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

superior conj	-400 Oct 03 j 20:40	5°♎52'15	1°04'52
minimum elong	-400 Oct 04 j 07:08	6°♎25'13	1°04'31
	-400 Oct 23 j 00:59	0°♏	
desc. node	-400 Nov 03 j 22:08	14°♏56'47	
evening rise	-400 Nov 13 j 20:44	27°♏26'23	
	-400 Nov 15 j 21:39	0°♐	
	-400 Dec 09 j 19:44	0°♑	
	-399 Jan 02 j 20:36	0°♒	
	-399 Jan 27 j 02:39	0°♓	
	-399 Feb 20 j 17:40	0°♈	
asc. node	-399 Feb 25 j 00:48	5°♈10'12	
	-399 Mar 17 j 23:24	0°♉	
	-399 Apr 13 j 06:06	0°♊	
	-399 May 11 j 16:57	0°♋	
evening max el	-399 May 16 j 01:35	4°♋13'28	45°18'05
desc. node	-399 Jun 16 j 14:42	28°♋52'04	
	-399 Jun 18 j 20:59	0°♌	
greatest brilliancy	-399 Jun 21 j 00:12	0°♌57'09	-4.5m
retrograde	-399 Jul 03 j 14:56	3°♌45'06	
	-399 Jul 17 j 14:21	30°℞♋	
evening set	-399 Jul 20 j 06:09	28°♋33'42	
inferior conj	-399 Jul 24 j 22:35	25°♋45'14	-7°-31'-14
minimum elong	-399 Jul 24 j 13:34	25°♋59'06	7°29'55
min. Earth dist.	-399 Jul 25 j 06:05	25°♋33'41	0.28485 AU
morning rise	-399 Jul 28 j 20:40	23°♋22'19	
direct	-399 Aug 15 j 09:07	17°♋34'53	
greatest brilliancy	-399 Aug 29 j 22:24	21°♋18'52	-4.6m
	-399 Sep 12 j 15:18	0°♌	
morning max el	-399 Oct 04 j 13:50	19°♌43'48	46°36'57
asc. node	-399 Oct 07 j 17:30	22°♌56'03	
	-399 Oct 14 j 11:08	0°♍	
	-399 Nov 10 j 03:07	0°♎	
	-399 Dec 05 j 07:04	0°♏	
	-399 Dec 29 j 21:28	0°♐	
	-398 Jan 23 j 07:21	0°♑	
desc. node	-398 Jan 27 j 07:37	4°♑56'07	
	-398 Feb 16 j 16:22	0°♒	
	-398 Mar 13 j 01:52	0°♓	
	-398 Apr 06 j 12:10	0°♈	
morning set	-398 Apr 10 j 04:09	4°♈29'59	
	-398 Apr 30 j 22:59	0°♉	
max. Earth dist.	-398 May 15 j 22:32	18°♉23'07	1.73675 AU
superior conj	-398 May 16 j 20:23	19°♉30'10	0°-8'-28
minimum elong	-398 May 16 j 22:06	19°♉35'28	0°08'25
behind sun begin	-398 May 16 j 02:53	18°♉36'29	
behind sun end	-398 May 17 j 17:19	20°♉34'26	
asc. node	-398 May 20 j 10:22	23°♉54'05	
	-398 May 25 j 09:34	0°♊	
	-398 Jun 18 j 19:12	0°♋	
evening rise	-398 Jun 21 j 17:21	3°♋35'51	
	-398 Jul 13 j 03:50	0°♌	
	-398 Aug 06 j 12:20	0°♍	
	-398 Aug 30 j 22:13	0°♎	
desc. node	-398 Sep 09 j 00:26	11°♎08'19	
	-398 Sep 24 j 11:11	0°♏	
	-398 Oct 19 j 05:41	0°♐	
	-398 Nov 13 j 11:30	0°♑	
	-398 Dec 09 j 20:56	0°♒	
evening max el	-398 Dec 22 j 23:25	13°♒52'09	47°00'41
asc. node	-398 Dec 31 j 03:00	21°♒55'10	
	-397 Jan 09 j 00:23	0°♓	
greatest brilliancy	-397 Jan 28 j 10:44	13°♓30'36	-4.6m
retrograde	-397 Feb 11 j 17:09	17°♓14'18	
evening set	-397 Mar 01 j 12:39	11°♓03'22	
inferior conj	-397 Mar 04 j 21:48	8°♓56'05	8°17'26
minimum elong	-397 Mar 05 j 02:29	8°♓48'39	8°17'07
min. Earth dist.	-397 Mar 04 j 13:36	9°♓09'06	0.28546 AU
morning rise	-397 Mar 08 j 16:34	6°♓34'40	
direct	-397 Mar 26 j 01:53	0°♓45'12	
greatest brilliancy	-397 Apr 06 j 16:35	3°♓11'11	-4.5m
desc. node	-397 Apr 21 j 16:53	11°♓46'38	
	-397 May 13 j 04:00	0°♈	
morning max el	-397 May 13 j 23:53	0°♈47'19	45°47'56
	-397 Jun 11 j 08:44	0°♉	
	-397 Jul 08 j 02:47	0°♊	
	-397 Aug 02 j 16:38	0°♋	
asc. node	-397 Aug 12 j 19:56	12°♋09'44	
	-397 Aug 27 j 12:08	0°♌	
	-397 Sep 20 j 19:03	0°♍	
	-397 Oct 14 j 18:23	0°♎	
	-397 Nov 07 j 14:23	0°♏	
morning set	-397 Nov 09 j 02:40	1°♏54'16	
	-397 Dec 01 j 10:01	0°♐	
desc. node	-397 Dec 02 j 09:55	1°♐15'12	
superior conj	-397 Dec 20 j 22:36	24°♐32'43	0°-42'-3
minimum elong	-397 Dec 20 j 12:27	24°♐00'51	0°41'38
max. Earth dist.	-397 Dec 24 j 08:31	28°♐49'52	1.71276 AU
	-397 Dec 25 j 06:52	0°♑	
	-396 Jan 18 j 05:51	0°♒	
evening rise	-396 Jan 31 j 03:51	16°♒06'48	
	-396 Feb 11 j 07:59	0°♓	
	-396 Mar 06 j 14:41	0°♈	
asc. node	-396 Mar 24 j 12:44	21°♈56'26	
	-396 Mar 31 j 03:39	0°♉	
	-396 Apr 25 j 00:46	0°♊	
	-396 May 20 j 08:59	0°♋	
	-396 Jun 15 j 10:42	0°♌	
	-396 Jul 12 j 22:46	0°♍	
desc. node	-396 Jul 14 j 02:33	1°♍12'20	
evening max el	-396 Jul 27 j 13:39	14°♍43'48	46°10'53
	-396 Aug 13 j 16:43	0°♎	
greatest brilliancy	-396 Sep 04 j 13:50	13°♎25'20	-4.6m
retrograde	-396 Sep 14 j 23:57	15°♎23'25	
evening set	-396 Oct 01 j 09:21	10°♎15'47	
inferior conj	-396 Oct 05 j 15:59	7°♎43'09	-6°-42'-48
minimum elong	-396 Oct 06 j 02:40	7°♎26'56	6°40'35
min. Earth dist.	-396 Oct 06 j 09:09	7°♎17'05	0.26868 AU
morning rise	-396 Oct 10 j 19:39	4°♎40'42	
	-396 Oct 25 j 08:38	30°℞♍	
direct	-396 Oct 26 j 07:56	29°♍58'51	
	-396 Oct 27 j 07:20	0°♎	
asc. node	-396 Nov 04 j 05:09	1°♎30'13	
greatest brilliancy	-396 Nov 08 j 12:38	3°♎13'28	-4.7m
	-396 Dec 12 j 13:33	0°♏	
morning max el	-396 Dec 16 j 03:05	3°♏35'31	46°55'04
	-395 Jan 09 j 13:51	0°♐	
	-395 Feb 04 j 14:45	0°♑	
desc. node	-395 Feb 23 j 19:34	22°♑40'59	
	-395 Mar 01 j 23:04	0°♒	
	-395 Mar 27 j 00:05	0°♓	
	-395 Apr 20 j 21:05	0°♈	
	-395 May 15 j 15:00	0°♉	
	-395 Jun 09 j 05:25	0°♊	
morning set	-395 Jun 16 j 15:23	9°♊05'07	
asc. node	-395 Jun 16 j 22:17	9°♊26'16	
	-395 Jul 03 j 15:35	0°♋	
max. Earth dist.	-395 Jul 19 j 00:57	19°♋01'20	1.72841 AU

Command: venus -p3 -doall -mpdf -eswe -b1.1.-400 -n365980 -s0.5

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

superior conj	-395 Jul 22 j 22:50	23°♋52'12	1°11'39
minimum elong	-395 Jul 22 j 14:52	23°♋27'29	1°11'27
	-395 Jul 27 j 21:26	0°♌	
	-395 Aug 20 j 23:58	0°♍	
evening rise	-395 Aug 28 j 15:23	9°♍31'49	
	-395 Sep 14 j 00:58	0°♎	
desc. node	-395 Oct 06 j 12:18	28°♎02'12	
	-395 Oct 08 j 02:05	0°♏	
	-395 Nov 01 j 04:32	0°♐	
	-395 Nov 25 j 09:47	0°♑	
	-395 Dec 19 j 21:05	0°♒	
	-394 Jan 13 j 21:34	0°♓	
asc. node	-394 Jan 27 j 14:52	15°♓57'06	
	-394 Feb 09 j 02:17	0°♈	
evening max el	-394 Mar 04 j 03:59	24°♈10'17	45°45'41
	-394 Mar 10 j 06:39	0°♉	
greatest brilliancy	-394 Apr 07 j 10:46	20°♉52'20	-4.5m
retrograde	-394 Apr 22 j 01:42	24°♉36'51	
evening set	-394 May 07 j 08:20	20°♉07'23	
inferior conj	-394 May 13 j 13:04	16°♉23'12	1°18'54
minimum elong	-394 May 13 j 15:55	16°♉18'43	1°18'06
min. Earth dist.	-394 May 13 j 19:16	16°♉13'26	0.29012 AU
desc. node	-394 May 19 j 04:49	12°♉56'41	
morning rise	-394 May 19 j 23:25	12°♉30'44	
direct	-394 Jun 04 j 05:43	8°♉03'41	
greatest brilliancy	-394 Jun 17 j 22:26	11°♉19'23	-4.5m
	-394 Jul 14 j 12:16	0°♊	
morning max el	-394 Jul 23 j 03:55	8°♊00'46	45°55'25
	-394 Aug 13 j 13:51	0°♋	
asc. node	-394 Sep 09 j 07:47	0°♌10'22	
	-394 Sep 09 j 04:14	0°♌	
	-394 Oct 04 j 07:59	0°♍	
	-394 Oct 28 j 18:04	0°♎	
	-394 Nov 21 j 19:54	0°♏	
	-394 Dec 15 j 19:07	0°♐	
desc. node	-394 Dec 29 j 21:53	17°♐40'05	
	-393 Jan 08 j 18:38	0°♑	
morning set	-393 Jan 25 j 11:24	20°♑50'43	
	-393 Feb 01 j 19:45	0°♒	
	-393 Feb 25 j 23:08	0°♓	
superior conj	-393 Mar 06 j 08:06	10°♓22'21	-1°-22'-2
minimum elong	-393 Mar 06 j 13:28	10°♓38'57	1°21'59
max. Earth dist.	-393 Mar 09 j 18:28	14°♓37'06	1.72780 AU
	-393 Mar 22 j 05:16	0°♈	
evening rise	-393 Apr 13 j 10:34	27°♈21'01	
	-393 Apr 15 j 14:21	0°♉	
asc. node	-393 Apr 22 j 00:34	7°♉53'00	
	-393 May 10 j 02:21	0°♊	
	-393 Jun 03 j 17:19	0°♋	
	-393 Jun 28 j 12:06	0°♌	
	-393 Jul 23 j 12:58	0°♍	
desc. node	-393 Aug 11 j 14:30	22°♍31'15	
	-393 Aug 18 j 00:08	0°♎	
	-393 Sep 13 j 06:19	0°♏	
evening max el	-393 Oct 09 j 21:32	28°♏28'16	47°19'31
	-393 Oct 11 j 10:10	0°♐	
greatest brilliancy	-393 Nov 17 j 14:41	29°♐05'50	-4.7m
	-393 Nov 19 j 21:04	0°♑	
retrograde	-393 Nov 29 j 17:12	1°♑51'46	
asc. node	-393 Dec 02 j 17:10	1°♑40'35	
	-393 Dec 09 j 05:00	30°℞♐	
evening set	-393 Dec 14 j 10:35	27°♐31'36	
min. Earth dist.	-393 Dec 19 j 12:40	24°♐31'07	0.26682 AU
inferior conj	-393 Dec 20 j 08:50	23°♐59'56	4°21'06
minimum elong	-393 Dec 20 j 00:13	24°♐13'16	4°18'41
morning rise	-393 Dec 25 j 14:20	20°♐52'27	

direct	-392 Jan 09 j 16:42	16°♐20'14	
greatest brilliancy	-392 Jan 20 j 14:13	18°♐32'44	-4.6m
	-392 Feb 08 j 08:13	0°♑	
morning max el	-392 Feb 28 j 09:13	17°♑56'11	46°23'07
	-392 Mar 11 j 06:30	0°♒	
desc. node	-392 Mar 23 j 07:18	12°♒50'06	
	-392 Apr 07 j 19:22	0°♓	
	-392 May 04 j 00:15	0°♈	
	-392 May 29 j 13:17	0°♉	
	-392 Jun 23 j 15:21	0°♊	
asc. node	-392 Jul 14 j 10:07	25°♊13'25	
	-392 Jul 18 j 07:53	0°♋	
	-392 Aug 11 j 16:00	0°♌	
morning set	-392 Aug 24 j 06:22	15°♌40'09	
	-392 Sep 04 j 17:37	0°♍	
	-392 Sep 28 j 15:25	0°♎	
max. Earth dist.	-392 Sep 29 j 14:28	1°♎12'29	1.71316 AU
superior conj	-392 Oct 01 j 09:42	3°♎28'22	1°07'09
minimum elong	-392 Oct 01 j 19:56	4°♎00'33	1°06'51
	-392 Oct 22 j 11:51	0°♏	
desc. node	-392 Nov 03 j 00:13	14°♏28'58	
evening rise	-392 Nov 11 j 06:52	24°♏53'06	
	-392 Nov 15 j 08:37	0°♐	
	-392 Dec 09 j 06:50	0°♑	
	-391 Jan 02 j 07:53	0°♒	
	-391 Jan 26 j 14:12	0°♓	
	-391 Feb 20 j 05:42	0°♈	
asc. node	-391 Feb 24 j 02:48	4°♈39'45	
	-391 Mar 17 j 12:24	0°♉	
	-391 Apr 12 j 21:14	0°♊	
	-391 May 11 j 14:07	0°♋	
evening max el	-391 May 13 j 17:22	2°♋03'10	45°17'44
desc. node	-391 Jun 15 j 16:51	27°♋24'57	
greatest brilliancy	-391 Jun 18 j 11:21	28°♋41'01	-4.5m
	-391 Jun 22 j 00:10	0°♌	
retrograde	-391 Jul 01 j 06:23	1°♌32'59	
	-391 Jul 10 j 03:17	30°℞♋	
evening set	-391 Jul 17 j 17:52	26°♋25'52	
inferior conj	-391 Jul 22 j 13:47	23°♋32'17	-7°-20'-9
minimum elong	-391 Jul 22 j 04:26	23°♋46'39	7°18'40
min. Earth dist.	-391 Jul 22 j 20:24	23°♋22'05	0.28521 AU
morning rise	-391 Jul 26 j 14:44	21°♋05'18	
direct	-391 Aug 13 j 01:16	15°♋21'23	
greatest brilliancy	-391 Aug 27 j 14:32	19°♋05'54	-4.6m
	-391 Sep 13 j 03:34	0°♌	
morning max el	-391 Oct 02 j 05:47	17°♌28'38	46°35'39
asc. node	-391 Oct 06 j 19:27	22°♌08'17	
	-391 Oct 14 j 05:45	0°♍	
	-391 Nov 09 j 17:51	0°♎	
	-391 Dec 04 j 20:10	0°♏	
	-391 Dec 29 j 09:42	0°♐	
	-390 Jan 22 j 19:03	0°♑	
desc. node	-390 Jan 26 j 09:41	4°♑26'42	
	-390 Feb 16 j 03:42	0°♒	
	-390 Mar 12 j 12:54	0°♓	
	-390 Apr 05 j 22:58	0°♈	
morning set	-390 Apr 07 j 21:02	2°♈21'24	
	-390 Apr 30 j 09:37	0°♉	
max. Earth dist.	-390 May 13 j 22:21	16°♉36'18	1.73672 AU
superior conj	-390 May 14 j 14:28	17°♉25'47	0°-11'-36
minimum elong	-390 May 14 j 16:50	17°♉33'01	0°11'30
behind sun begin	-390 May 14 j 01:13	16°♉45'06	
behind sun end	-390 May 15 j 08:26	18°♉20'56	
asc. node	-390 May 19 j 12:31	23°♉28'10	
	-390 May 24 j 20:09	0°♊	

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

	-390 Jun 18 j 05:52	0°♋	
evening rise	-390 Jun 19 j 12:27	1°♋34'04	
	-390 Jul 12 j 14:42	0°♌	
	-390 Aug 05 j 23:32	0°♍	
	-390 Aug 30 j 09:52	0°♎	
desc. node	-390 Sep 08 j 02:24	10°♎38'05	
	-390 Sep 23 j 23:27	0°♏	
	-390 Oct 18 j 18:52	0°♐	
	-390 Nov 13 j 02:14	0°♑	
	-390 Dec 09 j 15:12	0°♒	
evening max el	-390 Dec 20 j 15:47	11°♒36'52	47°02'51
asc. node	-390 Dec 30 j 05:05	20°♒59'56	
	-389 Jan 09 j 08:59	0°♓	
greatest brilliancy	-389 Jan 26 j 03:51	11°♓17'18	-4.6m
retrograde	-389 Feb 09 j 09:38	14°♓59'46	
evening set	-389 Feb 27 j 05:44	8°♓47'01	
min. Earth dist.	-389 Mar 02 j 03:50	6°♓57'03	0.28502 AU
inferior conj	-389 Mar 02 j 13:29	6°♓41'45	8°22'39
minimum elong	-389 Mar 02 j 17:30	6°♓35'23	8°22'23
morning rise	-389 Mar 06 j 05:32	4°♓24'30	
	-389 Mar 15 j 05:12	30°℞♒	
direct	-389 Mar 23 j 17:34	28°♒31'50	
	-389 Apr 01 j 15:01	0°♓	
greatest brilliancy	-389 Apr 04 j 04:34	0°♓54'46	-4.5m
desc. node	-389 Apr 20 j 19:00	10°♓37'41	
morning max el	-389 May 11 j 15:56	28°♓37'21	45°48'24
	-389 May 13 j 02:22	0°♈	
	-389 Jun 11 j 00:21	0°♉	
	-389 Jul 07 j 15:59	0°♊	
	-389 Aug 02 j 04:42	0°♋	
asc. node	-389 Aug 11 j 21:56	11°♋40'15	
	-389 Aug 26 j 23:37	0°♌	
	-389 Sep 20 j 06:15	0°♍	
	-389 Oct 14 j 05:27	0°♎	
morning set	-389 Nov 06 j 13:42	29°♎23'11	
	-389 Nov 07 j 01:24	0°♏	
	-389 Nov 30 j 21:00	0°♐	
desc. node	-389 Dec 01 j 12:06	0°♐47'32	
superior conj	-389 Dec 18 j 08:08	21°♐57'35	0°-38'-31
minimum elong	-389 Dec 17 j 22:37	21°♐27'41	0°38'07
max. Earth dist.	-389 Dec 21 j 18:21	26°♐15'44	1.71237 AU
	-389 Dec 24 j 17:49	0°♑	
	-388 Jan 17 j 16:45	0°♒	
evening rise	-388 Jan 28 j 15:35	13°♒39'52	
	-388 Feb 10 j 18:53	0°♓	
	-388 Mar 06 j 01:42	0°♈	
asc. node	-388 Mar 23 j 14:45	21°♈28'24	
	-388 Mar 30 j 14:57	0°♉	
	-388 Apr 24 j 12:37	0°♊	
	-388 May 19 j 21:48	0°♋	
	-388 Jun 15 j 01:25	0°♌	
	-388 Jul 12 j 17:53	0°♍	
desc. node	-388 Jul 13 j 04:39	0°♍27'46	
evening max el	-388 Jul 25 j 02:49	12°♍22'57	46°08'08
	-388 Aug 14 j 06:35	0°♎	
greatest brilliancy	-388 Sep 02 j 02:51	11°♎01'15	-4.6m
retrograde	-388 Sep 12 j 11:24	12°♎57'53	
evening set	-388 Sep 29 j 01:08	7°♎45'40	
inferior conj	-388 Oct 03 j 04:34	5°♎17'28	-6°-57'-50
minimum elong	-388 Oct 03 j 15:05	5°♎01'27	6°55'46
min. Earth dist.	-388 Oct 03 j 22:31	4°♎50'09	0.26925 AU
morning rise	-388 Oct 08 j 04:41	2°♎19'30	
	-388 Oct 12 j 19:54	30°℞♍	
direct	-388 Oct 23 j 20:56	27°♍32'14	
asc. node	-388 Nov 03 j 07:22	29°♍36'09	
	-388 Nov 04 j 07:30	0°♎	
greatest brilliancy	-388 Nov 06 j 03:31	0°♎48'12	-4.7m
	-388 Dec 12 j 13:18	0°♏	
morning max el	-388 Dec 13 j 15:35	1°♏06'50	46°55'23
	-387 Jan 09 j 06:36	0°♐	
	-387 Feb 04 j 04:52	0°♑	
desc. node	-387 Feb 22 j 21:32	22°♑08'11	
	-387 Mar 01 j 11:48	0°♒	
	-387 Mar 26 j 11:58	0°♓	
	-387 Apr 20 j 08:27	0°♈	
	-387 May 15 j 02:02	0°♉	
	-387 Jun 08 j 16:16	0°♊	
morning set	-387 Jun 14 j 09:42	7°♊00'57	
asc. node	-387 Jun 16 j 00:23	8°♊59'32	
	-387 Jul 03 j 02:22	0°♋	
max. Earth dist.	-387 Jul 16 j 18:25	16°♋53'28	1.72893 AU
superior conj	-387 Jul 20 j 16:42	21°♋45'25	1°09'54
minimum elong	-387 Jul 20 j 08:29	21°♋19'59	1°09'41
	-387 Jul 27 j 08:13	0°♌	
	-387 Aug 20 j 10:53	0°♍	
evening rise	-387 Aug 26 j 06:47	7°♍16'01	
	-387 Sep 13 j 12:05	0°♎	
desc. node	-387 Oct 05 j 14:23	27°♎33'18	
	-387 Oct 07 j 13:28	0°♏	
	-387 Oct 31 j 16:14	0°♐	
	-387 Nov 24 j 21:53	0°♑	
	-387 Dec 19 j 09:48	0°♒	
	-386 Jan 13 j 11:24	0°♓	
asc. node	-386 Jan 26 j 16:54	15°♓20'22	
	-386 Feb 08 j 18:42	0°♈	
evening max el	-386 Mar 01 j 18:19	21°♈54'40	45°47'57
	-386 Mar 10 j 07:48	0°♉	
greatest brilliancy	-386 Apr 05 j 02:17	18°♉42'47	-4.5m
retrograde	-386 Apr 19 j 17:59	22°♉29'17	
evening set	-386 May 05 j 02:21	17°♉57'24	
inferior conj	-386 May 11 j 05:45	14°♉15'15	1°38'04
minimum elong	-386 May 11 j 09:15	14°♉09'44	1°37'04
min. Earth dist.	-386 May 11 j 12:25	14°♉04'46	0.29017 AU
morning rise	-386 May 17 j 16:01	10°♉22'37	
desc. node	-386 May 18 j 06:57	10°♉02'21	
direct	-386 Jun 01 j 21:39	5°♉55'25	
greatest brilliancy	-386 Jun 15 j 14:27	9°♉10'35	-4.5m
	-386 Jul 14 j 14:09	0°♊	
morning max el	-386 Jul 20 j 19:22	5°♊48'56	45°54'26
	-386 Aug 13 j 06:28	0°♋	
asc. node	-386 Sep 08 j 09:49	29°♋35'49	
	-386 Sep 08 j 18:05	0°♌	
	-386 Oct 03 j 20:38	0°♍	
	-386 Oct 28 j 06:06	0°♎	
	-386 Nov 21 j 07:36	0°♏	
	-386 Dec 15 j 06:35	0°♐	
desc. node	-386 Dec 28 j 23:51	17°♐10'44	
	-385 Jan 08 j 05:56	0°♑	
morning set	-385 Jan 22 j 22:09	18°♑19'36	
	-385 Feb 01 j 06:54	0°♒	
	-385 Feb 25 j 10:10	0°♓	
superior conj	-385 Mar 03 j 22:30	8°♓04'20	-1°-22'-55
minimum elong	-385 Mar 04 j 03:08	8°♓18'42	1°22'53
max. Earth dist.	-385 Mar 07 j 08:45	12°♓18'53	1.72723 AU
	-385 Mar 21 j 16:13	0°♈	
evening rise	-385 Apr 11 j 03:22	25°♈11'38	
	-385 Apr 15 j 01:19	0°♉	
asc. node	-385 Apr 21 j 02:46	7°♉26'05	
	-385 May 09 j 13:26	0°♊	
	-385 Jun 03 j 04:42	0°♋	
	-385 Jun 28 j 00:04	0°♌	

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

	-385 Jul 23 j 01:51	0°♍	
desc. node	-385 Aug 10 j 16:26	21°♍56'15	
	-385 Aug 17 j 14:30	0°♎	
	-385 Sep 12 j 23:29	0°♏	
evening max el	-385 Oct 07 j 10:48	26°♏02'01	47°18'20
	-385 Oct 11 j 10:47	0°♐	
greatest brilliancy	-385 Nov 15 j 05:00	26°♐37'55	-4.7m
retrograde	-385 Nov 27 j 06:18	29°♐22'46	
asc. node	-385 Dec 01 j 19:13	28°♐56'59	
evening set	-385 Dec 11 j 21:28	25°♐05'12	
min. Earth dist.	-385 Dec 17 j 02:18	22°♐01'24	0.26635 AU
inferior conj	-385 Dec 17 j 21:31	21°♐31'48	4°00'09
minimum elong	-385 Dec 17 j 13:23	21°♐44'20	3°57'49
morning rise	-385 Dec 23 j 05:46	18°♐20'58	
direct	-384 Jan 07 j 04:54	13°♐52'29	
greatest brilliancy	-384 Jan 18 j 04:32	16°♐07'34	-4.6m
	-384 Feb 08 j 21:14	0°♑	
morning max el	-384 Feb 25 j 23:23	15°♑35'28	46°24'41
	-384 Mar 11 j 01:53	0°♒	
desc. node	-384 Mar 22 j 09:23	12°♒09'18	
	-384 Apr 07 j 10:27	0°♓	
	-384 May 03 j 13:27	0°♈	
	-384 May 29 j 01:26	0°♉	
	-384 Jun 23 j 02:53	0°♊	
asc. node	-384 Jul 13 j 12:08	24°♊45'11	
	-384 Jul 17 j 19:06	0°♋	
	-384 Aug 11 j 03:06	0°♌	
morning set	-384 Aug 21 j 22:03	13°♌24'50	
	-384 Sep 04 j 04:44	0°♍	
max. Earth dist.	-384 Sep 27 j 01:02	28°♍39'41	1.71355 AU
	-384 Sep 28 j 02:36	0°♎	
superior conj	-384 Sep 28 j 22:33	1°♎02'42	1°09'20
minimum elong	-384 Sep 29 j 08:28	1°♎33'51	1°09'03
	-384 Oct 21 j 23:07	0°♏	
desc. node	-384 Nov 02 j 02:23	14°♏00'11	
evening rise	-384 Nov 08 j 16:38	22°♏17'23	
	-384 Nov 14 j 19:58	0°♐	
	-384 Dec 08 j 18:18	0°♑	
	-383 Jan 01 j 19:31	0°♒	
	-383 Jan 26 j 02:06	0°♓	
	-383 Feb 19 j 18:07	0°♈	
asc. node	-383 Feb 23 j 04:50	4°♈08'16	
	-383 Mar 17 j 01:51	0°♉	
	-383 Apr 12 j 12:59	0°♊	
evening max el	-383 May 11 j 09:40	29°♊53'10	45°17'27
	-383 May 11 j 12:32	0°♋	
desc. node	-383 Jun 14 j 18:52	25°♋53'50	
greatest brilliancy	-383 Jun 15 j 23:38	26°♋25'29	-4.5m
retrograde	-383 Jun 28 j 21:44	29°♋20'01	
evening set	-383 Jul 15 j 05:46	24°♋17'24	
inferior conj	-383 Jul 20 j 05:02	21°♋18'40	-7°-8'-25
minimum elong	-383 Jul 19 j 19:26	21°♋33'27	7°06'48
min. Earth dist.	-383 Jul 20 j 10:46	21°♋09'49	0.28555 AU
morning rise	-383 Jul 24 j 08:52	18°♋47'23	
direct	-383 Aug 10 j 17:40	13°♋07'26	
greatest brilliancy	-383 Aug 25 j 05:31	16°♋50'40	-4.6m
	-383 Sep 13 j 13:07	0°♌	
morning max el	-383 Sep 29 j 21:04	15°♌10'47	46°34'05
asc. node	-383 Oct 05 j 21:41	21°♌20'46	
	-383 Oct 14 j 00:22	0°♍	
	-383 Nov 09 j 08:54	0°♎	
	-383 Dec 04 j 09:40	0°♏	
	-383 Dec 28 j 22:21	0°♐	
	-382 Jan 22 j 07:08	0°♑	
desc. node	-382 Jan 25 j 11:44	3°♑56'02	
	-382 Feb 15 j 15:22	0°♒	
	-382 Mar 12 j 00:16	0°♓	
	-382 Apr 05 j 10:06	0°♈	
morning set	-382 Apr 05 j 13:49	0°♈11'22	
	-382 Apr 29 j 20:38	0°♉	
superior conj	-382 May 12 j 08:35	15°♉20'21	0°-14'-43
minimum elong	-382 May 12 j 11:34	15°♉29'30	0°14'35
behind sun begin	-382 May 12 j 02:46	15°♉02'28	
behind sun end	-382 May 12 j 20:23	15°♉56'32	
max. Earth dist.	-382 May 11 j 21:40	14°♉46'50	1.73667 AU
asc. node	-382 May 18 j 14:35	23°♉00'47	
	-382 May 24 j 07:08	0°♊	
evening rise	-382 Jun 17 j 07:40	29°♊31'32	
	-382 Jun 17 j 16:55	0°♋	
	-382 Jul 12 j 01:57	0°♌	
	-382 Aug 05 j 11:06	0°♍	
	-382 Aug 29 j 21:53	0°♎	
desc. node	-382 Sep 07 j 04:33	10°♎07'13	
	-382 Sep 23 j 12:09	0°♏	
	-382 Oct 18 j 08:35	0°♐	
	-382 Nov 12 j 17:41	0°♑	
	-382 Dec 09 j 10:31	0°♒	
evening max el	-382 Dec 18 j 07:47	9°♒18'48	47°04'58
asc. node	-382 Dec 29 j 07:05	20°♒01'48	
	-381 Jan 09 j 21:30	0°♓	
greatest brilliancy	-381 Jan 23 j 22:04	9°♓03'40	-4.6m
retrograde	-381 Feb 07 j 01:43	12°♓43'19	
evening set	-381 Feb 24 j 22:31	6°♓29'29	
inferior conj	-381 Feb 28 j 05:05	4°♓25'49	8°27'06
minimum elong	-381 Feb 28 j 08:24	4°♓20'33	8°26'56
min. Earth dist.	-381 Feb 27 j 18:13	4°♓43'05	0.28450 AU
morning rise	-381 Mar 03 j 18:35	2°♓12'19	
	-381 Mar 07 j 16:07	30°♓℞♒	
direct	-381 Mar 21 j 08:56	26°♒17'04	
greatest brilliancy	-381 Apr 01 j 16:21	28°♒36'40	-4.5m
	-381 Apr 04 j 21:08	0°♓	
desc. node	-381 Apr 19 j 21:12	9°♓29'42	
morning max el	-381 May 09 j 07:00	26°♓23'55	45°48'54
	-381 May 13 j 00:18	0°♈	
	-381 Jun 10 j 16:04	0°♉	
	-381 Jul 07 j 05:25	0°♊	
	-381 Aug 01 j 17:02	0°♋	
asc. node	-381 Aug 11 j 00:01	11°♋10'08	
	-381 Aug 26 j 11:23	0°♌	
	-381 Sep 19 j 17:43	0°♍	
	-381 Oct 13 j 16:46	0°♎	
morning set	-381 Nov 04 j 00:54	26°♎51'41	
	-381 Nov 06 j 12:41	0°♏	
	-381 Nov 30 j 08:18	0°♐	
desc. node	-381 Nov 30 j 14:07	0°♐18'17	
superior conj	-381 Dec 15 j 17:28	19°♐20'41	0°-34'-53
minimum elong	-381 Dec 15 j 08:40	18°♐53'02	0°34'31
max. Earth dist.	-381 Dec 19 j 01:11	23°♐31'03	1.71204 AU
	-381 Dec 24 j 05:06	0°♑	
	-380 Jan 17 j 04:02	0°♒	
evening rise	-380 Jan 26 j 02:43	11°♒09'52	
	-380 Feb 10 j 06:09	0°♓	
	-380 Mar 05 j 13:04	0°♈	
asc. node	-380 Mar 22 j 16:55	20°♈59'53	
	-380 Mar 30 j 02:35	0°♉	
	-380 Apr 24 j 00:47	0°♊	
	-380 May 19 j 11:00	0°♋	
	-380 Jun 14 j 16:37	0°♌	
desc. node	-380 Jul 12 j 06:40	29°♌41'40	
	-380 Jul 12 j 13:51	0°♍	
evening max el	-380 Jul 22 j 15:14	9°♍59'46	46°05'27

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

	-380 Aug 15 j 01:19	0°♎	
greatest brilliancy	-380 Aug 30 j 15:55	8°♎37'07	-4.6m
retrograde	-380 Sep 09 j 23:01	10°♎32'50	
evening set	-380 Sep 26 j 17:03	5°♎15'46	
inferior conj	-380 Sep 30 j 17:22	2°♎52'08	-7°-11'-52
minimum elong	-380 Oct 01 j 03:40	2°♎36'27	7°09'57
min. Earth dist.	-380 Oct 01 j 12:10	2°♎23'32	0.26983 AU
morning rise	-380 Oct 05 j 13:52	29°♍58'58	
	-380 Oct 05 j 13:08	30°℞♍	
direct	-380 Oct 21 j 09:48	25°♍05'45	
asc. node	-380 Nov 02 j 09:23	27°♍46'27	
greatest brilliancy	-380 Nov 03 j 19:21	28°♍24'20	-4.7m
	-380 Nov 06 j 22:31	0°♎	
morning max el	-380 Dec 11 j 04:11	28°♎37'55	46°55'36
	-380 Dec 12 j 12:13	0°♏	
	-379 Jan 08 j 23:14	0°♐	
	-379 Feb 03 j 19:05	0°♑	
desc. node	-379 Feb 21 j 23:39	21°♑35'11	
	-379 Mar 01 j 00:43	0°♒	
	-379 Mar 26 j 00:03	0°♓	
	-379 Apr 19 j 20:00	0°♈	
	-379 May 14 j 13:14	0°♉	
	-379 Jun 08 j 03:15	0°♊	
morning set	-379 Jun 12 j 03:57	4°♊56'10	
asc. node	-379 Jun 15 j 02:21	8°♊32'01	
	-379 Jul 02 j 13:16	0°♋	
max. Earth dist.	-379 Jul 14 j 13:53	14°♋51'27	1.72946 AU
superior conj	-379 Jul 18 j 10:40	19°♋38'36	1°08'04
minimum elong	-379 Jul 18 j 02:15	19°♋12'31	1°07'50
	-379 Jul 26 j 19:09	0°♌	
	-379 Aug 19 j 21:56	0°♍	
evening rise	-379 Aug 23 j 22:37	5°♍01'10	
	-379 Sep 12 j 23:21	0°♎	
desc. node	-379 Oct 04 j 16:33	27°♎04'17	
	-379 Oct 07 j 00:58	0°♏	
	-379 Oct 31 j 04:01	0°♐	
	-379 Nov 24 j 10:02	0°♑	
	-379 Dec 18 j 22:36	0°♒	
	-378 Jan 13 j 01:26	0°♓	
asc. node	-378 Jan 25 j 18:57	14°♓43'11	
	-378 Feb 08 j 11:32	0°♈	
evening max el	-378 Feb 27 j 08:57	19°♈39'16	45°50'14
	-378 Mar 10 j 10:34	0°♉	
greatest brilliancy	-378 Apr 02 j 17:29	16°♉32'19	-4.5m
retrograde	-378 Apr 17 j 10:43	20°♉21'21	
evening set	-378 May 02 j 20:29	15°♉46'43	
inferior conj	-378 May 08 j 22:24	12°♉06'49	1°57'09
minimum elong	-378 May 09 j 02:34	12°♉00'16	1°55'58
min. Earth dist.	-378 May 09 j 05:16	11°♉56'02	0.29021 AU
morning rise	-378 May 15 j 08:29	8°♉14'31	
desc. node	-378 May 17 j 08:55	7°♉10'55	
direct	-378 May 30 j 13:46	3°♉46'43	
greatest brilliancy	-378 Jun 13 j 06:58	7°♉02'17	-4.5m
	-378 Jul 14 j 14:45	0°♊	
morning max el	-378 Jul 18 j 11:35	3°♊39'07	45°53'31
	-378 Aug 12 j 22:45	0°♋	
asc. node	-378 Sep 07 j 11:58	29°♋02'00	
	-378 Sep 08 j 07:46	0°♌	
	-378 Oct 03 j 09:11	0°♍	
	-378 Oct 27 j 18:04	0°♎	
	-378 Nov 20 j 19:13	0°♏	
	-378 Dec 14 j 17:57	0°♐	
desc. node	-378 Dec 28 j 01:55	16°♐41'59	
	-377 Jan 07 j 17:06	0°♑	
morning set	-377 Jan 20 j 09:07	15°♑49'25	
	-377 Jan 31 j 17:56	0°♒	
	-377 Feb 24 j 21:06	0°♓	
superior conj	-377 Mar 01 j 12:52	5°♓46'26	-1°-23'-39
minimum elong	-377 Mar 01 j 16:45	5°♓58'28	1°23'39
max. Earth dist.	-377 Mar 04 j 22:48	10°♓00'09	1.72673 AU
	-377 Mar 21 j 03:06	0°♈	
evening rise	-377 Apr 08 j 20:03	23°♈02'01	
	-377 Apr 14 j 12:12	0°♉	
asc. node	-377 Apr 20 j 04:46	6°♉58'46	
	-377 May 09 j 00:28	0°♊	
	-377 Jun 02 j 16:03	0°♋	
	-377 Jun 27 j 11:58	0°♌	
	-377 Jul 22 j 14:40	0°♍	
desc. node	-377 Aug 09 j 18:36	21°♍22'11	
	-377 Aug 17 j 04:53	0°♎	
	-377 Sep 12 j 16:52	0°♏	
evening max el	-377 Oct 05 j 01:06	23°♏39'01	47°17'00
	-377 Oct 11 j 12:27	0°♐	
greatest brilliancy	-377 Nov 12 j 18:53	24°♐10'05	-4.7m
retrograde	-377 Nov 24 j 19:50	26°♐54'18	
asc. node	-377 Nov 30 j 21:14	26°♐08'11	
evening set	-377 Dec 09 j 08:38	22°♐39'11	
min. Earth dist.	-377 Dec 14 j 15:41	19°♐32'34	0.26588 AU
inferior conj	-377 Dec 15 j 10:10	19°♐04'10	3°38'37
minimum elong	-377 Dec 15 j 02:36	19°♐15'48	3°36'24
morning rise	-377 Dec 20 j 21:05	15°♐50'19	
direct	-376 Jan 04 j 17:41	11°♐25'33	
greatest brilliancy	-376 Jan 15 j 17:58	13°♐42'07	-4.6m
	-376 Feb 09 j 06:32	0°♑	
morning max el	-376 Feb 23 j 13:55	13°♑16'30	46°26'13
	-376 Mar 10 j 20:25	0°♒	
desc. node	-376 Mar 21 j 11:34	11°♒30'07	
	-376 Apr 07 j 01:04	0°♓	
	-376 May 03 j 02:18	0°♈	
	-376 May 28 j 13:19	0°♉	
	-376 Jun 22 j 14:13	0°♊	
asc. node	-376 Jul 12 j 14:16	24°♊17'54	
	-376 Jul 17 j 06:07	0°♋	
	-376 Aug 10 j 13:58	0°♌	
morning set	-376 Aug 19 j 13:54	11°♌11'00	
	-376 Sep 03 j 15:35	0°♍	
max. Earth dist.	-376 Sep 24 j 10:40	26°♍04'55	1.71396 AU
superior conj	-376 Sep 26 j 11:43	28°♍38'57	1°11'23
minimum elong	-376 Sep 26 j 21:12	29°♍08'46	1°11'07
	-376 Sep 27 j 13:31	0°♎	
	-376 Oct 21 j 10:08	0°♏	
desc. node	-376 Nov 01 j 04:22	13°♏31'35	
evening rise	-376 Nov 06 j 02:34	19°♏42'59	
	-376 Nov 14 j 07:06	0°♐	
	-376 Dec 08 j 05:33	0°♑	
	-375 Jan 01 j 06:54	0°♒	
	-375 Jan 25 j 13:44	0°♓	
	-375 Feb 19 j 06:14	0°♈	
asc. node	-375 Feb 22 j 07:02	3°♈38'18	
	-375 Mar 16 j 15:01	0°♉	
	-375 Apr 12 j 04:35	0°♊	
evening max el	-375 May 09 j 01:59	27°♊44'09	45°17'03
	-375 May 11 j 11:29	0°♋	
greatest brilliancy	-375 Jun 13 j 13:18	24°♋12'35	-4.5m
desc. node	-375 Jun 13 j 20:56	24°♋20'38	
retrograde	-375 Jun 26 j 12:48	27°♋08'14	
evening set	-375 Jul 12 j 17:56	22°♋10'17	
inferior conj	-375 Jul 17 j 20:27	19°♋06'29	-6°-56'00
minimum elong	-375 Jul 17 j 10:39	19°♋21'37	6°54'17
min. Earth dist.	-375 Jul 18 j 01:37	18°♋58'31	0.28586 AU
morning rise	-375 Jul 22 j 03:09	16°♋30'44	

