 04 j 08:48	0°♍	
desc. node	71 Jul 22 j 10:44	28°♍13'58	
	71 Jul 25 j 04:52	0°♎	
	71 Sep 07 j 07:46	0°♏	
	71 Oct 17 j 23:52	0°♐	
	71 Nov 25 j 18:28	0°♑	
	72 Jan 02 j 20:04	0°♒	
evening set	72 Jan 20 j 15:27	13°♒59'39	
	72 Feb 10 j 05:21	0°♓	
	72 Mar 20 j 19:16	0°♈	
conjunction	72 Mar 26 j 06:13	4°♈02'11	-0°33'42
minimum elong	72 Mar 26 j 08:31	4°♈06'26	0°33'39
	72 May 01 j 05:09	0°♉	
max. Earth dist.	72 May 09 j 05:10	5°♉37'31	2.49186 AU
asc. node	72 May 21 j 00:35	13°♉49'36	
morning rise	72 May 25 j 16:13	17°♉01'31	
	72 Jun 13 j 19:22	0°♊	
	72 Jul 29 j 17:17	0°♋	
	72 Sep 16 j 06:21	0°♌	
	72 Nov 08 j 09:11	0°♍	
retrograde	73 Feb 03 j 09:13	29°♍13'00	
opposition	73 Mar 13 j 00:22	20°♍52'41	3°26'30
greatest brilliancy	73 Mar 13 j 19:47	20°♍34'19	-1.6m
min. Earth dist.	73 Mar 19 j 09:32	18°♍27'50	0.59853 AU
direct	73 Apr 22 j 21:31	11°♍04'35	
desc. node	73 Jun 08 j 09:08	22°♍28'33	
	73 Jun 24 j 06:48	0°♎	
	73 Aug 13 j 09:30	0°♏	
	73 Sep 24 j 20:35	0°♐	
	73 Nov 03 j 10:05	0°♑	
	73 Dec 12 j 00:27	0°♒	
	74 Jan 19 j 22:02	0°♓	
	74 Mar 01 j 01:07	0°♈	
evening set	74 Mar 24 j 20:47	17°♈12'48	
asc. node	74 Apr 07 j 23:55	27°♈12'24	
	74 Apr 11 j 23:40	0°♉	
conjunction	74 May 19 j 12:38	25°♉42'42	0°24'25
minimum elong	74 May 19 j 11:30	25°♉40'48	0°24'24
	74 May 25 j 22:15	0°♊	
max. Earth dist.	74 Jun 11 j 19:23	11°♊11'31	2.60339 AU
morning rise	74 Jul 09 j 03:51	29°♊00'32	
	74 Jul 10 j 16:45	0°♋	
	74 Aug 26 j 22:41	0°♌	
	74 Oct 14 j 13:43	0°♍	
	74 Dec 04 j 13:23	0°♎	
	75 Feb 01 j 15:17	0°♏	
retrograde	75 Mar 26 j 12:56	13°♏08'10	
desc. node	75 Apr 26 j 08:41	7°♏29'11	
opposition	75 Apr 29 j 13:33	6°♏25'15	-0°10'27
greatest brilliancy	74 Aug 29 j 16:25	1°♌42'48	1.8m
min. Earth dist.	75 May 08 j 00:21	3°♏34'23	0.47657 AU
	75 May 20 j 18:58	30°℞♎	
direct	75 Jun 06 j 00:13	28°♎10'51	
	75 Jun 22 j 12:38	0°♏	
	75 Aug 25 j 19:17	0°♐	
	75 Oct 08 j 15:38	0°♑	
	75 Nov 18 j 09:46	0°♒	
	75 Dec 28 j 20:39	0°♓	
	76 Feb 08 j 06:54	0°♈	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

asc. node	76 Feb 23 j 21:56	11°♈02'05		
	76 Mar 22 j 07:48	0°♉		
	76 May 06 j 02:17	0°♊		
evening set	76 May 11 j 13:20	3°♊35'17		
	76 Jun 21 j 06:43	0°♋		
conjunction	76 Jun 29 j 14:19	5°♋20'09	1°00'22	
minimum elong	76 Jun 29 j 13:12	5°♋18'21	1°00'22	
max. Earth dist.	76 Jul 06 j 04:34	9°♋33'19	2.66418 AU	
	76 Aug 07 j 06:24	0°♌		
morning rise	76 Aug 14 j 11:43	4°♌35'31		
	76 Sep 23 j 10:53	0°♍		
	76 Nov 09 j 13:38	0°♎		
	76 Dec 26 j 20:11	0°♏		
	77 Feb 13 j 06:14	0°♐		
desc. node	77 Mar 13 j 07:45	16°♐27'22		
	77 Apr 07 j 15:12	0°♑		
retrograde	77 Jun 08 j 06:38	18°♑36'05		
opposition	77 Jul 08 j 12:12	13°♑37'23	-6°26'16	
greatest brilliancy	77 Jul 08 j 19:05	13°♑32'48	-2.9m	
min. Earth dist.	77 Jul 09 j 21:08	13°♑15'26	0.37637 AU	
direct	77 Aug 07 j 20:41	8°♑30'46		
	77 Oct 11 j 04:50	0°♒		
	77 Nov 29 j 12:48	0°♓		
asc. node	78 Jan 10 j 21:05	27°♓43'32		
	78 Jan 14 j 07:53	0°♈		
	78 Mar 01 j 01:34	0°♉		
	78 Apr 16 j 13:38	0°♊		
	78 Jun 02 j 18:16	0°♋		
evening set	78 Jun 20 j 17:53	11°♋23'10		
	78 Jul 20 j 01:58	0°♌		
max. Earth dist.	78 Jul 29 j 11:29	5°♌59'17	2.67063 AU	
conjunction	78 Aug 05 j 21:00	10°♌42'49	1°09'17	
minimum elong	78 Aug 05 j 21:14	10°♌43'11	1°09'17	
	78 Sep 04 j 20:07	0°♍		
morning rise	78 Sep 19 j 11:03	9°♍30'47		
	78 Oct 20 j 12:54	0°♎		
	78 Dec 03 j 23:55	0°♏		
	79 Jan 16 j 07:26	0°♐		
desc. node	79 Jan 29 j 06:54	9°♐07'13		
	79 Feb 27 j 18:37	0°♑		
	79 Apr 11 j 02:43	0°♒		
	79 May 25 j 07:55	0°♓		
	79 Jul 21 j 05:14	0°♈		
retrograde	79 Aug 18 j 08:50	5°♈16'36		
min. Earth dist.	79 Sep 14 j 19:11	0°♈12'12	0.43956 AU	
	79 Sep 15 j 10:04	30°℞♓		
opposition	79 Sep 22 j 18:26	27°♓31'43	-3°39'02	
greatest brilliancy	79 Sep 21 j 19:40	27°♓50'52	-2.5m	
direct	79 Oct 24 j 15:30	21°♓13'28		
asc. node	79 Nov 28 j 20:40	28°♓09'14		
	79 Dec 03 j 21:00	0°♈		
	80 Feb 02 j 11:34	0°♉		
	80 Mar 24 j 21:07	0°♊		
	80 May 13 j 08:40	0°♋		
	80 Jun 30 j 16:48	0°♌		
evening set	80 Jul 27 j 05:18	16°♌49'37		
	80 Aug 16 j 15:00	0°♍		
max. Earth dist.	80 Aug 22 j 00:05	3°♍30'29	2.62333 AU	
conjunction	80 Sep 11 j 08:13	16°♍55'47	0°51'15	
minimum elong	80 Sep 11 j 09:28	16°♍57'51	0°51'14	
	80 Sep 30 j 18:56	0°♎		
morning rise	80 Oct 27 j 22:28	18°♎39'58		
	80 Nov 13 j 01:44	0°♏		
desc. node	80 Dec 16 j 06:29	23°♏52'06		
	80 Dec 24 j 15:26	0°♐		
	81 Feb 02 j 21:17	0°♑		
	81 Mar 14 j 09:45	0°♒		
	81 Apr 23 j 01:58	0°♓		
	81 Jun 03 j 07:52	0°♈		
	81 Jul 19 j 03:38	0°♉		
retrograde	81 Oct 03 j 19:58	28°♉19'42		