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

direct	-375 Aug 08 j 09:54	10°♋55'01	
greatest brilliancy	-375 Aug 22 j 20:05	14°♋36'02	-4.6m
	-375 Sep 13 j 19:37	0°♌	
morning max el	-375 Sep 27 j 11:26	12°♌51'50	46°32'31
asc. node	-375 Oct 04 j 23:44	20°♌34'34	
	-375 Oct 13 j 18:09	0°♍	
	-375 Nov 08 j 23:22	0°♎	
	-375 Dec 03 j 22:42	0°♏	
	-375 Dec 28 j 10:35	0°♐	
	-374 Jan 21 j 18:51	0°♑	
desc. node	-374 Jan 24 j 13:51	3°♑26'37	
	-374 Feb 15 j 02:42	0°♒	
	-374 Mar 11 j 11:15	0°♓	
morning set	-374 Apr 03 j 06:47	28°♓03'08	
	-374 Apr 04 j 20:51	0°♈	
	-374 Apr 29 j 07:13	0°♉	
superior conj	-374 May 10 j 02:57	13°♉16'55	0°-17'-47
minimum elong	-374 May 10 j 06:32	13°♉27'55	0°17'38
max. Earth dist.	-374 May 09 j 20:26	12°♉56'54	1.73660 AU
asc. node	-374 May 17 j 16:37	22°♉34'31	
	-374 May 23 j 17:43	0°♊	
evening rise	-374 Jun 15 j 03:02	27°♊30'37	
	-374 Jun 17 j 03:37	0°♋	
	-374 Jul 11 j 12:51	0°♌	
	-374 Aug 04 j 22:20	0°♍	
	-374 Aug 29 j 09:36	0°♎	
desc. node	-374 Sep 06 j 06:39	9°♎37'16	
	-374 Sep 23 j 00:32	0°♏	
	-374 Oct 17 j 22:00	0°♐	
	-374 Nov 12 j 08:54	0°♑	
	-374 Dec 09 j 05:56	0°♒	
evening max el	-374 Dec 15 j 22:45	6°♒59'04	47°06'53
asc. node	-374 Dec 28 j 09:14	19°♒03'47	
	-373 Jan 10 j 13:39	0°♓	
greatest brilliancy	-373 Jan 21 j 16:42	6°♓51'12	-4.6m
retrograde	-373 Feb 04 j 17:18	10°♓27'34	
evening set	-373 Feb 22 j 14:55	4°♓13'18	
inferior conj	-373 Feb 25 j 20:40	2°♓10'47	8°30'42
minimum elong	-373 Feb 25 j 23:14	2°♓06'42	8°30'37
min. Earth dist.	-373 Feb 25 j 08:55	2°♓29'27	0.28397 AU
morning rise	-373 Mar 01 j 07:49	0°♓00'39	
	-373 Mar 01 j 08:14	30°℞♒	
direct	-373 Mar 18 j 23:45	24°♒03'07	
greatest brilliancy	-373 Mar 30 j 05:02	26°♒20'22	-4.5m
	-373 Apr 06 j 17:42	0°♓	
desc. node	-373 Apr 18 j 23:06	8°♓24'05	
morning max el	-373 May 06 j 21:09	24°♓09'18	45°49'38
	-373 May 12 j 20:57	0°♈	
	-373 Jun 10 j 07:05	0°♉	
	-373 Jul 06 j 18:20	0°♊	
	-373 Aug 01 j 04:57	0°♋	
asc. node	-373 Aug 10 j 02:10	10°♋41'25	
	-373 Aug 25 j 22:47	0°♌	
	-373 Sep 19 j 04:51	0°♍	
	-373 Oct 13 j 03:47	0°♎	
morning set	-373 Nov 01 j 12:05	24°♎21'04	
	-373 Nov 05 j 23:40	0°♏	
desc. node	-373 Nov 29 j 16:10	29°♏50'19	
	-373 Nov 29 j 19:15	0°♐	
superior conj	-373 Dec 13 j 02:42	16°♐44'34	0°-31'-10
minimum elong	-373 Dec 12 j 18:41	16°♐19'24	0°30'49
max. Earth dist.	-373 Dec 16 j 05:29	20°♐39'29	1.71172 AU
	-373 Dec 23 j 16:03	0°♑	
	-372 Jan 16 j 14:57	0°♒	
evening rise	-372 Jan 23 j 13:42	8°♒40'21	
	-372 Feb 09 j 17:07	0°♓	
	-372 Mar 05 j 00:09	0°♈	
asc. node	-372 Mar 21 j 18:57	20°♈31'51	
	-372 Mar 29 j 13:56	0°♉	
	-372 Apr 23 j 12:40	0°♊	
	-372 May 18 j 23:54	0°♋	
	-372 Jun 14 j 07:36	0°♌	
desc. node	-372 Jul 11 j 08:48	28°♌56'17	
	-372 Jul 12 j 10:00	0°♍	
evening max el	-372 Jul 20 j 03:08	7°♍36'32	46°02'44
	-372 Aug 16 j 02:03	0°♎	
greatest brilliancy	-372 Aug 28 j 04:03	6°♎12'55	-4.6m
retrograde	-372 Sep 07 j 10:55	8°♎08'47	
evening set	-372 Sep 24 j 08:48	2°♎46'31	
inferior conj	-372 Sep 28 j 06:06	0°♎27'27	-7°-24'-56
minimum elong	-372 Sep 28 j 16:06	0°♎12'15	7°23'12
min. Earth dist.	-372 Sep 29 j 01:35	29°♍57'49	0.27046 AU
	-372 Sep 29 j 00:09	30°℞♍	
morning rise	-372 Oct 02 j 22:57	27°♍39'28	
direct	-372 Oct 18 j 22:48	22°♍39'45	
asc. node	-372 Nov 01 j 11:24	26°♍01'32	
greatest brilliancy	-372 Nov 01 j 11:55	26°♍02'08	-4.7m
	-372 Nov 08 j 13:42	0°♎	
morning max el	-372 Dec 08 j 17:30	26°♎11'28	46°55'52
	-372 Dec 12 j 09:59	0°♏	
	-371 Jan 08 j 15:20	0°♐	
	-371 Feb 03 j 08:52	0°♑	
desc. node	-371 Feb 21 j 01:47	21°♑03'16	
	-371 Feb 28 j 13:15	0°♒	
	-371 Mar 25 j 11:50	0°♓	
	-371 Apr 19 j 07:16	0°♈	
	-371 May 14 j 00:10	0°♉	
	-371 Jun 07 j 13:59	0°♊	
morning set	-371 Jun 09 j 22:26	2°♊52'53	
asc. node	-371 Jun 14 j 04:33	8°♊05'59	
	-371 Jul 01 j 23:54	0°♋	
max. Earth dist.	-371 Jul 12 j 11:38	12°♋57'16	1.72994 AU
superior conj	-371 Jul 16 j 04:53	17°♋33'27	1°06'08
minimum elong	-371 Jul 15 j 20:19	17°♋06'56	1°05'54
	-371 Jul 26 j 05:49	0°♌	
	-371 Aug 19 j 08:45	0°♍	
evening rise	-371 Aug 21 j 14:48	2°♍48'19	
	-371 Sep 12 j 10:23	0°♎	
desc. node	-371 Oct 03 j 18:32	26°♎35'17	
	-371 Oct 06 j 12:18	0°♏	
	-371 Oct 30 j 15:40	0°♐	
	-371 Nov 23 j 22:07	0°♑	
	-371 Dec 18 j 11:21	0°♒	
	-370 Jan 12 j 15:27	0°♓	
asc. node	-370 Jan 24 j 21:07	14°♓06'27	
	-370 Feb 08 j 04:34	0°♈	
evening max el	-370 Feb 25 j 00:03	17°♈25'23	45°52'39
	-370 Mar 10 j 14:52	0°♉	
greatest brilliancy	-370 Mar 31 j 08:43	14°♉22'10	-4.5m
retrograde	-370 Apr 15 j 03:51	18°♉13'26	
evening set	-370 Apr 30 j 14:40	13°♉35'56	
inferior conj	-370 May 06 j 14:55	9°♉58'16	2°16'06
minimum elong	-370 May 06 j 19:43	9°♉50'44	2°14'45
min. Earth dist.	-370 May 06 j 21:40	9°♉47'41	0.29024 AU
morning rise	-370 May 13 j 00:41	6°♉06'42	
desc. node	-370 May 16 j 11:03	4°♉22'38	
direct	-370 May 28 j 06:11	1°♉38'00	
greatest brilliancy	-370 Jun 10 j 23:00	4°♉53'41	-4.5m
	-370 Jul 14 j 14:04	0°♊	
morning max el	-370 Jul 16 j 04:26	1°♊31'22	45°52'46
	-370 Aug 12 j 14:35	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	-370 Sep 06 j 14:01	28°♋28'33		
	-370 Sep 07 j 21:11	0°♌		
	-370 Oct 02 j 21:31	0°♍		
	-370 Oct 27 j 05:53	0°♎		
	-370 Nov 20 j 06:45	0°♏		
	-370 Dec 14 j 05:17	0°♐		
desc. node	-370 Dec 27 j 04:07	16°♐13'37		
	-369 Jan 07 j 04:16	0°♑		
morning set	-369 Jan 17 j 19:32	13°♑17'26		
	-369 Jan 31 j 04:57	0°♒		
	-369 Feb 24 j 08:01	0°♓		
superior conj	-369 Feb 27 j 02:41	3°♓26'43	-1°-24'-16	
minimum elong	-369 Feb 27 j 05:46	3°♓36'18	1°24'17	
max. Earth dist.	-369 Mar 02 j 14:05	7°♓45'11	1.72620 AU	
	-369 Mar 20 j 13:57	0°♈		
evening rise	-369 Apr 06 j 12:26	20°♈51'35		
	-369 Apr 13 j 23:05	0°♉		
asc. node	-369 Apr 19 j 06:49	6°♉31'35		
	-369 May 08 j 11:30	0°♊		
	-369 Jun 02 j 03:25	0°♋		
	-369 Jun 26 j 23:54	0°♌		
	-369 Jul 22 j 03:32	0°♍		
desc. node	-369 Aug 08 j 20:43	20°♍48'00		
	-369 Aug 16 j 19:20	0°♎		
	-369 Sep 12 j 10:29	0°♏		
evening max el	-369 Oct 02 j 15:54	21°♏17'39	47°15'29	
	-369 Oct 11 j 15:26	0°♐		
greatest brilliancy	-369 Nov 10 j 08:50	21°♐42'24	-4.7m	
retrograde	-369 Nov 22 j 09:17	24°♐25'14		
asc. node	-369 Nov 29 j 23:25	23°♐12'55		
evening set	-369 Dec 06 j 19:58	20°♐12'32		
min. Earth dist.	-369 Dec 12 j 04:54	17°♐03'11	0.26547 AU	
inferior conj	-369 Dec 12 j 22:42	16°♐35'53	3°16'31	
minimum elong	-369 Dec 12 j 15:46	16°♐46'32	3°14'26	
morning rise	-369 Dec 18 j 12:09	13°♐19'02		
direct	-368 Jan 02 j 06:37	8°♐58'07		
greatest brilliancy	-368 Jan 13 j 06:52	11°♐15'13	-4.6m	
	-368 Feb 09 j 13:33	0°♑		
morning max el	-368 Feb 21 j 04:02	10°♑55'49	46°27'37	
	-368 Mar 10 j 14:42	0°♒		
desc. node	-368 Mar 20 j 13:32	10°♒50'10		
	-368 Apr 06 j 15:41	0°♓		
	-368 May 02 j 15:11	0°♈		
	-368 May 28 j 01:16	0°♉		
	-368 Jun 22 j 01:37	0°♊		
asc. node	-368 Jul 11 j 16:22	23°♊50'14		
	-368 Jul 16 j 17:13	0°♋		
	-368 Aug 10 j 00:57	0°♌		
morning set	-368 Aug 17 j 05:55	8°♌57'24		
	-368 Sep 03 j 02:33	0°♍		
max. Earth dist.	-368 Sep 21 j 18:35	23°♍24'35	1.71434 AU	
superior conj	-368 Sep 24 j 01:22	26°♍16'35	1°13'15	
minimum elong	-368 Sep 24 j 10:23	26°♍44'54	1°13'02	
	-368 Sep 27 j 00:30	0°♎		
	-368 Oct 20 j 21:11	0°♏		
desc. node	-368 Oct 31 j 06:28	13°♏03'14		
evening rise	-368 Nov 03 j 12:52	17°♏09'31		
	-368 Nov 13 j 18:17	0°♐		
	-368 Dec 07 j 16:53	0°♑		
	-368 Dec 31 j 18:26	0°♒		
	-367 Jan 25 j 01:33	0°♓		
	-367 Feb 18 j 18:37	0°♈		
asc. node	-367 Feb 21 j 09:01	3°♈06'50		
	-367 Mar 16 j 04:35	0°♉		
	-367 Apr 11 j 20:45	0°♊		
evening max el	-367 May 06 j 17:23	25°♊32'05	45°16'47	
	-367 May 11 j 11:52	0°♋		
greatest brilliancy	-367 Jun 11 j 03:18	21°♋59'11	-4.5m	
desc. node	-367 Jun 12 j 23:05	22°♋43'14		
retrograde	-367 Jun 24 j 03:21	24°♋55'39		
evening set	-367 Jul 10 j 06:06	20°♋02'07		
inferior conj	-367 Jul 15 j 11:48	16°♋53'34	-6°-43'-4	
minimum elong	-367 Jul 15 j 01:51	17°♋08'58	6°41'13	
min. Earth dist.	-367 Jul 15 j 16:46	16°♋45'51	0.28616 AU	
morning rise	-367 Jul 19 j 21:21	14°♋13'16		
direct	-367 Aug 06 j 01:32	8°♋41'38		
greatest brilliancy	-367 Aug 20 j 10:49	12°♋20'44	-4.6m	
	-367 Sep 14 j 00:26	0°♌		
morning max el	-367 Sep 25 j 01:06	10°♌30'25	46°31'11	
asc. node	-367 Oct 04 j 01:44	19°♌48'15		
	-367 Oct 13 j 11:46	0°♍		
	-367 Nov 08 j 13:52	0°♎		
	-367 Dec 03 j 11:47	0°♏		
	-367 Dec 27 j 22:54	0°♐		
	-366 Jan 21 j 06:41	0°♑		
desc. node	-366 Jan 23 j 15:55	2°♑56'38		
	-366 Feb 14 j 14:11	0°♒		
	-366 Mar 10 j 22:28	0°♓		
morning set	-366 Mar 31 j 23:21	25°♓52'42		
	-366 Apr 04 j 07:52	0°♈		
	-366 Apr 28 j 18:07	0°♉		
superior conj	-366 May 07 j 20:57	11°♉11'27	0°-20'-52	
minimum elong	-366 May 08 j 01:08	11°♉24'17	0°20'41	
max. Earth dist.	-366 May 07 j 17:04	10°♉59'32	1.73650 AU	
asc. node	-366 May 16 j 18:47	22°♉07'44		
	-366 May 23 j 04:36	0°♊		
evening rise	-366 Jun 12 j 22:04	25°♊27'51		
	-366 Jun 16 j 14:36	0°♋		
	-366 Jul 11 j 00:04	0°♌		
	-366 Aug 04 j 09:53	0°♍		
	-366 Aug 28 j 21:40	0°♎		
desc. node	-366 Sep 05 j 08:37	9°♎05'49		
	-366 Sep 22 j 13:19	0°♏		
	-366 Oct 17 j 11:50	0°♐		
	-366 Nov 12 j 00:35	0°♑		
	-366 Dec 09 j 02:07	0°♒		
evening max el	-366 Dec 13 j 12:51	4°♒36'31	47°08'52	
asc. node	-366 Dec 27 j 11:20	18°♒03'56		
	-365 Jan 11 j 11:40	0°♓		
greatest brilliancy	-365 Jan 19 j 10:39	4°♓37'21	-4.6m	
retrograde	-365 Feb 02 j 08:44	8°♓11'38		
evening set	-365 Feb 20 j 07:06	1°♓57'12		
min. Earth dist.	-365 Feb 22 j 23:53	0°♓15'19	0.28347 AU	
	-365 Feb 23 j 09:30	30°℞♒		
inferior conj	-365 Feb 23 j 12:22	29°♒55'26	8°33'34	
minimum elong	-365 Feb 23 j 14:10	29°♒52'35	8°33'31	
morning rise	-365 Feb 26 j 21:28	27°♒48'19		
direct	-365 Mar 16 j 14:20	21°♒48'36		
greatest brilliancy	-365 Mar 27 j 18:54	24°♒04'44	-4.5m	
	-365 Apr 08 j 00:24	0°♓		
desc. node	-365 Apr 18 j 01:17	7°♓19'55		
morning max el	-365 May 04 j 11:23	21°♓53'48	45°50'17	
	-365 May 12 j 17:20	0°♈		
	-365 Jun 09 j 22:18	0°♉		
	-365 Jul 06 j 07:32	0°♊		
	-365 Jul 31 j 17:10	0°♋		
asc. node	-365 Aug 09 j 04:12	10°♋11'19		
	-365 Aug 25 j 10:28	0°♌		
	-365 Sep 18 j 16:17	0°♍		
	-365 Oct 12 j 15:07	0°♎		
morning set	-365 Oct 29 j 23:18	21°♎49'33		

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

	-365 Nov 05 j 10:58	0°♏	
desc. node	-365 Nov 28 j 18:20	29°♏21'37	
	-365 Nov 29 j 06:32	0°♐	
superior conj	-365 Dec 10 j 12:03	14°♐07'48	0°-27'-23
minimum elong	-365 Dec 10 j 04:54	13°♐45'18	0°27'04
max. Earth dist.	-365 Dec 13 j 07:32	17°♐39'50	1.71139 AU
	-365 Dec 23 j 03:17	0°♑	
	-364 Jan 16 j 02:09	0°♒	
evening rise	-364 Jan 21 j 00:57	6°♒10'49	
	-364 Feb 09 j 04:19	0°♓	
	-364 Mar 04 j 11:29	0°♈	
asc. node	-364 Mar 20 j 21:00	20°♈03'03	
	-364 Mar 29 j 01:34	0°♉	
	-364 Apr 23 j 00:54	0°♊	
	-364 May 18 j 13:15	0°♋	
	-364 Jun 13 j 23:11	0°♌	
desc. node	-364 Jul 10 j 10:53	28°♌08'57	
	-364 Jul 12 j 07:18	0°♍	
evening max el	-364 Jul 17 j 15:44	5°♍14'11	46°00'11
	-364 Aug 17 j 13:20	0°♎	
greatest brilliancy	-364 Aug 25 j 15:05	3°♎46'54	-4.6m
retrograde	-364 Sep 04 j 23:29	5°♎44'10	
evening set	-364 Sep 22 j 00:30	0°♎16'37	
	-364 Sep 22 j 11:59	30°℞♍	
inferior conj	-364 Sep 25 j 18:53	28°♍01'55	-7°-37'-5
minimum elong	-364 Sep 26 j 04:29	27°♍47'19	7°35'32
min. Earth dist.	-364 Sep 26 j 14:36	27°♍31'58	0.27112 AU
morning rise	-364 Sep 30 j 08:03	25°♍19'22	
direct	-364 Oct 16 j 12:18	20°♍12'58	
greatest brilliancy	-364 Oct 30 j 04:12	23°♍38'51	-4.7m
asc. node	-364 Oct 31 j 13:39	24°♍19'55	
	-364 Nov 09 j 17:38	0°♎	
morning max el	-364 Dec 06 j 07:58	23°♎46'58	46°56'05
	-364 Dec 12 j 07:23	0°♏	
	-363 Jan 08 j 07:30	0°♐	
	-363 Feb 02 j 22:49	0°♑	
desc. node	-363 Feb 20 j 03:45	20°♑30'08	
	-363 Feb 28 j 01:58	0°♒	
	-363 Mar 24 j 23:47	0°♓	
	-363 Apr 18 j 18:45	0°♈	
	-363 May 13 j 11:20	0°♉	
	-363 Jun 07 j 00:58	0°♊	
morning set	-363 Jun 07 j 17:03	0°♊49'14	
asc. node	-363 Jun 13 j 06:38	7°♊38'41	
	-363 Jul 01 j 10:50	0°♋	
max. Earth dist.	-363 Jul 10 j 09:15	11°♋01'51	1.73042 AU
superior conj	-363 Jul 13 j 23:05	15°♋27'17	1°04'08
minimum elong	-363 Jul 13 j 14:25	15°♋00'30	1°03'51
	-363 Jul 25 j 16:48	0°♌	
	-363 Aug 18 j 19:52	0°♍	
evening rise	-363 Aug 19 j 06:58	0°♍34'32	
	-363 Sep 11 j 21:44	0°♎	
desc. node	-363 Oct 02 j 20:38	26°♎05'47	
	-363 Oct 05 j 23:55	0°♏	
	-363 Oct 30 j 03:38	0°♐	
	-363 Nov 23 j 10:33	0°♑	
	-363 Dec 18 j 00:30	0°♒	
	-362 Jan 12 j 05:56	0°♓	
asc. node	-362 Jan 23 j 23:09	13°♓28'14	
	-362 Feb 07 j 22:12	0°♈	
evening max el	-362 Feb 22 j 16:12	15°♈13'32	45°55'16
	-362 Mar 10 j 21:22	0°♉	
greatest brilliancy	-362 Mar 29 j 00:55	12°♉13'15	-4.5m
retrograde	-362 Apr 12 j 21:21	16°♉05'35	
evening set	-362 Apr 28 j 09:13	11°♉25'22	
inferior conj	-362 May 04 j 07:40	7°♉49'53	2°34'41
minimum elong	-362 May 04 j 13:04	7°♉41'25	2°33'12
min. Earth dist.	-362 May 04 j 13:58	7°♉39'59	0.29024 AU
morning rise	-362 May 10 j 16:56	3°♉59'13	
desc. node	-362 May 15 j 13:10	1°♉38'42	
	-362 May 20 j 22:04	30°℞♈	
direct	-362 May 25 j 23:11	29°♈29'42	
	-362 May 31 j 03:37	0°♉	
greatest brilliancy	-362 Jun 08 j 14:10	2°♉44'04	-4.5m
morning max el	-362 Jul 13 j 21:33	29°♉23'55	45°51'47
	-362 Jul 14 j 12:35	0°♊	
	-362 Aug 12 j 06:24	0°♋	
asc. node	-362 Sep 05 j 16:05	27°♋54'30	
	-362 Sep 07 j 10:45	0°♌	
	-362 Oct 02 j 10:04	0°♍	
	-362 Oct 26 j 17:54	0°♎	
	-362 Nov 19 j 18:27	0°♏	
	-362 Dec 13 j 16:47	0°♐	
desc. node	-362 Dec 26 j 06:05	15°♐43'57	
	-361 Jan 06 j 15:37	0°♑	
morning set	-361 Jan 15 j 05:49	10°♑44'21	
	-361 Jan 30 j 16:11	0°♒	
	-361 Feb 23 j 19:07	0°♓	
superior conj	-361 Feb 24 j 16:23	1°♓05'56	-1°-24'-45
minimum elong	-361 Feb 24 j 18:37	1°♓12'52	1°24'45
max. Earth dist.	-361 Feb 28 j 06:29	5°♓32'54	1.72564 AU
	-361 Mar 20 j 00:59	0°♈	
evening rise	-361 Apr 04 j 04:51	18°♈40'43	
	-361 Apr 13 j 10:06	0°♉	
asc. node	-361 Apr 18 j 09:01	6°♉04'31	
	-361 May 07 j 22:39	0°♊	
	-361 Jun 01 j 14:55	0°♋	
	-361 Jun 26 j 12:01	0°♌	
	-361 Jul 21 j 16:39	0°♍	
desc. node	-361 Aug 07 j 22:39	20°♍12'32	
	-361 Aug 16 j 10:09	0°♎	
	-361 Sep 12 j 04:46	0°♏	
evening max el	-361 Sep 30 j 06:44	18°♏55'38	47°13'46
	-361 Oct 11 j 20:27	0°♐	
greatest brilliancy	-361 Nov 07 j 23:42	19°♐14'59	-4.7m
retrograde	-361 Nov 19 j 22:22	21°♐54'57	
asc. node	-361 Nov 29 j 01:28	20°♐10'57	
evening set	-361 Dec 04 j 07:27	17°♐44'44	
inferior conj	-361 Dec 10 j 11:05	14°♐06'43	2°53'55
minimum elong	-361 Dec 10 j 04:51	14°♐16'18	2°52'00
min. Earth dist.	-361 Dec 09 j 18:20	14°♐32'27	0.26507 AU
morning rise	-361 Dec 16 j 02:54	10°♐46'48	
direct	-361 Dec 30 j 19:14	6°♐29'52	
greatest brilliancy	-360 Jan 10 j 19:41	8°♐47'17	-4.6m
	-360 Feb 09 j 18:41	0°♑	
morning max el	-360 Feb 18 j 17:12	8°♑32'04	46°29'02
	-360 Mar 10 j 08:41	0°♒	
desc. node	-360 Mar 19 j 15:39	10°♒10'40	
	-360 Apr 06 j 06:13	0°♓	
	-360 May 02 j 04:04	0°♈	
	-360 May 27 j 13:12	0°♉	
	-360 Jun 21 j 13:00	0°♊	
asc. node	-360 Jul 10 j 18:24	23°♊22'22	
	-360 Jul 16 j 04:19	0°♋	
	-360 Aug 09 j 11:56	0°♌	
morning set	-360 Aug 14 j 22:09	6°♌44'30	
	-360 Sep 02 j 13:32	0°♍	
max. Earth dist.	-360 Sep 19 j 01:40	20°♍41'33	1.71483 AU
superior conj	-360 Sep 21 j 15:09	23°♍54'29	1°14'59
minimum elong	-360 Sep 21 j 23:39	24°♍21'10	1°14'48

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

	-360 Sep 26 j 11:34	0°♎	
	-360 Oct 20 j 08:22	0°♏	
desc. node	-360 Oct 30 j 08:37	12°♏34'42	
evening rise	-360 Oct 31 j 22:55	14°♏34'58	
	-360 Nov 13 j 05:35	0°♐	
	-360 Dec 07 j 04:19	0°♑	
	-360 Dec 31 j 06:03	0°♒	
	-359 Jan 24 j 13:28	0°♓	
	-359 Feb 18 j 07:07	0°♈	
asc. node	-359 Feb 20 j 11:06	2°♈35'30	
	-359 Mar 15 j 18:16	0°♉	
	-359 Apr 11 j 13:12	0°♊	
evening max el	-359 May 04 j 08:21	23°♊19'15	45°16'46
	-359 May 11 j 13:20	0°♋	
greatest brilliancy	-359 Jun 08 j 16:58	19°♋46'21	-4.5m
desc. node	-359 Jun 12 j 01:06	21°♋03'14	
retrograde	-359 Jun 21 j 18:11	22°♋44'47	
evening set	-359 Jul 07 j 18:44	17°♋55'10	
inferior conj	-359 Jul 13 j 03:32	14°♋42'20	-6°-29'-43
minimum elong	-359 Jul 12 j 17:29	14°♋57'53	6°27'45
min. Earth dist.	-359 Jul 13 j 08:33	14°♋34'33	0.28643 AU
morning rise	-359 Jul 17 j 15:54	11°♋57'39	
direct	-359 Aug 03 j 17:04	6°♋29'52	
greatest brilliancy	-359 Aug 18 j 02:30	10°♋08'01	-4.6m
	-359 Sep 14 j 03:10	0°♌	
morning max el	-359 Sep 22 j 14:45	8°♌09'48	46°29'38
asc. node	-359 Oct 03 j 03:59	19°♌03'45	
	-359 Oct 13 j 04:52	0°♍	
	-359 Nov 08 j 04:09	0°♎	
	-359 Dec 03 j 00:49	0°♏	
	-359 Dec 27 j 11:13	0°♐	
	-358 Jan 20 j 18:31	0°♑	
desc. node	-358 Jan 22 j 17:58	2°♑26'36	
	-358 Feb 14 j 01:37	0°♒	
	-358 Mar 10 j 09:37	0°♓	
morning set	-358 Mar 29 j 15:37	23°♓41'27	
	-358 Apr 03 j 18:47	0°♈	
	-358 Apr 28 j 04:56	0°♉	
superior conj	-358 May 05 j 14:57	9°♉06'17	0°-23'-55
minimum elong	-358 May 05 j 19:43	9°♉20'54	0°23'42
max. Earth dist.	-358 May 05 j 12:19	8°♉58'13	1.73638 AU
asc. node	-358 May 15 j 20:51	21°♉40'58	
	-358 May 22 j 15:23	0°♊	
evening rise	-358 Jun 10 j 17:17	23°♊26'11	
	-358 Jun 16 j 01:27	0°♋	
	-358 Jul 10 j 11:06	0°♌	
	-358 Aug 03 j 21:15	0°♍	
	-358 Aug 28 j 09:32	0°♎	
desc. node	-358 Sep 04 j 10:48	8°♎35'46	
	-358 Sep 22 j 01:57	0°♏	
	-358 Oct 17 j 01:37	0°♐	
	-358 Nov 11 j 16:25	0°♑	
	-358 Dec 08 j 23:00	0°♒	
evening max el	-358 Dec 11 j 02:33	2°♒12'40	47°10'39
asc. node	-358 Dec 26 j 13:21	17°♒02'07	
	-357 Jan 12 j 18:40	0°♓	
greatest brilliancy	-357 Jan 17 j 03:39	2°♓21'16	-4.6m
retrograde	-357 Jan 31 j 00:06	5°♓54'33	
	-357 Feb 17 j 09:37	30°℞♒	
evening set	-357 Feb 17 j 22:31	29°♒40'17	
min. Earth dist.	-357 Feb 20 j 14:28	27°♒59'54	0.28294 AU
inferior conj	-357 Feb 21 j 03:42	27°♒38'53	8°35'35
minimum elong	-357 Feb 21 j 04:42	27°♒37'17	8°35'34
morning rise	-357 Feb 24 j 11:06	25°♒34'27	
direct	-357 Mar 14 j 04:18	19°♒32'48	
greatest brilliancy	-357 Mar 25 j 08:52	21°♒48'42	-4.5m

	-357 Apr 08 j 22:43	0°♓	
desc. node	-357 Apr 17 j 03:26	6°♓17'18	
morning max el	-357 May 02 j 02:00	19°♓39'21	45°51'10
	-357 May 12 j 12:57	0°♈	
	-357 Jun 09 j 13:08	0°♉	
	-357 Jul 05 j 20:25	0°♊	
	-357 Jul 31 j 05:04	0°♋	
asc. node	-357 Aug 08 j 06:16	9°♋42'14	
	-357 Aug 24 j 21:51	0°♌	
	-357 Sep 18 j 03:23	0°♍	
	-357 Oct 12 j 02:07	0°♎	
morning set	-357 Oct 27 j 11:06	19°♎20'55	
	-357 Nov 04 j 21:57	0°♏	
desc. node	-357 Nov 27 j 20:21	28°♏53'19	
	-357 Nov 28 j 17:32	0°♐	
superior conj	-357 Dec 07 j 21:23	11°♐31'41	0°-23'-32
minimum elong	-357 Dec 07 j 15:09	11°♐12'03	0°23'16
max. Earth dist.	-357 Dec 10 j 11:20	14°♐46'26	1.71120 AU
	-357 Dec 22 j 14:17	0°♑	
	-356 Jan 15 j 13:09	0°♒	
evening rise	-356 Jan 18 j 11:46	3°♒40'24	
	-356 Feb 08 j 15:23	0°♓	
	-356 Mar 03 j 22:40	0°♈	
asc. node	-356 Mar 19 j 23:11	19°♈35'11	
	-356 Mar 28 j 13:03	0°♉	
	-356 Apr 22 j 12:58	0°♊	
	-356 May 18 j 02:28	0°♋	
	-356 Jun 13 j 14:46	0°♌	
desc. node	-356 Jul 09 j 12:54	27°♌21'33	
	-356 Jul 12 j 05:01	0°♍	
evening max el	-356 Jul 15 j 05:30	2°♍55'50	45°57'50
	-356 Aug 19 j 17:16	0°♎	
greatest brilliancy	-356 Aug 23 j 01:41	1°♎22'14	-4.6m
retrograde	-356 Sep 02 j 12:39	3°♎21'21	
	-356 Sep 15 j 14:50	30°℞♍	
evening set	-356 Sep 19 j 16:21	27°♍48'50	
inferior conj	-356 Sep 23 j 07:49	25°♍38'17	-7°-48'-22
minimum elong	-356 Sep 23 j 16:59	25°♍24'22	7°46'59
min. Earth dist.	-356 Sep 24 j 03:22	25°♍08'38	0.27173 AU
morning rise	-356 Sep 27 j 17:17	23°♍01'13	
direct	-356 Oct 14 j 02:23	17°♍48'25	
greatest brilliancy	-356 Oct 27 j 19:17	21°♍16'04	-4.7m
asc. node	-356 Oct 30 j 15:37	22°♍43'29	
	-356 Nov 10 j 13:14	0°♎	
morning max el	-356 Dec 03 j 23:00	21°♎25'34	46°56'03
	-356 Dec 12 j 03:32	0°♏	
	-355 Jan 07 j 22:59	0°♐	
	-355 Feb 02 j 12:20	0°♑	
desc. node	-355 Feb 19 j 05:53	19°♑58'23	
	-355 Feb 27 j 14:24	0°♒	
	-355 Mar 24 j 11:31	0°♓	
	-355 Apr 18 j 06:00	0°♈	
	-355 May 12 j 22:15	0°♉	
morning set	-355 Jun 05 j 11:18	28°♉45'21	
	-355 Jun 06 j 11:41	0°♊	
asc. node	-355 Jun 12 j 08:37	7°♊11'58	
	-355 Jun 30 j 21:28	0°♋	
max. Earth dist.	-355 Jul 08 j 05:46	9°♋03'59	1.73086 AU
superior conj	-355 Jul 11 j 17:03	13°♋21'24	1°02'01
minimum elong	-355 Jul 11 j 08:20	12°♋54'28	1°01'44
	-355 Jul 25 j 03:29	0°♌	
evening rise	-355 Aug 16 j 23:12	28°♌21'54	
	-355 Aug 18 j 06:43	0°♍	
	-355 Sep 11 j 08:47	0°♎	
desc. node	-355 Oct 01 j 22:45	25°♎37'25	

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

	-355 Oct 05 j 11:13	0°♏	
	-355 Oct 29 j 15:14	0°♐	
	-355 Nov 22 j 22:35	0°♑	
	-355 Dec 17 j 13:16	0°♒	
	-354 Jan 11 j 20:08	0°♓	
asc. node	-354 Jan 23 j 01:13	12°♓50'51	
	-354 Feb 07 j 15:54	0°♈	
evening max el	-354 Feb 20 j 08:42	13°♈03'06	45°57'35
	-354 Mar 11 j 06:10	0°♉	
greatest brilliancy	-354 Mar 26 j 18:09	10°♉05'43	-4.5m
retrograde	-354 Apr 10 j 14:18	13°♉57'12	
evening set	-354 Apr 26 j 03:39	9°♉14'28	
inferior conj	-354 May 02 j 00:09	5°♉41'13	2°53'19
minimum elong	-354 May 02 j 06:07	5°♉31'51	2°51'40
min. Earth dist.	-354 May 02 j 06:05	5°♉31'53	0.29023 AU
morning rise	-354 May 08 j 08:42	1°♉51'30	
	-354 May 12 j 01:45	30°℞♈	
desc. node	-354 May 14 j 15:07	28°♈58'24	
direct	-354 May 23 j 16:01	27°♈21'17	
	-354 Jun 04 j 21:09	0°♉	
greatest brilliancy	-354 Jun 06 j 03:58	0°♉32'50	-4.5m
morning max el	-354 Jul 11 j 13:54	27°♉15'15	45°50'52
	-354 Jul 14 j 10:01	0°♊	
	-354 Aug 11 j 21:42	0°♋	
asc. node	-354 Sep 04 j 18:15	27°♋21'51	
	-354 Sep 06 j 23:54	0°♌	
	-354 Oct 01 j 22:15	0°♍	
	-354 Oct 26 j 05:34	0°♎	
	-354 Nov 19 j 05:48	0°♏	
	-354 Dec 13 j 03:55	0°♐	
desc. node	-354 Dec 25 j 08:10	15°♐15'53	
	-353 Jan 06 j 02:34	0°♑	
morning set	-353 Jan 12 j 16:29	8°♑13'41	
	-353 Jan 30 j 03:00	0°♒	
superior conj	-353 Feb 22 j 06:07	28°♒46'18	-1°-25'-4
minimum elong	-353 Feb 22 j 07:28	28°♒50'30	1°25'05
	-353 Feb 23 j 05:52	0°♓	
max. Earth dist.	-353 Feb 26 j 00:26	3°♓26'28	1.72513 AU
	-353 Mar 19 j 11:41	0°♈	
evening rise	-353 Apr 01 j 21:00	16°♈29'47	
	-353 Apr 12 j 20:52	0°♉	
asc. node	-353 Apr 17 j 11:01	5°♉37'34	
	-353 May 07 j 09:35	0°♊	
	-353 Jun 01 j 02:13	0°♋	
	-353 Jun 25 j 23:56	0°♌	
	-353 Jul 21 j 05:36	0°♍	
desc. node	-353 Aug 07 j 00:50	19°♍38'15	
	-353 Aug 16 j 00:54	0°♎	
	-353 Sep 11 j 23:13	0°♏	
evening max el	-353 Sep 27 j 20:54	16°♏32'48	47°11'58
	-353 Oct 12 j 03:10	0°♐	
greatest brilliancy	-353 Nov 05 j 15:28	16°♐49'25	-4.7m
retrograde	-353 Nov 17 j 10:51	19°♐25'30	
asc. node	-353 Nov 28 j 03:30	17°♐04'26	
evening set	-353 Dec 01 j 19:09	15°♐17'32	
inferior conj	-353 Dec 07 j 23:30	11°♐38'38	2°30'48
minimum elong	-353 Dec 07 j 18:01	11°♐47'04	2°29'06
min. Earth dist.	-353 Dec 07 j 08:13	12°♐02'08	0.26466 AU
morning rise	-353 Dec 13 j 17:27	8°♐15'40	
direct	-353 Dec 28 j 07:22	4°♐02'34	
greatest brilliancy	-352 Jan 08 j 09:08	6°♐20'58	-4.6m
	-352 Feb 09 j 21:32	0°♑	
morning max el	-352 Feb 16 j 05:31	6°♑07'11	46°30'32
	-352 Mar 10 j 01:52	0°♒	
desc. node	-352 Mar 18 j 17:49	9°♒32'48	
	-352 Apr 05 j 20:14	0°♓	
	-352 May 01 j 16:35	0°♈	
	-352 May 27 j 00:53	0°♉	
	-352 Jun 21 j 00:11	0°♊	
asc. node	-352 Jul 09 j 20:32	22°♊55'19	
	-352 Jul 15 j 15:14	0°♋	
	-352 Aug 08 j 22:44	0°♌	
morning set	-352 Aug 12 j 14:09	4°♌31'26	
	-352 Sep 02 j 00:20	0°♍	
max. Earth dist.	-352 Sep 16 j 10:35	18°♍04'54	1.71532 AU
superior conj	-352 Sep 19 j 04:54	21°♍32'58	1°16'35
minimum elong	-352 Sep 19 j 12:49	21°♍57'49	1°16'25
	-352 Sep 25 j 22:26	0°♎	
	-352 Oct 19 j 19:21	0°♏	
evening rise	-352 Oct 29 j 09:05	12°♏01'27	
desc. node	-352 Oct 29 j 10:35	12°♏06'09	
	-352 Nov 12 j 16:43	0°♐	
	-352 Dec 06 j 15:35	0°♑	
	-352 Dec 30 j 17:28	0°♒	
	-351 Jan 24 j 01:10	0°♓	
	-351 Feb 17 j 19:23	0°♈	
asc. node	-351 Feb 19 j 13:16	2°♈05'08	
	-351 Mar 15 j 07:48	0°♉	
	-351 Apr 11 j 05:41	0°♊	
evening max el	-351 May 01 j 22:51	21°♊05'51	45°16'40
	-351 May 11 j 16:07	0°♋	
greatest brilliancy	-351 Jun 06 j 05:23	17°♋32'04	-4.5m
desc. node	-351 Jun 11 j 03:10	19°♋19'29	
retrograde	-351 Jun 19 j 09:09	20°♋33'58	
evening set	-351 Jul 05 j 07:18	15°♋47'42	
inferior conj	-351 Jul 10 j 19:07	12°♋30'53	-6°-15'-34
minimum elong	-351 Jul 10 j 09:03	12°♋46'27	6°13'31
min. Earth dist.	-351 Jul 11 j 00:13	12°♋22'58	0.28675 AU
morning rise	-351 Jul 15 j 10:23	9°♋41'54	
direct	-351 Aug 01 j 08:23	4°♋17'39	
greatest brilliancy	-351 Aug 15 j 19:18	7°♋56'41	-4.5m
	-351 Sep 14 j 04:30	0°♌	
morning max el	-351 Sep 20 j 05:02	5°♌50'52	46°28'14
asc. node	-351 Oct 02 j 05:59	18°♌19'15	
	-351 Oct 12 j 21:35	0°♍	
	-351 Nov 07 j 18:13	0°♎	
	-351 Dec 02 j 13:39	0°♏	
	-351 Dec 26 j 23:22	0°♐	
	-350 Jan 20 j 06:12	0°♑	
desc. node	-350 Jan 21 j 20:05	1°♑57'05	
	-350 Feb 13 j 12:56	0°♒	
	-350 Mar 09 j 20:37	0°♓	
morning set	-350 Mar 27 j 07:58	21°♓30'47	
	-350 Apr 03 j 05:35	0°♈	
	-350 Apr 27 j 15:38	0°♉	
superior conj	-350 May 03 j 09:06	7°♉01'57	0°-26'-56
minimum elong	-350 May 03 j 14:25	7°♉18'16	0°26'41
max. Earth dist.	-350 May 03 j 08:33	7°♉00'16	1.73628 AU
asc. node	-350 May 14 j 22:51	21°♉14'22	
	-350 May 22 j 02:05	0°♊	
evening rise	-350 Jun 08 j 12:39	21°♊25'08	
	-350 Jun 15 j 12:17	0°♋	
	-350 Jul 09 j 22:10	0°♌	
	-350 Aug 03 j 08:42	0°♍	
	-350 Aug 27 j 21:32	0°♎	
desc. node	-350 Sep 03 j 12:51	8°♎04'59	
	-350 Sep 21 j 14:43	0°♏	
	-350 Oct 16 j 15:34	0°♐	
	-350 Nov 11 j 08:31	0°♑	
evening max el	-350 Dec 08 j 16:53	29°♑50'27	47°12'32
	-350 Dec 08 j 20:37	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	-350 Dec 25 j 15:30	15°♒59'00	
	-349 Jan 14 j 16:33	0°♓	
greatest brilliancy	-349 Jan 14 j 19:43	0°♓03'49	-4.6m
retrograde	-349 Jan 28 j 15:56	3°♓37'24	
	-349 Feb 11 j 00:05	30°℞♒	
evening set	-349 Feb 15 j 13:33	27°♒23'39	
min. Earth dist.	-349 Feb 18 j 04:48	25°♒44'37	0.28238 AU
inferior conj	-349 Feb 18 j 19:01	25°♒22'06	8°36'43
minimum elong	-349 Feb 18 j 19:13	25°♒21'46	8°36'44
morning rise	-349 Feb 22 j 01:05	23°♒19'56	
direct	-349 Mar 11 j 18:28	17°♒16'46	
greatest brilliancy	-349 Mar 22 j 22:38	19°♒32'27	-4.5m
	-349 Apr 09 j 15:13	0°♓	
desc. node	-349 Apr 16 j 05:21	5°♓15'47	
morning max el	-349 Apr 29 j 17:33	17°♓27'16	45°52'09
	-349 May 12 j 07:59	0°♈	
	-349 Jun 09 j 03:45	0°♉	
	-349 Jul 05 j 09:14	0°♊	
	-349 Jul 30 j 17:00	0°♋	
asc. node	-349 Aug 07 j 08:25	9°♋13'07	
	-349 Aug 24 j 09:20	0°♌	
	-349 Sep 17 j 14:40	0°♍	
	-349 Oct 11 j 13:20	0°♎	
morning set	-349 Oct 24 j 22:46	16°♎51'18	
	-349 Nov 04 j 09:08	0°♏	
desc. node	-349 Nov 26 j 22:25	28°♏24'42	
	-349 Nov 28 j 04:42	0°♐	
superior conj	-349 Dec 05 j 06:27	8°♐54'07	0°-19'-37
minimum elong	-349 Dec 05 j 01:11	8°♐37'33	0°19'23
max. Earth dist.	-349 Dec 07 j 18:15	12°♐02'13	1.71098 AU
	-349 Dec 22 j 01:25	0°♑	
	-348 Jan 15 j 00:18	0°♒	
evening rise	-348 Jan 15 j 22:30	1°♒09'18	
	-348 Feb 08 j 02:35	0°♓	
	-348 Mar 03 j 10:01	0°♈	
asc. node	-348 Mar 19 j 01:10	19°♈06'16	
	-348 Mar 28 j 00:42	0°♉	
	-348 Apr 22 j 01:12	0°♊	
	-348 May 17 j 15:53	0°♋	
	-348 Jun 13 j 06:41	0°♌	
desc. node	-348 Jul 08 j 15:03	26°♌33'19	
	-348 Jul 12 j 03:47	0°♍	
evening max el	-348 Jul 12 j 19:58	0°♍38'56	45°55'16
greatest brilliancy	-348 Aug 20 j 12:09	28°♍56'59	-4.6m
	-348 Aug 23 j 20:55	0°♎	
retrograde	-348 Aug 31 j 01:28	0°♎57'35	
	-348 Sep 06 j 23:57	30°℞♍	
evening set	-348 Sep 17 j 08:01	25°♍20'32	
inferior conj	-348 Sep 20 j 20:43	23°♍13'46	-7°-58'-39
minimum elong	-348 Sep 21 j 05:23	23°♍00'37	7°57'28
min. Earth dist.	-348 Sep 21 j 15:57	22°♍44'33	0.27239 AU
morning rise	-348 Sep 25 j 02:27	20°♍42'00	
direct	-348 Oct 11 j 16:48	15°♍23'02	
greatest brilliancy	-348 Oct 25 j 09:46	18°♍51'16	-4.7m
asc. node	-348 Oct 29 j 17:40	21°♍09'19	
	-348 Nov 11 j 04:27	0°♎	
morning max el	-348 Dec 01 j 13:41	19°♎02'03	46°55'57
	-348 Dec 11 j 23:32	0°♏	
	-347 Jan 07 j 14:38	0°♐	
	-347 Feb 02 j 02:02	0°♑	
desc. node	-347 Feb 18 j 08:01	19°♑25'55	
	-347 Feb 27 j 03:00	0°♒	
	-347 Mar 23 j 23:26	0°♓	
	-347 Apr 17 j 17:27	0°♈	
	-347 May 12 j 09:23	0°♉	
morning set	-347 Jun 03 j 05:59	26°♉42'07	
	-347 Jun 05 j 22:37	0°♊	
asc. node	-347 Jun 11 j 10:48	6°♊45'11	
	-347 Jun 30 j 08:20	0°♋	
max. Earth dist.	-347 Jul 06 j 01:33	7°♋03'17	1.73127 AU
superior conj	-347 Jul 09 j 11:32	11°♋16'32	0°59'50
minimum elong	-347 Jul 09 j 02:50	10°♋49'38	0°59'33
	-347 Jul 24 j 14:24	0°♌	
evening rise	-347 Aug 14 j 15:57	26°♌10'14	
	-347 Aug 17 j 17:48	0°♍	
	-347 Sep 10 j 20:07	0°♎	
desc. node	-347 Oct 01 j 00:44	25°♎07'33	
	-347 Oct 04 j 22:52	0°♏	
	-347 Oct 29 j 03:15	0°♐	
	-347 Nov 22 j 11:06	0°♑	
	-347 Dec 17 j 02:34	0°♒	
	-346 Jan 11 j 10:57	0°♓	
asc. node	-346 Jan 22 j 03:22	12°♓12'10	
	-346 Feb 07 j 10:26	0°♈	
evening max el	-346 Feb 18 j 00:50	10°♈50'31	46°00'06
	-346 Mar 11 j 18:36	0°♉	
greatest brilliancy	-346 Mar 24 j 12:11	7°♉58'24	-4.5m
retrograde	-346 Apr 08 j 06:56	11°♉48'17	
evening set	-346 Apr 23 j 22:23	7°♉03'00	
inferior conj	-346 Apr 29 j 16:50	3°♉32'12	3°11'34
minimum elong	-346 Apr 29 j 23:19	3°♉21'57	3°09'49
min. Earth dist.	-346 Apr 29 j 22:39	3°♉23'01	0.29016 AU
	-346 May 05 j 12:31	30°℞♈	
morning rise	-346 May 06 j 00:25	29°♈43'25	
desc. node	-346 May 13 j 17:17	26°♈21'50	
direct	-346 May 21 j 08:47	25°♈12'32	
greatest brilliancy	-346 Jun 03 j 17:24	28°♈20'26	-4.5m
	-346 Jun 07 j 03:48	0°♉	
morning max el	-346 Jul 09 j 05:40	25°♉04'29	45°50'07
	-346 Jul 14 j 06:59	0°♊	
	-346 Aug 11 j 13:02	0°♋	
asc. node	-346 Sep 03 j 20:15	26°♋48'08	
	-346 Sep 06 j 13:13	0°♌	
	-346 Oct 01 j 10:38	0°♍	
	-346 Oct 25 j 17:30	0°♎	
	-346 Nov 18 j 17:29	0°♏	
	-346 Dec 12 j 15:26	0°♐	
desc. node	-346 Dec 24 j 10:20	14°♐46'44	
	-345 Jan 05 j 13:58	0°♑	
morning set	-345 Jan 10 j 02:33	5°♑39'37	
	-345 Jan 29 j 14:17	0°♒	
superior conj	-345 Feb 19 j 19:19	26°♒23'36	-1°-25'-14
minimum elong	-345 Feb 19 j 19:46	26°♒25'01	1°25'15
	-345 Feb 22 j 17:02	0°♓	
max. Earth dist.	-345 Feb 23 j 17:35	1°♓16'10	1.72453 AU
	-345 Mar 18 j 22:47	0°♈	
evening rise	-345 Mar 30 j 12:46	14°♈16'29	
	-345 Apr 12 j 07:59	0°♉	
asc. node	-345 Apr 16 j 13:04	5°♉09'42	
	-345 May 06 j 20:54	0°♊	
	-345 May 31 j 13:54	0°♋	
	-345 Jun 25 j 12:15	0°♌	
	-345 Jul 20 j 18:57	0°♍	
desc. node	-345 Aug 06 j 02:55	19°♍02'43	
	-345 Aug 15 j 16:05	0°♎	
	-345 Sep 11 j 18:23	0°♏	
evening max el	-345 Sep 25 j 10:03	14°♏06'48	47°09'58
	-345 Oct 12 j 12:41	0°♐	
greatest brilliancy	-345 Nov 03 j 07:09	14°♐22'56	-4.7m
retrograde	-345 Nov 14 j 22:49	16°♐55'13	
asc. node	-345 Nov 27 j 05:39	13°♐51'42	

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

evening set	-345 Nov 29 j 07:02	12°♐48'49		
inferior conj	-345 Dec 05 j 11:56	9°♐09'34	2°07'22	
minimum elong	-345 Dec 05 j 07:14	9°♐16'47	2°05'53	
min. Earth dist.	-345 Dec 04 j 22:27	9°♐30'17	0.26437 AU	
morning rise	-345 Dec 11 j 07:52	5°♐43'42		
direct	-345 Dec 25 j 19:08	1°♐33'48		
greatest brilliancy	-344 Jan 05 j 23:58	3°♐54'42	-4.6m	
	-344 Feb 09 j 23:34	0°♑		
morning max el	-344 Feb 13 j 17:45	3°♑40'17	46°32'00	
	-344 Mar 09 j 19:14	0°♒		
desc. node	-344 Mar 17 j 19:46	8°♒53'11		
	-344 Apr 05 j 10:35	0°♓		
	-344 May 01 j 05:25	0°♈		
	-344 May 26 j 12:51	0°♉		
	-344 Jun 20 j 11:39	0°♊		
asc. node	-344 Jul 08 j 22:36	22°♊27'13		
	-344 Jul 15 j 02:27	0°♋		
	-344 Aug 08 j 09:50	0°♌		
morning set	-344 Aug 10 j 06:31	2°♌18'43		
	-344 Sep 01 j 11:25	0°♍		
max. Earth dist.	-344 Sep 13 j 22:23	15°♍36'32	1.71579 AU	
superior conj	-344 Sep 16 j 19:17	19°♍12'38	1°18'01	
minimum elong	-344 Sep 17 j 02:35	19°♍35'33	1°17'53	
	-344 Sep 25 j 09:33	0°♎		
	-344 Oct 19 j 06:34	0°♏		
evening rise	-344 Oct 26 j 19:57	9°♏29'31		
desc. node	-344 Oct 28 j 12:43	11°♏37'30		
	-344 Nov 12 j 04:04	0°♐		
	-344 Dec 06 j 03:06	0°♑		
	-344 Dec 30 j 05:12	0°♒		
	-343 Jan 23 j 13:14	0°♓		
	-343 Feb 17 j 08:08	0°♈		
asc. node	-343 Feb 18 j 15:14	1°♈32'50		
	-343 Mar 14 j 21:53	0°♉		
	-343 Apr 10 j 22:57	0°♊		
evening max el	-343 Apr 29 j 13:37	18°♊52'09	45°16'56	
	-343 May 11 j 21:04	0°♋		
greatest brilliancy	-343 Jun 03 j 17:10	15°♋16'26	-4.5m	
desc. node	-343 Jun 10 j 05:18	17°♋31'18		
retrograde	-343 Jun 17 j 00:45	18°♋22'48		
evening set	-343 Jul 02 j 20:07	13°♋39'31		
inferior conj	-343 Jul 08 j 10:47	10°♋18'56	-6°00'-58	
minimum elong	-343 Jul 08 j 00:44	10°♋34'27	5°58'51	
min. Earth dist.	-343 Jul 08 j 15:40	10°♋11'22	0.28703 AU	
morning rise	-343 Jul 13 j 04:56	7°♋25'56		
direct	-343 Jul 30 j 00:04	2°♋04'59		
greatest brilliancy	-343 Aug 13 j 12:33	5°♋45'38	-4.5m	
	-343 Sep 14 j 04:51	0°♌		
morning max el	-343 Sep 17 j 20:27	3°♌34'28	46°26'54	
asc. node	-343 Oct 01 j 08:00	17°♌34'50		
	-343 Oct 12 j 14:11	0°♍		
	-343 Nov 07 j 08:17	0°♎		
	-343 Dec 02 j 02:33	0°♏		
	-343 Dec 26 j 11:37	0°♐		
	-342 Jan 19 j 18:00	0°♑		
desc. node	-342 Jan 20 j 22:09	1°♑27'04		
	-342 Feb 13 j 00:24	0°♒		
	-342 Mar 09 j 07:51	0°♓		
morning set	-342 Mar 24 j 23:56	19°♓18'02		
	-342 Apr 02 j 16:38	0°♈		
	-342 Apr 27 j 02:34	0°♉		
superior conj	-342 May 01 j 02:51	4°♉55'35	0°-29'-55	
minimum elong	-342 May 01 j 08:43	5°♉13'35	0°29'40	
max. Earth dist.	-342 May 01 j 05:17	5°♉03'04	1.73616 AU	
asc. node	-342 May 14 j 01:03	20°♉47'36		
	-342 May 21 j 13:01	0°♊		
evening rise	-342 Jun 06 j 07:46	19°♊22'48		
	-342 Jun 14 j 23:17	0°♋		
	-342 Jul 09 j 09:24	0°♌		
	-342 Aug 02 j 20:19	0°♍		
	-342 Aug 27 j 09:43	0°♎		
desc. node	-342 Sep 02 j 14:50	7°♎33'30		
	-342 Sep 21 j 03:41	0°♏		
	-342 Oct 16 j 05:43	0°♐		
	-342 Nov 11 j 00:54	0°♑		
evening max el	-342 Dec 06 j 08:19	27°♑31'08	47°14'21	
	-342 Dec 08 j 19:01	0°♒		
asc. node	-342 Dec 24 j 17:34	14°♒54'16		
greatest brilliancy	-341 Jan 12 j 11:16	27°♒45'51	-4.6m	
	-341 Jan 18 j 01:28	0°♓		
retrograde	-341 Jan 26 j 08:10	1°♓20'17		
	-341 Feb 03 j 07:55	30°℞♒		
evening set	-341 Feb 13 j 04:16	25°♒07'34		
inferior conj	-341 Feb 16 j 10:22	23°♒05'14	8°37'02	
minimum elong	-341 Feb 16 j 09:46	23°♒06'10	8°37'02	
min. Earth dist.	-341 Feb 15 j 18:49	23°♒29'49	0.28185 AU	
morning rise	-341 Feb 19 j 15:30	21°♒04'47		
direct	-341 Mar 09 j 09:15	15°♒00'44		
greatest brilliancy	-341 Mar 20 j 11:45	17°♒15'25	-4.5m	
	-341 Apr 10 j 03:38	0°♓		
desc. node	-341 Apr 15 j 07:33	4°♓16'02		
morning max el	-341 Apr 27 j 09:51	15°♓16'38	45°52'57	
	-341 May 12 j 02:40	0°♈		
	-341 Jun 08 j 18:22	0°♉		
	-341 Jul 04 j 22:07	0°♊		
	-341 Jul 30 j 04:58	0°♋		
asc. node	-341 Aug 06 j 10:26	8°♋43'31		
	-341 Aug 23 j 20:49	0°♌		
	-341 Sep 17 j 01:55	0°♍		
	-341 Oct 11 j 00:31	0°♎		
morning set	-341 Oct 22 j 10:41	14°♎22'33		
	-341 Nov 03 j 20:18	0°♏		
desc. node	-341 Nov 26 j 00:35	27°♏56'29		
	-341 Nov 27 j 15:50	0°♐		
superior conj	-341 Dec 02 j 15:42	6°♐17'10	0°-15'-40	
minimum elong	-341 Dec 02 j 11:28	6°♐03'51	0°15'29	
behind sun begin	-341 Dec 02 j 02:40	5°♐36'08		
behind sun end	-341 Dec 02 j 20:17	6°♐31'35		
max. Earth dist.	-341 Dec 05 j 03:09	9°♐24'11	1.71075 AU	
	-341 Dec 21 j 12:32	0°♑		
evening rise	-340 Jan 13 j 09:23	28°♑38'44		
	-340 Jan 14 j 11:24	0°♒		
	-340 Feb 07 j 13:43	0°♓		
	-340 Mar 02 j 21:18	0°♈		
asc. node	-340 Mar 18 j 03:15	18°♈37'48		
	-340 Mar 27 j 12:19	0°♉		
	-340 Apr 21 j 13:29	0°♊		
	-340 May 17 j 05:26	0°♋		
	-340 Jun 12 j 22:55	0°♌		
desc. node	-340 Jul 07 j 17:08	25°♌44'00		
evening max el	-340 Jul 10 j 10:35	28°♌22'26	45°52'49	
	-340 Jul 12 j 03:33	0°♍		
greatest brilliancy	-340 Aug 17 j 23:33	26°♍33'23	-4.6m	
retrograde	-340 Aug 28 j 14:02	28°♍34'30		
evening set	-340 Sep 14 j 23:39	22°♍53'29		
inferior conj	-340 Sep 18 j 09:46	20°♍50'11	-8°-7'-58	
minimum elong	-340 Sep 18 j 17:50	20°♍37'55	8°06'59	
min. Earth dist.	-340 Sep 19 j 04:43	20°♍21'21	0.27301 AU	
morning rise	-340 Sep 22 j 11:45	18°♍23'33		
direct	-340 Oct 09 j 07:07	12°♍58'45		
greatest brilliancy	-340 Oct 22 j 23:47	16°♍26'34	-4.7m	

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

asc. node	-340 Oct 28 j 19:54	19°♍39'17		
	-340 Nov 11 j 15:35	0°♎		
morning max el	-340 Nov 29 j 03:33	16°♎36'56	46°55'44	
	-340 Dec 11 j 18:45	0°♏		
	-339 Jan 07 j 05:52	0°♐		
	-339 Feb 01 j 15:26	0°♑		
desc. node	-339 Feb 17 j 09:59	18°♑53'42		
	-339 Feb 26 j 15:21	0°♒		
	-339 Mar 23 j 11:07	0°♓		
	-339 Apr 17 j 04:40	0°♈		
	-339 May 11 j 20:19	0°♉		
morning set	-339 Jun 01 j 00:36	24°♉39'12		
	-339 Jun 05 j 09:23	0°♊		
asc. node	-339 Jun 10 j 12:52	6°♊18'32		
	-339 Jun 29 j 19:04	0°♋		
max. Earth dist.	-339 Jul 03 j 19:21	4°♋56'58	1.73171 AU	
superior conj	-339 Jul 07 j 05:54	9°♋11'48	0°57'35	
minimum elong	-339 Jul 06 j 21:16	8°♋45'07	0°57'17	
	-339 Jul 24 j 01:12	0°♌		
evening rise	-339 Aug 12 j 08:34	23°♌58'38		
	-339 Aug 17 j 04:45	0°♍		
	-339 Sep 10 j 07:17	0°♎		
desc. node	-339 Sep 30 j 02:52	24°♎38'49		
	-339 Oct 04 j 10:19	0°♏		
	-339 Oct 28 j 15:04	0°♐		
	-339 Nov 21 j 23:27	0°♑		
	-339 Dec 16 j 15:44	0°♒		
	-338 Jan 11 j 01:40	0°♓		
asc. node	-338 Jan 21 j 05:23	11°♓33'27		
	-338 Feb 07 j 05:08	0°♈		
evening max el	-338 Feb 15 j 16:10	8°♈36'36	46°02'38	
	-338 Mar 12 j 10:45	0°♉		
greatest brilliancy	-338 Mar 22 j 06:03	5°♉51'38	-4.5m	
retrograde	-338 Apr 05 j 23:13	9°♉40'23		
evening set	-338 Apr 21 j 17:12	4°♉52'19		
inferior conj	-338 Apr 27 j 09:33	1°♉24'14	3°29'25	
minimum elong	-338 Apr 27 j 16:32	1°♉13'13	3°27'35	
min. Earth dist.	-338 Apr 27 j 15:28	1°♉14'53	0.29011 AU	
	-338 Apr 29 j 15:10	30°℞♈		
morning rise	-338 May 03 j 15:59	27°♈36'33		
desc. node	-338 May 12 j 19:22	23°♈50'44		
direct	-338 May 19 j 01:09	23°♈04'45		
greatest brilliancy	-338 Jun 01 j 07:26	26°♈09'41	-4.5m	
	-338 Jun 08 j 14:43	0°♉		
morning max el	-338 Jul 06 j 20:42	22°♉52'42	45°49'18	
	-338 Jul 14 j 02:57	0°♊		
	-338 Aug 11 j 03:57	0°♋		
asc. node	-338 Sep 02 j 22:20	26°♋15'25		
	-338 Sep 06 j 02:15	0°♌		
	-338 Sep 30 j 22:47	0°♍		
	-338 Oct 25 j 05:11	0°♎		
	-338 Nov 18 j 04:52	0°♏		
	-338 Dec 12 j 02:38	0°♐		
desc. node	-338 Dec 23 j 12:19	14°♐18'03		
	-337 Jan 05 j 01:02	0°♑		
morning set	-337 Jan 07 j 12:28	3°♑05'57		
	-337 Jan 29 j 01:14	0°♒		
superior conj	-337 Feb 17 j 08:28	24°♒01'41	-1°-25'-15	
minimum elong	-337 Feb 17 j 07:59	24°♒00'13	1°25'16	
max. Earth dist.	-337 Feb 21 j 08:40	29°♒00'22	1.72393 AU	
	-337 Feb 22 j 03:53	0°♓		
	-337 Mar 18 j 09:33	0°♈		
evening rise	-337 Mar 28 j 04:29	12°♈03'53		
	-337 Apr 11 j 18:47	0°♉		
asc. node	-337 Apr 15 j 15:16	4°♉43'20		
	-337 May 06 j 07:53	0°♊		
	-337 May 31 j 01:16	0°♋		
	-337 Jun 25 j 00:17	0°♌		
	-337 Jul 20 j 08:06	0°♍		
desc. node	-337 Aug 05 j 04:52	18°♍27'16		
	-337 Aug 15 j 07:14	0°♎		
	-337 Sep 11 j 13:52	0°♏		
evening max el	-337 Sep 22 j 22:31	11°♏39'51	47°07'59	
	-337 Oct 13 j 01:07	0°♐		
greatest brilliancy	-337 Oct 31 j 22:23	11°♐56'20	-4.7m	
retrograde	-337 Nov 12 j 10:46	14°♐25'41		
asc. node	-337 Nov 26 j 07:42	10°♐35'05		
evening set	-337 Nov 26 j 19:02	10°♐20'07		
min. Earth dist.	-337 Dec 02 j 12:37	6°♐59'00	0.26410 AU	
inferior conj	-337 Dec 03 j 00:16	6°♐41'08	1°43'37	
minimum elong	-337 Dec 02 j 20:25	6°♐47'03	1°42'22	
morning rise	-337 Dec 08 j 22:04	3°♐12'46		
	-337 Dec 16 j 15:20	30°℞♏		
direct	-337 Dec 23 j 06:41	29°♏05'27		
	-337 Dec 30 j 03:10	0°♐		
greatest brilliancy	-336 Jan 03 j 15:18	1°♐29'54	-4.7m	
	-336 Feb 09 j 23:51	0°♑		
morning max el	-336 Feb 11 j 06:23	1°♑15'18	46°33'29	
	-336 Mar 09 j 11:50	0°♒		
desc. node	-336 Mar 16 j 21:56	8°♒15'40		
	-336 Apr 05 j 00:24	0°♓		
	-336 Apr 30 j 17:48	0°♈		
	-336 May 26 j 00:26	0°♉		
	-336 Jun 19 j 22:45	0°♊		
asc. node	-336 Jul 08 j 00:39	22°♊00'12		
	-336 Jul 14 j 13:17	0°♋		
morning set	-336 Aug 07 j 23:02	0°♌07'37		
	-336 Aug 07 j 20:35	0°♌		
	-336 Aug 31 j 22:11	0°♍		
max. Earth dist.	-336 Sep 11 j 12:06	13°♍15'07	1.71633 AU	
superior conj	-336 Sep 14 j 09:35	16°♍53'00	1°19'19	
minimum elong	-336 Sep 14 j 16:14	17°♍13'51	1°19'13	
	-336 Sep 24 j 20:25	0°♎		
	-336 Oct 18 j 17:34	0°♏		
evening rise	-336 Oct 24 j 06:32	6°♏57'28		
desc. node	-336 Oct 27 j 14:51	11°♏09'34		
	-336 Nov 11 j 15:12	0°♐		
	-336 Dec 05 j 14:22	0°♑		
	-336 Dec 29 j 16:39	0°♒		
	-335 Jan 23 j 01:02	0°♓		
	-335 Feb 16 j 20:36	0°♈		
asc. node	-335 Feb 17 j 17:21	1°♈01'52		
	-335 Mar 14 j 11:46	0°♉		
	-335 Apr 10 j 16:12	0°♊		
evening max el	-335 Apr 27 j 05:16	16°♊41'43	45°17'17	
	-335 May 12 j 03:35	0°♋		
greatest brilliancy	-335 Jun 01 j 05:09	13°♋02'27	-4.5m	
desc. node	-335 Jun 09 j 07:20	15°♋40'21		
retrograde	-335 Jun 14 j 16:49	16°♋13'02		
evening set	-335 Jun 30 j 09:14	11°♋32'40		
inferior conj	-335 Jul 06 j 02:31	8°♋08'23	-5°-45'-56	
minimum elong	-335 Jul 05 j 16:34	8°♋23'45	5°43'45	
min. Earth dist.	-335 Jul 06 j 06:52	8°♋01'39	0.28730 AU	
morning rise	-335 Jul 10 j 23:32	5°♋11'29		
	-335 Jul 25 j 10:04	30°℞♊		
direct	-335 Jul 27 j 16:24	29°♊53'56		
	-335 Jul 29 j 23:22	0°♋		
greatest brilliancy	-335 Aug 11 j 05:18	3°♋35'31	-4.5m	
	-335 Sep 14 j 03:38	0°♌		
morning max el	-335 Sep 15 j 12:20	1°♌20'38	46°25'21	
asc. node	-335 Sep 30 j 10:15	16°♌52'35		

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

	-335 Oct 12 j 06:10	0°♍	
	-335 Nov 06 j 22:01	0°♎	
	-335 Dec 01 j 15:13	0°♏	
	-335 Dec 25 j 23:39	0°♐	
	-334 Jan 19 j 05:34	0°♑	
desc. node	-334 Jan 20 j 00:13	0°♑57'41	
	-334 Feb 12 j 11:37	0°♒	
	-334 Mar 08 j 18:47	0°♓	
morning set	-334 Mar 22 j 15:42	17°♓05'30	
	-334 Apr 02 j 03:23	0°♈	
	-334 Apr 26 j 13:14	0°♉	
superior conj	-334 Apr 28 j 20:33	2°♉49'52	0°-32'-54
minimum elong	-334 Apr 29 j 02:57	3°♉09'29	0°32'37
max. Earth dist.	-334 Apr 29 j 03:31	3°♉11'15	1.73602 AU
asc. node	-334 May 13 j 03:05	20°♉21'11	
	-334 May 20 j 23:41	0°♊	
evening rise	-334 Jun 04 j 03:01	17°♊21'42	
	-334 Jun 14 j 10:03	0°♋	
	-334 Jul 08 j 20:22	0°♌	
	-334 Aug 02 j 07:40	0°♍	
	-334 Aug 26 j 21:39	0°♎	
desc. node	-334 Sep 01 j 17:02	7°♎03'29	
	-334 Sep 20 j 16:27	0°♏	
	-334 Oct 15 j 19:47	0°♐	
	-334 Nov 10 j 17:26	0°♑	
evening max el	-334 Dec 04 j 00:25	25°♑13'34	47°15'55
	-334 Dec 08 j 18:20	0°♒	
asc. node	-334 Dec 23 j 19:37	13°♒47'38	
greatest brilliancy	-333 Jan 10 j 03:37	25°♒28'31	-4.6m
retrograde	-333 Jan 24 j 00:17	29°♒02'11	
evening set	-333 Feb 10 j 18:23	22°♒51'19	
min. Earth dist.	-333 Feb 13 j 08:27	21°♒14'26	0.28125 AU
inferior conj	-333 Feb 14 j 01:25	20°♒47'36	8°36'34
minimum elong	-333 Feb 14 j 00:02	20°♒49'48	8°36'32
morning rise	-333 Feb 17 j 05:57	18°♒48'18	
direct	-333 Mar 07 j 00:08	12°♒44'16	
greatest brilliancy	-333 Mar 17 j 23:41	14°♒56'50	-4.5m
	-333 Apr 10 j 12:43	0°♓	
desc. node	-333 Apr 14 j 09:41	3°♓17'51	
morning max el	-333 Apr 25 j 01:40	13°♓05'16	45°53'48
	-333 May 11 j 20:40	0°♈	
	-333 Jun 08 j 08:35	0°♉	
	-333 Jul 04 j 10:41	0°♊	
	-333 Jul 29 j 16:41	0°♋	
asc. node	-333 Aug 05 j 12:31	8°♋14'45	
	-333 Aug 23 j 08:05	0°♌	
	-333 Sep 16 j 12:59	0°♍	
	-333 Oct 10 j 11:29	0°♎	
morning set	-333 Oct 19 j 23:01	11°♎55'47	
	-333 Nov 03 j 07:16	0°♏	
desc. node	-333 Nov 25 j 02:34	27°♏28'09	
	-333 Nov 27 j 02:49	0°♐	
superior conj	-333 Nov 30 j 01:04	3°♐41'00	0°-11'-42
minimum elong	-333 Nov 29 j 21:53	3°♐31'01	0°11'33
behind sun begin	-333 Nov 29 j 02:39	2°♐30'30	
behind sun end	-333 Nov 30 j 17:07	4°♐31'33	
max. Earth dist.	-333 Dec 02 j 11:41	6°♐45'24	1.71058 AU
	-333 Dec 20 j 23:33	0°♑	
evening rise	-332 Jan 10 j 19:51	26°♑06'57	
	-332 Jan 13 j 22:27	0°♒	
	-332 Feb 07 j 00:49	0°♓	
	-332 Mar 02 j 08:33	0°♈	
asc. node	-332 Mar 17 j 05:26	18°♈09'45	
	-332 Mar 26 j 23:53	0°♉	
	-332 Apr 21 j 01:43	0°♊	
	-332 May 16 j 19:00	0°♋	
	-332 Jun 12 j 15:20	0°♌	
desc. node	-332 Jul 06 j 19:10	24°♌54'02	
evening max el	-332 Jul 08 j 00:33	26°♌04'45	45°50'22
	-332 Jul 12 j 04:20	0°♍	
greatest brilliancy	-332 Aug 15 j 12:07	24°♍11'48	-4.6m
retrograde	-332 Aug 26 j 02:23	26°♍12'30	
evening set	-332 Sep 12 j 15:19	20°♍27'55	
inferior conj	-332 Sep 15 j 23:03	18°♍27'51	-8°-16'-23
minimum elong	-332 Sep 16 j 06:26	18°♍16'34	8°15'34
min. Earth dist.	-332 Sep 16 j 17:57	17°♍59'00	0.27360 AU
morning rise	-332 Sep 19 j 21:20	16°♍06'11	
direct	-332 Oct 06 j 21:02	10°♍35'37	
greatest brilliancy	-332 Oct 20 j 14:14	14°♍03'16	-4.7m
asc. node	-332 Oct 27 j 21:52	18°♍12'34	
	-332 Nov 11 j 23:33	0°♎	
morning max el	-332 Nov 26 j 16:24	14°♎09'41	46°55'29
	-332 Dec 11 j 13:19	0°♏	
	-331 Jan 06 j 20:48	0°♐	
	-331 Feb 01 j 04:43	0°♑	
desc. node	-331 Feb 16 j 12:07	18°♑22'05	
	-331 Feb 26 j 03:41	0°♒	
	-331 Mar 22 j 22:49	0°♓	
	-331 Apr 16 j 15:56	0°♈	
	-331 May 11 j 07:16	0°♉	
morning set	-331 May 29 j 19:05	22°♉35'49	
	-331 Jun 04 j 20:09	0°♊	
asc. node	-331 Jun 09 j 14:52	5°♊51'41	
	-331 Jun 29 j 05:48	0°♋	
max. Earth dist.	-331 Jul 01 j 13:40	2°♋52'17	1.73214 AU
superior conj	-331 Jul 05 j 00:19	7°♋07'18	0°55'16
minimum elong	-331 Jul 04 j 15:46	6°♋40'55	0°54'56
	-331 Jul 23 j 12:02	0°♌	
evening rise	-331 Aug 10 j 01:28	21°♌47'58	
	-331 Aug 16 j 15:45	0°♍	
	-331 Sep 09 j 18:31	0°♎	
desc. node	-331 Sep 29 j 04:59	24°♎09'49	
	-331 Oct 03 j 21:49	0°♏	
	-331 Oct 28 j 02:56	0°♐	
	-331 Nov 21 j 11:50	0°♑	
	-331 Dec 16 j 04:58	0°♒	
	-330 Jan 10 j 16:35	0°♓	
asc. node	-330 Jan 20 j 07:30	10°♓54'30	
	-330 Feb 07 j 00:28	0°♈	
evening max el	-330 Feb 13 j 06:36	6°♈19'56	46°05'03
	-330 Mar 13 j 09:02	0°♉	
greatest brilliancy	-330 Mar 19 j 23:17	3°♉43'16	-4.5m
retrograde	-330 Apr 03 j 15:29	7°♉31'53	
evening set	-330 Apr 19 j 12:03	2°♉40'37	
	-330 Apr 23 j 22:09	30°℞♈	
inferior conj	-330 Apr 25 j 02:15	29°♈15'37	3°47'06
minimum elong	-330 Apr 25 j 09:41	29°♈03'52	3°45'10
min. Earth dist.	-330 Apr 25 j 08:26	29°♈05'51	0.29007 AU
morning rise	-330 May 01 j 07:24	25°♈29'22	
desc. node	-330 May 11 j 21:21	21°♈23'30	
direct	-330 May 16 j 17:03	20°♈56'09	
greatest brilliancy	-330 May 29 j 22:34	23°♈59'35	-4.5m
	-330 Jun 09 j 15:48	0°♉	
morning max el	-330 Jul 04 j 11:46	20°♉40'31	45°48'39
	-330 Jul 13 j 22:31	0°♊	
	-330 Aug 10 j 18:48	0°♋	
asc. node	-330 Sep 02 j 00:30	25°♋42'46	
	-330 Sep 05 j 15:18	0°♌	
	-330 Sep 30 j 11:00	0°♍	
	-330 Oct 24 j 16:57	0°♎	
	-330 Nov 17 j 16:22	0°♏	

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

	-330 Dec 11 j 13:57	0°♐	
desc. node	-330 Dec 22 j 14:24	13°♐49'20	
morning set	-329 Jan 04 j 22:38	0°♑32'37	
	-329 Jan 04 j 12:13	0°♑	
	-329 Jan 28 j 12:18	0°♒	
superior conj	-329 Feb 14 j 21:47	21°♒39'51	-1°-25'-7
minimum elong	-329 Feb 14 j 20:21	21°♒35'26	1°25'08
max. Earth dist.	-329 Feb 18 j 22:17	26°♒39'36	1.72335 AU
	-329 Feb 21 j 14:50	0°♓	
	-329 Mar 17 j 20:30	0°♈	
evening rise	-329 Mar 25 j 20:12	9°♈50'45	
	-329 Apr 11 j 05:48	0°♉	
asc. node	-329 Apr 14 j 17:16	4°♉15'41	
	-329 May 05 j 19:06	0°♊	
	-329 May 30 j 12:53	0°♋	
	-329 Jun 24 j 12:35	0°♌	
	-329 Jul 19 j 21:32	0°♍	
desc. node	-329 Aug 04 j 07:04	17°♍51'40	
	-329 Aug 14 j 22:48	0°♎	
	-329 Sep 11 j 10:11	0°♏	
evening max el	-329 Sep 20 j 10:59	9°♏12'30	47°05'56
	-329 Oct 13 j 18:02	0°♐	
greatest brilliancy	-329 Oct 29 j 12:37	9°♐27'50	-4.7m
retrograde	-329 Nov 09 j 23:00	11°♐55'31	
evening set	-329 Nov 24 j 07:10	7°♐50'05	
asc. node	-329 Nov 25 j 09:46	7°♐13'48	
min. Earth dist.	-329 Nov 30 j 02:28	4°♐27'02	0.26388 AU
inferior conj	-329 Nov 30 j 12:31	4°♐11'40	1°19'24
minimum elong	-329 Nov 30 j 09:32	4°♐16'14	1°18'26
morning rise	-329 Dec 06 j 12:04	0°♐41'19	
	-329 Dec 07 j 19:55	30°℞♏	
direct	-329 Dec 20 j 18:32	26°♏35'56	
greatest brilliancy	-328 Jan 01 j 06:24	29°♏04'00	-4.7m
	-328 Jan 03 j 09:32	0°♐	
morning max el	-328 Feb 08 j 19:57	28°♐51'52	46°35'08
	-328 Feb 09 j 23:19	0°♑	
	-328 Mar 09 j 04:20	0°♒	
desc. node	-328 Mar 16 j 00:03	7°♒37'46	
	-328 Apr 04 j 14:16	0°♓	
	-328 Apr 30 j 06:21	0°♈	
	-328 May 25 j 12:14	0°♉	
	-328 Jun 19 j 10:07	0°♊	
asc. node	-328 Jul 07 j 02:48	21°♊32'36	
	-328 Jul 14 j 00:25	0°♋	
morning set	-328 Aug 05 j 15:37	27°♋55'59	
	-328 Aug 07 j 07:36	0°♌	
	-328 Aug 31 j 09:11	0°♍	
max. Earth dist.	-328 Sep 09 j 02:34	10°♍55'21	1.71684 AU
superior conj	-328 Sep 12 j 00:00	14°♍33'00	1°20'28
minimum elong	-328 Sep 12 j 05:58	14°♍51'40	1°20'23
	-328 Sep 24 j 07:31	0°♎	
	-328 Oct 18 j 04:50	0°♏	
evening rise	-328 Oct 21 j 17:18	4°♏25'13	
desc. node	-328 Oct 26 j 16:49	10°♏40'15	
	-328 Nov 11 j 02:37	0°♐	
	-328 Dec 05 j 01:58	0°♑	
	-328 Dec 29 j 04:26	0°♒	
	-327 Jan 22 j 13:09	0°♓	
	-327 Feb 16 j 09:25	0°♈	
asc. node	-327 Feb 16 j 19:32	0°♈30'08	
	-327 Mar 14 j 02:02	0°♉	
	-327 Apr 10 j 10:07	0°♊	
evening max el	-327 Apr 24 j 21:38	14°♊32'20	45°17'38
	-327 May 12 j 13:03	0°♋	
greatest brilliancy	-327 May 29 j 18:10	10°♋49'02	-4.5m
desc. node	-327 Jun 08 j 09:24	13°♋44'27	
retrograde	-327 Jun 12 j 08:59	14°♋02'24	
evening set	-327 Jun 27 j 22:38	9°♋25'02	
inferior conj	-327 Jul 03 j 18:18	5°♋57'02	-5°-30'-25
minimum elong	-327 Jul 03 j 08:32	6°♋12'09	5°28'12
min. Earth dist.	-327 Jul 03 j 22:00	5°♋51'19	0.28755 AU
morning rise	-327 Jul 08 j 18:09	2°♋56'13	
	-327 Jul 14 j 14:22	30°℞♊	
direct	-327 Jul 25 j 09:07	27°♊42'18	
	-327 Aug 05 j 15:45	0°♋	
greatest brilliancy	-327 Aug 08 j 21:17	1°♋23'38	-4.5m
morning max el	-327 Sep 13 j 04:18	29°♋06'15	46°23'47
	-327 Sep 14 j 01:55	0°♌	
asc. node	-327 Sep 29 j 12:14	16°♌09'10	
	-327 Oct 11 j 22:12	0°♍	
	-327 Nov 06 j 11:54	0°♎	
	-327 Dec 01 j 04:04	0°♏	
	-327 Dec 25 j 11:54	0°♐	
	-326 Jan 18 j 17:25	0°♑	
desc. node	-326 Jan 19 j 02:20	0°♑27'36	
	-326 Feb 11 j 23:08	0°♒	
	-326 Mar 08 j 06:02	0°♓	
morning set	-326 Mar 20 j 07:28	14°♓51'54	
	-326 Apr 01 j 14:27	0°♈	
	-326 Apr 26 j 00:11	0°♉	
superior conj	-326 Apr 26 j 14:18	0°♉43'22	0°-35'-49
minimum elong	-326 Apr 26 j 21:11	1°♉04'28	0°35'31
max. Earth dist.	-326 Apr 27 j 03:04	1°♉22'33	1.73583 AU
asc. node	-326 May 12 j 05:08	19°♉54'01	
	-326 May 20 j 10:36	0°♊	
evening rise	-326 Jun 01 j 22:20	15°♊19'57	
	-326 Jun 13 j 21:06	0°♋	
	-326 Jul 08 j 07:41	0°♌	
	-326 Aug 01 j 19:24	0°♍	
	-326 Aug 26 j 09:59	0°♎	
desc. node	-326 Aug 31 j 19:04	6°♎31'45	
	-326 Sep 20 j 05:38	0°♏	
	-326 Oct 15 j 10:20	0°♐	
	-326 Nov 10 j 10:37	0°♑	
evening max el	-326 Dec 01 j 16:24	22°♑54'35	47°17'18
	-326 Dec 08 j 19:08	0°♒	
asc. node	-326 Dec 22 j 21:45	12°♒38'16	
greatest brilliancy	-325 Jan 07 j 20:47	23°♒10'52	-4.6m
retrograde	-325 Jan 21 j 15:59	26°♒42'14	
evening set	-325 Feb 08 j 08:00	20°♒34'06	
min. Earth dist.	-325 Feb 10 j 22:06	18°♒57'07	0.28063 AU
inferior conj	-325 Feb 11 j 16:19	18°♒28'19	8°35'13
minimum elong	-325 Feb 11 j 14:09	18°♒31'45	8°35'09
morning rise	-325 Feb 14 j 20:35	16°♒29'27	
direct	-325 Mar 04 j 14:59	10°♒26'19	
greatest brilliancy	-325 Mar 15 j 11:22	12°♒36'20	-4.5m
	-325 Apr 10 j 19:49	0°♓	
desc. node	-325 Apr 13 j 11:36	2°♓19'20	
morning max el	-325 Apr 22 j 16:33	10°♓50'28	45°54'49
	-325 May 11 j 14:37	0°♈	
	-325 Jun 07 j 22:56	0°♉	
	-325 Jul 03 j 23:26	0°♊	
	-325 Jul 29 j 04:38	0°♋	
asc. node	-325 Aug 04 j 14:41	7°♋45'31	
	-325 Aug 22 j 19:37	0°♌	
	-325 Sep 16 j 00:20	0°♍	
	-325 Oct 09 j 22:47	0°♎	
morning set	-325 Oct 17 j 11:14	9°♎27'43	
	-325 Nov 02 j 18:33	0°♏	
desc. node	-325 Nov 24 j 04:41	26°♏59'22	
	-325 Nov 26 j 14:05	0°♐	