asc. node	81 Oct 15 j 18:37	27°♉17'56		
min. Earth dist.	81 Nov 05 j 11:09	21°♉08'13	0.56671 AU	
opposition	81 Nov 11 j 21:43	18°♉37'35	1°13'14	
greatest brilliancy	81 Nov 11 j 14:03	18°♉45'05	-1.8m	
direct	81 Dec 18 j 06:05	10°♉21'45		
	82 Feb 23 j 10:24	0°♊		
	82 Apr 21 j 09:40	0°♋		
	82 Jun 11 j 06:46	0°♌		
	82 Jul 29 j 02:04	0°♍		
evening set	82 Sep 04 j 15:17	24°♍48'41		
	82 Sep 12 j 06:30	0°♎		
max. Earth dist.	82 Sep 20 j 19:43	5°♎52'14	2.52652 AU	
conjunction	82 Oct 24 j 05:25	29°♎24'33	0°06'20	
minimum elong	82 Oct 24 j 05:42	29°♎25'04	0°06'20	
behind sun begin	82 Oct 23 j 09:25	28°♎48'39		
behind sun end	82 Oct 25 j 01:59	0°♏01'31		
	82 Oct 25 j 01:08	0°♏		
desc. node	82 Nov 03 j 05:24	6°♏38'27		
	82 Dec 04 j 19:03	0°♐		
morning rise	82 Dec 17 j 03:14	9°♐19'45		
	83 Jan 13 j 01:58	0°♑		
	83 Feb 20 j 15:25	0°♒		
	83 Mar 31 j 07:33	0°♓		
	83 May 10 j 01:29	0°♈		
	83 Jun 21 j 01:49	0°♉		
	83 Aug 06 j 09:11	0°♊		
asc. node	83 Sep 02 j 17:42	15°♊26'31		
	83 Oct 05 j 03:42	0°♋		
retrograde	83 Nov 10 j 02:47	7°♋10'44		
	83 Dec 13 j 07:18	30°℞♊		
min. Earth dist.	83 Dec 17 j 11:21	28°♊21'19	0.65245 AU	
opposition	83 Dec 20 j 05:55	27°♊14'33	3°42'34	
greatest brilliancy	83 Dec 19 j 19:58	27°♊24'32	-1.4m	
direct	84 Jan 28 j 14:07	17°♊53'10		
	84 Mar 19 j 13:13	0°♋		
	84 May 19 j 00:58	0°♌		
	84 Jul 08 j 08:52	0°♍		
	84 Aug 23 j 06:44	0°♎		
desc. node	84 Sep 20 j 03:56	19°♎20'54		
	84 Oct 05 j 00:46	0°♏		
evening set	84 Oct 21 j 02:09	11°♏45'08		
max. Earth dist.	84 Nov 12 j 20:17	28°♏48'32	2.40053 AU	
	84 Nov 14 j 09:55	0°♐		
conjunction	84 Dec 18 j 18:09	26°♐30'06	-0°51'44	
minimum elong	84 Dec 18 j 15:35	26°♐25'05	0°51'42	
	84 Dec 23 j 05:32	0°♑		
	85 Jan 30 j 08:38	0°♒		
morning rise	85 Feb 24 j 11:14	19°♒42'43		
	85 Mar 09 j 16:38	0°♓		
	85 Apr 18 j 02:24	0°♈		
	85 May 29 j 09:33	0°♉		
	85 Jul 12 j 09:45	0°♊		
asc. node	85 Jul 20 j 17:45	5°♊25'25		
	85 Aug 29 j 13:27	0°♋		
	85 Oct 27 j 08:33	0°♌		
retrograde	85 Dec 13 j 14:44	11°♌02'28		
opposition	86 Jan 22 j 12:04	1°♌29'57	4°35'24	
greatest brilliancy	86 Jan 22 j 15:02	1°♌27'01	-1.3m	

Attention, astronomical year style is used: The year -400 in astronomical counting style is the year 401 BCE in historical counting style.