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

superior conj	-325 Nov 27 j 10:21	1°♐03'46	0°-7'-41
minimum elong	-325 Nov 27 j 08:16	0°♐57'11	0°07'37
behind sun begin	-325 Nov 26 j 08:18	29°♏41'47	
behind sun end	-325 Nov 28 j 08:13	2°♐12'35	
max. Earth dist.	-325 Nov 29 j 17:16	3°♐56'33	1.71039 AU
	-325 Dec 20 j 10:49	0°♑	
evening rise	-324 Jan 08 j 06:07	23°♑33'41	
	-324 Jan 13 j 09:44	0°♒	
	-324 Feb 06 j 12:12	0°♓	
	-324 Mar 01 j 20:06	0°♈	
asc. node	-324 Mar 16 j 07:25	17°♈40'09	
	-324 Mar 26 j 11:46	0°♉	
	-324 Apr 20 j 14:18	0°♊	
	-324 May 16 j 08:57	0°♋	
	-324 Jun 12 j 08:17	0°♌	
evening max el	-324 Jul 05 j 13:31	23°♌44'18	45°47'59
desc. node	-324 Jul 05 j 21:19	24°♌02'57	
	-324 Jul 12 j 06:40	0°♍	
greatest brilliancy	-324 Aug 13 j 00:42	21°♍49'51	-4.6m
retrograde	-324 Aug 23 j 14:27	23°♍50'19	
evening set	-324 Sep 10 j 06:44	18°♍02'14	
inferior conj	-324 Sep 13 j 12:23	16°♍05'10	-8°-23'-49
minimum elong	-324 Sep 13 j 19:04	15°♍54'57	8°23'09
min. Earth dist.	-324 Sep 14 j 07:28	15°♍36'00	0.27424 AU
morning rise	-324 Sep 17 j 07:09	13°♍48'20	
direct	-324 Oct 04 j 10:35	8°♍11'48	
greatest brilliancy	-324 Oct 18 j 05:55	11°♍40'52	-4.7m
asc. node	-324 Oct 26 j 23:58	16°♍48'01	
	-324 Nov 12 j 05:37	0°♎	
morning max el	-324 Nov 24 j 04:55	11°♎40'35	46°55'13
	-324 Dec 11 j 07:45	0°♏	
	-323 Jan 06 j 11:50	0°♐	
	-323 Jan 31 j 18:08	0°♑	
desc. node	-323 Feb 15 j 14:14	17°♑49'55	
	-323 Feb 25 j 16:09	0°♒	
	-323 Mar 22 j 10:40	0°♓	
	-323 Apr 16 j 03:21	0°♈	
	-323 May 10 j 18:23	0°♉	
morning set	-323 May 27 j 13:31	20°♉31'42	
	-323 Jun 04 j 07:06	0°♊	
asc. node	-323 Jun 08 j 17:04	5°♊24'55	
	-323 Jun 28 j 16:41	0°♋	
max. Earth dist.	-323 Jun 29 j 09:28	0°♋51'46	1.73253 AU
superior conj	-323 Jul 02 j 18:52	5°♋02'51	0°52'51
minimum elong	-323 Jul 02 j 10:27	4°♋36'52	0°52'32
	-323 Jul 22 j 22:58	0°♌	
evening rise	-323 Aug 07 j 18:41	19°♌38'09	
	-323 Aug 16 j 02:50	0°♍	
	-323 Sep 09 j 05:51	0°♎	
desc. node	-323 Sep 28 j 06:58	23°♎39'59	
	-323 Oct 03 j 09:28	0°♏	
	-323 Oct 27 j 15:01	0°♐	
	-323 Nov 21 j 00:28	0°♑	
	-323 Dec 15 j 18:30	0°♒	
	-322 Jan 10 j 07:53	0°♓	
asc. node	-322 Jan 19 j 09:37	10°♓14'35	
	-322 Feb 06 j 20:34	0°♈	
evening max el	-322 Feb 10 j 20:23	4°♈01'02	46°07'42
	-322 Mar 14 j 16:32	0°♉	
greatest brilliancy	-322 Mar 17 j 15:17	1°♉32'39	-4.5m
retrograde	-322 Apr 01 j 07:54	5°♉22'45	
evening set	-322 Apr 17 j 06:49	0°♉27'47	
	-322 Apr 18 j 02:02	30°℞♈	
inferior conj	-322 Apr 22 j 18:49	27°♈06'09	4°04'33
minimum elong	-322 Apr 23 j 02:40	26°♈53'44	4°02'32
min. Earth dist.	-322 Apr 23 j 01:08	26°♈56'10	0.29002 AU
morning rise	-322 Apr 28 j 22:31	23°♈21'46	
desc. node	-322 May 10 j 23:32	19°♈00'01	
direct	-322 May 14 j 08:43	18°♈46'34	
greatest brilliancy	-322 May 27 j 14:25	21°♈49'51	-4.5m
	-322 Jun 10 j 10:30	0°♉	
morning max el	-322 Jul 02 j 03:29	18°♉29'40	45°48'13
	-322 Jul 13 j 17:36	0°♊	
	-322 Aug 10 j 09:29	0°♋	
asc. node	-322 Sep 01 j 02:30	25°♋09'48	
	-322 Sep 05 j 04:15	0°♌	
	-322 Sep 29 j 23:07	0°♍	
	-322 Oct 24 j 04:38	0°♎	
	-322 Nov 17 j 03:50	0°♏	
	-322 Dec 11 j 01:17	0°♐	
desc. node	-322 Dec 21 j 16:34	13°♐20'46	
morning set	-321 Jan 02 j 08:18	27°♐57'24	
	-321 Jan 03 j 23:27	0°♑	
	-321 Jan 27 j 23:24	0°♒	
superior conj	-321 Feb 12 j 10:25	19°♒15'40	-1°-24'-48
minimum elong	-321 Feb 12 j 08:02	19°♒08'17	1°24'49
max. Earth dist.	-321 Feb 16 j 09:37	24°♒11'35	1.72277 AU
	-321 Feb 21 j 01:50	0°♓	
	-321 Mar 17 j 07:26	0°♈	
evening rise	-321 Mar 23 j 11:21	7°♈35'55	
	-321 Apr 10 j 16:49	0°♉	
asc. node	-321 Apr 13 j 19:19	3°♉48'13	
	-321 May 05 j 06:20	0°♊	
	-321 May 30 j 00:31	0°♋	
	-321 Jun 24 j 00:54	0°♌	
	-321 Jul 19 j 11:02	0°♍	
desc. node	-321 Aug 03 j 09:08	17°♍15'40	
	-321 Aug 14 j 14:27	0°♎	
	-321 Sep 11 j 06:56	0°♏	
evening max el	-321 Sep 18 j 00:06	6°♏47'39	47°03'57
	-321 Oct 14 j 16:12	0°♐	
greatest brilliancy	-321 Oct 27 j 01:52	6°♐59'01	-4.7m
retrograde	-321 Nov 07 j 11:42	9°♐26'02	
evening set	-321 Nov 21 j 19:32	5°♐20'20	
asc. node	-321 Nov 24 j 11:54	3°♐50'05	
min. Earth dist.	-321 Nov 27 j 15:55	1°♐55'58	0.26373 AU
inferior conj	-321 Nov 28 j 00:42	1°♐42'35	0°55'00
minimum elong	-321 Nov 27 j 22:37	1°♐45'45	0°54'19
	-321 Nov 30 j 20:38	30°℞♏	
morning rise	-321 Dec 04 j 01:53	28°♏10'40	
direct	-321 Dec 18 j 06:58	24°♏06'54	
greatest brilliancy	-321 Dec 29 j 20:45	26°♏37'40	-4.7m
	-320 Jan 05 j 14:00	0°♐	
morning max el	-320 Feb 06 j 10:16	26°♐30'27	46°36'30
	-320 Feb 09 j 21:44	0°♑	
	-320 Mar 08 j 20:30	0°♒	
desc. node	-320 Mar 15 j 02:00	6°♒59'51	
	-320 Apr 04 j 03:57	0°♓	
	-320 Apr 29 j 18:45	0°♈	
	-320 May 24 j 23:52	0°♉	
	-320 Jun 18 j 21:19	0°♊	
asc. node	-320 Jul 06 j 04:51	21°♊05'15	
	-320 Jul 13 j 11:22	0°♋	
morning set	-320 Aug 03 j 08:13	25°♋45'01	
	-320 Aug 06 j 18:27	0°♌	
	-320 Aug 30 j 20:02	0°♍	
max. Earth dist.	-320 Sep 06 j 15:04	8°♍30'07	1.71729 AU
superior conj	-320 Sep 09 j 14:43	12°♍14'34	1°21'29
minimum elong	-320 Sep 09 j 19:56	12°♍30'55	1°21'25
	-320 Sep 23 j 18:26	0°♎	
	-320 Oct 17 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.

evening rise	-320 Oct 19 j 04:27	1°♏54'54	
desc. node	-320 Oct 25 j 18:57	10°♏12'19	
	-320 Nov 10 j 13:46	0°♐	
	-320 Dec 04 j 13:15	0°♑	
	-320 Dec 28 j 15:57	0°♒	
	-319 Jan 22 j 01:04	0°♓	
asc. node	-319 Feb 15 j 21:28	29°♓58'09	
	-319 Feb 15 j 22:05	0°♈	
	-319 Mar 13 j 16:17	0°♉	
	-319 Apr 10 j 04:17	0°♊	
evening max el	-319 Apr 22 j 14:09	12°♊23'45	45°18'05
	-319 May 13 j 01:34	0°♋	
greatest brilliancy	-319 May 27 j 08:18	8°♋37'25	-4.5m
desc. node	-319 Jun 07 j 11:32	11°♋44'39	
retrograde	-319 Jun 10 j 00:50	11°♋52'04	
evening set	-319 Jun 25 j 12:10	7°♋17'48	
inferior conj	-319 Jul 01 j 10:02	3°♋46'15	-5°-14'-23
minimum elong	-319 Jul 01 j 00:29	4°♋01'02	5°12'10
min. Earth dist.	-319 Jul 01 j 13:17	3°♋41'12	0.28776 AU
morning rise	-319 Jul 06 j 12:35	0°♋41'23	
	-319 Jul 07 j 18:14	30°℞♊	
direct	-319 Jul 23 j 01:39	25°♊31'21	
greatest brilliancy	-319 Aug 06 j 12:00	29°♊10'41	-4.5m
	-319 Aug 08 j 03:55	0°♋	
morning max el	-319 Sep 10 j 19:37	26°♋51'07	46°22'15
	-319 Sep 13 j 23:07	0°♌	
asc. node	-319 Sep 28 j 14:18	15°♌27'14	
	-319 Oct 11 j 13:44	0°♍	
	-319 Nov 06 j 01:22	0°♎	
	-319 Nov 30 j 16:32	0°♏	
	-319 Dec 24 j 23:45	0°♐	
desc. node	-318 Jan 18 j 04:22	29°♐58'36	
	-318 Jan 18 j 04:49	0°♑	
	-318 Feb 11 j 10:14	0°♒	
	-318 Mar 07 j 16:55	0°♓	
morning set	-318 Mar 17 j 23:04	12°♓38'49	
	-318 Apr 01 j 01:11	0°♈	
superior conj	-318 Apr 24 j 07:46	28°♈36'51	0°-38'-42
minimum elong	-318 Apr 24 j 15:05	28°♈59'20	0°38'24
max. Earth dist.	-318 Apr 25 j 01:46	29°♈32'10	1.73563 AU
	-318 Apr 25 j 10:50	0°♉	
asc. node	-318 May 11 j 07:18	19°♉28'02	
	-318 May 19 j 21:15	0°♊	
evening rise	-318 May 30 j 17:15	13°♊17'55	
	-318 Jun 13 j 07:51	0°♋	
	-318 Jul 07 j 18:43	0°♌	
	-318 Aug 01 j 06:52	0°♍	
	-318 Aug 25 j 22:04	0°♎	
desc. node	-318 Aug 30 j 21:04	6°♎00'42	
	-318 Sep 19 j 18:36	0°♏	
	-318 Oct 15 j 00:41	0°♐	
	-318 Nov 10 j 03:43	0°♑	
evening max el	-318 Nov 29 j 07:54	20°♑35'31	47°18'42
	-318 Dec 08 j 20:37	0°♒	
asc. node	-318 Dec 21 j 23:50	11°♒28'26	
greatest brilliancy	-317 Jan 05 j 14:54	20°♒55'59	-4.6m
retrograde	-317 Jan 19 j 07:27	24°♒24'04	
evening set	-317 Feb 05 j 21:29	18°♒19'28	
min. Earth dist.	-317 Feb 08 j 12:12	16°♒41'28	0.27997 AU
inferior conj	-317 Feb 09 j 07:24	16°♒11'03	8°33'03
minimum elong	-317 Feb 09 j 04:26	16°♒15'44	8°32'55
morning rise	-317 Feb 12 j 11:42	14°♒12'02	
direct	-317 Mar 02 j 05:34	8°♒10'26	
greatest brilliancy	-317 Mar 12 j 23:32	10°♒18'03	-4.5m
	-317 Apr 11 j 00:06	0°♓	
desc. node	-317 Apr 12 j 13:49	1°♓24'15	
morning max el	-317 Apr 20 j 06:42	8°♓35'09	45°55'39
	-317 May 11 j 07:42	0°♈	
	-317 Jun 07 j 12:45	0°♉	
	-317 Jul 03 j 11:46	0°♊	
	-317 Jul 28 j 16:12	0°♋	
asc. node	-317 Aug 03 j 16:40	7°♋16'49	
	-317 Aug 22 j 06:47	0°♌	
	-317 Sep 15 j 11:20	0°♍	
	-317 Oct 09 j 09:44	0°♎	
morning set	-317 Oct 14 j 23:26	7°♎00'36	
	-317 Nov 02 j 05:29	0°♏	
desc. node	-317 Nov 23 j 06:49	26°♏31'40	
superior conj	-317 Nov 24 j 19:46	28°♏27'57	0°-3'-40
minimum elong	-317 Nov 24 j 18:46	28°♏24'47	0°03'39
behind sun begin	-317 Nov 23 j 16:33	27°♏02'19	
behind sun end	-317 Nov 25 j 20:58	29°♏47'15	
	-317 Nov 26 j 01:01	0°♐	
max. Earth dist.	-317 Nov 26 j 19:04	0°♐56'49	1.71022 AU
	-317 Dec 19 j 21:44	0°♑	
evening rise	-316 Jan 05 j 16:28	21°♑01'43	
	-316 Jan 12 j 20:40	0°♒	
	-316 Feb 05 j 23:10	0°♓	
	-316 Mar 01 j 07:12	0°♈	
asc. node	-316 Mar 15 j 09:31	17°♈12'15	
	-316 Mar 25 j 23:14	0°♉	
	-316 Apr 20 j 02:30	0°♊	
	-316 May 15 j 22:38	0°♋	
	-316 Jun 12 j 01:13	0°♌	
evening max el	-316 Jul 03 j 02:08	21°♌24'02	45°45'40
desc. node	-316 Jul 04 j 23:22	23°♌11'34	
	-316 Jul 12 j 10:10	0°♍	
greatest brilliancy	-316 Aug 10 j 12:46	19°♍28'29	-4.5m
retrograde	-316 Aug 21 j 02:50	21°♍29'41	
evening set	-316 Sep 07 j 21:51	15°♍38'15	
inferior conj	-316 Sep 11 j 01:48	13°♍43'49	-8°-30'-6
minimum elong	-316 Sep 11 j 07:43	13°♍34'45	8°29'36
min. Earth dist.	-316 Sep 11 j 21:01	13°♍14'26	0.27490 AU
morning rise	-316 Sep 14 j 17:19	11°♍31'40	
direct	-316 Oct 02 j 00:06	5°♍49'08	
greatest brilliancy	-316 Oct 15 j 22:21	9°♍20'50	-4.6m
asc. node	-316 Oct 26 j 02:09	15°♍27'25	
	-316 Nov 12 j 09:19	0°♎	
morning max el	-316 Nov 21 j 18:12	9°♎14'27	46°54'55
	-316 Dec 11 j 01:24	0°♏	
	-315 Jan 06 j 02:22	0°♐	
	-315 Jan 31 j 07:08	0°♑	
desc. node	-315 Feb 14 j 16:11	17°♑18'22	
	-315 Feb 25 j 04:14	0°♒	
	-315 Mar 21 j 22:07	0°♓	
	-315 Apr 15 j 14:21	0°♈	
	-315 May 10 j 05:06	0°♉	
morning set	-315 May 25 j 08:09	18°♉29'17	
	-315 Jun 03 j 17:41	0°♊	
asc. node	-315 Jun 07 j 19:06	4°♊58'41	
max. Earth dist.	-315 Jun 27 j 06:49	28°♊56'58	1.73297 AU
	-315 Jun 28 j 03:16	0°♋	
superior conj	-315 Jun 30 j 13:30	2°♋59'34	0°50'23
minimum elong	-315 Jun 30 j 05:15	2°♋34'08	0°50'04
	-315 Jul 22 j 09:39	0°♌	
evening rise	-315 Aug 05 j 12:01	17°♌29'31	
	-315 Aug 15 j 13:42	0°♍	
	-315 Sep 08 j 16:57	0°♎	
desc. node	-315 Sep 27 j 09:07	23°♎11'26	
	-315 Oct 02 j 20:54	0°♏	
	-315 Oct 27 j 02:53	0°♐	

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

	-315 Nov 20 j 12:56	0°♉	
	-315 Dec 15 j 07:54	0°♒	
	-314 Jan 09 j 23:09	0°♓	
asc. node	-314 Jan 18 j 11:37	9°♓34'40	
	-314 Feb 06 j 17:00	0°♈	
evening max el	-314 Feb 08 j 11:07	1°♈45'18	46°10'32
greatest brilliancy	-314 Mar 15 j 07:01	29°♈22'52	-4.5m
	-314 Mar 16 j 14:30	0°♉	
retrograde	-314 Mar 30 j 01:04	3°♉15'12	
	-314 Apr 11 j 20:09	30°℞♈	
evening set	-314 Apr 15 j 01:52	28°♈16'21	
inferior conj	-314 Apr 20 j 11:35	24°♈58'08	4°21'23
minimum elong	-314 Apr 20 j 19:49	24°♈45'08	4°19'20
min. Earth dist.	-314 Apr 20 j 17:39	24°♈48'32	0.28995 AU
morning rise	-314 Apr 26 j 13:46	21°♈16'05	
desc. node	-314 May 10 j 01:35	16°♈43'05	
direct	-314 May 12 j 00:53	16°♈38'32	
greatest brilliancy	-314 May 25 j 06:18	19°♈41'42	-4.5m
	-314 Jun 10 j 23:49	0°♉	
morning max el	-314 Jun 29 j 20:12	16°♉22'22	45°47'39
	-314 Jul 13 j 11:51	0°♊	
	-314 Aug 09 j 23:46	0°♋	
asc. node	-314 Aug 31 j 04:35	24°♋37'46	
	-314 Sep 04 j 16:59	0°♌	
	-314 Sep 29 j 11:05	0°♍	
	-314 Oct 23 j 16:12	0°♎	
	-314 Nov 16 j 15:10	0°♏	
	-314 Dec 10 j 12:28	0°♐	
desc. node	-314 Dec 20 j 18:33	12°♐52'05	
morning set	-314 Dec 30 j 17:55	25°♐22'24	
	-313 Jan 03 j 10:32	0°♑	
	-313 Jan 27 j 10:23	0°♒	
superior conj	-313 Feb 09 j 22:55	16°♒51'15	-1°-24'-21
minimum elong	-313 Feb 09 j 19:36	16°♒40'56	1°24'21
max. Earth dist.	-313 Feb 13 j 20:42	21°♒42'55	1.72221 AU
	-313 Feb 20 j 12:43	0°♓	
	-313 Mar 16 j 18:17	0°♈	
evening rise	-313 Mar 21 j 02:35	5°♈21'32	
	-313 Apr 10 j 03:43	0°♉	
asc. node	-313 Apr 12 j 21:32	3°♉21'34	
	-313 May 04 j 17:26	0°♊	
	-313 May 29 j 12:02	0°♋	
	-313 Jun 23 j 13:08	0°♌	
	-313 Jul 19 j 00:32	0°♍	
desc. node	-313 Aug 02 j 11:07	16°♍39'22	
	-313 Aug 14 j 06:21	0°♎	
	-313 Sep 11 j 04:29	0°♏	
evening max el	-313 Sep 15 j 14:17	4°♏25'25	47°01'44
	-313 Oct 15 j 22:57	0°♐	
greatest brilliancy	-313 Oct 24 j 15:04	4°♐29'51	-4.7m
retrograde	-313 Nov 05 j 00:37	6°♐55'48	
evening set	-313 Nov 19 j 08:05	2°♐49'53	
asc. node	-313 Nov 23 j 13:56	0°♐23'50	
	-313 Nov 24 j 05:43	30°℞♏	
min. Earth dist.	-313 Nov 25 j 05:06	29°♏24'27	0.26359 AU
inferior conj	-313 Nov 25 j 12:45	29°♏12'50	0°30'26
minimum elong	-313 Nov 25 j 11:35	29°♏14'36	0°30'03
morning rise	-313 Dec 01 j 15:20	25°♏39'34	
direct	-313 Dec 15 j 19:38	21°♏37'28	
greatest brilliancy	-313 Dec 27 j 10:06	24°♏09'38	-4.7m
	-312 Jan 07 j 00:48	0°♐	
morning max el	-312 Feb 04 j 00:30	24°♐08'35	46°37'49
	-312 Feb 09 j 19:21	0°♑	
	-312 Mar 08 j 12:24	0°♒	
desc. node	-312 Mar 14 j 04:12	6°♒22'54	
	-312 Apr 03 j 17:32	0°♓	
	-312 Apr 29 j 07:06	0°♈	
	-312 May 24 j 11:29	0°♉	
	-312 Jun 18 j 08:30	0°♊	
asc. node	-312 Jul 05 j 06:55	20°♊37'59	
	-312 Jul 12 j 22:18	0°♋	
morning set	-312 Aug 01 j 01:19	23°♋35'42	
	-312 Aug 06 j 05:18	0°♌	
	-312 Aug 30 j 06:55	0°♍	
max. Earth dist.	-312 Sep 04 j 02:16	6°♍00'45	1.71784 AU
superior conj	-312 Sep 07 j 05:50	9°♍57'20	1°22'20
minimum elong	-312 Sep 07 j 10:18	10°♍11'18	1°22'18
	-312 Sep 23 j 05:27	0°♎	
evening rise	-312 Oct 16 j 15:36	29°♎24'07	
	-312 Oct 17 j 03:02	0°♏	
desc. node	-312 Oct 24 j 21:05	9°♏43'49	
	-312 Nov 10 j 01:06	0°♐	
	-312 Dec 04 j 00:45	0°♑	
	-312 Dec 28 j 03:41	0°♒	
	-311 Jan 21 j 13:13	0°♓	
asc. node	-311 Feb 14 j 23:36	29°♓26'06	
	-311 Feb 15 j 11:02	0°♈	
	-311 Mar 13 j 06:52	0°♉	
	-311 Apr 09 j 23:06	0°♊	
evening max el	-311 Apr 20 j 06:36	10°♊14'31	45°18'38
	-311 May 13 j 18:30	0°♋	
greatest brilliancy	-311 May 24 j 23:25	6°♋27'00	-4.5m
desc. node	-311 Jun 06 j 13:34	9°♋40'45	
retrograde	-311 Jun 07 j 16:24	9°♋42'10	
evening set	-311 Jun 23 j 02:10	5°♋10'53	
inferior conj	-311 Jun 29 j 02:04	1°♋36'10	-4°-58'-7
minimum elong	-311 Jun 28 j 16:47	1°♋50'35	4°55'53
min. Earth dist.	-311 Jun 29 j 05:13	1°♋31'17	0.28793 AU
	-311 Jul 01 j 16:24	30°℞♊	
morning rise	-311 Jul 04 j 07:11	28°♊27'14	
direct	-311 Jul 20 j 18:05	23°♊21'08	
greatest brilliancy	-311 Aug 04 j 02:12	26°♊57'26	-4.5m
	-311 Aug 09 j 17:41	0°♋	
morning max el	-311 Sep 08 j 10:07	24°♋33'59	46°20'37
	-311 Sep 13 j 19:38	0°♌	
asc. node	-311 Sep 27 j 16:31	14°♌46'00	
	-311 Oct 11 j 05:09	0°♍	
	-311 Nov 05 j 14:56	0°♎	
	-311 Nov 30 j 05:12	0°♏	
	-311 Dec 24 j 11:53	0°♐	
desc. node	-310 Jan 17 j 06:27	29°♐28'40	
	-310 Jan 17 j 16:34	0°♑	
	-310 Feb 10 j 21:40	0°♒	
	-310 Mar 07 j 04:07	0°♓	
morning set	-310 Mar 15 j 14:15	10°♓23'29	
	-310 Mar 31 j 12:13	0°♈	
superior conj	-310 Apr 22 j 01:05	26°♈29'03	0°-41'-33
minimum elong	-310 Apr 22 j 08:50	26°♈52'49	0°41'14
max. Earth dist.	-310 Apr 22 j 23:20	27°♈37'22	1.73538 AU
	-310 Apr 24 j 21:46	0°♉	
asc. node	-310 May 10 j 09:19	19°♉00'43	
	-310 May 19 j 08:11	0°♊	
evening rise	-310 May 28 j 12:14	11°♊15'06	
	-310 Jun 12 j 18:54	0°♋	
	-310 Jul 07 j 06:01	0°♌	
	-310 Jul 31 j 18:35	0°♍	
	-310 Aug 25 j 10:24	0°♎	
desc. node	-310 Aug 29 j 23:16	5°♎29'39	
	-310 Sep 19 j 07:51	0°♏	
	-310 Oct 14 j 15:27	0°♐	
	-310 Nov 09 j 21:33	0°♑	

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

evening max el	-310 Nov 26 j 22:23	18°♑12'27	47°19'42	
	-310 Dec 09 j 00:12	0°♒		
asc. node	-310 Dec 21 j 01:52	10°♒14'46		
greatest brilliancy	-309 Jan 03 j 09:00	18°♒38'46	-4.7m	
retrograde	-309 Jan 16 j 22:14	22°♒03'18		
evening set	-309 Feb 03 j 10:17	16°♒02'50		
min. Earth dist.	-309 Feb 06 j 02:27	14°♒22'38	0.27932 AU	
inferior conj	-309 Feb 06 j 22:12	13°♒51'21	8°29'59	
minimum elong	-309 Feb 06 j 18:27	13°♒57'18	8°29'46	
morning rise	-309 Feb 10 j 02:55	11°♒51'35		
direct	-309 Feb 27 j 19:19	5°♒51'54		
greatest brilliancy	-309 Mar 10 j 12:32	7°♒58'22	-4.5m	
	-309 Apr 11 j 03:25	0°♓		
desc. node	-309 Apr 11 j 15:55	0°♓28'31		
morning max el	-309 Apr 17 j 20:07	6°♓16'22	45°56'43	
	-309 May 11 j 00:55	0°♈		
	-309 Jun 07 j 02:51	0°♉		
	-309 Jul 03 j 00:25	0°♊		
	-309 Jul 28 j 04:05	0°♋		
asc. node	-309 Aug 02 j 18:47	6°♋47'32		
	-309 Aug 21 j 18:16	0°♌		
greatest brilliancy	-309 Sep 06 j 06:14	19°♌10'46	-3.9m	
	-309 Sep 14 j 22:37	0°♍		
	-309 Oct 08 j 20:57	0°♎		
morning set	-309 Oct 12 j 12:17	4°♎34'43		
	-309 Nov 01 j 16:41	0°♏		
superior conj	-309 Nov 22 j 05:34	25°♏52'26	0°00'20	
minimum elong	-309 Nov 22 j 05:38	25°♏52'39	0°00'20	
behind sun begin	-309 Nov 21 j 03:03	24°♏28'58		
behind sun end	-309 Nov 23 j 08:13	27°♏16'20		
desc. node	-309 Nov 22 j 08:50	26°♏02'44		
max. Earth dist.	-309 Nov 23 j 21:32	27°♏58'12	1.71015 AU	
	-309 Nov 25 j 12:14	0°♐		
	-309 Dec 19 j 09:00	0°♑		
evening rise	-308 Jan 03 j 02:41	18°♑28'07		
	-308 Jan 12 j 08:00	0°♒		
	-308 Feb 05 j 10:35	0°♓		
	-308 Feb 29 j 18:48	0°♈		
asc. node	-308 Mar 14 j 11:40	16°♈42'56		
	-308 Mar 25 j 11:13	0°♉		
	-308 Apr 19 j 15:16	0°♊		
	-308 May 15 j 12:58	0°♋		
	-308 Jun 11 j 19:02	0°♌		
evening max el	-308 Jun 30 j 15:03	19°♌03'27	45°43'34	
desc. node	-308 Jul 04 j 01:25	22°♌17'57		
	-308 Jul 12 j 16:05	0°♍		
greatest brilliancy	-308 Aug 07 j 23:55	17°♍05'23	-4.5m	
retrograde	-308 Aug 18 j 15:54	19°♍08'34		
evening set	-308 Sep 05 j 12:47	13°♍14'00		
inferior conj	-308 Sep 08 j 15:18	11°♍21'49	-8°-35'-33	
minimum elong	-308 Sep 08 j 20:25	11°♍14'00	8°35'12	
min. Earth dist.	-308 Sep 09 j 10:24	10°♍52'41	0.27552 AU	
morning rise	-308 Sep 12 j 03:48	9°♍14'15		
direct	-308 Sep 29 j 14:01	3°♍25'55		
greatest brilliancy	-308 Oct 13 j 14:54	7°♍00'35	-4.6m	
asc. node	-308 Oct 25 j 04:07	14°♍08'22		
	-308 Nov 12 j 11:44	0°♎		
morning max el	-308 Nov 19 j 08:30	6°♎50'25	46°54'41	
	-308 Dec 10 j 18:55	0°♏		
	-307 Jan 05 j 16:59	0°♐		
	-307 Jan 30 j 20:22	0°♑		
desc. node	-307 Feb 13 j 18:23	16°♑46'38		
	-307 Feb 24 j 16:38	0°♒		
	-307 Mar 21 j 09:58	0°♓		
	-307 Apr 15 j 01:48	0°♈		
	-307 May 09 j 16:16	0°♉		
morning set	-307 May 23 j 02:26	16°♉24'27		
	-307 Jun 03 j 04:42	0°♊		
asc. node	-307 Jun 06 j 21:08	4°♊31'12		
max. Earth dist.	-307 Jun 25 j 05:20	27°♊04'33	1.73335 AU	
	-307 Jun 27 j 14:15	0°♋		
superior conj	-307 Jun 28 j 07:51	0°♋54'16	0°47'50	
minimum elong	-307 Jun 27 j 23:50	0°♋29'31	0°47'31	
	-307 Jul 21 j 20:43	0°♌		
evening rise	-307 Aug 03 j 05:24	15°♌19'53		
	-307 Aug 15 j 00:56	0°♍		
	-307 Sep 08 j 04:25	0°♎		
desc. node	-307 Sep 26 j 11:11	22°♎41'30		
	-307 Oct 02 j 08:41	0°♏		
	-307 Oct 26 j 15:04	0°♐		
	-307 Nov 20 j 01:41	0°♑		
	-307 Dec 14 j 21:36	0°♒		
	-306 Jan 09 j 14:52	0°♓		
asc. node	-306 Jan 17 j 13:46	8°♓53'59		
evening max el	-306 Feb 06 j 02:39	29°♓30'36	46°13'08	
	-306 Feb 06 j 14:30	0°♈		
greatest brilliancy	-306 Mar 12 j 22:51	27°♈11'47	-4.5m	
	-306 Mar 20 j 03:56	0°♉		
retrograde	-306 Mar 27 j 18:21	1°♉05'39		
	-306 Apr 04 j 02:22	30°℞♈		
evening set	-306 Apr 12 j 20:49	26°♈02'55		
inferior conj	-306 Apr 18 j 04:07	22°♈48'04	4°38'04	
minimum elong	-306 Apr 18 j 12:41	22°♈34'34	4°36'00	
min. Earth dist.	-306 Apr 18 j 09:41	22°♈39'16	0.28992 AU	
morning rise	-306 Apr 24 j 04:38	19°♈08'40		
desc. node	-306 May 09 j 03:36	14°♈28'56		
direct	-306 May 09 j 17:16	14°♈28'33		
greatest brilliancy	-306 May 22 j 21:22	17°♈30'54	-4.5m	
	-306 Jun 11 j 10:27	0°♉		
morning max el	-306 Jun 27 j 13:23	14°♉14'56	45°47'09	
	-306 Jul 13 j 06:08	0°♊		
	-306 Aug 09 j 14:17	0°♋		
asc. node	-306 Aug 30 j 06:46	24°♋05'15		
	-306 Sep 04 j 05:57	0°♌		
	-306 Sep 28 j 23:17	0°♍		
	-306 Oct 23 j 03:59	0°♎		
	-306 Nov 16 j 02:43	0°♏		
	-306 Dec 09 j 23:52	0°♐		
desc. node	-306 Dec 19 j 20:39	12°♐23'11		
morning set	-306 Dec 28 j 03:56	22°♐48'03		
	-305 Jan 02 j 21:47	0°♑		
	-305 Jan 26 j 21:30	0°♒		
superior conj	-305 Feb 07 j 11:34	14°♒26'45	-1°-23'-44	
minimum elong	-305 Feb 07 j 07:18	14°♒13'29	1°23'42	
max. Earth dist.	-305 Feb 11 j 10:27	19°♒22'05	1.72167 AU	
	-305 Feb 19 j 23:45	0°♓		
	-305 Mar 16 j 05:19	0°♈		
evening rise	-305 Mar 18 j 17:53	3°♈06'47		
	-305 Apr 09 j 14:51	0°♉		
asc. node	-305 Apr 11 j 23:30	2°♉53'30		
	-305 May 04 j 04:48	0°♊		
	-305 May 28 j 23:50	0°♋		
	-305 Jun 23 j 01:41	0°♌		
	-305 Jul 18 j 14:25	0°♍		
desc. node	-305 Aug 01 j 13:19	16°♍02'43		
	-305 Aug 13 j 22:45	0°♎		
	-305 Sep 11 j 03:07	0°♏		
evening max el	-305 Sep 13 j 04:52	2°♏03'46	46°59'27	
	-305 Oct 17 j 20:02	0°♐		
greatest brilliancy	-305 Oct 22 j 04:49	2°♐00'58	-4.7m	
retrograde	-305 Nov 02 j 13:17	4°♐24'51		

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

evening set	-305 Nov 16 j 20:52	0°♐18'48	
	-305 Nov 17 j 10:45	30°℞♏	
asc. node	-305 Nov 22 j 16:02	26°♏55'54	
inferior conj	-305 Nov 23 j 00:45	26°♏42'37	0°05'40
minimum elong	-305 Nov 23 j 00:32	26°♏42'57	0°05'36
transit middle	-305 Nov 23 j 00:32	26°♏42'57	0°05'36
transit begin	-305 Nov 22 j 20:42	26°♏48'48	
transit end	-305 Nov 23 j 04:23	26°♏37'06	
min. Earth dist.	-305 Nov 22 j 18:25	26°♏52'16	0.26345 AU
morning rise	-305 Nov 29 j 04:30	23°♏08'01	
direct	-305 Dec 13 j 08:15	19°♏07'41	
greatest brilliancy	-305 Dec 24 j 23:03	21°♏40'30	-4.7m
	-304 Jan 08 j 01:47	0°♐	
morning max el	-304 Feb 01 j 14:08	21°♐44'58	46°39'14
	-304 Feb 09 j 16:14	0°♑	
	-304 Mar 08 j 04:03	0°♒	
desc. node	-304 Mar 13 j 06:17	5°♒46'02	
	-304 Apr 03 j 07:00	0°♓	
	-304 Apr 28 j 19:25	0°♈	
	-304 May 23 j 23:09	0°♉	
	-304 Jun 17 j 19:46	0°♊	
asc. node	-304 Jul 04 j 09:04	20°♊10'38	
	-304 Jul 12 j 09:21	0°♋	
morning set	-304 Jul 29 j 18:11	21°♋25'22	
	-304 Aug 05 j 16:15	0°♌	
	-304 Aug 29 j 17:54	0°♍	
max. Earth dist.	-304 Sep 01 j 11:56	3°♍26'30	1.71837 AU
superior conj	-304 Sep 04 j 20:53	7°♍39'46	1°23'04
minimum elong	-304 Sep 05 j 00:35	7°♍51'20	1°23'02
	-304 Sep 22 j 16:31	0°♎	
evening rise	-304 Oct 14 j 02:42	26°♎53'11	
	-304 Oct 16 j 14:15	0°♏	
desc. node	-304 Oct 23 j 23:02	9°♏14'36	
	-304 Nov 09 j 12:28	0°♐	
	-304 Dec 03 j 12:17	0°♑	
	-304 Dec 27 j 15:27	0°♒	
	-303 Jan 21 j 01:23	0°♓	
asc. node	-303 Feb 14 j 01:46	28°♓54'11	
	-303 Feb 14 j 23:58	0°♈	
	-303 Mar 12 j 21:31	0°♉	
	-303 Apr 09 j 18:17	0°♊	
evening max el	-303 Apr 17 j 22:13	8°♊03'32	45°19'06
	-303 May 14 j 17:16	0°♋	
greatest brilliancy	-303 May 22 j 14:08	4°♋16'13	-4.5m
retrograde	-303 Jun 05 j 07:33	7°♋32'32	
desc. node	-303 Jun 05 j 15:39	7°♋32'24	
evening set	-303 Jun 20 j 16:16	3°♋03'44	
	-303 Jun 25 j 20:23	30°℞♊	
inferior conj	-303 Jun 26 j 18:06	29°♊26'14	-4°-41'-24
minimum elong	-303 Jun 26 j 09:08	29°♊40'11	4°39'11
min. Earth dist.	-303 Jun 26 j 21:30	29°♊20'56	0.28815 AU
morning rise	-303 Jul 02 j 01:42	26°♊13'19	
direct	-303 Jul 18 j 10:06	21°♊10'50	
greatest brilliancy	-303 Aug 01 j 17:20	24°♊45'12	-4.5m
	-303 Aug 10 j 20:16	0°♋	
morning max el	-303 Sep 06 j 00:10	22°♋15'38	46°19'05
	-303 Sep 13 j 15:35	0°♌	
asc. node	-303 Sep 26 j 18:29	14°♌04'29	
	-303 Oct 10 j 20:23	0°♍	
	-303 Nov 05 j 04:22	0°♎	
	-303 Nov 29 j 17:44	0°♏	
	-303 Dec 23 j 23:51	0°♐	
desc. node	-302 Jan 16 j 08:34	28°♐59'18	
	-302 Jan 17 j 04:08	0°♑	
	-302 Feb 10 j 08:56	0°♒	
	-302 Mar 06 j 15:09	0°♓	
morning set	-302 Mar 13 j 05:31	8°♓08'46	
	-302 Mar 30 j 23:03	0°♈	
superior conj	-302 Apr 19 j 18:42	24°♈22'43	0°-44'-20
minimum elong	-302 Apr 20 j 02:48	24°♈47'39	0°44'00
max. Earth dist.	-302 Apr 20 j 20:00	25°♈40'28	1.73510 AU
	-302 Apr 24 j 08:30	0°♉	
asc. node	-302 May 09 j 11:24	18°♉34'16	
	-302 May 18 j 18:55	0°♊	
evening rise	-302 May 26 j 07:27	9°♊13'45	
	-302 Jun 12 j 05:47	0°♋	
	-302 Jul 06 j 17:11	0°♌	
	-302 Jul 31 j 06:13	0°♍	
	-302 Aug 24 j 22:41	0°♎	
desc. node	-302 Aug 29 j 01:17	4°♎58'08	
	-302 Sep 18 j 21:05	0°♏	
	-302 Oct 14 j 06:15	0°♐	
	-302 Nov 09 j 15:37	0°♑	
evening max el	-302 Nov 24 j 12:11	15°♑48'08	47°20'49
	-302 Dec 09 j 05:17	0°♒	
asc. node	-302 Dec 20 j 04:01	8°♒59'54	
greatest brilliancy	-301 Jan 01 j 02:16	16°♒20'56	-4.7m
retrograde	-301 Jan 14 j 12:56	19°♒43'20	
evening set	-301 Jan 31 j 22:48	13°♒47'09	
min. Earth dist.	-301 Feb 03 j 16:55	12°♒04'11	0.27867 AU
inferior conj	-301 Feb 04 j 13:02	11°♒32'21	8°26'03
minimum elong	-301 Feb 04 j 08:31	11°♒39'29	8°25'44
morning rise	-301 Feb 07 j 18:31	9°♒31'24	
direct	-301 Feb 25 j 08:46	3°♒33'49	
greatest brilliancy	-301 Mar 08 j 02:30	5°♒40'26	-4.6m
desc. node	-301 Apr 10 j 17:52	29°♒34'29	
	-301 Apr 11 j 04:51	0°♓	
morning max el	-301 Apr 15 j 10:02	3°♓59'31	45°57'59
	-301 May 10 j 17:26	0°♈	
	-301 Jun 06 j 16:26	0°♉	
	-301 Jul 02 j 12:39	0°♊	
	-301 Jul 27 j 15:37	0°♋	
asc. node	-301 Aug 01 j 20:56	6°♋19'23	
	-301 Aug 21 j 05:28	0°♌	
greatest brilliancy	-301 Sep 12 j 11:30	27°♌35'51	-3.9m
	-301 Sep 14 j 09:41	0°♍	
	-301 Oct 08 j 07:58	0°♎	
morning set	-301 Oct 10 j 00:57	2°♎08'53	
	-301 Nov 01 j 03:42	0°♏	
superior conj	-301 Nov 19 j 14:59	23°♏16'17	0°04'23
minimum elong	-301 Nov 19 j 16:09	23°♏19'57	0°04'19
behind sun begin	-301 Nov 18 j 14:15	21°♏58'25	
behind sun end	-301 Nov 20 j 18:02	24°♏41'28	
max. Earth dist.	-301 Nov 21 j 01:18	25°♏04'19	1.71009 AU
desc. node	-301 Nov 21 j 10:57	25°♏34'41	
	-301 Nov 24 j 23:15	0°♐	
	-301 Dec 18 j 20:02	0°♑	
evening rise	-301 Dec 31 j 12:39	15°♑54'33	
	-300 Jan 11 j 19:04	0°♒	
	-300 Feb 04 j 21:43	0°♓	
	-300 Feb 29 j 06:06	0°♈	
asc. node	-300 Mar 13 j 13:40	16°♈14'05	
	-300 Mar 24 j 22:54	0°♉	
	-300 Apr 19 j 03:44	0°♊	
	-300 May 15 j 03:00	0°♋	
	-300 Jun 11 j 12:44	0°♌	
evening max el	-300 Jun 28 j 04:55	16°♌46'52	45°41'33
desc. node	-300 Jul 03 j 03:35	21°♌25'05	
	-300 Jul 12 j 23:33	0°♍	
greatest brilliancy	-300 Aug 05 j 09:44	14°♍42'46	-4.5m
retrograde	-300 Aug 16 j 05:27	16°♍49'14	

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

evening set	-300 Sep 03 j 03:28	10°♍51'55		
inferior conj	-300 Sep 06 j 04:55	9°♍01'23	-8°-40'-1	
minimum elong	-300 Sep 06 j 09:14	8°♍54'48	8°39'45	
min. Earth dist.	-300 Sep 06 j 23:27	8°♍33'08	0.27621 AU	
morning rise	-300 Sep 09 j 14:45	6°♍57'54		
direct	-300 Sep 27 j 04:42	1°♍04'19		
greatest brilliancy	-300 Oct 11 j 07:20	4°♍41'31	-4.6m	
asc. node	-300 Oct 24 j 06:14	12°♍52'54		
	-300 Nov 12 j 12:30	0°♎		
morning max el	-300 Nov 16 j 23:42	4°♎29'28	46°54'10	
	-300 Dec 10 j 11:53	0°♏		
	-299 Jan 05 j 07:15	0°♐		
	-299 Jan 30 j 09:16	0°♑		
desc. node	-299 Feb 12 j 20:27	16°♑15'33		
	-299 Feb 24 j 04:40	0°♒		
	-299 Mar 20 j 21:25	0°♓		
	-299 Apr 14 j 12:50	0°♈		
	-299 May 09 j 03:02	0°♉		
morning set	-299 May 20 j 20:59	14°♉21'38		
	-299 Jun 02 j 15:20	0°♊		
asc. node	-299 Jun 05 j 23:20	4°♊05'25		
max. Earth dist.	-299 Jun 23 j 04:17	25°♊14'47	1.73366 AU	
superior conj	-299 Jun 26 j 02:35	28°♊51'23	0°45'15	
minimum elong	-299 Jun 25 j 18:49	28°♊27'25	0°44'55	
	-299 Jun 27 j 00:50	0°♋		
	-299 Jul 21 j 07:22	0°♌		
evening rise	-299 Jul 31 j 23:16	13°♌13'12		
	-299 Aug 14 j 11:45	0°♍		
	-299 Sep 07 j 15:30	0°♎		
desc. node	-299 Sep 25 j 13:13	22°♎12'31		
	-299 Oct 01 j 20:09	0°♏		
	-299 Oct 26 j 03:00	0°♐		
	-299 Nov 19 j 14:16	0°♑		
	-299 Dec 14 j 11:12	0°♒		
	-298 Jan 09 j 06:36	0°♓		
asc. node	-298 Jan 16 j 15:53	8°♓13'26		
evening max el	-298 Feb 03 j 18:53	27°♓18'13	46°15'56	
	-298 Feb 06 j 12:32	0°♈		
greatest brilliancy	-298 Mar 10 j 15:46	25°♈02'57	-4.5m	
retrograde	-298 Mar 25 j 11:35	28°♈56'45		
evening set	-298 Apr 10 j 15:52	23°♈50'20		
inferior conj	-298 Apr 15 j 20:37	20°♈38'51	4°54'27	
minimum elong	-298 Apr 16 j 05:28	20°♈24'54	4°52'21	
min. Earth dist.	-298 Apr 16 j 01:31	20°♈31'08	0.28980 AU	
morning rise	-298 Apr 21 j 19:16	17°♈02'13		
direct	-298 May 07 j 09:56	12°♈19'38		
desc. node	-298 May 08 j 05:46	12°♈20'26		
greatest brilliancy	-298 May 20 j 11:12	15°♈19'39	-4.5m	
	-298 Jun 11 j 17:45	0°♉		
morning max el	-298 Jun 25 j 06:26	12°♉08'24	45°46'43	
	-298 Jul 12 j 23:32	0°♊		
	-298 Aug 09 j 04:12	0°♋		
asc. node	-298 Aug 29 j 08:44	23°♋33'32		
	-298 Sep 03 j 18:23	0°♌		
	-298 Sep 28 j 11:00	0°♍		
	-298 Oct 22 j 15:21	0°♎		
	-298 Nov 15 j 13:55	0°♏		
	-298 Dec 09 j 10:59	0°♐		
desc. node	-298 Dec 18 j 22:48	11°♐55'16		
morning set	-298 Dec 25 j 13:34	20°♐13'15		
	-297 Jan 02 j 08:47	0°♑		
	-297 Jan 26 j 08:24	0°♒		
superior conj	-297 Feb 04 j 23:30	12°♒00'31	-1°-22'-56	
minimum elong	-297 Feb 04 j 18:18	11°♒44'20	1°22'54	
max. Earth dist.	-297 Feb 09 j 00:33	17°♒02'46	1.72111 AU	
	-297 Feb 19 j 10:34	0°♓		
	-297 Mar 15 j 16:07	0°♈		
evening rise	-297 Mar 16 j 08:33	0°♈50'42		
	-297 Apr 09 j 01:43	0°♉		
asc. node	-297 Apr 11 j 01:37	2°♉26'37		
	-297 May 03 j 15:54	0°♊		
	-297 May 28 j 11:22	0°♋		
	-297 Jun 22 j 13:59	0°♌		
	-297 Jul 18 j 04:04	0°♍		
desc. node	-297 Jul 31 j 15:21	15°♍26'28		
	-297 Aug 13 j 15:01	0°♎		
evening max el	-297 Sep 10 j 19:10	29°♎42'51	46°57'07	
	-297 Sep 11 j 02:08	0°♏		
greatest brilliancy	-297 Oct 19 j 19:17	29°♏34'42	-4.7m	
	-297 Oct 20 j 21:52	0°♐		
retrograde	-297 Oct 31 j 01:27	1°♐55'39		
	-297 Nov 09 j 18:23	30°℞♏		
evening set	-297 Nov 14 j 10:04	27°♏49'16		
inferior conj	-297 Nov 20 j 12:59	24°♏14'16	0°-18'-57	
minimum elong	-297 Nov 20 j 13:43	24°♏13'09	0°18'44	
min. Earth dist.	-297 Nov 20 j 08:13	24°♏21'32	0.26339 AU	
asc. node	-297 Nov 21 j 18:10	23°♏29'52		
morning rise	-297 Nov 26 j 17:35	20°♏38'18		
direct	-297 Dec 10 j 20:50	16°♏39'33		
greatest brilliancy	-297 Dec 22 j 12:54	19°♏13'30	-4.7m	
	-296 Jan 08 j 19:47	0°♐		
morning max el	-296 Jan 30 j 02:58	19°♐19'40	46°40'20	
	-296 Feb 09 j 12:16	0°♑		
	-296 Mar 07 j 19:22	0°♒		
desc. node	-296 Mar 12 j 08:15	5°♒09'23		
	-296 Apr 02 j 20:16	0°♓		
	-296 Apr 28 j 07:33	0°♈		
	-296 May 23 j 10:36	0°♉		
	-296 Jun 17 j 06:48	0°♊		
asc. node	-296 Jul 03 j 11:07	19°♊43'44		
	-296 Jul 11 j 20:10	0°♋		
morning set	-296 Jul 27 j 11:09	19°♋16'05		
	-296 Aug 05 j 02:59	0°♌		
	-296 Aug 29 j 04:40	0°♍		
max. Earth dist.	-296 Aug 29 j 22:54	0°♍57'00	1.71890 AU	
superior conj	-296 Sep 02 j 12:22	5°♍24'20	1°23'39	
minimum elong	-296 Sep 02 j 15:17	5°♍33'27	1°23'37	
	-296 Sep 22 j 03:23	0°♎		
evening rise	-296 Oct 11 j 14:24	24°♎24'56		
	-296 Oct 16 j 01:14	0°♏		
desc. node	-296 Oct 23 j 01:13	8°♏46'52		
	-296 Nov 08 j 23:36	0°♐		
	-296 Dec 02 j 23:36	0°♑		
	-296 Dec 27 j 03:03	0°♒		
	-295 Jan 20 j 13:27	0°♓		
asc. node	-295 Feb 13 j 03:43	28°♓21'45		
	-295 Feb 14 j 12:55	0°♈		
	-295 Mar 12 j 12:18	0°♉		
	-295 Apr 09 j 14:02	0°♊		
evening max el	-295 Apr 15 j 13:03	5°♊50'38	45°19'48	
	-295 May 16 j 00:58	0°♋		
greatest brilliancy	-295 May 20 j 04:15	2°♋04'48	-4.5m	
retrograde	-295 Jun 02 j 22:56	5°♋23'24		
desc. node	-295 Jun 04 j 17:46	5°♋19'43		
evening set	-295 Jun 18 j 06:33	0°♋56'30		
	-295 Jun 19 j 22:40	30°℞♊		
inferior conj	-295 Jun 24 j 10:10	27°♊16'43	-4°-24'-17	
minimum elong	-295 Jun 24 j 01:35	27°♊30'06	4°22'07	
min. Earth dist.	-295 Jun 24 j 13:57	27°♊10'51	0.28833 AU	
morning rise	-295 Jun 29 j 20:13	24°♊00'05		
direct	-295 Jul 16 j 01:48	19°♊00'50		

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

greatest brilliancy	-295 Jul 30 j 09:23	22°♊34'40	-4.5m
	-295 Aug 11 j 15:32	0°♋	
morning max el	-295 Sep 03 j 14:25	19°♋58'22	46°17'39
	-295 Sep 13 j 10:47	0°♌	
asc. node	-295 Sep 25 j 20:36	13°♌24'17	
	-295 Oct 10 j 11:17	0°♍	
	-295 Nov 04 j 17:34	0°♎	
	-295 Nov 29 j 06:03	0°♏	
	-295 Dec 23 j 11:37	0°♐	
desc. node	-294 Jan 15 j 10:37	28°♐30'13	
	-294 Jan 16 j 15:33	0°♑	
	-294 Feb 09 j 20:05	0°♒	
	-294 Mar 06 j 02:07	0°♓	
morning set	-294 Mar 10 j 20:28	5°♓53'04	
	-294 Mar 30 j 09:54	0°♈	
superior conj	-294 Apr 17 j 11:55	22°♈15'05	0°-47'-4
minimum elong	-294 Apr 17 j 20:21	22°♈41'02	0°46'44
max. Earth dist.	-294 Apr 18 j 14:32	23°♈36'53	1.73484 AU
	-294 Apr 23 j 19:15	0°♉	
asc. node	-294 May 08 j 13:34	18°♉07'53	
	-294 May 18 j 05:41	0°♊	
evening rise	-294 May 24 j 02:13	7°♊10'57	
	-294 Jun 11 j 16:41	0°♋	
	-294 Jul 06 j 04:23	0°♌	
	-294 Jul 30 j 17:53	0°♍	
	-294 Aug 24 j 11:01	0°♎	
desc. node	-294 Aug 28 j 03:17	4°♎26'31	
	-294 Sep 18 j 10:26	0°♏	
	-294 Oct 13 j 21:16	0°♐	
	-294 Nov 09 j 10:07	0°♑	
evening max el	-294 Nov 22 j 02:06	13°♑24'12	47°21'57
	-294 Dec 09 j 12:29	0°♒	
asc. node	-294 Dec 19 j 06:06	7°♒42'40	
greatest brilliancy	-294 Dec 29 j 18:24	14°♒01'31	-4.7m
retrograde	-293 Jan 12 j 03:53	17°♒23'22	
evening set	-293 Jan 29 j 10:54	11°♒31'33	
min. Earth dist.	-293 Feb 01 j 07:05	9°♒45'48	0.27803 AU
inferior conj	-293 Feb 02 j 03:47	9°♒13'07	8°21'06
minimum elong	-293 Feb 01 j 22:32	9°♒21'24	8°20'41
morning rise	-293 Feb 05 j 10:26	7°♒10'38	
direct	-293 Feb 22 j 22:13	1°♒15'23	
greatest brilliancy	-293 Mar 05 j 16:32	3°♒22'30	-4.6m
desc. node	-293 Apr 09 j 20:06	28°♒42'03	
	-293 Apr 11 j 05:06	0°♓	
morning max el	-293 Apr 13 j 00:43	1°♓44'15	45°59'08
	-293 May 10 j 09:47	0°♈	
	-293 Jun 06 j 06:06	0°♉	
	-293 Jul 02 j 01:00	0°♊	
	-293 Jul 27 j 03:17	0°♋	
asc. node	-293 Jul 31 j 22:56	5°♋50'21	
	-293 Aug 20 j 16:47	0°♌	
	-293 Sep 13 j 20:50	0°♍	
greatest brilliancy	-293 Sep 15 j 11:30	2°♍00'49	-3.9m
morning set	-293 Oct 07 j 13:42	29°♍43'10	
	-293 Oct 07 j 19:04	0°♎	
	-293 Oct 31 j 14:48	0°♏	
superior conj	-293 Nov 17 j 00:30	20°♏40'00	0°08'23
minimum elong	-293 Nov 17 j 02:45	20°♏47'05	0°08'16
behind sun begin	-293 Nov 16 j 03:30	19°♏33'53	
behind sun end	-293 Nov 18 j 01:59	22°♏00'16	
max. Earth dist.	-293 Nov 18 j 07:41	22°♏18'13	1.71006 AU
desc. node	-293 Nov 20 j 13:03	25°♏06'13	
	-293 Nov 24 j 10:24	0°♐	
	-293 Dec 18 j 07:13	0°♑	
evening rise	-293 Dec 28 j 22:45	13°♑20'58	
	-292 Jan 11 j 06:16	0°♒	
	-292 Feb 04 j 08:58	0°♓	
	-292 Feb 28 j 17:32	0°♈	
asc. node	-292 Mar 12 j 15:47	15°♈45'10	
	-292 Mar 24 j 10:47	0°♉	
	-292 Apr 18 j 16:29	0°♊	
	-292 May 14 j 17:29	0°♋	
	-292 Jun 11 j 07:15	0°♌	
evening max el	-292 Jun 25 j 19:38	14°♌31'25	45°39'34
desc. node	-292 Jul 02 j 05:36	20°♌29'48	
	-292 Jul 13 j 10:19	0°♍	
greatest brilliancy	-292 Aug 02 j 19:39	12°♍19'31	-4.5m
retrograde	-292 Aug 13 j 19:05	14°♍28'53	
evening set	-292 Aug 31 j 17:48	8°♍29'39	
inferior conj	-292 Sep 03 j 18:30	6°♍40'06	-8°-43'-32
minimum elong	-292 Sep 03 j 21:59	6°♍34'47	8°43'23
min. Earth dist.	-292 Sep 04 j 12:07	6°♍13'14	0.27683 AU
morning rise	-292 Sep 07 j 01:58	4°♍40'09	
	-292 Sep 16 j 20:32	30°℞♌	
direct	-292 Sep 24 j 19:42	28°♌42'15	
	-292 Oct 03 j 00:57	0°♍	
greatest brilliancy	-292 Oct 08 j 22:32	2°♍20'17	-4.6m
asc. node	-292 Oct 23 j 08:26	11°♍39'12	
	-292 Nov 12 j 12:23	0°♎	
morning max el	-292 Nov 14 j 14:47	2°♎07'47	46°53'31
	-292 Dec 10 j 04:44	0°♏	
	-291 Jan 04 j 21:36	0°♐	
	-291 Jan 29 j 22:18	0°♑	
desc. node	-291 Feb 11 j 22:25	15°♑43'32	
	-291 Feb 23 j 16:54	0°♒	
	-291 Mar 20 j 09:04	0°♓	
	-291 Apr 14 j 00:06	0°♈	
	-291 May 08 j 14:03	0°♉	
morning set	-291 May 18 j 15:32	12°♉18'03	
	-291 Jun 02 j 02:14	0°♊	
asc. node	-291 Jun 05 j 01:21	3°♊38'10	
max. Earth dist.	-291 Jun 21 j 02:03	23°♊20'25	1.73400 AU
superior conj	-291 Jun 23 j 21:09	26°♊47'04	0°42'35
minimum elong	-291 Jun 23 j 13:41	26°♊24'05	0°42'16
	-291 Jun 26 j 11:45	0°♋	
	-291 Jul 20 j 18:22	0°♌	
evening rise	-291 Jul 29 j 16:55	11°♌04'45	
	-291 Aug 13 j 22:56	0°♍	
	-291 Sep 07 j 02:57	0°♎	
desc. node	-291 Sep 24 j 15:21	21°♎42'52	
	-291 Oct 01 j 07:58	0°♏	
	-291 Oct 25 j 15:17	0°♐	
	-291 Nov 19 j 03:12	0°♑	
	-291 Dec 14 j 01:14	0°♒	
	-290 Jan 08 j 22:56	0°♓	
asc. node	-290 Jan 15 j 17:53	7°♓31'10	
evening max el	-290 Feb 01 j 11:17	25°♓05'03	46°18'39
	-290 Feb 06 j 11:55	0°♈	
greatest brilliancy	-290 Mar 08 j 09:53	22°♈54'39	-4.5m
retrograde	-290 Mar 23 j 04:28	26°♈46'44	
evening set	-290 Apr 08 j 11:01	21°♈36'50	
inferior conj	-290 Apr 13 j 13:09	18°♈28'44	5°10'19
minimum elong	-290 Apr 13 j 22:14	18°♈14'22	5°08'14
min. Earth dist.	-290 Apr 13 j 17:24	18°♈22'01	0.28965 AU
morning rise	-290 Apr 19 j 09:42	14°♈54'53	
direct	-290 May 05 j 02:40	10°♈10'00	
desc. node	-290 May 07 j 07:49	10°♈15'41	
greatest brilliancy	-290 May 18 j 00:11	13°♈06'28	-4.5m
	-290 Jun 11 j 23:14	0°♉	
morning max el	-290 Jun 22 j 22:33	9°♉58'44	45°46'12
	-290 Jul 12 j 16:57	0°♊	

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

	-290 Aug 08 j 18:23	0°♋	
asc. node	-290 Aug 28 j 10:52	23°♋01'15	
	-290 Sep 03 j 07:11	0°♌	
	-290 Sep 27 j 23:07	0°♍	
	-290 Oct 22 j 03:06	0°♎	
	-290 Nov 15 j 01:29	0°♏	
	-290 Dec 08 j 22:24	0°♐	
desc. node	-290 Dec 18 j 00:46	11°♐25'46	
morning set	-290 Dec 22 j 23:09	17°♐37'10	
	-289 Jan 01 j 20:06	0°♑	
	-289 Jan 25 j 19:37	0°♒	
superior conj	-289 Feb 02 j 11:19	9°♒32'53	-1°-21'-58
minimum elong	-289 Feb 02 j 05:15	9°♒13'57	1°21'55
max. Earth dist.	-289 Feb 06 j 15:28	14°♒44'53	1.72056 AU
	-289 Feb 18 j 21:44	0°♓	
evening rise	-289 Mar 13 j 23:05	28°♓33'03	
	-289 Mar 15 j 03:16	0°♈	
	-289 Apr 08 j 12:57	0°♉	
asc. node	-289 Apr 10 j 03:46	1°♉58'50	
	-289 May 03 j 03:21	0°♊	
	-289 May 27 j 23:16	0°♋	
	-289 Jun 22 j 02:42	0°♌	
	-289 Jul 17 j 18:15	0°♍	
desc. node	-289 Jul 30 j 17:21	14°♍48'35	
	-289 Aug 13 j 08:05	0°♎	
evening max el	-289 Sep 08 j 08:22	27°♎17'39	46°54'30
	-289 Sep 11 j 02:53	0°♏	
greatest brilliancy	-289 Oct 17 j 10:12	27°♏06'54	-4.7m
retrograde	-289 Oct 28 j 12:50	29°♏24'16	
evening set	-289 Nov 11 j 23:11	25°♏17'09	
inferior conj	-289 Nov 18 j 00:58	21°♏43'50	0°-43'-42
minimum elong	-289 Nov 18 j 02:38	21°♏41'18	0°43'11
min. Earth dist.	-289 Nov 17 j 22:07	21°♏48'11	0.26335 AU
asc. node	-289 Nov 20 j 20:11	20°♏02'17	
morning rise	-289 Nov 24 j 06:11	18°♏06'46	
direct	-289 Dec 08 j 08:39	14°♏09'10	
greatest brilliancy	-289 Dec 20 j 03:26	16°♏45'28	-4.7m
	-288 Jan 09 j 09:54	0°♐	
morning max el	-288 Jan 27 j 14:48	16°♐50'25	46°41'36
	-288 Feb 09 j 08:06	0°♑	
	-288 Mar 07 j 10:48	0°♒	
desc. node	-288 Mar 11 j 10:28	4°♒32'49	
	-288 Apr 02 j 09:44	0°♓	
	-288 Apr 27 j 19:57	0°♈	
	-288 May 22 j 22:21	0°♉	
	-288 Jun 16 j 18:08	0°♊	
asc. node	-288 Jul 02 j 13:10	19°♊15'50	
	-288 Jul 11 j 07:16	0°♋	
morning set	-288 Jul 25 j 04:18	17°♋06'31	
	-288 Aug 04 j 14:00	0°♌	
max. Earth dist.	-288 Aug 27 j 12:58	28°♌36'20	1.71951 AU
	-288 Aug 28 j 15:44	0°♍	
superior conj	-288 Aug 31 j 03:58	3°♍08'18	1°24'04
minimum elong	-288 Aug 31 j 06:05	3°♍14'56	1°24'04
	-288 Sep 21 j 14:36	0°♎	
evening rise	-288 Oct 09 j 02:05	21°♎55'30	
	-288 Oct 15 j 12:36	0°♏	
desc. node	-288 Oct 22 j 03:18	8°♏17'36	
	-288 Nov 08 j 11:08	0°♐	
	-288 Dec 02 j 11:19	0°♑	
	-288 Dec 26 j 15:01	0°♒	
	-287 Jan 20 j 01:53	0°♓	
asc. node	-287 Feb 12 j 05:52	27°♓48'53	
	-287 Feb 14 j 02:14	0°♈	
	-287 Mar 12 j 03:35	0°♉	
	-287 Apr 09 j 10:45	0°♊	
evening max el	-287 Apr 13 j 03:42	3°♊36'32	45°20'40
greatest brilliancy	-287 May 17 j 17:32	29°♊51'42	-4.5m
	-287 May 18 j 00:54	0°♋	
retrograde	-287 May 31 j 14:49	3°♋13'53	
desc. node	-287 Jun 03 j 19:47	3°♋01'49	
	-287 Jun 13 j 13:14	30°℞♊	
evening set	-287 Jun 15 j 21:01	28°♊48'23	
inferior conj	-287 Jun 22 j 02:17	25°♊06'38	-4°-6'-45
minimum elong	-287 Jun 21 j 18:05	25°♊19'22	4°04'39
min. Earth dist.	-287 Jun 22 j 06:14	25°♊00'28	0.28852 AU
morning rise	-287 Jun 27 j 14:43	21°♊46'37	
direct	-287 Jul 13 j 17:33	16°♊50'12	
greatest brilliancy	-287 Jul 28 j 02:23	20°♊24'58	-4.5m
	-287 Aug 12 j 06:08	0°♋	
morning max el	-287 Sep 01 j 05:21	17°♋42'26	46°16'16
	-287 Sep 13 j 05:41	0°♌	
asc. node	-287 Sep 24 j 22:46	12°♌44'10	
	-287 Oct 10 j 02:12	0°♍	
	-287 Nov 04 j 06:55	0°♎	
	-287 Nov 28 j 18:36	0°♏	
	-287 Dec 22 j 23:41	0°♐	
desc. node	-286 Jan 14 j 12:41	28°♐00'17	
	-286 Jan 16 j 03:15	0°♑	
	-286 Feb 09 j 07:30	0°♒	
	-286 Mar 05 j 13:18	0°♓	
morning set	-286 Mar 08 j 10:59	3°♓35'17	
	-286 Mar 29 j 20:54	0°♈	
superior conj	-286 Apr 15 j 04:58	20°♈06'23	0°-49'-44
minimum elong	-286 Apr 15 j 13:43	20°♈33'17	0°49'25
max. Earth dist.	-286 Apr 16 j 09:30	21°♈34'03	1.73457 AU
	-286 Apr 23 j 06:11	0°♉	
asc. node	-286 May 07 j 15:33	17°♉40'23	
	-286 May 17 j 16:38	0°♊	
evening rise	-286 May 21 j 21:03	5°♊07'54	
	-286 Jun 11 j 03:47	0°♋	
	-286 Jul 05 j 15:47	0°♌	
	-286 Jul 30 j 05:43	0°♍	
	-286 Aug 23 j 23:31	0°♎	
desc. node	-286 Aug 27 j 05:30	3°♎55'09	
	-286 Sep 17 j 23:57	0°♏	
	-286 Oct 13 j 12:34	0°♐	
	-286 Nov 09 j 05:17	0°♑	
evening max el	-286 Nov 19 j 16:36	11°♑01'07	47°22'47
	-286 Dec 09 j 22:46	0°♒	
asc. node	-286 Dec 18 j 08:06	6°♒21'53	
greatest brilliancy	-286 Dec 27 j 09:45	11°♒39'44	-4.7m
retrograde	-285 Jan 09 j 19:04	15°♒01'40	
evening set	-285 Jan 26 j 22:27	9°♒14'30	
min. Earth dist.	-285 Jan 29 j 20:43	7°♒25'57	0.27738 AU
inferior conj	-285 Jan 30 j 18:14	6°♒52'04	8°15'14
minimum elong	-285 Jan 30 j 12:16	7°♒01'27	8°14'41
morning rise	-285 Feb 03 j 02:23	4°♒47'41	
	-285 Feb 13 j 05:45	30°℞♑	
direct	-285 Feb 20 j 11:50	28°♑55'14	
	-285 Feb 28 j 01:13	0°♒	
greatest brilliancy	-285 Mar 03 j 05:55	1°♒02'38	-4.6m
desc. node	-285 Apr 08 j 22:09	27°♒49'43	
morning max el	-285 Apr 10 j 15:53	29°♒29'35	46°00'23
	-285 Apr 11 j 04:30	0°♓	
	-285 May 10 j 01:56	0°♈	
	-285 Jun 05 j 19:39	0°♉	
	-285 Jul 01 j 13:19	0°♊	
	-285 Jul 26 j 14:56	0°♋	
asc. node	-285 Jul 31 j 01:02	5°♋21'36	
	-285 Aug 20 j 04:06	0°♌	

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

	-285 Sep 13 j 07:58	0°♍	
greatest brilliancy	-285 Sep 17 j 19:12	5°♍35'12	-3.9m
morning set	-285 Oct 05 j 03:05	27°♍19'32	
	-285 Oct 07 j 06:08	0°♎	
	-285 Oct 31 j 01:52	0°♏	
superior conj	-285 Nov 14 j 10:28	18°♏05'18	0°12'19
minimum elong	-285 Nov 14 j 13:45	18°♏15'37	0°12'09
behind sun begin	-285 Nov 13 j 19:44	17°♏18'55	
behind sun end	-285 Nov 15 j 07:45	19°♏12'19	
max. Earth dist.	-285 Nov 15 j 16:44	19°♏40'37	1.71005 AU
desc. node	-285 Nov 19 j 15:03	24°♏37'34	
	-285 Nov 23 j 21:30	0°♐	
	-285 Dec 17 j 18:22	0°♑	
evening rise	-285 Dec 26 j 08:54	10°♑47'31	
	-284 Jan 10 j 17:28	0°♒	
	-284 Feb 03 j 20:16	0°♓	
	-284 Feb 28 j 05:01	0°♈	
asc. node	-284 Mar 11 j 17:54	15°♈16'10	
	-284 Mar 23 j 22:42	0°♉	
	-284 Apr 18 j 05:16	0°♊	
	-284 May 14 j 08:04	0°♋	
	-284 Jun 11 j 02:08	0°♌	
evening max el	-284 Jun 23 j 10:41	12°♌17'11	45°37'36
desc. node	-284 Jul 01 j 07:39	19°♌33'48	
	-284 Jul 14 j 00:27	0°♍	
greatest brilliancy	-284 Jul 31 j 06:45	9°♍58'19	-4.5m
retrograde	-284 Aug 11 j 08:38	12°♍09'19	
evening set	-284 Aug 29 j 07:53	6°♍09'10	
inferior conj	-284 Sep 01 j 08:14	4°♍19'52	-8°-46'-8
minimum elong	-284 Sep 01 j 10:51	4°♍15'52	8°46'04
min. Earth dist.	-284 Sep 02 j 00:58	3°♍54'17	0.27742 AU
morning rise	-284 Sep 04 j 13:39	2°♍22'48	
	-284 Sep 08 j 20:40	30°℞♌	
direct	-284 Sep 22 j 10:47	26°♌21'23	
greatest brilliancy	-284 Oct 06 j 12:55	29°♌58'47	-4.6m
	-284 Oct 06 j 13:55	0°♍	
asc. node	-284 Oct 22 j 10:21	10°♍27'47	
morning max el	-284 Nov 12 j 05:12	29°♍45'09	46°52'56
	-284 Nov 12 j 11:01	0°♎	
	-284 Dec 09 j 21:03	0°♏	
	-283 Jan 04 j 11:35	0°♐	
	-283 Jan 29 j 11:05	0°♑	
desc. node	-283 Feb 11 j 00:37	15°♑12'51	
	-283 Feb 23 j 04:55	0°♒	
	-283 Mar 19 j 20:34	0°♓	
	-283 Apr 13 j 11:13	0°♈	
	-283 May 08 j 00:55	0°♉	
morning set	-283 May 16 j 09:56	10°♉14'30	
	-283 Jun 01 j 12:57	0°♊	
asc. node	-283 Jun 04 j 03:24	3°♊11'37	
max. Earth dist.	-283 Jun 18 j 22:47	21°♊23'37	1.73429 AU
superior conj	-283 Jun 21 j 15:40	24°♊43'21	0°39'52
minimum elong	-283 Jun 21 j 08:33	24°♊21'27	0°39'34
	-283 Jun 25 j 22:27	0°♋	
	-283 Jul 20 j 05:09	0°♌	
evening rise	-283 Jul 27 j 10:41	8°♌57'24	
	-283 Aug 13 j 09:55	0°♍	
	-283 Sep 06 j 14:13	0°♎	
desc. node	-283 Sep 23 j 17:25	21°♎13'34	
	-283 Sep 30 j 19:35	0°♏	
	-283 Oct 25 j 03:22	0°♐	
	-283 Nov 18 j 15:54	0°♑	
	-283 Dec 13 j 15:01	0°♒	
	-282 Jan 08 j 15:08	0°♓	
asc. node	-282 Jan 14 j 20:01	6°♓49'56	
evening max el	-282 Jan 30 j 02:53	22°♓50'46	46°21'12
	-282 Feb 06 j 11:55	0°♈	
greatest brilliancy	-282 Mar 06 j 04:35	20°♈47'51	-4.5m
retrograde	-282 Mar 20 j 20:59	24°♈37'32	
evening set	-282 Apr 06 j 06:15	19°♈24'11	
inferior conj	-282 Apr 11 j 05:45	16°♈19'33	5°25'45
minimum elong	-282 Apr 11 j 15:00	16°♈04'54	5°23'41
min. Earth dist.	-282 Apr 11 j 09:35	16°♈13'29	0.28951 AU
morning rise	-282 Apr 17 j 00:01	12°♈48'36	
direct	-282 May 02 j 19:09	8°♈01'19	
desc. node	-282 May 06 j 09:49	8°♈16'13	
greatest brilliancy	-282 May 15 j 13:33	10°♈54'23	-4.5m
	-282 Jun 12 j 02:32	0°♉	
morning max el	-282 Jun 20 j 13:53	7°♉47'57	45°45'47
	-282 Jul 12 j 09:40	0°♊	
	-282 Aug 08 j 08:04	0°♋	
asc. node	-282 Aug 27 j 13:01	22°♋30'11	
	-282 Sep 02 j 19:33	0°♌	
	-282 Sep 27 j 10:51	0°♍	
	-282 Oct 21 j 14:30	0°♎	
	-282 Nov 14 j 12:42	0°♏	
	-282 Dec 08 j 09:30	0°♐	
desc. node	-282 Dec 17 j 02:54	10°♐57'47	
morning set	-282 Dec 20 j 08:57	15°♐02'47	
	-281 Jan 01 j 07:03	0°♑	
	-281 Jan 25 j 06:27	0°♒	
superior conj	-281 Jan 30 j 23:22	7°♒07'07	-1°-20'-52
minimum elong	-281 Jan 30 j 16:27	6°♒45'33	1°20'47
max. Earth dist.	-281 Feb 04 j 06:08	12°♒27'24	1.71996 AU
	-281 Feb 18 j 08:30	0°♓	
evening rise	-281 Mar 11 j 13:43	26°♓16'50	
	-281 Mar 14 j 14:02	0°♈	
	-281 Apr 07 j 23:49	0°♉	
asc. node	-281 Apr 09 j 05:45	1°♉31'37	
	-281 May 02 j 14:27	0°♊	
	-281 May 27 j 10:50	0°♋	
	-281 Jun 21 j 15:08	0°♌	
	-281 Jul 17 j 08:11	0°♍	
desc. node	-281 Jul 29 j 19:34	14°♍12'10	
	-281 Aug 13 j 01:04	0°♎	
evening max el	-281 Sep 05 j 20:29	24°♎51'11	46°51'55
	-281 Sep 11 j 04:21	0°♏	
greatest brilliancy	-281 Oct 15 j 00:58	24°♏40'15	-4.7m
retrograde	-281 Oct 26 j 00:10	26°♏54'33	
evening set	-281 Nov 09 j 12:31	22°♏45'57	
inferior conj	-281 Nov 15 j 13:00	19°♏14'49	-1°-8'-18
minimum elong	-281 Nov 15 j 15:36	19°♏10'52	1°07'30
min. Earth dist.	-281 Nov 15 j 12:12	19°♏16'03	0.26339 AU
asc. node	-281 Nov 19 j 22:17	16°♏37'55	
morning rise	-281 Nov 21 j 18:37	15°♏37'01	
direct	-281 Dec 05 j 20:12	11°♏39'46	
greatest brilliancy	-281 Dec 17 j 18:54	14°♏19'42	-4.7m
	-280 Jan 09 j 19:58	0°♐	
morning max el	-280 Jan 25 j 03:03	14°♐23'10	46°43'03
	-280 Feb 09 j 02:55	0°♑	
	-280 Mar 07 j 01:34	0°♒	
desc. node	-280 Mar 10 j 12:30	3°♒57'24	
	-280 Apr 01 j 22:39	0°♓	
	-280 Apr 27 j 07:50	0°♈	
	-280 May 22 j 09:37	0°♉	
	-280 Jun 16 j 05:03	0°♊	
asc. node	-280 Jul 01 j 15:19	18°♊49'28	
	-280 Jul 10 j 17:59	0°♋	
morning set	-280 Jul 22 j 21:33	14°♋58'24	
	-280 Aug 04 j 00:40	0°♌	
max. Earth dist.	-280 Aug 25 j 05:03	26°♌23'12	1.72008 AU

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

	-280 Aug 28 j 02:26	0°♍	
superior conj	-280 Aug 28 j 19:41	0°♍53'52	1°24'21
minimum elong	-280 Aug 28 j 21:01	0°♍58'05	1°24'22
	-280 Sep 21 j 01:25	0°♎	
evening rise	-280 Oct 06 j 14:02	19°♎28'17	
	-280 Oct 14 j 23:34	0°♏	
desc. node	-280 Oct 21 j 05:17	7°♏49'14	
	-280 Nov 07 j 22:17	0°♐	
	-280 Dec 01 j 22:41	0°♑	
	-280 Dec 26 j 02:41	0°♒	
	-279 Jan 19 j 14:01	0°♓	
asc. node	-279 Feb 11 j 08:00	27°♓17'02	
	-279 Feb 13 j 15:16	0°♈	
	-279 Mar 11 j 18:36	0°♉	
	-279 Apr 09 j 07:37	0°♊	
evening max el	-279 Apr 10 j 18:53	1°♊25'12	45°21'39
greatest brilliancy	-279 May 15 j 06:24	27°♊39'42	-4.5m
	-279 May 21 j 13:55	0°♋	
retrograde	-279 May 29 j 07:16	1°♋06'01	
desc. node	-279 Jun 02 j 21:52	0°♋40'53	
	-279 Jun 05 j 18:23	30°℞♊	
evening set	-279 Jun 13 j 11:49	26°♊41'37	
inferior conj	-279 Jun 19 j 18:29	22°♊58'00	-3°-49'-2
minimum elong	-279 Jun 19 j 10:44	23°♊10'01	3°47'00
min. Earth dist.	-279 Jun 19 j 22:20	22°♊52'01	0.28873 AU
morning rise	-279 Jun 25 j 09:17	19°♊34'54	
direct	-279 Jul 11 j 09:50	14°♊41'02	
greatest brilliancy	-279 Jul 25 j 19:48	18°♊17'13	-4.5m
	-279 Aug 12 j 16:30	0°♋	
morning max el	-279 Aug 29 j 21:25	15°♋30'28	46°14'49
	-279 Sep 12 j 23:46	0°♌	
asc. node	-279 Sep 24 j 00:44	12°♌04'48	
	-279 Oct 09 j 16:38	0°♍	
	-279 Nov 03 j 19:51	0°♎	
	-279 Nov 28 j 06:45	0°♏	
	-279 Dec 22 j 11:21	0°♐	
desc. node	-278 Jan 13 j 14:49	27°♐31'33	
	-278 Jan 15 j 14:36	0°♑	
	-278 Feb 08 j 18:37	0°♒	
	-278 Mar 05 j 00:12	0°♓	
morning set	-278 Mar 06 j 01:22	1°♓17'49	
	-278 Mar 29 j 07:37	0°♈	
superior conj	-278 Apr 12 j 22:03	17°♈58'35	0°-52'-21
minimum elong	-278 Apr 13 j 07:04	18°♈26'19	0°52'01
max. Earth dist.	-278 Apr 14 j 05:29	19°♈35'17	1.73426 AU
	-278 Apr 22 j 16:48	0°♉	
asc. node	-278 May 06 j 17:40	17°♉14'15	
	-278 May 17 j 03:16	0°♊	
evening rise	-278 May 19 j 16:03	3°♊06'23	
	-278 Jun 10 j 14:35	0°♋	
	-278 Jul 05 j 02:54	0°♌	
	-278 Jul 29 j 17:20	0°♍	
	-278 Aug 23 j 11:50	0°♎	
desc. node	-278 Aug 26 j 07:29	3°♎23'39	
	-278 Sep 17 j 13:22	0°♏	
	-278 Oct 13 j 03:52	0°♐	
	-278 Nov 09 j 00:44	0°♑	
evening max el	-278 Nov 17 j 07:57	8°♑41'03	47°23'38
	-278 Dec 10 j 12:07	0°♒	
asc. node	-278 Dec 17 j 10:16	4°♒59'32	
greatest brilliancy	-278 Dec 25 j 01:01	9°♒18'33	-4.7m
retrograde	-277 Jan 07 j 10:28	12°♒40'20	
evening set	-277 Jan 24 j 09:48	6°♒58'03	
min. Earth dist.	-277 Jan 27 j 10:00	5°♒06'48	0.27672 AU
inferior conj	-277 Jan 28 j 08:36	4°♒31'18	8°08'32
minimum elong	-277 Jan 28 j 01:59	4°♒41'42	8°07'49
morning rise	-277 Jan 31 j 18:31	2°♒24'36	
	-277 Feb 05 j 02:18	30°℞♑	
direct	-277 Feb 18 j 01:58	26°♑35'33	
greatest brilliancy	-277 Feb 28 j 18:26	28°♑42'13	-4.6m
	-277 Mar 03 j 20:43	0°♒	
desc. node	-277 Apr 08 j 00:08	26°♒58'46	
morning max el	-277 Apr 08 j 07:21	27°♒16'08	46°01'38
	-277 Apr 11 j 02:42	0°♓	
	-277 May 09 j 17:36	0°♈	
	-277 Jun 05 j 08:53	0°♉	
	-277 Jul 01 j 01:22	0°♊	
	-277 Jul 26 j 02:22	0°♋	
asc. node	-277 Jul 30 j 03:11	4°♋53'39	
	-277 Aug 19 j 15:13	0°♌	
	-277 Sep 12 j 18:58	0°♍	
greatest brilliancy	-277 Sep 19 j 14:28	8°♍31'20	-3.9m
morning set	-277 Oct 02 j 16:24	24°♍56'06	
	-277 Oct 06 j 17:06	0°♎	
	-277 Oct 30 j 12:52	0°♏	
superior conj	-277 Nov 11 j 20:15	15°♏30'15	0°16'15
minimum elong	-277 Nov 12 j 00:31	15°♏43'42	0°16'03
behind sun begin	-277 Nov 11 j 19:22	15°♏27'28	
behind sun end	-277 Nov 12 j 05:41	15°♏59'56	
max. Earth dist.	-277 Nov 13 j 00:09	16°♏58'07	1.71003 AU
desc. node	-277 Nov 18 j 17:12	24°♏09'35	
	-277 Nov 23 j 08:32	0°♐	
	-277 Dec 17 j 05:26	0°♑	
evening rise	-277 Dec 23 j 18:39	8°♑12'58	
	-276 Jan 10 j 04:34	0°♒	
	-276 Feb 03 j 07:28	0°♓	
	-276 Feb 27 j 16:28	0°♈	
asc. node	-276 Mar 10 j 19:53	14°♈46'51	
	-276 Mar 23 j 10:37	0°♉	
	-276 Apr 17 j 18:07	0°♊	
	-276 May 13 j 22:46	0°♋	
	-276 Jun 10 j 21:26	0°♌	
evening max el	-276 Jun 21 j 01:27	10°♌02'42	45°35'43
desc. node	-276 Jun 30 j 09:50	18°♌37'19	
	-276 Jul 14 j 19:04	0°♍	
greatest brilliancy	-276 Jul 28 j 18:42	7°♍38'48	-4.5m
retrograde	-276 Aug 08 j 21:47	9°♍50'33	
evening set	-276 Aug 26 j 21:42	3°♍50'16	
inferior conj	-276 Aug 29 j 22:07	2°♍00'32	-8°-47'-53
minimum elong	-276 Aug 29 j 23:51	1°♍57'54	8°47'51
min. Earth dist.	-276 Aug 30 j 14:12	1°♍35'55	0.27801 AU
morning rise	-276 Sep 02 j 01:50	0°♍05'42	
	-276 Sep 02 j 05:41	30°℞♌	
direct	-276 Sep 20 j 01:34	24°♌01'22	
greatest brilliancy	-276 Oct 04 j 03:17	27°♌37'38	-4.6m
	-276 Oct 08 j 13:12	0°♍	
asc. node	-276 Oct 21 j 12:31	9°♍18'57	
morning max el	-276 Nov 09 j 18:46	27°♍20'07	46°52'07
	-276 Nov 12 j 08:51	0°♎	
	-276 Dec 09 j 13:14	0°♏	
	-275 Jan 04 j 01:34	0°♐	
	-275 Jan 28 j 23:52	0°♑	
desc. node	-275 Feb 10 j 02:40	14°♑41'36	
	-275 Feb 22 j 16:57	0°♒	
	-275 Mar 19 j 08:04	0°♓	
	-275 Apr 12 j 22:21	0°♈	
	-275 May 07 j 11:51	0°♉	
morning set	-275 May 14 j 04:16	8°♉10'31	
	-275 May 31 j 23:46	0°♊	
asc. node	-275 Jun 03 j 05:35	2°♊45'07	
max. Earth dist.	-275 Jun 16 j 18:10	19°♊22'27	1.73455 AU