min. Earth dist.	86 Jan 23 j 14:27	1°♌03'44	0.67553 AU
	86 Jan 26 j 06:47	30℞♋	
direct	86 Mar 04 j 13:20	21°♋34'59	
	86 Apr 14 j 14:32	0°♌	
	86 Jun 15 j 08:35	0°♍	
	86 Aug 02 j 19:02	0°♎	
desc. node	86 Aug 08 j 02:50	3°♎32'05	
	86 Sep 15 j 06:09	0°♏	
	86 Oct 25 j 17:25	0°♐	
	86 Dec 03 j 10:18	0°♑	
evening set	86 Dec 23 j 14:58	15°♑55'11	
	87 Jan 10 j 10:39	0°♒	
	87 Feb 17 j 18:03	0°♓	
conjunction	87 Feb 28 j 23:23	8°♓38'53	-0°54'23
minimum elong	87 Mar 01 j 02:14	8°♓44'21	0°54'22
	87 Mar 29 j 05:09	0°♈	
max. Earth dist.	87 Apr 20 j 11:46	16°♈22'18	2.43873 AU
morning rise	87 May 05 j 08:42	27°♈03'24	
	87 May 09 j 12:14	0°♉	
asc. node	87 Jun 07 j 16:25	20°♉16'33	
	87 Jun 22 j 01:42	0°♊	
	87 Aug 07 j 05:44	0°♋	
	87 Sep 25 j 20:37	0°♌	
	87 Nov 22 j 16:42	0°♍	
retrograde	88 Jan 19 j 07:29	15°♍04'02	
opposition	88 Feb 26 j 20:05	6°♍17'53	4°05'28
greatest brilliancy	88 Feb 27 j 13:00	6°♍01'31	-1.5m
min. Earth dist.	88 Mar 02 j 19:07	4°♍22'54	0.63279 AU
	88 Mar 15 j 07:01	30℞♌	
direct	88 Apr 08 j 03:34	26°♌18'51	
	88 May 03 j 12:59	0°♍	
desc. node	88 Jun 25 j 01:30	22°♍44'59	
	88 Jul 07 j 18:02	0°♎	
	88 Aug 23 j 05:21	0°♏	
	88 Oct 03 j 16:29	0°♐	
	88 Nov 11 j 19:22	0°♑	
	88 Dec 20 j 02:31	0°♒	
	89 Jan 27 j 17:25	0°♓	
evening set	89 Mar 01 j 22:27	25°♓05'35	
	89 Mar 08 j 13:32	0°♈	
	89 Apr 19 j 05:32	0°♉	
asc. node	89 Apr 24 j 15:15	3°♉47'12	
conjunction	89 Apr 30 j 09:40	7°♉48'07	0°03'35
minimum elong	89 Apr 30 j 09:26	7°♉47'43	0°03'35
behind sun begin	89 Apr 29 j 10:24	7°♉07'45	
behind sun end	89 May 01 j 08:27	8°♉27'37	
max. Earth dist.	89 May 31 j 07:18	28°♉53'04	2.56535 AU
	89 Jun 01 j 23:13	0°♊	
morning rise	89 Jun 23 j 03:26	14°♊02'36	
	89 Jul 17 j 16:56	0°♋	
	89 Sep 03 j 06:27	0°♌	
	89 Oct 23 j 00:08	0°♍	
	89 Dec 16 j 14:30	0°♎	
retrograde	90 Mar 04 j 11:22	24°♎34'38	
opposition	90 Apr 09 j 03:13	17°♎07'25	1°38'17
greatest brilliancy	90 Apr 09 j 16:29	16°♎55'31	-2.0m
min. Earth dist.	90 Apr 17 j 05:25	14°♎13'22	0.52849 AU
desc. node	90 May 13 j 00:03	8°♎13'32	
direct	90 May 18 j 10:10	8°♎01'21	
	90 Jul 23 j 06:03	0°♏	
	90 Sep 08 j 06:44	0°♐	
	90 Oct 19 j 11:05	0°♑	
	90 Nov 27 j 23:31	0°♒	
	91 Jan 06 j 14:18	0°♓	
	91 Feb 16 j 08:23	0°♈	
asc. node	91 Mar 12 j 14:18	17°♈17'00	
	91 Mar 30 j 20:05	0°♉	
evening set	91 Apr 25 j 00:48	17°♉11'25	