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

superior conj	-275 Jun 19 j 10:22	22°♊39'58	0°37'06
minimum elong	-275 Jun 19 j 03:38	22°♊19'14	0°36'48
	-275 Jun 25 j 09:14	0°♋	
	-275 Jul 19 j 16:01	0°♌	
evening rise	-275 Jul 25 j 04:46	6°♌50'56	
	-275 Aug 12 j 20:57	0°♍	
	-275 Sep 06 j 01:33	0°♎	
desc. node	-275 Sep 22 j 19:26	20°♎43'56	
	-275 Sep 30 j 07:20	0°♏	
	-275 Oct 24 j 15:37	0°♐	
	-275 Nov 18 j 04:51	0°♑	
	-275 Dec 13 j 05:11	0°♒	
	-274 Jan 08 j 07:57	0°♓	
asc. node	-274 Jan 13 j 22:08	6°♓07'18	
evening max el	-274 Jan 27 j 17:24	20°♓32'40	46°23'54
	-274 Feb 06 j 13:34	0°♈	
greatest brilliancy	-274 Mar 03 j 22:44	18°♈39'10	-4.5m
retrograde	-274 Mar 18 j 13:08	22°♈27'15	
evening set	-274 Apr 04 j 01:24	17°♈10'13	
inferior conj	-274 Apr 08 j 22:16	14°♈09'17	5°40'50
minimum elong	-274 Apr 09 j 07:37	13°♈54'27	5°38'48
min. Earth dist.	-274 Apr 09 j 01:54	14°♈03'31	0.28935 AU
morning rise	-274 Apr 14 j 14:04	10°♈41'24	
direct	-274 Apr 30 j 10:58	5°♈51'22	
desc. node	-274 May 05 j 12:01	6°♈20'02	
greatest brilliancy	-274 May 13 j 03:34	8°♈42'02	-4.5m
	-274 Jun 12 j 04:40	0°♉	
morning max el	-274 Jun 18 j 04:43	5°♉35'04	45°45'32
	-274 Jul 12 j 02:21	0°♊	
	-274 Aug 07 j 21:51	0°♋	
asc. node	-274 Aug 26 j 14:58	21°♋58'04	
	-274 Sep 02 j 08:03	0°♌	
	-274 Sep 26 j 22:42	0°♍	
	-274 Oct 21 j 02:04	0°♎	
	-274 Nov 14 j 00:06	0°♏	
	-274 Dec 07 j 20:48	0°♐	
desc. node	-274 Dec 16 j 05:01	10°♐29'03	
morning set	-274 Dec 17 j 18:31	12°♐26'46	
	-274 Dec 31 j 18:16	0°♑	
	-273 Jan 24 j 17:36	0°♒	
superior conj	-273 Jan 28 j 10:53	4°♒38'37	-1°-19'-35
minimum elong	-273 Jan 28 j 03:08	4°♒14'27	1°19'28
max. Earth dist.	-273 Feb 01 j 17:14	9°♒57'46	1.71939 AU
	-273 Feb 17 j 19:35	0°♓	
evening rise	-273 Mar 09 j 03:43	23°♓57'33	
	-273 Mar 14 j 01:07	0°♈	
	-273 Apr 07 j 11:00	0°♉	
asc. node	-273 Apr 08 j 07:51	1°♉03'48	
	-273 May 02 j 01:54	0°♊	
	-273 May 26 j 22:48	0°♋	
	-273 Jun 21 j 04:00	0°♌	
	-273 Jul 16 j 22:38	0°♍	
desc. node	-273 Jul 28 j 21:35	13°♍34'01	
	-273 Aug 12 j 18:44	0°♎	
evening max el	-273 Sep 03 j 08:23	22°♎23'47	46°49'30
	-273 Sep 11 j 07:31	0°♏	
greatest brilliancy	-273 Oct 12 j 15:04	22°♏12'42	-4.7m
retrograde	-273 Oct 23 j 11:59	24°♏25'08	
evening set	-273 Nov 07 j 02:11	20°♏14'20	
inferior conj	-273 Nov 13 j 01:12	16°♏45'46	-1°-32'-40
minimum elong	-273 Nov 13 j 04:43	16°♏40'26	1°31'34
min. Earth dist.	-273 Nov 13 j 02:13	16°♏44'14	0.26348 AU
morning rise	-273 Nov 19 j 07:03	13°♏07'47	
asc. node	-273 Nov 19 j 00:25	13°♏16'37	
direct	-273 Dec 03 j 08:07	9°♏10'10	
greatest brilliancy	-273 Dec 15 j 10:37	11°♏54'04	-4.7m
	-272 Jan 10 j 03:35	0°♐	
morning max el	-272 Jan 22 j 16:18	11°♐57'32	46°44'13
	-272 Feb 08 j 21:36	0°♑	
	-272 Mar 06 j 16:34	0°♒	
desc. node	-272 Mar 09 j 14:29	3°♒20'50	
	-272 Apr 01 j 11:55	0°♓	
	-272 Apr 26 j 20:07	0°♈	
	-272 May 21 j 21:16	0°♉	
	-272 Jun 15 j 16:19	0°♊	
asc. node	-272 Jun 30 j 17:21	18°♊21'35	
	-272 Jul 10 j 05:04	0°♋	
morning set	-272 Jul 20 j 14:43	12°♋49'01	
	-272 Aug 03 j 11:42	0°♌	
max. Earth dist.	-272 Aug 22 j 21:27	24°♌09'55	1.72062 AU
superior conj	-272 Aug 26 j 11:28	28°♌38'34	1°24'31
minimum elong	-272 Aug 26 j 12:02	28°♌40'21	1°24'31
	-272 Aug 27 j 13:32	0°♍	
	-272 Sep 20 j 12:36	0°♎	
evening rise	-272 Oct 04 j 02:18	17°♎01'00	
	-272 Oct 14 j 10:52	0°♏	
desc. node	-272 Oct 20 j 07:27	7°♏20'28	
	-272 Nov 07 j 09:44	0°♐	
	-272 Dec 01 j 10:20	0°♑	
	-272 Dec 25 j 14:39	0°♒	
	-271 Jan 19 j 02:30	0°♓	
asc. node	-271 Feb 10 j 09:57	26°♓43'25	
	-271 Feb 13 j 04:45	0°♈	
	-271 Mar 11 j 10:18	0°♉	
evening max el	-271 Apr 08 j 10:53	29°♉14'26	45°22'43
	-271 Apr 09 j 05:53	0°♊	
greatest brilliancy	-271 May 12 j 19:51	25°♊26'59	-4.5m
retrograde	-271 May 26 j 23:54	28°♊56'25	
desc. node	-271 Jun 01 j 23:59	28°♊13'33	
evening set	-271 Jun 11 j 02:45	24°♊33'10	
inferior conj	-271 Jun 17 j 10:34	20°♊47'43	-3°-30'-55
minimum elong	-271 Jun 17 j 03:20	20°♊58'57	3°28'58
min. Earth dist.	-271 Jun 17 j 14:08	20°♊42'13	0.28890 AU
morning rise	-271 Jun 23 j 03:38	17°♊21'40	
direct	-271 Jul 09 j 02:27	12°♊30'26	
greatest brilliancy	-271 Jul 23 j 12:08	16°♊06'50	-4.5m
	-271 Aug 13 j 00:42	0°♋	
morning max el	-271 Aug 27 j 13:49	13°♋18'21	46°13'20
	-271 Sep 12 j 17:52	0°♌	
asc. node	-271 Sep 23 j 02:53	11°♌25'09	
	-271 Oct 09 j 07:18	0°♍	
	-271 Nov 03 j 09:03	0°♎	
	-271 Nov 27 j 19:10	0°♏	
	-271 Dec 21 j 23:18	0°♐	
desc. node	-270 Jan 12 j 16:50	27°♐01'40	
	-270 Jan 15 j 02:12	0°♑	
	-270 Feb 08 j 05:57	0°♒	
morning set	-270 Mar 03 j 15:48	28°♒59'34	
	-270 Mar 04 j 11:21	0°♓	
	-270 Mar 28 j 18:38	0°♈	
superior conj	-270 Apr 10 j 14:58	15°♈49'13	0°-54'-54
minimum elong	-270 Apr 11 j 00:11	16°♈17'34	0°54'33
max. Earth dist.	-270 Apr 12 j 02:32	17°♈38'38	1.73399 AU
	-270 Apr 22 j 03:45	0°♉	
asc. node	-270 May 05 j 19:49	16°♉47'10	
	-270 May 16 j 14:16	0°♊	
evening rise	-270 May 17 j 10:49	1°♊02'58	
	-270 Jun 10 j 01:46	0°♋	
	-270 Jul 04 j 14:24	0°♌	
	-270 Jul 29 j 05:19	0°♍	
	-270 Aug 23 j 00:35	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	-270 Aug 25 j 09:31	2°♎51'10	
	-270 Sep 17 j 03:15	0°♏	
	-270 Oct 12 j 19:45	0°♐	
	-270 Nov 08 j 21:08	0°♑	
evening max el	-270 Nov 15 j 00:03	6°♑21'52	47°24'24
	-270 Dec 11 j 06:24	0°♒	
asc. node	-270 Dec 16 j 12:21	3°♒33'32	
greatest brilliancy	-270 Dec 22 j 17:23	6°♒58'05	-4.7m
retrograde	-269 Jan 05 j 02:00	10°♒18'13	
evening set	-269 Jan 21 j 21:09	4°♒41'26	
min. Earth dist.	-269 Jan 24 j 23:24	2°♒47'06	0.27600 AU
inferior conj	-269 Jan 25 j 23:02	2°♒10'01	8°00'58
minimum elong	-269 Jan 25 j 15:49	2°♒21'20	8°00'06
morning rise	-269 Jan 29 j 10:55	0°♒00'37	
	-269 Jan 29 j 11:19	30°℞♑	
direct	-269 Feb 15 j 16:19	24°♑15'44	
greatest brilliancy	-269 Feb 26 j 06:04	26°♑20'23	-4.6m
	-269 Mar 05 j 22:18	0°♒	
morning max el	-269 Apr 05 j 22:22	25°♒01'08	46°02'46
desc. node	-269 Apr 07 j 02:21	26°♒08'55	
	-269 Apr 11 j 00:13	0°♓	
	-269 May 09 j 09:14	0°♈	
	-269 Jun 04 j 22:17	0°♉	
	-269 Jun 30 j 13:40	0°♊	
	-269 Jul 25 j 14:04	0°♋	
asc. node	-269 Jul 29 j 05:11	4°♋24'25	
	-269 Aug 19 j 02:36	0°♌	
	-269 Sep 12 j 06:12	0°♍	
greatest brilliancy	-269 Sep 20 j 17:01	10°♍34'32	-3.9m
morning set	-269 Sep 30 j 05:43	22°♍32'01	
	-269 Oct 06 j 04:18	0°♎	
	-269 Oct 30 j 00:05	0°♏	
superior conj	-269 Nov 09 j 06:10	12°♏54'55	0°20'08
minimum elong	-269 Nov 09 j 11:23	13°♏11'20	0°19'53
max. Earth dist.	-269 Nov 10 j 05:02	14°♏06'54	1.71004 AU
desc. node	-269 Nov 17 j 19:18	23°♏40'41	
	-269 Nov 22 j 19:49	0°♐	
	-269 Dec 16 j 16:45	0°♑	
evening rise	-269 Dec 21 j 04:22	5°♑37'29	
	-268 Jan 09 j 15:54	0°♒	
	-268 Feb 02 j 18:52	0°♓	
	-268 Feb 27 j 04:04	0°♈	
asc. node	-268 Mar 09 j 22:03	14°♈17'42	
	-268 Mar 22 j 22:42	0°♉	
	-268 Apr 17 j 07:09	0°♊	
	-268 May 13 j 13:48	0°♋	
	-268 Jun 10 j 17:32	0°♌	
evening max el	-268 Jun 18 j 15:40	7°♌46'17	45°33'45
desc. node	-268 Jun 29 j 11:50	17°♌38'31	
	-268 Jul 15 j 20:42	0°♍	
greatest brilliancy	-268 Jul 26 j 07:26	5°♍19'40	-4.5m
retrograde	-268 Aug 06 j 10:44	7°♍31'43	
evening set	-268 Aug 24 j 11:12	1°♍32'00	
	-268 Aug 27 j 00:00	30°℞♌	
inferior conj	-268 Aug 27 j 12:11	29°♌41'17	-8°-48'-38
minimum elong	-268 Aug 27 j 13:01	29°♌40'01	8°48'38
min. Earth dist.	-268 Aug 28 j 03:59	29°♌17'03	0.27860 AU
morning rise	-268 Aug 30 j 14:40	27°♌47'59	
direct	-268 Sep 17 j 15:56	21°♌41'14	
greatest brilliancy	-268 Oct 01 j 18:19	25°♌17'09	-4.6m
	-268 Oct 09 j 21:16	0°♍	
asc. node	-268 Oct 20 j 14:41	8°♍11'36	
morning max el	-268 Nov 07 j 07:44	24°♍53'15	46°51'17
	-268 Nov 12 j 06:04	0°♎	
	-268 Dec 09 j 05:17	0°♏	
	-267 Jan 03 j 15:32	0°♐	
	-267 Jan 28 j 12:42	0°♑	
desc. node	-267 Feb 09 j 04:40	14°♑09'53	
	-267 Feb 22 j 05:02	0°♒	
	-267 Mar 18 j 19:37	0°♓	
	-267 Apr 12 j 09:32	0°♈	
	-267 May 06 j 22:47	0°♉	
morning set	-267 May 11 j 22:53	6°♉07'22	
	-267 May 31 j 10:36	0°♊	
asc. node	-267 Jun 02 j 07:37	2°♊18'10	
max. Earth dist.	-267 Jun 14 j 14:06	17°♊22'55	1.73486 AU
superior conj	-267 Jun 17 j 05:19	20°♊37'20	0°34'18
minimum elong	-267 Jun 16 j 22:59	20°♊17'51	0°34'02
	-267 Jun 24 j 20:03	0°♋	
	-267 Jul 19 j 02:56	0°♌	
evening rise	-267 Jul 22 j 23:03	4°♌44'59	
	-267 Aug 12 j 08:05	0°♍	
	-267 Sep 05 j 13:00	0°♎	
desc. node	-267 Sep 21 j 21:36	20°♎14'30	
	-267 Sep 29 j 19:09	0°♏	
	-267 Oct 24 j 03:57	0°♐	
	-267 Nov 17 j 17:55	0°♑	
	-267 Dec 12 j 19:33	0°♒	
	-266 Jan 08 j 01:09	0°♓	
asc. node	-266 Jan 13 j 00:08	5°♓23'45	
evening max el	-266 Jan 25 j 07:31	18°♓13'17	46°26'38
	-266 Feb 06 j 16:43	0°♈	
greatest brilliancy	-266 Mar 01 j 16:10	16°♈29'26	-4.6m
retrograde	-266 Mar 16 j 05:30	20°♈17'21	
evening set	-266 Apr 01 j 20:38	14°♈56'19	
inferior conj	-266 Apr 06 j 14:51	11°♈59'24	5°55'20
minimum elong	-266 Apr 07 j 00:17	11°♈44'26	5°53'22
min. Earth dist.	-266 Apr 06 j 18:22	11°♈53'48	0.28916 AU
morning rise	-266 Apr 12 j 04:06	8°♈34'56	
direct	-266 Apr 28 j 02:27	3°♈41'44	
desc. node	-266 May 04 j 14:02	4°♈28'26	
greatest brilliancy	-266 May 10 j 18:20	6°♈31'05	-4.5m
	-266 Jun 12 j 05:14	0°♉	
morning max el	-266 Jun 15 j 20:01	3°♉23'48	45°45'24
	-266 Jul 11 j 18:32	0°♊	
	-266 Aug 07 j 11:24	0°♋	
asc. node	-266 Aug 25 j 17:09	21°♋26'56	
	-266 Sep 01 j 20:26	0°♌	
	-266 Sep 26 j 10:31	0°♍	
	-266 Oct 20 j 13:35	0°♎	
	-266 Nov 13 j 11:27	0°♏	
	-266 Dec 07 j 08:01	0°♐	
morning set	-266 Dec 15 j 03:57	9°♐50'29	
desc. node	-266 Dec 15 j 07:02	10°♐00'09	
	-266 Dec 31 j 05:24	0°♑	
	-265 Jan 24 j 04:39	0°♒	
superior conj	-265 Jan 25 j 22:13	2°♒09'45	-1°-18'-8
minimum elong	-265 Jan 25 j 13:42	1°♒43'10	1°17'59
max. Earth dist.	-265 Jan 30 j 01:46	7°♒20'20	1.71883 AU
	-265 Feb 17 j 06:36	0°♓	
evening rise	-265 Mar 06 j 17:40	21°♓38'22	
	-265 Mar 13 j 12:07	0°♈	
	-265 Apr 06 j 22:05	0°♉	
asc. node	-265 Apr 07 j 10:02	0°♉36'34	
	-265 May 01 j 13:12	0°♊	
	-265 May 26 j 10:35	0°♋	
	-265 Jun 20 j 16:41	0°♌	
	-265 Jul 16 j 13:00	0°♍	
desc. node	-265 Jul 27 j 23:36	12°♍56'11	
	-265 Aug 12 j 12:35	0°♎	
evening max el	-265 Aug 31 j 20:57	19°♎58'39	46°46'52

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

	-265 Sep 11 j 12:17	0°♏	
greatest brilliancy	-265 Oct 10 j 04:06	19°♏43'55	-4.7m
retrograde	-265 Oct 21 j 00:04	21°♏55'27	
evening set	-265 Nov 04 j 15:51	17°♏42'01	
inferior conj	-265 Nov 10 j 13:10	14°♏16'12	-1°-57'-1
minimum elong	-265 Nov 10 j 17:34	14°♏09'31	1°55'37
min. Earth dist.	-265 Nov 10 j 15:45	14°♏12'17	0.26363 AU
morning rise	-265 Nov 16 j 19:04	10°♏38'34	
asc. node	-265 Nov 18 j 02:26	9°♏58'26	
direct	-265 Nov 30 j 20:23	6°♏40'05	
greatest brilliancy	-265 Dec 13 j 01:41	9°♏27'33	-4.7m
	-264 Jan 10 j 08:57	0°♐	
morning max el	-264 Jan 20 j 06:23	9°♐34'12	46°45'25
	-264 Feb 08 j 15:42	0°♑	
	-264 Mar 06 j 07:12	0°♒	
desc. node	-264 Mar 08 j 16:44	2°♒45'47	
	-264 Apr 01 j 00:53	0°♓	
	-264 Apr 26 j 08:06	0°♈	
	-264 May 21 j 08:39	0°♉	
	-264 Jun 15 j 03:19	0°♊	
asc. node	-264 Jun 29 j 19:26	17°♊54'43	
	-264 Jul 09 j 15:50	0°♋	
morning set	-264 Jul 18 j 08:23	10°♋42'15	
	-264 Aug 02 j 22:25	0°♌	
max. Earth dist.	-264 Aug 20 j 14:05	21°♌58'26	1.72117 AU
superior conj	-264 Aug 24 j 03:41	26°♌25'39	1°24'32
minimum elong	-264 Aug 24 j 03:29	26°♌25'01	1°24'32
	-264 Aug 27 j 00:18	0°♍	
	-264 Sep 19 j 23:30	0°♎	
evening rise	-264 Oct 01 j 14:48	14°♎35'17	
	-264 Oct 13 j 21:57	0°♏	
desc. node	-264 Oct 19 j 09:32	6°♏52'06	
	-264 Nov 06 j 21:01	0°♐	
	-264 Nov 30 j 21:51	0°♑	
	-264 Dec 25 j 02:29	0°♒	
	-263 Jan 18 j 14:51	0°♓	
asc. node	-263 Feb 09 j 12:08	26°♓10'58	
	-263 Feb 12 j 18:07	0°♈	
	-263 Mar 11 j 01:59	0°♉	
evening max el	-263 Apr 06 j 03:38	27°♉06'17	45°23'54
	-263 Apr 09 j 04:45	0°♊	
greatest brilliancy	-263 May 10 j 10:38	23°♊16'58	-4.5m
retrograde	-263 May 24 j 16:31	26°♊47'53	
desc. node	-263 Jun 01 j 02:01	25°♊42'50	
evening set	-263 Jun 08 j 18:01	22°♊25'56	
inferior conj	-263 Jun 15 j 02:46	18°♊38'46	-3°-12'-30
minimum elong	-263 Jun 14 j 20:04	18°♊49'10	3°10'42
min. Earth dist.	-263 Jun 15 j 06:01	18°♊33'42	0.28901 AU
morning rise	-263 Jun 20 j 21:56	15°♊09'47	
direct	-263 Jul 06 j 19:19	10°♊21'26	
greatest brilliancy	-263 Jul 21 j 03:08	13°♊56'13	-4.5m
	-263 Aug 13 j 05:58	0°♋	
morning max el	-263 Aug 25 j 05:59	11°♋07'13	46°11'54
	-263 Sep 12 j 11:05	0°♌	
asc. node	-263 Sep 22 j 05:03	10°♌47'20	
	-263 Oct 08 j 21:22	0°♍	
	-263 Nov 02 j 21:48	0°♎	
	-263 Nov 27 j 07:14	0°♏	
	-263 Dec 21 j 10:57	0°♐	
desc. node	-262 Jan 11 j 18:56	26°♐32'45	
	-262 Jan 14 j 13:34	0°♑	
	-262 Feb 07 j 17:05	0°♒	
morning set	-262 Mar 01 j 05:40	26°♒40'14	
	-262 Mar 03 j 22:15	0°♓	
	-262 Mar 28 j 05:23	0°♈	
superior conj	-262 Apr 08 j 07:28	13°♈39'18	0°-57'-23
minimum elong	-262 Apr 08 j 16:50	14°♈08'09	0°57'04
max. Earth dist.	-262 Apr 10 j 00:24	15°♈45'15	1.73366 AU
	-262 Apr 21 j 14:26	0°♉	
asc. node	-262 May 04 j 21:48	16°♉20'25	
evening rise	-262 May 15 j 05:20	28°♉59'41	
	-262 May 16 j 01:00	0°♊	
	-262 Jun 09 j 12:40	0°♋	
	-262 Jul 04 j 01:35	0°♌	
	-262 Jul 28 j 16:59	0°♍	
	-262 Aug 22 j 12:57	0°♎	
desc. node	-262 Aug 24 j 11:44	2°♎20'24	
	-262 Sep 16 j 16:49	0°♏	
	-262 Oct 12 j 11:26	0°♐	
	-262 Nov 08 j 17:47	0°♑	
evening max el	-262 Nov 12 j 15:41	4°♑02'25	47°24'41
	-262 Dec 12 j 06:53	0°♒	
asc. node	-262 Dec 15 j 14:23	2°♒04'45	
greatest brilliancy	-262 Dec 20 j 10:16	4°♒38'14	-4.7m
retrograde	-261 Jan 02 j 16:50	7°♒55'18	
evening set	-261 Jan 19 j 07:57	2°♒24'37	
min. Earth dist.	-261 Jan 22 j 12:56	0°♒26'10	0.27531 AU
	-261 Jan 23 j 05:35	30°℞♑	
inferior conj	-261 Jan 23 j 13:07	29°♑48'10	7°52'18
minimum elong	-261 Jan 23 j 05:20	0°♒00'24	7°51'18
morning rise	-261 Jan 27 j 03:10	27°♑35'29	
direct	-261 Feb 13 j 06:07	21°♑55'18	
greatest brilliancy	-261 Feb 23 j 17:59	23°♑58'16	-4.6m
	-261 Mar 07 j 07:27	0°♒	
morning max el	-261 Apr 03 j 12:14	22°♒43'24	46°03'58
desc. node	-261 Apr 06 j 04:24	25°♒19'46	
	-261 Apr 10 j 20:53	0°♓	
	-261 May 09 j 00:27	0°♈	
	-261 Jun 04 j 11:20	0°♉	
	-261 Jun 30 j 01:37	0°♊	
	-261 Jul 25 j 01:26	0°♋	
asc. node	-261 Jul 28 j 07:19	3°♋56'30	
	-261 Aug 18 j 13:39	0°♌	
	-261 Sep 11 j 17:06	0°♍	
greatest brilliancy	-261 Sep 21 j 17:48	12°♍33'22	-3.9m
morning set	-261 Sep 27 j 19:29	20°♍10'28	
	-261 Oct 05 j 15:08	0°♎	
	-261 Oct 29 j 10:56	0°♏	
superior conj	-261 Nov 06 j 16:43	10°♏22'50	0°23'55
minimum elong	-261 Nov 06 j 22:49	10°♏42'00	0°23'37
max. Earth dist.	-261 Nov 07 j 08:55	11°♏13'48	1.71007 AU
desc. node	-261 Nov 16 j 21:17	23°♏12'43	
	-261 Nov 22 j 06:43	0°♐	
	-261 Dec 16 j 03:42	0°♑	
evening rise	-261 Dec 18 j 14:17	3°♑03'42	
	-260 Jan 09 j 02:55	0°♒	
	-260 Feb 02 j 06:00	0°♓	
	-260 Feb 26 j 15:29	0°♈	
asc. node	-260 Mar 09 j 00:09	13°♈48'55	
	-260 Mar 22 j 10:37	0°♉	
	-260 Apr 16 j 20:05	0°♊	
	-260 May 13 j 04:51	0°♋	
	-260 Jun 10 j 14:04	0°♌	
evening max el	-260 Jun 16 j 04:59	5°♌28'26	45°32'00
desc. node	-260 Jun 28 j 13:55	16°♌39'08	
	-260 Jul 17 j 08:15	0°♍	
greatest brilliancy	-260 Jul 23 j 19:37	3°♍00'41	-4.5m
retrograde	-260 Aug 03 j 23:36	5°♍13'57	
	-260 Aug 20 j 17:20	30°℞♌	
evening set	-260 Aug 22 j 00:12	29°♌15'06	
inferior conj	-260 Aug 25 j 02:14	27°♌22'55	-8°-48'-29

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

minimum elong	-260 Aug 25 j 02:10	27°♌23'02	8°48'30	
min. Earth dist.	-260 Aug 25 j 17:55	26°♌58'49	0.27915 AU	
morning rise	-260 Aug 28 j 03:55	25°♌30'41		
direct	-260 Sep 15 j 06:02	19°♌21'46		
greatest brilliancy	-260 Sep 29 j 10:17	22°♌58'53	-4.6m	
	-260 Oct 10 j 19:54	0°♍		
asc. node	-260 Oct 19 j 16:38	7°♍06'28		
morning max el	-260 Nov 04 j 20:51	22°♍27'50	46°50'42	
	-260 Nov 12 j 02:11	0°♎		
	-260 Dec 08 j 20:41	0°♏		
	-259 Jan 03 j 05:00	0°♐		
	-259 Jan 28 j 01:07	0°♑		
desc. node	-259 Feb 08 j 06:51	13°♑39'48		
	-259 Feb 21 j 16:46	0°♒		
	-259 Mar 18 j 06:55	0°♓		
	-259 Apr 11 j 20:31	0°♈		
	-259 May 06 j 09:34	0°♉		
morning set	-259 May 09 j 16:57	4°♉02'52		
	-259 May 30 j 21:15	0°♊		
asc. node	-259 Jun 01 j 09:40	1°♊51'43		
max. Earth dist.	-259 Jun 12 j 10:28	15°♊25'16	1.73514 AU	
superior conj	-259 Jun 14 j 23:46	18°♊33'44	0°31'26	
minimum elong	-259 Jun 14 j 17:52	18°♊15'38	0°31'10	
	-259 Jun 24 j 06:42	0°♋		
	-259 Jul 18 j 13:41	0°♌		
evening rise	-259 Jul 20 j 17:06	2°♌39'02		
	-259 Aug 11 j 19:04	0°♍		
	-259 Sep 05 j 00:18	0°♎		
desc. node	-259 Sep 20 j 23:37	19°♎45'06		
	-259 Sep 29 j 06:50	0°♏		
	-259 Oct 23 j 16:07	0°♐		
	-259 Nov 17 j 06:48	0°♑		
	-259 Dec 12 j 09:44	0°♒		
	-258 Jan 07 j 18:21	0°♓		
asc. node	-258 Jan 12 j 02:18	4°♓41'02		
evening max el	-258 Jan 22 j 21:34	15°♓54'37	46°29'20	
	-258 Feb 06 j 21:14	0°♈		
greatest brilliancy	-258 Feb 27 j 08:08	14°♈18'16	-4.6m	
retrograde	-258 Mar 13 j 22:01	18°♈07'43		
evening set	-258 Mar 30 j 15:43	12°♈42'20		
inferior conj	-258 Apr 04 j 07:19	9°♈49'29	6°09'17	
minimum elong	-258 Apr 04 j 16:46	9°♈34'31	6°07'24	
min. Earth dist.	-258 Apr 04 j 10:32	9°♈44'23	0.28903 AU	
morning rise	-258 Apr 09 j 17:56	6°♈28'50		
direct	-258 Apr 25 j 17:56	1°♈31'51		
desc. node	-258 May 03 j 16:04	2°♈40'50		
greatest brilliancy	-258 May 08 j 09:41	4°♈20'53	-4.5m	
	-258 Jun 12 j 04:41	0°♉		
morning max el	-258 Jun 13 j 12:10	1°♉14'37	45°45'15	
	-258 Jul 11 j 10:25	0°♊		
	-258 Aug 07 j 00:46	0°♋		
asc. node	-258 Aug 24 j 19:15	20°♋55'57		
	-258 Sep 01 j 08:40	0°♌		
	-258 Sep 25 j 22:12	0°♍		
	-258 Oct 20 j 00:59	0°♎		
	-258 Nov 12 j 22:42	0°♏		
	-258 Dec 06 j 19:08	0°♐		
morning set	-258 Dec 12 j 13:38	7°♐15'14		
desc. node	-258 Dec 14 j 09:08	9°♐31'55		
	-258 Dec 30 j 16:24	0°♑		
superior conj	-257 Jan 23 j 09:41	29°♑41'40	-1°-16'-32	
minimum elong	-257 Jan 23 j 00:28	29°♑12'54	1°16'21	
	-257 Jan 23 j 15:33	0°♒		
max. Earth dist.	-257 Jan 27 j 10:20	4°♒43'22	1.71827 AU	
	-257 Feb 16 j 17:26	0°♓		
evening rise	-257 Mar 04 j 07:48	19°♓20'12		
	-257 Mar 12 j 22:59	0°♈		
asc. node	-257 Apr 06 j 12:00	0°♉08'58		
	-257 Apr 06 j 09:04	0°♉		
	-257 May 01 j 00:29	0°♊		
	-257 May 25 j 22:26	0°♋		
	-257 Jun 20 j 05:30	0°♌		
	-257 Jul 16 j 03:36	0°♍		
desc. node	-257 Jul 27 j 01:48	12°♍18'20		
	-257 Aug 12 j 06:56	0°♎		
evening max el	-257 Aug 29 j 10:23	17°♎35'46	46°44'20	
	-257 Sep 11 j 19:08	0°♏		
greatest brilliancy	-257 Oct 07 j 16:23	17°♏14'28	-4.6m	
retrograde	-257 Oct 18 j 12:30	19°♏25'38		
evening set	-257 Nov 02 j 05:41	15°♏09'28		
inferior conj	-257 Nov 08 j 01:03	11°♏46'21	-2°-21'-4	
minimum elong	-257 Nov 08 j 06:19	11°♏38'22	2°19'25	
min. Earth dist.	-257 Nov 08 j 04:53	11°♏40'33	0.26380 AU	
morning rise	-257 Nov 14 j 06:44	8°♏09'26		
asc. node	-257 Nov 17 j 04:33	6°♏44'14		
direct	-257 Nov 28 j 09:04	4°♏09'53		
greatest brilliancy	-257 Dec 10 j 15:52	6°♏59'44	-4.7m	
	-256 Jan 10 j 12:31	0°♐		
morning max el	-256 Jan 17 j 21:00	7°♐12'07	46°46'39	
	-256 Feb 08 j 09:23	0°♑		
	-256 Mar 05 j 21:37	0°♒		
desc. node	-256 Mar 07 j 18:43	2°♒10'22		
	-256 Mar 31 j 13:43	0°♓		
	-256 Apr 25 j 20:02	0°♈		
	-256 May 20 j 20:01	0°♉		
	-256 Jun 14 j 14:21	0°♊		
asc. node	-256 Jun 28 j 21:34	17°♊27'41		
	-256 Jul 09 j 02:44	0°♋		
morning set	-256 Jul 16 j 01:51	8°♋34'34		
	-256 Aug 02 j 09:17	0°♌		
max. Earth dist.	-256 Aug 18 j 03:58	19°♌38'04	1.72172 AU	
superior conj	-256 Aug 21 j 19:44	24°♌11'49	1°24'25	
minimum elong	-256 Aug 21 j 18:46	24°♌08'48	1°24'25	
	-256 Aug 26 j 11:14	0°♍		
	-256 Sep 19 j 10:33	0°♎		
evening rise	-256 Sep 29 j 03:08	12°♎08'39		
	-256 Oct 13 j 09:10	0°♏		
desc. node	-256 Oct 18 j 11:30	6°♏23'01		
	-256 Nov 06 j 08:26	0°♐		
	-256 Nov 30 j 09:32	0°♑		
	-256 Dec 24 j 14:29	0°♒		
	-255 Jan 18 j 03:23	0°♓		
asc. node	-255 Feb 08 j 14:14	25°♓37'49		
	-255 Feb 12 j 07:40	0°♈		
	-255 Mar 10 j 17:59	0°♉		
evening max el	-255 Apr 03 j 20:26	24°♉58'04	45°25'06	
	-255 Apr 09 j 04:40	0°♊		
greatest brilliancy	-255 May 08 j 02:14	21°♊07'57	-4.5m	
retrograde	-255 May 22 j 08:43	24°♊39'17		
desc. node	-255 May 31 j 04:06	23°♊07'27		
evening set	-255 Jun 06 j 09:35	20°♊18'31		
inferior conj	-255 Jun 12 j 19:04	16°♊29'49	-2°-53'-59	
minimum elong	-255 Jun 12 j 12:57	16°♊39'20	2°52'18	
min. Earth dist.	-255 Jun 12 j 22:13	16°♊24'54	0.28915 AU	
morning rise	-255 Jun 18 j 16:11	12°♊57'49		
direct	-255 Jul 04 j 12:13	8°♊12'22		
greatest brilliancy	-255 Jul 18 j 17:31	11°♊44'17	-4.5m	
	-255 Aug 13 j 09:44	0°♋		
morning max el	-255 Aug 22 j 21:30	8°♋53'46	46°10'18	
	-255 Sep 12 j 04:17	0°♌		
asc. node	-255 Sep 21 j 06:59	10°♌08'13		

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

	-255 Oct 08 j 11:37	0°♍	
	-255 Nov 02 j 10:45	0°♎	
	-255 Nov 26 j 19:29	0°♏	
	-255 Dec 20 j 22:47	0°♐	
desc. node	-254 Jan 10 j 21:03	26°♐03'15	
	-254 Jan 14 j 01:07	0°♑	
	-254 Feb 07 j 04:24	0°♒	
morning set	-254 Feb 26 j 19:31	24°♒20'11	
	-254 Mar 03 j 09:22	0°♓	
	-254 Mar 27 j 16:20	0°♈	
superior conj	-254 Apr 06 j 00:07	11°♈29'12	0°-59'-47
minimum elong	-254 Apr 06 j 09:36	11°♈58'23	0°59'28
max. Earth dist.	-254 Apr 07 j 22:21	13°♈51'30	1.73327 AU
	-254 Apr 21 j 01:18	0°♉	
asc. node	-254 May 03 j 23:55	15°♉53'31	
evening rise	-254 May 13 j 00:00	26°♉56'19	
	-254 May 15 j 11:55	0°♊	
	-254 Jun 08 j 23:46	0°♋	
	-254 Jul 03 j 13:02	0°♌	
	-254 Jul 28 j 04:58	0°♍	
	-254 Aug 22 j 01:46	0°♎	
desc. node	-254 Aug 23 j 13:41	1°♎47'38	
	-254 Sep 16 j 06:54	0°♏	
	-254 Oct 12 j 03:48	0°♐	
	-254 Nov 08 j 15:38	0°♑	
evening max el	-254 Nov 10 j 06:31	1°♑39'41	47°25'00
	-254 Dec 13 j 18:03	0°♒	
asc. node	-254 Dec 14 j 16:31	0°♒31'48	
greatest brilliancy	-254 Dec 18 j 03:37	2°♒17'43	-4.7m
retrograde	-254 Dec 31 j 07:05	5°♒31'07	
evening set	-253 Jan 16 j 18:42	0°♒06'43	
	-253 Jan 16 j 23:13	30°℞♑	
min. Earth dist.	-253 Jan 20 j 02:49	28°♑03'36	0.27460 AU
inferior conj	-253 Jan 21 j 03:10	27°♑25'19	7°42'58
minimum elong	-253 Jan 20 j 18:52	27°♑38'22	7°41'46
morning rise	-253 Jan 24 j 19:31	25°♑09'07	
direct	-253 Feb 10 j 19:25	19°♑33'46	
greatest brilliancy	-253 Feb 21 j 06:48	21°♑35'57	-4.6m
	-253 Mar 08 j 07:40	0°♒	
morning max el	-253 Apr 01 j 01:28	20°♒23'05	46°05'19
desc. node	-253 Apr 05 j 06:23	24°♒30'30	
	-253 Apr 10 j 17:10	0°♓	
	-253 May 08 j 15:42	0°♈	
	-253 Jun 04 j 00:32	0°♉	
	-253 Jun 29 j 13:46	0°♊	
	-253 Jul 24 j 13:01	0°♋	
asc. node	-253 Jul 27 j 09:25	3°♋27'51	
	-253 Aug 18 j 00:57	0°♌	
	-253 Sep 11 j 04:18	0°♍	
greatest brilliancy	-253 Sep 22 j 16:52	14°♍25'46	-3.9m
morning set	-253 Sep 25 j 09:08	17°♍47'26	
	-253 Oct 05 j 02:20	0°♎	
	-253 Oct 28 j 22:12	0°♏	
superior conj	-253 Nov 04 j 02:59	7°♏48'33	0°27'40
minimum elong	-253 Nov 04 j 09:54	8°♏10'20	0°27'21
max. Earth dist.	-253 Nov 04 j 10:38	8°♏12'36	1.71017 AU
desc. node	-253 Nov 15 j 23:27	22°♏43'56	
	-253 Nov 21 j 18:02	0°♐	
evening rise	-253 Dec 15 j 23:43	0°♑27'14	
	-253 Dec 15 j 15:03	0°♑	
	-252 Jan 08 j 14:18	0°♒	
	-252 Feb 01 j 17:31	0°♓	
	-252 Feb 26 j 03:15	0°♈	
asc. node	-252 Mar 08 j 02:07	13°♈18'42	
	-252 Mar 21 j 22:56	0°♉	
	-252 Apr 16 j 09:26	0°♊	
	-252 May 12 j 20:22	0°♋	
	-252 Jun 10 j 11:32	0°♌	
evening max el	-252 Jun 13 j 18:25	3°♌10'29	45°30'28
desc. node	-252 Jun 27 j 16:04	15°♌38'04	
	-252 Jul 19 j 14:42	0°♍	
greatest brilliancy	-252 Jul 21 j 06:36	0°♍40'31	-4.5m
retrograde	-252 Aug 01 j 13:09	2°♍56'43	
	-252 Aug 13 j 21:24	30°℞♌	
evening set	-252 Aug 19 j 12:58	26°♌59'02	
inferior conj	-252 Aug 22 j 16:32	25°♌04'44	-8°-47'-21
minimum elong	-252 Aug 22 j 15:34	25°♌06'13	8°47'21
min. Earth dist.	-252 Aug 23 j 07:50	24°♌41'16	0.27976 AU
morning rise	-252 Aug 25 j 17:57	23°♌13'00	
direct	-252 Sep 12 j 20:35	17°♌02'23	
greatest brilliancy	-252 Sep 27 j 03:23	20°♌41'59	-4.6m
	-252 Oct 11 j 12:58	0°♍	
asc. node	-252 Oct 18 j 18:48	6°♍02'36	
morning max el	-252 Nov 02 j 10:57	20°♍03'58	46°49'49
	-252 Nov 11 j 22:10	0°♎	
	-252 Dec 08 j 12:22	0°♏	
	-251 Jan 02 j 18:51	0°♐	
	-251 Jan 27 j 13:55	0°♑	
desc. node	-251 Feb 07 j 08:53	13°♑08'03	
	-251 Feb 21 j 04:53	0°♒	
	-251 Mar 17 j 18:32	0°♓	
	-251 Apr 11 j 07:49	0°♈	
	-251 May 05 j 20:39	0°♉	
morning set	-251 May 07 j 11:06	1°♉57'40	
	-251 May 30 j 08:13	0°♊	
asc. node	-251 May 31 j 11:50	1°♊24'47	
max. Earth dist.	-251 Jun 10 j 08:24	13°♊31'29	1.73538 AU
superior conj	-251 Jun 12 j 18:31	16°♊30'10	0°28'32
minimum elong	-251 Jun 12 j 13:05	16°♊13'30	0°28'17
	-251 Jun 23 j 17:38	0°♋	
evening rise	-251 Jul 18 j 11:42	0°♌33'59	
	-251 Jul 18 j 00:43	0°♌	
	-251 Aug 11 j 06:18	0°♍	
	-251 Sep 04 j 11:51	0°♎	
desc. node	-251 Sep 20 j 01:40	19°♎15'01	
	-251 Sep 28 j 18:49	0°♏	
	-251 Oct 23 j 04:39	0°♐	
	-251 Nov 16 j 20:10	0°♑	
	-251 Dec 12 j 00:33	0°♒	
	-250 Jan 07 j 12:29	0°♓	
asc. node	-250 Jan 11 j 04:22	3°♓55'57	
evening max el	-250 Jan 20 j 12:30	13°♓36'38	46°32'11
	-250 Feb 07 j 04:34	0°♈	
greatest brilliancy	-250 Feb 24 j 23:55	12°♈05'25	-4.6m
retrograde	-250 Mar 11 j 14:58	15°♈56'38	
evening set	-250 Mar 28 j 10:46	10°♈26'49	
inferior conj	-250 Apr 01 j 23:42	7°♈38'05	6°22'52
minimum elong	-250 Apr 02 j 09:06	7°♈23'12	6°21'03
min. Earth dist.	-250 Apr 02 j 02:16	7°♈34'02	0.28884 AU
morning rise	-250 Apr 07 j 07:35	4°♈21'38	
	-250 Apr 17 j 16:21	30°℞♓	
direct	-250 Apr 23 j 09:44	29°♓20'40	
	-250 Apr 29 j 07:48	0°♈	
desc. node	-250 May 02 j 18:15	0°♈56'05	
greatest brilliancy	-250 May 06 j 00:30	2°♈09'07	-4.5m
morning max el	-250 Jun 11 j 05:02	29°♈06'28	45°45'12
	-250 Jun 12 j 03:26	0°♉	
	-250 Jul 11 j 02:17	0°♊	
	-250 Aug 06 j 14:14	0°♋	
asc. node	-250 Aug 23 j 21:12	20°♋24'02	
	-250 Aug 31 j 21:02	0°♌	

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

	-250 Sep 25 j 10:01	0°♍	
	-250 Oct 19 j 12:31	0°♎	
	-250 Nov 12 j 10:05	0°♏	
	-250 Dec 06 j 06:27	0°♐	
morning set	-250 Dec 09 j 23:23	4°♐39'31	
desc. node	-250 Dec 13 j 11:16	9°♐03'06	
	-250 Dec 30 j 03:39	0°♑	
superior conj	-249 Jan 20 j 20:34	27°♑10'43	-1°-14'-45
minimum elong	-249 Jan 20 j 10:43	26°♑39'54	1°14'31
	-249 Jan 23 j 02:45	0°♒	
max. Earth dist.	-249 Jan 24 j 19:06	2°♒05'58	1.71777 AU
	-249 Feb 16 j 04:36	0°♓	
evening rise	-249 Mar 01 j 21:18	16°♓59'05	
	-249 Mar 12 j 10:08	0°♈	
asc. node	-249 Apr 05 j 14:07	29°♈41'03	
	-249 Apr 05 j 20:18	0°♉	
	-249 Apr 30 j 12:01	0°♊	
	-249 May 25 j 10:31	0°♋	
	-249 Jun 19 j 18:36	0°♌	
	-249 Jul 15 j 18:32	0°♍	
desc. node	-249 Jul 26 j 03:47	11°♍39'07	
	-249 Aug 12 j 01:51	0°♎	
evening max el	-249 Aug 27 j 00:45	15°♎15'16	46°41'47
	-249 Sep 12 j 04:27	0°♏	
greatest brilliancy	-249 Oct 05 j 04:54	14°♏46'02	-4.6m
retrograde	-249 Oct 16 j 01:02	16°♏56'24	
evening set	-249 Oct 30 j 19:58	12°♏37'41	
inferior conj	-249 Nov 05 j 13:09	9°♏17'17	-2°-44'-36
minimum elong	-249 Nov 05 j 19:14	9°♏08'05	2°42'45
min. Earth dist.	-249 Nov 05 j 18:04	9°♏09'50	0.26400 AU
morning rise	-249 Nov 11 j 18:21	5°♏41'13	
asc. node	-249 Nov 16 j 06:39	3°♏35'55	
direct	-249 Nov 25 j 22:14	1°♏40'42	
greatest brilliancy	-249 Dec 08 j 05:30	4°♏31'37	-4.7m
	-248 Jan 10 j 14:34	0°♐	
morning max el	-248 Jan 15 j 11:07	4°♐48'34	46°47'31
	-248 Feb 08 j 02:49	0°♑	
	-248 Mar 05 j 12:05	0°♒	
desc. node	-248 Mar 06 j 20:44	1°♒34'41	
	-248 Mar 31 j 02:40	0°♓	
	-248 Apr 25 j 08:05	0°♈	
	-248 May 20 j 07:30	0°♉	
	-248 Jun 14 j 01:28	0°♊	
asc. node	-248 Jun 27 j 23:36	17°♊00'11	
	-248 Jul 08 j 13:40	0°♋	
morning set	-248 Jul 13 j 19:24	6°♋27'03	
	-248 Aug 01 j 20:11	0°♌	
max. Earth dist.	-248 Aug 15 j 16:53	17°♌14'44	1.72227 AU
superior conj	-248 Aug 19 j 12:07	21°♌59'06	1°24'10
minimum elong	-248 Aug 19 j 10:26	21°♌53'49	1°24'10
	-248 Aug 25 j 22:12	0°♍	
	-248 Sep 18 j 21:37	0°♎	
evening rise	-248 Sep 26 j 15:58	9°♎43'35	
	-248 Oct 12 j 20:22	0°♏	
desc. node	-248 Oct 17 j 13:41	5°♏54'38	
	-248 Nov 05 j 19:49	0°♐	
	-248 Nov 29 j 21:09	0°♑	
	-248 Dec 24 j 02:26	0°♒	
	-247 Jan 17 j 15:54	0°♓	
asc. node	-247 Feb 07 j 16:10	25°♓04'03	
	-247 Feb 11 j 21:21	0°♈	
	-247 Mar 10 j 10:20	0°♉	
evening max el	-247 Apr 01 j 12:33	22°♉47'44	45°26'17
	-247 Apr 09 j 05:58	0°♊	
greatest brilliancy	-247 May 05 j 18:28	18°♊59'14	-4.5m
retrograde	-247 May 20 j 00:26	22°♊30'23	
desc. node	-247 May 30 j 06:11	20°♊27'07	
evening set	-247 Jun 04 j 01:16	18°♊10'36	
inferior conj	-247 Jun 10 j 11:22	14°♊20'46	-2°-35'-14
minimum elong	-247 Jun 10 j 05:51	14°♊29'22	2°33'41
min. Earth dist.	-247 Jun 10 j 14:45	14°♊15'28	0.28925 AU
morning rise	-247 Jun 16 j 10:15	10°♊45'49	
direct	-247 Jul 02 j 04:40	6°♊03'16	
greatest brilliancy	-247 Jul 16 j 07:50	9°♊32'15	-4.5m
	-247 Aug 13 j 11:50	0°♋	
morning max el	-247 Aug 20 j 11:58	6°♋38'03	46°08'49
	-247 Sep 11 j 21:01	0°♌	
asc. node	-247 Sep 20 j 09:10	9°♌30'30	
	-247 Oct 08 j 01:35	0°♍	
	-247 Nov 01 j 23:29	0°♎	
	-247 Nov 26 j 07:33	0°♏	
	-247 Dec 20 j 10:27	0°♐	
desc. node	-246 Jan 09 j 23:03	25°♐34'03	
	-246 Jan 13 j 12:29	0°♑	
	-246 Feb 06 j 15:31	0°♒	
morning set	-246 Feb 24 j 09:19	22°♒00'25	
	-246 Mar 02 j 20:17	0°♓	
	-246 Mar 27 j 03:08	0°♈	
superior conj	-246 Apr 03 j 16:36	9°♈18'58	-1°-2'-6
minimum elong	-246 Apr 04 j 02:07	9°♈48'15	1°01'47
max. Earth dist.	-246 Apr 05 j 18:54	11°♈53'50	1.73291 AU
	-246 Apr 20 j 12:05	0°♉	
asc. node	-246 May 03 j 02:03	15°♉26'58	
evening rise	-246 May 10 j 18:20	24°♉52'08	
	-246 May 14 j 22:45	0°♊	
	-246 Jun 08 j 10:46	0°♋	
	-246 Jul 03 j 00:21	0°♌	
	-246 Jul 27 j 16:49	0°♍	
	-246 Aug 21 j 14:27	0°♎	
desc. node	-246 Aug 22 j 15:44	1°♎15'40	
	-246 Sep 15 j 20:55	0°♏	
	-246 Oct 11 j 20:13	0°♐	
evening max el	-246 Nov 07 j 20:34	29°♐15'36	47°25'14
	-246 Nov 08 j 14:01	0°♑	
asc. node	-246 Dec 13 j 18:35	28°♑56'15	
	-246 Dec 15 j 22:49	0°♒	
greatest brilliancy	-246 Dec 15 j 20:56	29°♑57'49	-4.7m
retrograde	-246 Dec 28 j 21:04	3°♒08'01	
	-245 Jan 10 j 05:35	30°℞♑	
evening set	-245 Jan 14 j 05:26	27°♑49'46	
min. Earth dist.	-245 Jan 17 j 17:05	25°♑41'39	0.27388 AU
inferior conj	-245 Jan 18 j 17:19	25°♑03'36	7°32'40
minimum elong	-245 Jan 18 j 08:34	25°♑17'21	7°31'17
morning rise	-245 Jan 22 j 12:07	22°♑43'41	
direct	-245 Feb 08 j 08:21	17°♑13'10	
greatest brilliancy	-245 Feb 18 j 20:39	19°♑15'49	-4.6m
	-245 Mar 09 j 01:00	0°♒	
morning max el	-245 Mar 29 j 14:32	18°♒03'15	46°06'39
desc. node	-245 Apr 04 j 08:37	23°♒43'40	
	-245 Apr 10 j 12:27	0°♓	
	-245 May 08 j 06:28	0°♈	
	-245 Jun 03 j 13:24	0°♉	
	-245 Jun 29 j 01:40	0°♊	
	-245 Jul 24 j 00:23	0°♋	
asc. node	-245 Jul 26 j 11:25	2°♋59'30	
	-245 Aug 17 j 12:00	0°♌	
	-245 Sep 10 j 15:13	0°♍	
morning set	-245 Sep 22 j 22:53	15°♍25'43	
	-245 Oct 04 j 13:15	0°♎	
	-245 Oct 28 j 09:09	0°♏	

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

superior conj	-245 Nov 01 j 13:25	5°♏15'44	0°31'21
minimum elong	-245 Nov 01 j 21:06	5°♏39'56	0°31'00
max. Earth dist.	-245 Nov 01 j 15:00	5°♏20'43	1.71032 AU
desc. node	-245 Nov 15 j 01:31	22°♏15'52	
	-245 Nov 21 j 05:03	0°♐	
evening rise	-245 Dec 13 j 09:19	27°♐52'07	
	-245 Dec 15 j 02:06	0°♑	
	-244 Jan 08 j 01:24	0°♒	
	-244 Feb 01 j 04:43	0°♓	
	-244 Feb 25 j 14:43	0°♈	
asc. node	-244 Mar 07 j 04:18	12°♈50'09	
	-244 Mar 21 j 10:55	0°♉	
	-244 Apr 15 j 22:30	0°♊	
	-244 May 12 j 11:48	0°♋	
	-244 Jun 10 j 09:33	0°♌	
evening max el	-244 Jun 11 j 08:19	0°♌54'31	45°28'54
desc. node	-244 Jun 26 j 18:04	14°♌35'40	
greatest brilliancy	-244 Jul 18 j 16:47	28°♌20'05	-4.5m
	-244 Jul 24 j 03:46	0°♍	
retrograde	-244 Jul 30 j 03:14	0°♍40'02	
	-244 Aug 04 j 22:53	30°℞♌	
evening set	-244 Aug 17 j 01:16	24°♌44'00	
inferior conj	-244 Aug 20 j 06:43	22°♌47'03	-8°-45'-24
minimum elong	-244 Aug 20 j 04:53	22°♌49'51	8°45'22
min. Earth dist.	-244 Aug 20 j 21:18	22°♌24'42	0.28033 AU
morning rise	-244 Aug 23 j 08:17	20°♌55'13	
direct	-244 Sep 10 j 11:24	14°♌43'41	
greatest brilliancy	-244 Sep 24 j 20:15	18°♌25'50	-4.6m
	-244 Oct 12 j 01:21	0°♍	
asc. node	-244 Oct 17 j 20:55	5°♍01'05	
morning max el	-244 Oct 31 j 01:44	17°♍43'07	46°48'57
	-244 Nov 11 j 17:11	0°♎	
	-244 Dec 08 j 03:26	0°♏	
	-243 Jan 02 j 08:11	0°♐	
	-243 Jan 27 j 02:16	0°♑	
desc. node	-243 Feb 06 j 10:53	12°♑37'21	
	-243 Feb 20 j 16:35	0°♒	
	-243 Mar 17 j 05:47	0°♓	
	-243 Apr 10 j 18:44	0°♈	
morning set	-243 May 05 j 05:21	29°♈53'58	
	-243 May 05 j 07:20	0°♉	
	-243 May 29 j 18:47	0°♊	
asc. node	-243 May 30 j 13:50	0°♊58'27	
max. Earth dist.	-243 Jun 08 j 07:49	11°♊43'22	1.73564 AU
superior conj	-243 Jun 10 j 13:16	14°♊27'41	0°25'36
minimum elong	-243 Jun 10 j 08:20	14°♊12'31	0°25'22
	-243 Jun 23 j 04:14	0°♋	
evening rise	-243 Jul 16 j 06:17	28°♋29'52	
	-243 Jul 17 j 11:27	0°♌	
	-243 Aug 10 j 17:16	0°♍	
	-243 Sep 03 j 23:08	0°♎	
desc. node	-243 Sep 19 j 03:49	18°♎46'08	
	-243 Sep 28 j 06:31	0°♏	
	-243 Oct 22 j 16:54	0°♐	
	-243 Nov 16 j 09:15	0°♑	
	-243 Dec 11 j 15:09	0°♒	
	-242 Jan 07 j 06:37	0°♓	
asc. node	-242 Jan 10 j 06:23	3°♓11'13	
evening max el	-242 Jan 18 j 04:18	11°♓21'52	46°34'58
	-242 Feb 07 j 14:03	0°♈	
greatest brilliancy	-242 Feb 22 j 16:32	9°♈54'38	-4.6m
retrograde	-242 Mar 09 j 08:09	13°♈46'17	
evening set	-242 Mar 26 j 05:50	8°♈12'10	
inferior conj	-242 Mar 30 j 16:02	5°♈27'27	6°35'55
minimum elong	-242 Mar 31 j 01:21	5°♈12'42	6°34'12
min. Earth dist.	-242 Mar 30 j 17:36	5°♈24'58	0.28863 AU
morning rise	-242 Apr 04 j 21:05	2°♈15'23	
	-242 Apr 09 j 04:17	30°℞♓	
direct	-242 Apr 21 j 01:55	27°♓10'29	
desc. node	-242 May 01 j 20:15	29°♓15'51	
greatest brilliancy	-242 May 03 j 14:19	29°♓57'13	-4.5m
	-242 May 03 j 16:58	0°♈	
morning max el	-242 Jun 08 j 22:00	26°♈59'48	45°45'09
	-242 Jun 12 j 00:50	0°♉	
	-242 Jul 10 j 17:30	0°♊	
	-242 Aug 06 j 03:16	0°♋	
asc. node	-242 Aug 22 j 23:23	19°♋53'45	
	-242 Aug 31 j 09:04	0°♌	
	-242 Sep 24 j 21:34	0°♍	
	-242 Oct 18 j 23:50	0°♎	
	-242 Nov 11 j 21:14	0°♏	
	-242 Dec 05 j 17:29	0°♐	
morning set	-242 Dec 07 j 09:03	2°♐04'23	
desc. node	-242 Dec 12 j 13:15	8°♐34'43	
	-242 Dec 29 j 14:36	0°♑	
superior conj	-241 Jan 18 j 07:13	24°♑39'52	-1°-12'-48
minimum elong	-241 Jan 17 j 20:47	24°♑07'15	1°12'33
max. Earth dist.	-241 Jan 22 j 06:51	29°♑38'48	1.71728 AU
	-241 Jan 22 j 13:39	0°♒	
	-241 Feb 15 j 15:27	0°♓	
evening rise	-241 Feb 27 j 10:44	14°♓38'33	
	-241 Mar 11 j 21:00	0°♈	
asc. node	-241 Apr 04 j 16:15	29°♈14'04	
	-241 Apr 05 j 07:17	0°♉	
	-241 Apr 29 j 23:17	0°♊	
	-241 May 24 j 22:22	0°♋	
	-241 Jun 19 j 07:29	0°♌	
	-241 Jul 15 j 09:21	0°♍	
desc. node	-241 Jul 25 j 05:51	11°♍00'32	
	-241 Aug 11 j 21:02	0°♎	
evening max el	-241 Aug 24 j 14:50	12°♎54'39	46°38'54
	-241 Sep 12 j 16:47	0°♏	
greatest brilliancy	-241 Oct 02 j 18:01	12°♏18'21	-4.6m
retrograde	-241 Oct 13 j 12:51	14°♏26'47	
evening set	-241 Oct 28 j 10:13	10°♏05'31	
inferior conj	-241 Nov 03 j 01:03	6°♏48'02	-3°-8'-4
minimum elong	-241 Nov 03 j 07:54	6°♏37'39	3°05'59
min. Earth dist.	-241 Nov 03 j 07:17	6°♏38'35	0.26422 AU
morning rise	-241 Nov 09 j 05:26	3°♏12'53	
asc. node	-241 Nov 15 j 08:41	0°♏32'20	
	-241 Nov 17 j 04:35	30°℞♎	
direct	-241 Nov 23 j 11:01	29°♎11'18	
	-241 Nov 29 j 20:53	0°♏	
greatest brilliancy	-241 Dec 05 j 19:05	2°♏03'10	-4.7m
	-240 Jan 10 j 15:14	0°♐	
morning max el	-240 Jan 13 j 00:03	2°♐22'10	46°48'29
	-240 Feb 07 j 19:42	0°♑	
	-240 Mar 05 j 02:09	0°♒	
desc. node	-240 Mar 05 j 22:57	1°♒00'29	
	-240 Mar 30 j 15:18	0°♓	
	-240 Apr 24 j 19:52	0°♈	
	-240 May 19 j 18:44	0°♉	
	-240 Jun 13 j 12:23	0°♊	
asc. node	-240 Jun 27 j 01:41	16°♊33'26	
	-240 Jul 08 j 00:25	0°♋	
morning set	-240 Jul 11 j 13:15	4°♋21'08	
	-240 Aug 01 j 06:54	0°♌	
max. Earth dist.	-240 Aug 13 j 06:50	14°♌55'16	1.72285 AU
superior conj	-240 Aug 17 j 04:53	19°♌48'15	1°23'48
minimum elong	-240 Aug 17 j 02:28	19°♌40'44	1°23'47
	-240 Aug 25 j 08:58	0°♍	

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

	-240 Sep 18 j 08:32	0°♎	
evening rise	-240 Sep 24 j 05:02	7°♎19'50	
	-240 Oct 12 j 07:29	0°♏	
desc. node	-240 Oct 16 j 15:45	5°♏26'11	
	-240 Nov 05 j 07:10	0°♐	
	-240 Nov 29 j 08:45	0°♑	
	-240 Dec 23 j 14:23	0°♒	
	-239 Jan 17 j 04:25	0°♓	
asc. node	-239 Feb 06 j 18:23	24°♓31'04	
	-239 Feb 11 j 11:04	0°♈	
	-239 Mar 10 j 02:53	0°♉	
evening max el	-239 Mar 30 j 03:44	20°♉35'22	45°27'35
	-239 Apr 09 j 08:33	0°♊	
greatest brilliancy	-239 May 03 j 10:15	16°♊50'20	-4.5m
retrograde	-239 May 17 j 16:11	20°♊22'16	
desc. node	-239 May 29 j 08:14	17°♊43'14	
evening set	-239 Jun 01 j 17:12	16°♊02'55	
inferior conj	-239 Jun 08 j 03:46	12°♊12'24	-2°-16'-12
minimum elong	-239 Jun 07 j 22:53	12°♊20'02	2°14'50
min. Earth dist.	-239 Jun 08 j 07:38	12°♊06'21	0.28934 AU
morning rise	-239 Jun 14 j 04:20	8°♊34'43	
direct	-239 Jun 29 j 20:45	3°♊54'39	
greatest brilliancy	-239 Jul 13 j 23:13	7°♊22'03	-4.5m
	-239 Aug 13 j 12:26	0°♋	
morning max el	-239 Aug 18 j 02:12	4°♋22'13	46°07'31
	-239 Sep 11 j 13:19	0°♌	
asc. node	-239 Sep 19 j 11:17	8°♌53'15	
	-239 Oct 07 j 15:19	0°♍	
	-239 Nov 01 j 12:05	0°♎	
	-239 Nov 25 j 19:35	0°♏	
	-239 Dec 19 j 22:08	0°♐	
desc. node	-238 Jan 09 j 01:10	25°♐04'56	
	-238 Jan 12 j 23:54	0°♑	
	-238 Feb 06 j 02:42	0°♒	
morning set	-238 Feb 21 j 22:33	19°♒38'30	
	-238 Mar 02 j 07:16	0°♓	
	-238 Mar 26 j 13:58	0°♈	
superior conj	-238 Apr 01 j 08:50	7°♈07'50	-1°-4'-20
minimum elong	-238 Apr 01 j 18:19	7°♈37'03	1°04'03
max. Earth dist.	-238 Apr 03 j 14:02	9°♈51'40	1.73248 AU
	-238 Apr 19 j 22:52	0°♉	
asc. node	-238 May 02 j 04:03	14°♉59'56	
evening rise	-238 May 08 j 12:35	22°♉47'43	
	-238 May 14 j 09:37	0°♊	
	-238 Jun 07 j 21:49	0°♋	
	-238 Jul 02 j 11:45	0°♌	
	-238 Jul 27 j 04:45	0°♍	
	-238 Aug 21 j 03:14	0°♎	
desc. node	-238 Aug 21 j 17:57	0°♎43'59	
	-238 Sep 15 j 11:04	0°♏	
	-238 Oct 11 j 12:55	0°♐	
evening max el	-238 Nov 05 j 09:51	26°♐49'28	47°25'13
	-238 Nov 08 j 13:25	0°♑	
asc. node	-238 Dec 12 j 20:37	27°♑16'15	
greatest brilliancy	-238 Dec 13 j 13:09	27°♑35'37	-4.7m
	-238 Dec 20 j 09:26	0°♒	
retrograde	-238 Dec 26 j 10:55	0°♒43'51	
	-237 Jan 01 j 08:59	30°℞♑	
evening set	-237 Jan 11 j 15:51	25°♑31'24	
min. Earth dist.	-237 Jan 15 j 07:10	23°♑18'17	0.27323 AU
inferior conj	-237 Jan 16 j 07:15	22°♑40'32	7°21'16
minimum elong	-237 Jan 15 j 22:05	22°♑54'54	7°19'44
morning rise	-237 Jan 20 j 04:44	20°♑16'50	
direct	-237 Feb 05 j 21:01	14°♑50'54	
greatest brilliancy	-237 Feb 16 j 11:13	16°♑55'11	-4.6m
	-237 Mar 09 j 14:23	0°♒	
morning max el	-237 Mar 27 j 04:03	15°♒43'30	46°08'08
desc. node	-237 Apr 03 j 10:38	22°♒56'12	
	-237 Apr 10 j 07:30	0°♓	
	-237 May 07 j 21:14	0°♈	
	-237 Jun 03 j 02:20	0°♉	
	-237 Jun 28 j 13:39	0°♊	
	-237 Jul 23 j 11:50	0°♋	
asc. node	-237 Jul 25 j 13:34	2°♋31'15	
	-237 Aug 16 j 23:11	0°♌	
	-237 Sep 10 j 02:16	0°♍	
morning set	-237 Sep 20 j 13:08	13°♍05'10	
	-237 Oct 04 j 00:17	0°♎	
	-237 Oct 27 j 20:14	0°♏	
superior conj	-237 Oct 30 j 00:21	2°♏44'08	0°34'56
minimum elong	-237 Oct 30 j 08:43	3°♏10'29	0°34'33
max. Earth dist.	-237 Oct 29 j 23:16	2°♏40'41	1.71046 AU
desc. node	-237 Nov 14 j 03:32	21°♏47'18	
	-237 Nov 20 j 16:10	0°♐	
evening rise	-237 Dec 10 j 19:16	25°♐17'44	
	-237 Dec 14 j 13:17	0°♑	
	-236 Jan 07 j 12:41	0°♒	
	-236 Jan 31 j 16:10	0°♓	
	-236 Feb 25 j 02:27	0°♈	
asc. node	-236 Mar 06 j 06:22	12°♈20'22	
	-236 Mar 20 j 23:14	0°♉	
	-236 Apr 15 j 11:58	0°♊	
	-236 May 12 j 03:45	0°♋	
evening max el	-236 Jun 08 j 23:04	28°♋40'08	45°27'33
	-236 Jun 10 j 08:45	0°♌	
desc. node	-236 Jun 25 j 20:09	13°♌31'17	
greatest brilliancy	-236 Jul 16 j 02:51	25°♌59'22	-4.5m
retrograde	-236 Jul 27 j 17:41	28°♌23'07	
evening set	-236 Aug 14 j 13:22	22°♌29'20	
inferior conj	-236 Aug 17 j 21:01	20°♌29'06	-8°-42'-35
minimum elong	-236 Aug 17 j 18:21	20°♌33'10	8°42'30
min. Earth dist.	-236 Aug 18 j 10:34	20°♌08'22	0.28088 AU
morning rise	-236 Aug 20 j 23:09	18°♌36'32	
direct	-236 Sep 08 j 02:51	12°♌24'53	
greatest brilliancy	-236 Sep 22 j 12:32	16°♌08'33	-4.6m
	-236 Oct 12 j 10:48	0°♍	
asc. node	-236 Oct 16 j 22:53	3°♍59'59	
morning max el	-236 Oct 28 j 17:08	15°♍23'23	46°48'07
	-236 Nov 11 j 11:56	0°♎	
	-236 Dec 07 j 18:30	0°♏	
	-235 Jan 01 j 21:36	0°♐	
	-235 Jan 26 j 14:45	0°♑	
desc. node	-235 Feb 05 j 13:06	12°♑06'46	
	-235 Feb 20 j 04:29	0°♒	
	-235 Mar 16 j 17:16	0°♓	
	-235 Apr 10 j 05:56	0°♈	
morning set	-235 May 02 j 23:26	27°♈48'42	
	-235 May 04 j 18:20	0°♉	
	-235 May 29 j 05:40	0°♊	
asc. node	-235 May 29 j 15:56	0°♊31'30	
max. Earth dist.	-235 Jun 06 j 07:13	9°♊54'20	1.73582 AU
superior conj	-235 Jun 08 j 07:49	12°♊23'41	0°22'37
minimum elong	-235 Jun 08 j 03:24	12°♊10'08	0°22'25
	-235 Jun 22 j 15:07	0°♋	
evening rise	-235 Jul 14 j 00:50	26°♋24'51	
	-235 Jul 16 j 22:27	0°♌	
	-235 Aug 10 j 04:32	0°♍	
	-235 Sep 03 j 10:45	0°♎	
desc. node	-235 Sep 18 j 05:50	18°♎15'46	
	-235 Sep 27 j 18:33	0°♏	
	-235 Oct 22 j 05:30	0°♐	

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

	-235 Nov 15 j 22:42	0°♉	
	-235 Dec 11 j 06:11	0°♒	
	-234 Jan 07 j 01:28	0°♓	
asc. node	-234 Jan 09 j 08:34	2°♓25'40	
evening max el	-234 Jan 15 j 20:31	9°♓07'20	46°37'39
	-234 Feb 08 j 03:13	0°♈	
greatest brilliancy	-234 Feb 20 j 10:08	7°♈44'25	-4.6m
retrograde	-234 Mar 07 j 01:13	11°♈34'58	
evening set	-234 Mar 24 j 00:57	5°♈56'53	
inferior conj	-234 Mar 28 j 08:24	3°♈15'58	6°48'20
minimum elong	-234 Mar 28 j 17:35	3°♈01'26	6°46'44
min. Earth dist.	-234 Mar 28 j 08:51	3°♈15'16	0.28841 AU
morning rise	-234 Apr 02 j 10:29	0°♈08'17	
	-234 Apr 02 j 16:14	30°R♓	
direct	-234 Apr 18 j 18:28	24°♓59'36	
desc. node	-234 Apr 30 j 22:19	27°♓38'13	
greatest brilliancy	-234 May 01 j 03:25	27°♓43'28	-4.5m
	-234 May 05 j 22:02	0°♈	
morning max el	-234 Jun 06 j 14:35	24°♈51'06	45°45'03
	-234 Jun 11 j 21:55	0°♉	
	-234 Jul 10 j 08:53	0°♊	
	-234 Aug 05 j 16:33	0°♋	
asc. node	-234 Aug 22 j 01:31	19°♋22'28	
	-234 Aug 30 j 21:22	0°♌	
	-234 Sep 24 j 09:23	0°♍	
	-234 Oct 18 j 11:23	0°♎	
	-234 Nov 11 j 08:40	0°♏	
morning set	-234 Dec 04 j 18:54	29°♏28'48	
	-234 Dec 05 j 04:49	0°♐	
desc. node	-234 Dec 11 j 15:23	8°♐05'51	
	-234 Dec 29 j 01:51	0°♑	
superior conj	-233 Jan 15 j 18:00	22°♑08'28	-1°-10'-42
minimum elong	-233 Jan 15 j 07:07	21°♑34'25	1°10'25
max. Earth dist.	-233 Jan 19 j 20:17	27°♑15'48	1.71674 AU
	-233 Jan 22 j 00:49	0°♒	
	-233 Feb 15 j 02:35	0°♓	
evening rise	-233 Feb 25 j 00:18	12°♓17'30	
	-233 Mar 11 j 08:08	0°♈	
asc. node	-233 Apr 03 j 18:15	28°♈45'44	
	-233 Apr 04 j 18:33	0°♉	
	-233 Apr 29 j 10:53	0°♊	
	-233 May 24 j 10:35	0°♋	
	-233 Jun 18 j 20:48	0°♌	
	-233 Jul 15 j 00:43	0°♍	
desc. node	-233 Jul 24 j 08:03	10°♍20'57	
	-233 Aug 11 j 17:06	0°♎	
evening max el	-233 Aug 22 j 04:05	10°♎31'16	46°36'06
	-233 Sep 13 j 09:32	0°♏	
greatest brilliancy	-233 Sep 30 j 08:00	9°♏51'19	-4.6m
retrograde	-233 Oct 11 j 00:18	11°♏57'02	
evening set	-233 Oct 26 j 00:47	7°♏32'56	
inferior conj	-233 Oct 31 j 13:09	4°♏18'39	-3°-30'-52
minimum elong	-233 Oct 31 j 20:42	4°♏07'11	3°28'37
min. Earth dist.	-233 Oct 31 j 20:55	4°♏06'50	0.26450 AU
morning rise	-233 Nov 06 j 16:24	0°♏44'34	
	-233 Nov 08 j 03:17	30°R♎	
asc. node	-233 Nov 14 j 10:49	27°♎34'00	
direct	-233 Nov 20 j 23:25	26°♎41'31	
greatest brilliancy	-233 Dec 03 j 09:33	29°♎35'05	-4.7m
	-233 Dec 04 j 07:30	0°♏	
morning max el	-232 Jan 10 j 12:20	29°♏53'00	46°49'26
	-232 Jan 10 j 15:06	0°♐	
	-232 Feb 07 j 12:36	0°♑	
	-232 Mar 04 j 16:23	0°♒	
desc. node	-232 Mar 05 j 00:56	0°♒24'58	
	-232 Mar 30 j 04:07	0°♓	
	-232 Apr 24 j 07:50	0°♈	
	-232 May 19 j 06:11	0°♉	
	-232 Jun 12 j 23:32	0°♊	
asc. node	-232 Jun 26 j 03:50	16°♊06'10	
	-232 Jul 07 j 11:26	0°♋	
morning set	-232 Jul 09 j 07:03	2°♋14'13	
	-232 Jul 31 j 17:54	0°♌	
max. Earth dist.	-232 Aug 10 j 21:52	12°♌38'22	1.72344 AU
superior conj	-232 Aug 14 j 21:37	17°♌36'33	1°23'17
minimum elong	-232 Aug 14 j 18:31	17°♌26'52	1°23'16
	-232 Aug 24 j 20:01	0°♍	
	-232 Sep 17 j 19:42	0°♎	
evening rise	-232 Sep 21 j 18:11	4°♎55'40	
	-232 Oct 11 j 18:50	0°♏	
desc. node	-232 Oct 15 j 17:44	4°♏56'48	
	-232 Nov 04 j 18:45	0°♐	
	-232 Nov 28 j 20:37	0°♑	
	-232 Dec 23 j 02:37	0°♒	
	-231 Jan 16 j 17:17	0°♓	
asc. node	-231 Feb 05 j 20:27	23°♓56'41	
	-231 Feb 11 j 01:10	0°♈	
	-231 Mar 09 j 20:00	0°♉	
evening max el	-231 Mar 27 j 18:16	18°♉20'53	45°29'06
	-231 Apr 09 j 13:01	0°♊	
greatest brilliancy	-231 May 01 j 00:58	14°♊39'44	-4.5m
retrograde	-231 May 15 j 08:17	18°♊14'07	
desc. node	-231 May 28 j 10:19	14°♊55'13	
evening set	-231 May 30 j 09:20	13°♊54'39	
inferior conj	-231 Jun 05 j 20:15	10°♊03'51	-1°-57'-8
minimum elong	-231 Jun 05 j 16:02	10°♊10'27	1°55'56
min. Earth dist.	-231 Jun 06 j 00:35	9°♊57'04	0.28946 AU
morning rise	-231 Jun 11 j 22:23	6°♊23'46	
direct	-231 Jun 27 j 12:39	1°♊45'42	
greatest brilliancy	-231 Jul 11 j 15:43	5°♊12'59	-4.5m
	-231 Aug 13 j 12:10	0°♋	
morning max el	-231 Aug 15 j 17:10	2°♋07'38	46°06'10
	-231 Sep 11 j 05:35	0°♌	
asc. node	-231 Sep 18 j 13:15	8°♌15'11	
	-231 Oct 07 j 05:09	0°♍	
	-231 Nov 01 j 00:49	0°♎	
	-231 Nov 25 j 07:44	0°♏	
	-231 Dec 19 j 09:55	0°♐	
desc. node	-230 Jan 08 j 03:16	24°♐35'30	
	-230 Jan 12 j 11:26	0°♑	
	-230 Feb 05 j 14:00	0°♒	
morning set	-230 Feb 19 j 11:29	17°♒15'07	
	-230 Mar 01 j 18:23	0°♓	
	-230 Mar 26 j 00:58	0°♈	
superior conj	-230 Mar 30 j 01:00	4°♈55'57	-1°-6'-29
minimum elong	-230 Mar 30 j 10:25	5°♈25'00	1°06'13
max. Earth dist.	-230 Apr 01 j 07:12	7°♈42'57	1.73204 AU
	-230 Apr 19 j 09:49	0°♉	
asc. node	-230 May 01 j 06:11	14°♉32'58	
evening rise	-230 May 06 j 06:50	20°♉42'57	
	-230 May 13 j 20:36	0°♊	
	-230 Jun 07 j 08:58	0°♋	
	-230 Jul 01 j 23:15	0°♌	
	-230 Jul 26 j 16:51	0°♍	
desc. node	-230 Aug 20 j 19:53	0°♎10'53	
	-230 Aug 20 j 16:14	0°♎	
	-230 Sep 15 j 01:32	0°♏	
	-230 Oct 11 j 06:08	0°♐	
evening max el	-230 Nov 02 j 23:27	24°♐23'44	47°25'16
	-230 Nov 08 j 14:06	0°♑	
greatest brilliancy	-230 Dec 11 j 04:21	25°♑11'23	-4.7m

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

asc. node	-230 Dec 11 j 22:46	25°♉31'55	
retrograde	-230 Dec 24 j 01:05	28°♉18'56	
evening set	-229 Jan 09 j 02:04	23°♉11'53	
min. Earth dist.	-229 Jan 12 j 20:44	20°♉54'20	0.27259 AU
inferior conj	-229 Jan 13 j 20:58	20°♉16'28	7°09'01
minimum elong	-229 Jan 13 j 11:27	20°♉31'20	7°07'18
morning rise	-229 Jan 17 j 21:16	17°♉49'01	
direct	-229 Feb 03 j 09:46	12°♉27'38	
greatest brilliancy	-229 Feb 14 j 01:08	14°♉33'16	-4.6m
	-229 Mar 10 j 00:32	0°♒	
morning max el	-229 Mar 24 j 18:24	13°♒25'23	46°09'36
desc. node	-229 Apr 02 j 12:39	22°♒09'15	
	-229 Apr 10 j 02:08	0°♓	
	-229 May 07 j 11:55	0°♈	
	-229 Jun 02 j 15:14	0°♉	
	-229 Jun 28 j 01:36	0°♊	
	-229 Jul 22 j 23:15	0°♋	
asc. node	-229 Jul 24 j 15:40	2°♋02'59	
	-229 Aug 16 j 10:19	0°♌	
	-229 Sep 09 j 13:19	0°♍	
morning set	-229 Sep 18 j 03:24	10°♍44'48	
	-229 Oct 03 j 11:22	0°♎	
superior conj	-229 Oct 27 j 11:05	0°♏11'43	0°38'27
minimum elong	-229 Oct 27 j 20:03	0°♏39'57	0°38'03
	-229 Oct 27 j 07:22	0°♏	
max. Earth dist.	-229 Oct 27 j 08:22	0°♏03'09	1.71065 AU
desc. node	-229 Nov 13 j 05:42	21°♏19'00	
	-229 Nov 20 j 03:21	0°♐	
evening rise	-229 Dec 08 j 04:46	22°♐41'46	
	-229 Dec 14 j 00:30	0°♑	
	-228 Jan 06 j 23:58	0°♒	
	-228 Jan 31 j 03:36	0°♓	
	-228 Feb 24 j 14:12	0°♈	
asc. node	-228 Mar 05 j 08:21	11°♈50'20	
	-228 Mar 20 j 11:35	0°♉	
	-228 Apr 15 j 01:30	0°♊	
	-228 May 11 j 19:55	0°♋	
evening max el	-228 Jun 06 j 14:40	26°♋28'10	45°26'20
	-228 Jun 10 j 08:53	0°♌	
desc. node	-228 Jun 24 j 22:18	12°♌25'47	
greatest brilliancy	-228 Jul 13 j 13:45	23°♌40'27	-4.5m
retrograde	-228 Jul 25 j 08:11	26°♌07'02	
evening set	-228 Aug 12 j 01:19	20°♌16'22	
inferior conj	-228 Aug 15 j 11:27	18°♌12'13	-8°-38'-56
minimum elong	-228 Aug 15 j 07:59	18°♌17'32	8°38'48
min. Earth dist.	-228 Aug 15 j 23:48	17°♌53'18	0.28138 AU
morning rise	-228 Aug 18 j 14:28	16°♌18'16	
direct	-228 Sep 05 j 18:33	10°♌07'28	
greatest brilliancy	-228 Sep 20 j 03:29	13°♌50'36	-4.6m
	-228 Oct 12 j 17:25	0°♍	
asc. node	-228 Oct 16 j 01:04	3°♍01'20	
morning max el	-228 Oct 26 j 08:15	13°♍03'37	46°46'55
	-228 Nov 11 j 06:06	0°♎	
	-228 Dec 07 j 09:19	0°♏	
	-227 Jan 01 j 10:53	0°♐	
	-227 Jan 26 j 03:08	0°♑	
desc. node	-227 Feb 04 j 15:05	11°♑35'48	
	-227 Feb 19 j 16:16	0°♒	
	-227 Mar 16 j 04:38	0°♓	
	-227 Apr 09 j 16:59	0°♈	
morning set	-227 Apr 30 j 17:19	25°♈43'16	
	-227 May 04 j 05:10	0°♉	
asc. node	-227 May 28 j 18:05	0°♊05'06	
	-227 May 28 j 16:25	0°♊	
max. Earth dist.	-227 Jun 04 j 05:36	8°♊02'36	1.73597 AU
superior conj	-227 Jun 06 j 02:18	10°♊19'56	0°19'36
minimum elong	-227 Jun 05 j 22:27	10°♊08'06	0°19'25
	-227 Jun 22 j 01:51	0°♋	
evening rise	-227 Jul 11 j 19:26	24°♋20'36	
	-227 Jul 16 j 09:19	0°♌	
	-227 Aug 09 j 15:36	0°♍	
	-227 Sep 02 j 22:08	0°♎	
desc. node	-227 Sep 17 j 07:54	17°♎46'20	
	-227 Sep 27 j 06:22	0°♏	
	-227 Oct 21 j 17:56	0°♐	
	-227 Nov 15 j 12:05	0°♑	
	-227 Dec 10 j 21:17	0°♒	
	-226 Jan 06 j 20:46	0°♓	
asc. node	-226 Jan 08 j 10:36	1°♓39'08	
evening max el	-226 Jan 13 j 12:26	6°♓51'56	46°40'14
	-226 Feb 08 j 20:57	0°♈	
greatest brilliancy	-226 Feb 18 j 04:36	5°♈35'02	-4.6m
retrograde	-226 Mar 04 j 17:44	9°♈23'02	
evening set	-226 Mar 21 j 19:50	3°♈41'19	
inferior conj	-226 Mar 26 j 00:33	1°♈04'10	7°00'16
minimum elong	-226 Mar 26 j 09:30	0°♈49'58	6°58'48
min. Earth dist.	-226 Mar 26 j 00:01	1°♈05'01	0.28813 AU
	-226 Mar 27 j 17:09	30°℞♓	
morning rise	-226 Mar 30 j 23:29	28°♓00'54	
direct	-226 Apr 16 j 10:37	22°♓48'36	
greatest brilliancy	-226 Apr 28 j 15:47	25°♓28'51	-4.5m
desc. node	-226 Apr 30 j 00:29	26°♓04'03	
	-226 May 07 j 08:40	0°♈	
morning max el	-226 Jun 04 j 06:03	22°♈40'12	45°45'00
	-226 Jun 11 j 18:04	0°♉	
	-226 Jul 09 j 23:49	0°♊	
	-226 Aug 05 j 05:29	0°♋	
asc. node	-226 Aug 21 j 03:26	18°♋51'30	
	-226 Aug 30 j 09:21	0°♌	
	-226 Sep 23 j 20:52	0°♍	
	-226 Oct 17 j 22:36	0°♎	
	-226 Nov 10 j 19:44	0°♏	
morning set	-226 Dec 02 j 04:55	26°♏54'45	
	-226 Dec 04 j 15:49	0°♐	
desc. node	-226 Dec 10 j 17:29	7°♐37'56	
	-226 Dec 28 j 12:49	0°♑	
superior conj	-225 Jan 13 j 04:30	19°♑36'59	-1°-8'-27
minimum elong	-225 Jan 12 j 17:16	19°♑01'48	1°08'08
max. Earth dist.	-225 Jan 17 j 07:53	24°♑47'49	1.71624 AU
	-225 Jan 21 j 11:45	0°♒	
	-225 Feb 14 j 13:28	0°♓	
evening rise	-225 Feb 22 j 13:12	9°♓55'00	
	-225 Mar 10 j 19:02	0°♈	
asc. node	-225 Apr 02 j 20:22	28°♈18'34	
	-225 Apr 04 j 05:35	0°♉	
	-225 Apr 28 j 22:15	0°♊	
	-225 May 23 j 22:35	0°♋	
	-225 Jun 18 j 09:56	0°♌	
	-225 Jul 14 j 16:01	0°♍	
desc. node	-225 Jul 23 j 10:00	9°♍41'05	
	-225 Aug 11 j 13:28	0°♎	
evening max el	-225 Aug 19 j 16:30	8°♎06'54	46°33'22
	-225 Sep 14 j 07:14	0°♏	
greatest brilliancy	-225 Sep 27 j 22:27	7°♏26'09	-4.6m
retrograde	-225 Oct 08 j 11:38	9°♏29'03	
evening set	-225 Oct 23 j 15:32	5°♏01'41	
inferior conj	-225 Oct 29 j 01:21	1°♏51'04	-3°-53'-2
minimum elong	-225 Oct 29 j 09:33	1°♏38'36	3°50'40
min. Earth dist.	-225 Oct 29 j 10:51	1°♏36'38	0.26478 AU
	-225 Nov 01 j 03:09	30°℞♎	
morning rise	-225 Nov 04 j 03:13	28°♎18'26	