	91 May 14 j 04:36	0°♊	
conjunction	91 Jun 15 j 03:11	20°♊56'38	0°49'39
minimum elong	91 Jun 15 j 01:46	20°♊54'21	0°49'39
max. Earth dist.	91 Jun 27 j 22:04	29°♊12'41	2.64691 AU
	91 Jun 29 j 03:26	0°♋	
morning rise	91 Aug 01 j 09:41	21°♋16'35	
	91 Aug 15 j 03:32	0°♌	
	91 Oct 01 j 17:36	0°♍	
	91 Nov 18 j 21:08	0°♎	
	92 Jan 07 j 11:18	0°♏	
	92 Mar 02 j 06:11	0°♐	
desc. node	92 Mar 30 j 00:27	11°♐59'45	
retrograde	92 May 07 j 07:04	19°♐44'34	
opposition	92 Jun 07 j 10:49	14°♐20'47	-4°10'31
greatest brilliancy	92 Jun 08 j 06:54	14°♐06'20	-2.7m
min. Earth dist.	92 Jun 13 j 12:00	12°♐36'39	0.40190 AU
direct	92 Jul 10 j 11:09	8°♐09'20	
	92 Sep 12 j 04:28	0°♑	
	92 Oct 29 j 09:12	0°♒	
	92 Dec 11 j 18:53	0°♓	
	93 Jan 24 j 01:38	0°♈	
asc. node	93 Jan 27 j 12:15	2°♈21'40	
	93 Mar 09 j 09:20	0°♉	
	93 Apr 24 j 00:47	0°♊	
evening set	93 Jun 05 j 17:59	27°♊27'25	
	93 Jun 09 j 17:37	0°♋	
max. Earth dist.	93 Jul 20 j 10:31	25°♋54'51	2.67467 AU
conjunction	93 Jul 22 j 15:20	27°♋18'55	1°09'00
minimum elong	93 Jul 22 j 15:01	27°♋18'23	1°09'01
	93 Jul 26 j 20:32	0°♌	
morning rise	93 Sep 05 j 08:26	25°♌54'19	
	93 Sep 11 j 17:01	0°♍	
	93 Oct 27 j 20:01	0°♎	
	93 Dec 12 j 02:30	0°♏	
	94 Jan 25 j 16:51	0°♐	
desc. node	94 Feb 14 j 23:44	13°♐43'27	
	94 Mar 11 j 02:29	0°♑	
	94 Apr 25 j 19:27	0°♒	
	94 Jun 20 j 02:21	0°♓	
retrograde	94 Jul 25 j 07:31	7°♓46'00	
min. Earth dist.	94 Aug 20 j 22:50	3°♓16'06	0.39627 AU
greatest brilliancy	94 Aug 25 j 23:04	1°♓47'07	-2.8m
opposition	94 Aug 27 j 00:53	1°♓27'53	-5°51'39
	94 Sep 01 j 01:46	30℞♒	
direct	94 Sep 26 j 06:44	26°♒04'35	
	94 Oct 21 j 16:10	0°♓	
asc. node	94 Dec 15 j 11:26	24°♓34'37	
	94 Dec 25 j 04:38	0°♈	
	95 Feb 13 j 16:57	0°♉	
	95 Apr 03 j 10:22	0°♊	
	95 May 21 j 18:36	0°♋	
	95 Jul 08 j 14:43	0°♌	
evening set	95 Jul 13 j 17:17	3°♌14'04	
max. Earth dist.	95 Aug 13 j 06:40	22°♌46'48	2.64813 AU
	95 Aug 24 j 10:01	0°♍	
conjunction	95 Aug 28 j 11:52	2°♍39'22	1°01'28
minimum elong	95 Aug 28 j 12:50	2°♍40'58	1°01'27
	95 Oct 08 j 17:38	0°♎	
morning rise	95 Oct 12 j 19:49	2°♎45'49	
	95 Nov 21 j 09:23	0°♏	
desc. node	96 Jan 02 j 22:03	0°♐17'55	

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	96 Jan 02 j 12:09	0°♐	
	96 Feb 12 j 09:27	0°♑	
	96 Mar 23 j 15:02	0°♒	
	96 May 03 j 04:52	0°♓	
	96 Jun 15 j 03:43	0°♈	
	96 Aug 06 j 19:59	0°♉	
retrograde	96 Sep 17 j 03:55	10°♉16'09	
min. Earth dist.	96 Oct 17 j 15:15	3°♉53'21	0.51880 AU
opposition	96 Oct 25 j 05:30	1°♉02'07	-0°21'30
greatest brilliancy	96 Oct 25 j 03:15	1°♉04'14	-2.1m
	96 Oct 28 j 00:10	30℞♈	
asc. node	96 Nov 01 j 11:20	28°♈24'42	
direct	96 Nov 29 j 00:09	23°♈25'15	
	97 Jan 02 j 20:25	0°♉	
	97 Mar 08 j 10:07	0°♊	
	97 Apr 30 j 02:57	0°♋	
	97 Jun 18 j 17:20	0°♌	
	97 Aug 05 j 02:10	0°♍	
evening set	97 Aug 19 j 18:39	9°♍35'52	
max. Earth dist.	97 Sep 08 j 02:15	22°♍27'42	2.56965 AU
	97 Sep 19 j 05:22	0°♎	
conjunction	97 Oct 06 j 11:45	11°♎53'21	0°26'44
minimum elong	97 Oct 06 j 12:47	11°♎55'09	0°26'42
	97 Nov 01 j 03:42	0°♏	
desc. node	97 Nov 19 j 21:17	13°♏32'45	
morning rise	97 Nov 25 j 16:02	17°♏46'52	
	97 Dec 12 j 04:08	0°♐	
	98 Jan 20 j 18:27	0°♑	
	98 Feb 28 j 14:52	0°♒	
	98 Apr 08 j 13:34	0°♓	
	98 May 18 j 15:43	0°♈	
	98 Jun 30 j 09:56	0°♉	
	98 Aug 18 j 08:42	0°♊	
asc. node	98 Sep 19 j 10:15	15°♊06'08	
retrograde	98 Oct 27 j 06:20	23°♊11'05	
min. Earth dist.	98 Dec 01 j 21:48	14°♊55'51	0.62580 AU
opposition	98 Dec 06 j 03:46	13°♊13'57	2°58'16
greatest brilliancy	98 Dec 05 j 15:47	13°♊25'57	-1.5m
direct	99 Jan 13 j 11:17	4°♊13'43	
	99 Apr 04 j 03:32	0°♋	
	99 May 28 j 22:25	0°♌	
	99 Jul 16 j 23:27	0°♍	
	99 Aug 31 j 12:32	0°♎	
evening set	99 Oct 02 j 03:13	22°♎01'33	
desc. node	99 Oct 07 j 20:23	26°♎06'46	
	99 Oct 13 j 05:54	0°♏	
max. Earth dist.	99 Oct 17 j 06:24	2°♏54'48	2.44971 AU
	99 Nov 22 j 17:47	0°♐	
conjunction	99 Nov 25 j 11:13	2°♐04'04	-0°30'27
minimum elong	99 Nov 25 j 09:27	2°♐00'43	0°30'26
	99 Dec 31 j 16:58	0°♑	
morning rise	100 Jan 26 j 17:40	20°♑23'39	
	100 Feb 07 j 23:00	0°♒	
	100 Mar 17 j 08:51	0°♓	
	100 Apr 25 j 19:54	0°♈	
	100 Jun 06 j 06:08	0°♉	
	100 Jul 20 j 18:13	0°♊	
asc. node	100 Aug 06 j 08:49	10°♊28'21	
	100 Sep 08 j 20:21	0°♋	
retrograde	100 Nov 30 j 05:22	28°♋17'07	
opposition	101 Jan 09 j 07:54	18°♋32'34	4°24'35
greatest brilliancy	101 Jan 09 j 05:04	18°♋35'24	-1.3m
min. Earth dist.	101 Jan 08 j 21:59	18°♋42'29	0.67429 AU
direct	101 Feb 18 j 20:32	8°♋47'34	
	101 May 01 j 01:11	0°♌	
	101 Jun 24 j 16:25	0°♍	
	101 Aug 10 j 18:58	0°♎	
desc. node	101 Aug 24 j 18:39	9°♎29'25	
	101 Sep 22 j 20:59	0°♏	
	101 Nov 02 j 06:26	0°♐	
evening set	101 Nov 26 j 17:07	18°♐50'16	
	101 Dec 10 j 23:40	0°♑	