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

asc. node	-225 Nov 13 j 12:52	24°♎43'19	
direct	-225 Nov 18 j 11:24	24°♎13'17	
greatest brilliancy	-225 Dec 01 j 00:43	27°♎09'34	-4.7m
	-225 Dec 06 j 12:21	0°♏	
morning max el	-224 Jan 08 j 00:27	27°♏24'38	46°50'19
	-224 Jan 10 j 13:26	0°♐	
	-224 Feb 07 j 04:46	0°♑	
desc. node	-224 Mar 04 j 02:58	29°♑50'48	
	-224 Mar 04 j 06:07	0°♒	
	-224 Mar 29 j 16:34	0°♓	
	-224 Apr 23 j 19:29	0°♈	
	-224 May 18 j 17:19	0°♉	
	-224 Jun 12 j 10:22	0°♊	
asc. node	-224 Jun 25 j 05:50	15°♊39'25	
	-224 Jul 06 j 22:08	0°♋	
morning set	-224 Jul 07 j 00:35	0°♋07'33	
	-224 Jul 31 j 04:35	0°♌	
max. Earth dist.	-224 Aug 08 j 14:46	10°♌28'19	1.72404 AU
superior conj	-224 Aug 12 j 14:16	15°♌25'31	1°22'39
minimum elong	-224 Aug 12 j 10:30	15°♌13'47	1°22'38
	-224 Aug 24 j 06:47	0°♍	
	-224 Sep 17 j 06:36	0°♎	
evening rise	-224 Sep 19 j 07:33	2°♎33'08	
	-224 Oct 11 j 05:54	0°♏	
desc. node	-224 Oct 14 j 19:54	4°♏28'57	
	-224 Nov 04 j 06:01	0°♐	
	-224 Nov 28 j 08:07	0°♑	
	-224 Dec 22 j 14:27	0°♒	
	-223 Jan 16 j 05:46	0°♓	
asc. node	-223 Feb 04 j 22:25	23°♓23'03	
	-223 Feb 10 j 15:00	0°♈	
	-223 Mar 09 j 13:06	0°♉	
evening max el	-223 Mar 25 j 09:02	16°♉07'52	45°30'37
	-223 Apr 09 j 19:10	0°♊	
greatest brilliancy	-223 Apr 28 j 14:50	12°♊28'43	-4.5m
retrograde	-223 May 13 j 00:43	16°♊06'37	
desc. node	-223 May 27 j 12:24	12°♊04'12	
evening set	-223 May 28 j 01:34	11°♊46'37	
inferior conj	-223 Jun 03 j 12:40	7°♊55'47	-1°-37'-53
minimum elong	-223 Jun 03 j 09:06	8°♊01'21	1°36'51
min. Earth dist.	-223 Jun 03 j 17:17	7°♊48'34	0.28960 AU
morning rise	-223 Jun 09 j 16:19	4°♊13'41	
	-223 Jun 20 j 18:57	30°R♉	
direct	-223 Jun 25 j 04:37	29°♉37'12	
	-223 Jun 29 j 16:52	0°♊	
greatest brilliancy	-223 Jul 09 j 08:41	3°♊05'19	-4.5m
	-223 Aug 13 j 10:33	0°♋	
morning max el	-223 Aug 13 j 08:54	29°♊56'01	46°04'51
	-223 Sep 10 j 21:15	0°♌	
asc. node	-223 Sep 17 j 15:26	7°♌38'56	
	-223 Oct 06 j 18:35	0°♍	
	-223 Oct 31 j 13:12	0°♎	
	-223 Nov 24 j 19:33	0°♏	
	-223 Dec 18 j 21:22	0°♐	
desc. node	-222 Jan 07 j 05:16	24°♐06'49	
	-222 Jan 11 j 22:35	0°♑	
	-222 Feb 05 j 00:55	0°♒	
morning set	-222 Feb 17 j 00:40	14°♒53'31	
	-222 Mar 01 j 05:07	0°♓	
	-222 Mar 25 j 11:37	0°♈	
superior conj	-222 Mar 27 j 17:15	2°♈45'25	-1°-8'-32
minimum elong	-222 Mar 28 j 02:33	3°♈14'05	1°08'16
max. Earth dist.	-222 Mar 30 j 00:40	5°♈36'10	1.73166 AU
	-222 Apr 18 j 20:27	0°♉	
asc. node	-222 Apr 30 j 08:18	14°♉06'51	
evening rise	-222 May 04 j 01:04	18°♉39'04	
	-222 May 13 j 07:18	0°♊	
	-222 Jun 06 j 19:52	0°♋	
	-222 Jul 01 j 10:32	0°♌	
	-222 Jul 26 j 04:44	0°♍	
desc. node	-222 Aug 19 j 21:58	29°♍38'47	
	-222 Aug 20 j 05:05	0°♎	
	-222 Sep 14 j 15:56	0°♏	
	-222 Oct 10 j 23:29	0°♐	
evening max el	-222 Oct 31 j 14:03	22°♐01'16	47°25'14
	-222 Nov 08 j 15:46	0°♑	
greatest brilliancy	-222 Dec 08 j 19:20	22°♑47'27	-4.7m
asc. node	-222 Dec 11 j 00:49	23°♑44'03	
retrograde	-222 Dec 21 j 15:45	25°♑54'31	
evening set	-221 Jan 06 j 12:20	20°♑52'48	
min. Earth dist.	-221 Jan 10 j 10:04	18°♑31'09	0.27189 AU
inferior conj	-221 Jan 11 j 10:36	17°♑52'55	6°55'58
minimum elong	-221 Jan 11 j 00:50	18°♑08'09	6°54'05
morning rise	-221 Jan 15 j 13:49	15°♑21'42	
direct	-221 Jan 31 j 22:55	10°♑05'05	
greatest brilliancy	-221 Feb 11 j 13:56	12°♑11'02	-4.6m
	-221 Mar 10 j 07:29	0°♒	
morning max el	-221 Mar 22 j 09:20	11°♒09'48	46°11'08
desc. node	-221 Apr 01 j 14:51	21°♒24'33	
	-221 Apr 09 j 19:55	0°♓	
	-221 May 07 j 02:04	0°♈	
	-221 Jun 02 j 03:47	0°♉	
	-221 Jun 27 j 13:17	0°♊	
	-221 Jul 22 j 10:27	0°♋	
asc. node	-221 Jul 23 j 17:40	1°♋34'59	
	-221 Aug 15 j 21:17	0°♌	
	-221 Sep 09 j 00:12	0°♍	
morning set	-221 Sep 15 j 17:42	8°♍25'13	
	-221 Oct 02 j 22:16	0°♎	
superior conj	-221 Oct 24 j 21:55	27°♎40'11	0°41'52
minimum elong	-221 Oct 25 j 07:24	28°♎10'03	0°41'28
max. Earth dist.	-221 Oct 24 j 17:03	27°♎24'52	1.71084 AU
	-221 Oct 26 j 18:20	0°♏	
desc. node	-221 Nov 12 j 07:44	20°♏50'48	
	-221 Nov 19 j 14:23	0°♐	
evening rise	-221 Dec 05 j 14:14	20°♐06'03	
	-221 Dec 13 j 11:36	0°♑	
	-220 Jan 06 j 11:09	0°♒	
	-220 Jan 30 j 14:55	0°♓	
	-220 Feb 24 j 01:47	0°♈	
asc. node	-220 Mar 04 j 10:32	11°♈21'24	
	-220 Mar 19 j 23:45	0°♉	
	-220 Apr 14 j 14:54	0°♊	
	-220 May 11 j 12:08	0°♋	
evening max el	-220 Jun 04 j 06:25	24°♋17'03	45°24'57
	-220 Jun 10 j 10:03	0°♌	
desc. node	-220 Jun 24 j 00:16	11°♌18'31	
greatest brilliancy	-220 Jul 11 j 01:48	21°♌23'17	-4.5m
retrograde	-220 Jul 22 j 22:20	23°♌51'21	
evening set	-220 Aug 09 j 13:06	18°♌04'32	
inferior conj	-220 Aug 13 j 02:01	15°♌55'58	-8°-34'-30
minimum elong	-220 Aug 12 j 21:45	16°♌02'31	8°34'15
min. Earth dist.	-220 Aug 13 j 13:29	15°♌38'20	0.28189 AU
morning rise	-220 Aug 16 j 06:14	13°♌59'58	
direct	-220 Sep 03 j 10:08	7°♌50'42	
greatest brilliancy	-220 Sep 17 j 17:44	11°♌31'57	-4.6m
	-220 Oct 12 j 21:57	0°♍	
asc. node	-220 Oct 15 j 03:10	2°♍03'49	
morning max el	-220 Oct 23 j 22:36	10°♍42'02	46°45'41
	-220 Nov 10 j 23:50	0°♎	
	-220 Dec 06 j 23:56	0°♏	

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

	-219 Jan 01 j 00:03	0°♐	
	-219 Jan 25 j 15:27	0°♑	
desc. node	-219 Feb 03 j 17:07	11°♑05'06	
	-219 Feb 19 j 04:00	0°♒	
	-219 Mar 15 j 15:57	0°♓	
	-219 Apr 09 j 03:59	0°♈	
morning set	-219 Apr 28 j 11:30	23°♈38'58	
	-219 May 03 j 15:57	0°♉	
asc. node	-219 May 27 j 20:04	29°♉38'28	
	-219 May 28 j 03:05	0°♊	
max. Earth dist.	-219 Jun 02 j 03:44	6°♊10'21	1.73611 AU
superior conj	-219 Jun 03 j 21:07	8°♊17'28	0°16'35
minimum elong	-219 Jun 03 j 17:50	8°♊07'22	0°16'26
	-219 Jun 21 j 12:34	0°♋	
evening rise	-219 Jul 09 j 14:20	22°♋17'15	
	-219 Jul 15 j 20:11	0°♌	
	-219 Aug 09 j 02:45	0°♍	
	-219 Sep 02 j 09:38	0°♎	
desc. node	-219 Sep 16 j 10:02	17°♎16'43	
	-219 Sep 26 j 18:20	0°♏	
	-219 Oct 21 j 06:32	0°♐	
	-219 Nov 15 j 01:41	0°♑	
	-219 Dec 10 j 12:42	0°♒	
	-218 Jan 06 j 16:46	0°♓	
asc. node	-218 Jan 07 j 12:37	0°♓51'31	
evening max el	-218 Jan 11 j 03:35	4°♓34'05	46°42'46
	-218 Feb 09 j 21:19	0°♈	
greatest brilliancy	-218 Feb 15 j 23:28	3°♈25'37	-4.6m
retrograde	-218 Mar 02 j 09:56	7°♈10'46	
evening set	-218 Mar 19 j 14:46	1°♈25'34	
	-218 Mar 21 j 22:03	30°℞♓	
inferior conj	-218 Mar 23 j 16:47	28°♓52'13	7°11'43
minimum elong	-218 Mar 24 j 01:28	28°♓38'25	7°10'21
min. Earth dist.	-218 Mar 23 j 15:35	28°♓54'07	0.28781 AU
morning rise	-218 Mar 28 j 12:27	25°♓53'24	
direct	-218 Apr 14 j 02:14	20°♓37'25	
greatest brilliancy	-218 Apr 26 j 04:34	23°♓14'24	-4.5m
desc. node	-218 Apr 29 j 02:29	24°♓32'44	
	-218 May 08 j 09:21	0°♈	
morning max el	-218 Jun 01 j 20:58	20°♈27'44	45°45'10
	-218 Jun 11 j 13:38	0°♉	
	-218 Jul 09 j 14:35	0°♊	
	-218 Aug 04 j 18:24	0°♋	
asc. node	-218 Aug 20 j 05:39	18°♋21'11	
	-218 Aug 29 j 21:25	0°♌	
	-218 Sep 23 j 08:31	0°♍	
	-218 Oct 17 j 10:03	0°♎	
	-218 Nov 10 j 07:04	0°♏	
morning set	-218 Nov 29 j 14:43	24°♏19'08	
	-218 Dec 04 j 03:04	0°♐	
desc. node	-218 Dec 09 j 19:28	7°♐08'54	
	-218 Dec 28 j 00:00	0°♑	
superior conj	-217 Jan 10 j 14:45	17°♑03'55	-1°-6'-2
minimum elong	-217 Jan 10 j 03:13	16°♑27'49	1°05'41
max. Earth dist.	-217 Jan 14 j 16:54	22°♑11'04	1.71573 AU
	-217 Jan 20 j 22:54	0°♒	
	-217 Feb 14 j 00:35	0°♓	
evening rise	-217 Feb 20 j 01:55	7°♓31'06	
	-217 Mar 10 j 06:10	0°♈	
asc. node	-217 Apr 01 j 22:29	27°♈50'32	
	-217 Apr 03 j 16:52	0°♉	
	-217 Apr 28 j 09:52	0°♊	
	-217 May 23 j 10:51	0°♋	
	-217 Jun 17 j 23:21	0°♌	
	-217 Jul 14 j 07:41	0°♍	
desc. node	-217 Jul 22 j 12:06	9°♍00'44	
	-217 Aug 11 j 10:45	0°♎	
evening max el	-217 Aug 17 j 04:19	5°♎40'39	46°30'29
	-217 Sep 15 j 13:35	0°♏	
greatest brilliancy	-217 Sep 25 j 12:04	4°♏59'05	-4.6m
retrograde	-217 Oct 05 j 22:55	7°♏00'11	
evening set	-217 Oct 21 j 06:17	2°♏28'47	
	-217 Oct 25 j 12:33	30°℞♎	
inferior conj	-217 Oct 26 j 13:29	29°♎22'11	-4°-14'-49
minimum elong	-217 Oct 26 j 22:15	29°♎08'51	4°12'19
min. Earth dist.	-217 Oct 27 j 00:41	29°♎05'08	0.26517 AU
morning rise	-217 Nov 01 j 13:46	25°♎51'30	
asc. node	-217 Nov 12 j 14:55	21°♎57'12	
direct	-217 Nov 15 j 23:24	21°♎43'19	
greatest brilliancy	-217 Nov 28 j 16:42	24°♎43'37	-4.7m
	-217 Dec 07 j 23:58	0°♏	
morning max el	-216 Jan 05 j 13:24	24°♏56'51	46°51'16
	-216 Jan 10 j 11:29	0°♐	
	-216 Feb 06 j 21:06	0°♑	
desc. node	-216 Mar 03 j 05:11	29°♑16'21	
	-216 Mar 03 j 20:06	0°♒	
	-216 Mar 29 j 05:16	0°♓	
	-216 Apr 23 j 07:25	0°♈	
	-216 May 18 j 04:46	0°♉	
	-216 Jun 11 j 21:31	0°♊	
asc. node	-216 Jun 24 j 07:55	15°♊11'59	
morning set	-216 Jul 04 j 18:38	28°♊01'33	
	-216 Jul 06 j 09:07	0°♋	
	-216 Jul 30 j 15:31	0°♌	
max. Earth dist.	-216 Aug 06 j 10:04	8°♌24'57	1.72460 AU
superior conj	-216 Aug 10 j 07:27	13°♌15'30	1°21'55
minimum elong	-216 Aug 10 j 03:04	13°♌01'51	1°21'52
	-216 Aug 23 j 17:46	0°♍	
evening rise	-216 Sep 16 j 21:33	0°♎11'52	
	-216 Sep 16 j 17:45	0°♎	
	-216 Oct 10 j 17:17	0°♏	
desc. node	-216 Oct 13 j 21:56	3°♏59'37	
	-216 Nov 03 j 17:40	0°♐	
	-216 Nov 27 j 20:03	0°♑	
	-216 Dec 22 j 02:47	0°♒	
	-215 Jan 15 j 18:48	0°♓	
asc. node	-215 Feb 04 j 00:37	22°♓48'27	
	-215 Feb 10 j 05:28	0°♈	
	-215 Mar 09 j 07:07	0°♉	
evening max el	-215 Mar 23 j 00:30	13°♉55'14	45°32'21
	-215 Apr 10 j 04:28	0°♊	
greatest brilliancy	-215 Apr 26 j 04:46	10°♊16'38	-4.5m
retrograde	-215 May 10 j 17:32	13°♊57'52	
evening set	-215 May 25 j 17:58	9°♊37'12	
desc. node	-215 May 26 j 14:26	9°♊08'59	
inferior conj	-215 Jun 01 j 05:02	5°♊46'24	-1°-18'-23
minimum elong	-215 Jun 01 j 02:10	5°♊50'52	1°17'33
min. Earth dist.	-215 Jun 01 j 09:41	5°♊39'09	0.28969 AU
morning rise	-215 Jun 07 j 10:05	2°♊02'36	
	-215 Jun 11 j 12:18	30°℞♉	
direct	-215 Jun 22 j 21:01	27°♉27'29	
	-215 Jul 04 j 21:01	0°♊	
greatest brilliancy	-215 Jul 07 j 01:14	0°♊56'10	-4.5m
morning max el	-215 Aug 11 j 01:35	27°♊45'59	46°03'42
	-215 Aug 13 j 08:25	0°♋	
	-215 Sep 10 j 12:58	0°♌	
asc. node	-215 Sep 16 j 17:30	7°♌01'51	
	-215 Oct 06 j 08:09	0°♍	
	-215 Oct 31 j 01:48	0°♎	
	-215 Nov 24 j 07:40	0°♏	
	-215 Dec 18 j 09:11	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	-214 Jan 06 j 07:23	23°♐37'11	
	-214 Jan 11 j 10:10	0°♑	
	-214 Feb 04 j 12:18	0°♒	
morning set	-214 Feb 14 j 13:03	12°♒27'53	
	-214 Feb 28 j 16:20	0°♓	
	-214 Mar 24 j 22:42	0°♈	
superior conj	-214 Mar 25 j 08:49	0°♈31'14	-1°-10'-30
minimum elong	-214 Mar 25 j 17:56	0°♈59'19	1°10'16
max. Earth dist.	-214 Mar 27 j 18:36	3°♈29'24	1.73124 AU
	-214 Apr 18 j 07:30	0°♉	
asc. node	-214 Apr 29 j 10:15	13°♉38'56	
evening rise	-214 May 01 j 18:54	16°♉32'39	
greatest brilliancy	-214 May 02 j 06:07	17°♉07'01	-3.9m
	-214 May 12 j 18:25	0°♊	
	-214 Jun 06 j 07:12	0°♋	
	-214 Jun 30 j 22:14	0°♌	
	-214 Jul 25 j 17:02	0°♍	
desc. node	-214 Aug 19 j 00:09	29°♍05'57	
	-214 Aug 19 j 18:19	0°♎	
	-214 Sep 14 j 06:44	0°♏	
	-214 Oct 10 j 17:24	0°♐	
evening max el	-214 Oct 29 j 05:26	19°♐40'16	47°24'56
	-214 Nov 08 j 19:10	0°♑	
greatest brilliancy	-214 Dec 06 j 10:08	20°♑22'17	-4.7m
asc. node	-214 Dec 10 j 02:50	21°♑50'47	
retrograde	-214 Dec 19 j 06:20	23°♑28'25	
evening set	-213 Jan 03 j 22:33	18°♑32'06	
min. Earth dist.	-213 Jan 07 j 23:15	16°♑06'17	0.27126 AU
inferior conj	-213 Jan 09 j 00:05	15°♑27'39	6°41'50
minimum elong	-213 Jan 08 j 14:09	15°♑43'07	6°39'50
morning rise	-213 Jan 13 j 06:19	12°♑52'26	
direct	-213 Jan 29 j 12:26	7°♑40'57	
greatest brilliancy	-213 Feb 09 j 02:17	9°♑46'26	-4.6m
	-213 Mar 10 j 13:00	0°♒	
morning max el	-213 Mar 20 j 00:08	8°♒52'15	46°12'29
desc. node	-213 Mar 31 j 16:51	20°♒38'27	
	-213 Apr 09 j 13:51	0°♓	
	-213 May 06 j 16:34	0°♈	
	-213 Jun 01 j 16:40	0°♉	
	-213 Jun 27 j 01:18	0°♊	
	-213 Jul 21 j 21:58	0°♋	
asc. node	-213 Jul 22 j 19:48	1°♋06'27	
	-213 Aug 15 j 08:33	0°♌	
	-213 Sep 08 j 11:22	0°♍	
morning set	-213 Sep 13 j 08:21	6°♍05'52	
	-213 Oct 02 j 09:25	0°♎	
superior conj	-213 Oct 22 j 09:25	25°♎10'08	0°45'10
minimum elong	-213 Oct 22 j 19:20	25°♎41'19	0°44'44
max. Earth dist.	-213 Oct 22 j 00:02	24°♎40'35	1.71099 AU
	-213 Oct 26 j 05:30	0°♏	
desc. node	-213 Nov 11 j 09:45	20°♏21'55	
	-213 Nov 19 j 01:36	0°♐	
evening rise	-213 Dec 03 j 00:06	17°♐30'57	
	-213 Dec 12 j 22:53	0°♑	
	-212 Jan 05 j 22:32	0°♒	
	-212 Jan 30 j 02:30	0°♓	
	-212 Feb 23 j 13:43	0°♈	
asc. node	-212 Mar 03 j 12:34	10°♈50'55	
	-212 Mar 19 j 12:20	0°♉	
	-212 Apr 14 j 04:49	0°♊	
	-212 May 11 j 05:06	0°♋	
evening max el	-212 Jun 01 j 21:27	22°♋03'07	45°23'43
	-212 Jun 10 j 13:08	0°♌	
desc. node	-212 Jun 23 j 02:23	10°♌08'38	
greatest brilliancy	-212 Jul 08 j 14:26	19°♌05'48	-4.5m
retrograde	-212 Jul 20 j 11:53	21°♌34'52	
evening set	-212 Aug 07 j 00:39	15°♌52'16	
inferior conj	-212 Aug 10 j 16:33	13°♌39'04	-8°-29'-18
minimum elong	-212 Aug 10 j 11:32	13°♌46'48	8°28'57
min. Earth dist.	-212 Aug 11 j 03:31	13°♌22'10	0.28234 AU
morning rise	-212 Aug 13 j 22:13	11°♌40'35	
direct	-212 Sep 01 j 01:12	5°♌33'10	
greatest brilliancy	-212 Sep 15 j 08:12	9°♌12'52	-4.6m
	-212 Oct 13 j 01:03	0°♍	
asc. node	-212 Oct 14 j 05:08	1°♍06'37	
morning max el	-212 Oct 21 j 12:03	8°♍17'42	46°44'40
	-212 Nov 10 j 17:19	0°♎	
	-212 Dec 06 j 14:28	0°♏	
	-212 Dec 31 j 13:10	0°♐	
	-211 Jan 25 j 03:45	0°♑	
desc. node	-211 Feb 02 j 19:18	10°♑34'46	
	-211 Feb 18 j 15:47	0°♒	
	-211 Mar 15 j 03:21	0°♓	
	-211 Apr 08 j 15:07	0°♈	
morning set	-211 Apr 26 j 05:18	21°♈32'53	
	-211 May 03 j 02:54	0°♉	
asc. node	-211 May 26 j 22:10	29°♉11'34	
	-211 May 27 j 13:57	0°♊	
max. Earth dist.	-211 May 30 j 23:46	4°♊11'09	1.73624 AU
superior conj	-211 Jun 01 j 15:34	6°♊13'22	0°13'31
minimum elong	-211 Jun 01 j 12:52	6°♊05'05	0°13'24
behind sun begin	-211 Jun 01 j 00:55	5°♊28'20	
behind sun end	-211 Jun 02 j 00:50	6°♊41'50	
	-211 Jun 20 j 23:27	0°♋	
evening rise	-211 Jul 07 j 08:56	20°♋12'41	
	-211 Jul 15 j 07:13	0°♌	
	-211 Aug 08 j 14:02	0°♍	
	-211 Sep 01 j 21:16	0°♎	
desc. node	-211 Sep 15 j 12:02	16°♎46'13	
	-211 Sep 26 j 06:26	0°♏	
	-211 Oct 20 j 19:16	0°♐	
	-211 Nov 14 j 15:24	0°♑	
	-211 Dec 10 j 04:17	0°♒	
asc. node	-210 Jan 06 j 14:49	0°♓03'58	
	-210 Jan 06 j 13:16	0°♓	
evening max el	-210 Jan 08 j 17:53	2°♓14'11	46°45'21
	-210 Feb 11 j 07:22	0°♈	
greatest brilliancy	-210 Feb 13 j 17:20	1°♈15'08	-4.6m
retrograde	-210 Feb 28 j 01:57	4°♈59'00	
	-210 Mar 16 j 00:02	30°℞♓	
evening set	-210 Mar 17 j 09:41	29°♓10'09	
inferior conj	-210 Mar 21 j 09:07	26°♓40'40	7°22'21
minimum elong	-210 Mar 21 j 17:29	26°♓27'22	7°21'07
min. Earth dist.	-210 Mar 21 j 07:29	26°♓43'17	0.28753 AU
morning rise	-210 Mar 26 j 01:32	23°♓46'20	
direct	-210 Apr 11 j 17:32	18°♓26'21	
greatest brilliancy	-210 Apr 23 j 18:31	21°♓01'23	-4.5m
desc. node	-210 Apr 28 j 04:33	23°♓04'38	
	-210 May 09 j 03:31	0°♈	
morning max el	-210 May 30 j 11:53	18°♈15'02	45°45'17
	-210 Jun 11 j 08:44	0°♉	
	-210 Jul 09 j 05:16	0°♊	
	-210 Aug 04 j 07:18	0°♋	
asc. node	-210 Aug 19 j 07:43	17°♋50'30	
	-210 Aug 29 j 09:27	0°♌	
	-210 Sep 22 j 20:06	0°♍	
	-210 Oct 16 j 21:24	0°♎	
	-210 Nov 09 j 18:18	0°♏	
morning set	-210 Nov 27 j 00:35	21°♏43'56	
	-210 Dec 03 j 14:14	0°♐	
desc. node	-210 Dec 08 j 21:36	6°♐40'35	

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

	-210 Dec 27 j 11:06	0°♉	
superior conj	-209 Jan 08 j 01:05	14°♉31'29	-1°-3'-28
minimum elong	-209 Jan 07 j 13:22	13°♉54'46	1°03'07
max. Earth dist.	-209 Jan 11 j 23:12	19°♉26'07	1.71520 AU
	-209 Jan 20 j 09:54	0°♒	
	-209 Feb 13 j 11:31	0°♓	
evening rise	-209 Feb 17 j 14:47	5°♓08'10	
	-209 Mar 09 j 17:08	0°♈	
asc. node	-209 Apr 01 j 00:28	27°♈22'39	
	-209 Apr 03 j 04:00	0°♉	
	-209 Apr 27 j 21:23	0°♊	
	-209 May 22 j 23:03	0°♋	
	-209 Jun 17 j 12:47	0°♌	
	-209 Jul 13 j 23:34	0°♍	
desc. node	-209 Jul 21 j 14:16	8°♍20'16	
	-209 Aug 11 j 08:44	0°♎	
evening max el	-209 Aug 14 j 16:23	3°♎15'32	46°27'46
	-209 Sep 17 j 09:06	0°♏	
greatest brilliancy	-209 Sep 23 j 00:37	2°♏31'28	-4.6m
retrograde	-209 Oct 03 j 10:41	4°♏32'04	
evening set	-209 Oct 18 j 21:08	29°♎56'10	
	-209 Oct 18 j 18:20	30°℞♎	
inferior conj	-209 Oct 24 j 01:34	26°♎53'46	-4°-36'00
minimum elong	-209 Oct 24 j 10:52	26°♎39'40	4°33'25
min. Earth dist.	-209 Oct 24 j 14:11	26°♎34'38	0.26558 AU
morning rise	-209 Oct 30 j 00:05	23°♎25'40	
asc. node	-209 Nov 11 j 17:02	19°♎17'48	
direct	-209 Nov 13 j 11:53	19°♎13'52	
greatest brilliancy	-209 Nov 26 j 08:30	22°♎18'13	-4.7m
	-209 Dec 09 j 01:01	0°♏	
morning max el	-208 Jan 03 j 03:24	22°♏32'20	46°52'11
	-208 Jan 10 j 08:29	0°♐	
	-208 Feb 06 j 12:53	0°♑	
desc. node	-208 Mar 02 j 07:07	28°♑42'06	
	-208 Mar 03 j 09:39	0°♒	
	-208 Mar 28 j 17:36	0°♓	
	-208 Apr 22 j 18:59	0°♈	
	-208 May 17 j 15:53	0°♉	
	-208 Jun 11 j 08:23	0°♊	
asc. node	-208 Jun 23 j 10:04	14°♊45'35	
morning set	-208 Jul 02 j 12:38	25°♊56'13	
	-208 Jul 05 j 19:53	0°♋	
	-208 Jul 30 j 02:16	0°♌	
max. Earth dist.	-208 Aug 04 j 04:28	6°♌19'27	1.72516 AU
superior conj	-208 Aug 08 j 00:29	11°♌05'34	1°21'02
minimum elong	-208 Aug 07 j 19:29	10°♌50'02	1°20'58
	-208 Aug 23 j 04:35	0°♍	
evening rise	-208 Sep 14 j 11:22	27°♍50'43	
	-208 Sep 16 j 04:43	0°♎	
	-208 Oct 10 j 04:27	0°♏	
desc. node	-208 Oct 12 j 23:57	3°♏30'58	
	-208 Nov 03 j 05:03	0°♐	
	-208 Nov 27 j 07:43	0°♑	
	-208 Dec 21 j 14:52	0°♒	
	-207 Jan 15 j 07:36	0°♓	
asc. node	-207 Feb 03 j 02:39	22°♓14'08	
	-207 Feb 09 j 19:45	0°♈	
	-207 Mar 09 j 01:06	0°♉	
evening max el	-207 Mar 20 j 16:54	11°♉46'07	45°34'14
	-207 Apr 10 j 16:13	0°♊	
greatest brilliancy	-207 Apr 23 j 19:44	8°♊07'30	-4.5m
retrograde	-207 May 08 j 10:39	11°♊50'46	
evening set	-207 May 23 j 10:46	7°♊29'31	
desc. node	-207 May 25 j 16:31	6°♊13'17	
inferior conj	-207 May 29 j 21:34	3°♊38'43	0°-58'-55
minimum elong	-207 May 29 j 19:24	3°♊42'06	0°58'19
min. Earth dist.	-207 May 30 j 01:58	3°♊31'51	0.28979 AU
	-207 Jun 04 j 23:05	30°℞♉	
morning rise	-207 Jun 05 j 03:52	29°♉53'23	
direct	-207 Jun 20 j 14:02	25°♉19'41	
greatest brilliancy	-207 Jul 04 j 16:51	28°♉47'28	-4.5m
	-207 Jul 07 j 04:12	0°♊	
morning max el	-207 Aug 08 j 18:30	25°♊37'43	46°02'17
	-207 Aug 13 j 05:07	0°♋	
	-207 Sep 10 j 04:10	0°♌	
asc. node	-207 Sep 15 j 19:29	6°♌25'35	
	-207 Oct 05 j 21:23	0°♍	
	-207 Oct 30 j 14:08	0°♎	
	-207 Nov 23 j 19:29	0°♏	
	-207 Dec 17 j 20:39	0°♐	
desc. node	-206 Jan 05 j 09:30	23°♐08'43	
	-206 Jan 10 j 21:22	0°♑	
	-206 Feb 03 j 23:17	0°♒	
morning set	-206 Feb 12 j 01:23	10°♒03'10	
	-206 Feb 28 j 03:10	0°♓	
superior conj	-206 Mar 23 j 00:27	28°♓18'15	-1°-12'-21
minimum elong	-206 Mar 23 j 09:19	28°♓45'37	1°12'09
	-206 Mar 24 j 09:26	0°♈	
max. Earth dist.	-206 Mar 25 j 13:52	1°♈27'45	1.73078 AU
	-206 Apr 17 j 18:10	0°♉	
asc. node	-206 Apr 28 j 12:26	13°♉12'54	
evening rise	-206 Apr 29 j 12:55	14°♉27'59	
greatest brilliancy	-206 May 03 j 17:42	19°♉36'55	-3.9m
	-206 May 12 j 05:08	0°♊	
	-206 Jun 05 j 18:07	0°♋	
	-206 Jun 30 j 09:33	0°♌	
	-206 Jul 25 j 05:01	0°♍	
desc. node	-206 Aug 18 j 02:05	28°♍33'10	
	-206 Aug 19 j 07:20	0°♎	
	-206 Sep 13 j 21:27	0°♏	
	-206 Oct 10 j 11:31	0°♐	
evening max el	-206 Oct 26 j 21:13	17°♐20'50	47°24'31
	-206 Nov 09 j 00:04	0°♑	
greatest brilliancy	-206 Dec 04 j 01:50	17°♑58'48	-4.7m
asc. node	-206 Dec 09 j 05:00	19°♑53'41	
retrograde	-206 Dec 16 j 20:40	21°♑02'33	
evening set	-205 Jan 01 j 08:50	16°♑11'55	
min. Earth dist.	-205 Jan 05 j 12:34	13°♑41'41	0.27057 AU
inferior conj	-205 Jan 06 j 13:29	13°♑02'56	6°26'58
minimum elong	-205 Jan 06 j 03:26	13°♑18'34	6°24'50
morning rise	-205 Jan 10 j 22:40	10°♑23'37	
direct	-205 Jan 27 j 01:48	5°♑17'37	
greatest brilliancy	-205 Feb 06 j 14:19	7°♑22'09	-4.6m
	-205 Mar 10 j 16:12	0°♒	
morning max el	-205 Mar 17 j 14:12	6°♒33'54	46°13'53
desc. node	-205 Mar 30 j 18:55	19°♒54'26	
	-205 Apr 09 j 06:58	0°♓	
	-205 May 06 j 06:28	0°♈	
	-205 Jun 01 j 05:03	0°♉	
	-205 Jun 26 j 12:50	0°♊	
	-205 Jul 21 j 09:02	0°♋	
asc. node	-205 Jul 21 j 21:54	0°♋39'10	
	-205 Aug 14 j 19:24	0°♌	
	-205 Sep 07 j 22:11	0°♍	
morning set	-205 Sep 10 j 23:09	3°♍48'11	
	-205 Oct 01 j 20:16	0°♎	
max. Earth dist.	-205 Oct 19 j 03:19	21°♎45'34	1.71125 AU
superior conj	-205 Oct 19 j 20:55	22°♎40'57	0°48'21
minimum elong	-205 Oct 20 j 07:09	23°♎13'08	0°47'56
	-205 Oct 25 j 16:26	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	-205 Nov 10 j 11:56	19°♏54'15	
	-205 Nov 18 j 12:36	0°♐	
evening rise	-205 Nov 30 j 09:28	14°♐54'55	
	-205 Dec 12 j 09:57	0°♑	
	-204 Jan 05 j 09:43	0°♒	
	-204 Jan 29 j 13:50	0°♓	
	-204 Feb 23 j 01:23	0°♈	
asc. node	-204 Mar 02 j 14:35	10°♈21'14	
	-204 Mar 19 j 00:39	0°♉	
	-204 Apr 13 j 18:31	0°♊	
	-204 May 10 j 21:58	0°♋	
evening max el	-204 May 30 j 11:59	19°♋49'18	45°22'41
	-204 Jun 10 j 17:16	0°♌	
desc. node	-204 Jun 22 j 04:32	8°♌58'31	
greatest brilliancy	-204 Jul 06 j 03:13	16°♌50'28	-4.5m
retrograde	-204 Jul 18 j 01:39	19°♌21'06	
evening set	-204 Aug 04 j 12:20	13°♌42'46	
inferior conj	-204 Aug 08 j 07:29	11°♌24'47	-8°-23'-13
minimum elong	-204 Aug 08 j 01:45	11°♌33'37	8°22'45
min. Earth dist.	-204 Aug 08 j 18:07	11°♌08'22	0.28280 AU
morning rise	-204 Aug 11 j 14:56	9°♌23'27	
direct	-204 Aug 29 j 16:13	3°♌18'06	
greatest brilliancy	-204 Sep 12 j 23:51	6°♌57'24	-4.6m
asc. node	-204 Oct 13 j 07:20	0°♍12'30	
	-204 Oct 13 j 02:10	0°♍	
morning max el	-204 Oct 19 j 01:18	5°♍54'07	46°43'22
	-204 Nov 10 j 10:09	0°♎	
	-204 Dec 06 j 04:39	0°♏	
	-204 Dec 31 j 02:05	0°♐	
	-203 Jan 24 j 15:54	0°♑	
desc. node	-203 Feb 01 j 21:18	10°♑04'23	
	-203 Feb 18 j 03:23	0°♒	
	-203 Mar 14 j 14:34	0°♓	
	-203 Apr 08 j 02:01	0°♈	
morning set	-203 Apr 23 j 22:59	19°♈27'05	
	-203 May 02 j 13:37	0°♉	
asc. node	-203 May 26 j 00:19	28°♉45'32	
	-203 May 27 j 00:35	0°♊	
max. Earth dist.	-203 May 28 j 19:31	2°♊11'48	1.73635 AU
superior conj	-203 May 30 j 10:11	4°♊10'32	0°10'27
minimum elong	-203 May 30 j 08:06	4°♊04'06	0°10'21
behind sun begin	-203 May 29 j 15:03	3°♊11'44	
behind sun end	-203 May 31 j 01:09	4°♊56'29	
	-203 Jun 20 j 10:07	0°♋	
evening rise	-203 Jul 05 j 03:56	18°♋10'10	
	-203 Jul 14 j 18:01	0°♌	
	-203 Aug 08 j 01:03	0°♍	
	-203 Sep 01 j 08:38	0°♎	
desc. node	-203 Sep 14 j 14:08	16°♎16'55	
	-203 Sep 25 j 18:17	0°♏	
	-203 Oct 20 j 07:51	0°♐	
	-203 Nov 14 j 05:05	0°♑	
	-203 Dec 09 j 20:03	0°♒	
asc. node	-202 Jan 05 j 16:50	29°♒15'04	
	-202 Jan 06 j 10:32	0°♓	
evening max el	-202 Jan 06 j 07:50	29°♒53'09	46°47'50
greatest brilliancy	-202 Feb 11 j 10:18	29°♓02'45	-4.6m
	-202 Feb 13 j 12:12	0°♈	
retrograde	-202 Feb 25 j 17:53	2°♈46'30	
	-202 Mar 09 j 10:50	30°℞♓	
evening set	-202 Mar 15 j 04:14	26°♓53'53	
inferior conj	-202 Mar 19 j 01:13	24°♓28'20	7°32'23
minimum elong	-202 Mar 19 j 09:11	24°♓15'39	7°31'18
min. Earth dist.	-202 Mar 18 j 23:07	24°♓31'41	0.28722 AU
morning rise	-202 Mar 23 j 14:20	21°♓38'48	
direct	-202 Apr 09 j 08:27	16°♓14'23	
greatest brilliancy	-202 Apr 21 j 09:02	18°♓48'42	-4.5m
desc. node	-202 Apr 27 j 06:43	21°♓39'24	
	-202 May 09 j 17:04	0°♈	
morning max el	-202 May 28 j 03:07	16°♈03'16	45°45'36
	-202 Jun 11 j 03:12	0°♉	
	-202 Jul 08 j 19:37	0°♊	
	-202 Aug 03 j 19:59	0°♋	
asc. node	-202 Aug 18 j 09:40	17°♋20'02	
	-202 Aug 28 j 21:17	0°♌	
	-202 Sep 22 j 07:30	0°♍	
	-202 Oct 16 j 08:35	0°♎	
	-202 Nov 09 j 05:22	0°♏	
morning set	-202 Nov 24 j 10:53	19°♏10'26	
	-202 Dec 03 j 01:16	0°♐	
desc. node	-202 Dec 07 j 23:42	6°♐12'30	
	-202 Dec 26 j 22:08	0°♑	
superior conj	-201 Jan 05 j 11:13	11°♑58'26	-1°00'-46
minimum elong	-201 Jan 04 j 23:25	11°♑21'26	1°00'23
max. Earth dist.	-201 Jan 09 j 04:04	16°♑36'40	1.71479 AU
	-201 Jan 19 j 20:54	0°♒	
	-201 Feb 12 j 22:30	0°♓	
evening rise	-201 Feb 15 j 03:12	2°♓43'36	
	-201 Mar 09 j 04:10	0°♈	
asc. node	-201 Mar 31 j 02:37	26°♈55'03	
	-201 Apr 02 j 15:13	0°♉	
	-201 Apr 27 j 08:58	0°♊	
	-201 May 22 j 11:19	0°♋	
	-201 Jun 17 j 02:20	0°♌	
	-201 Jul 13 j 15:40	0°♍	
desc. node	-201 Jul 20 j 16:14	7°♍38'57	
	-201 Aug 11 j 07:31	0°♎	
evening max el	-201 Aug 12 j 05:36	0°♎53'43	46°25'10
	-201 Sep 20 j 07:59	0°♏	
greatest brilliancy	-201 Sep 20 j 12:23	0°♏04'05	-4.6m
retrograde	-201 Sep 30 j 23:12	2°♏05'09	
	-201 Oct 11 j 03:43	30°℞♎	
evening set	-201 Oct 16 j 12:21	27°♎24'41	
inferior conj	-201 Oct 21 j 13:53	24°♎26'24	-4°-56'-20
minimum elong	-201 Oct 21 j 23:38	24°♎11'38	4°53'43
min. Earth dist.	-201 Oct 22 j 03:25	24°♎05'55	0.26601 AU
morning rise	-201 Oct 27 j 10:27	21°♎01'19	
asc. node	-201 Nov 10 j 19:07	16°♎45'49	
direct	-201 Nov 11 j 01:09	16°♎45'44	
greatest brilliancy	-201 Nov 23 j 23:40	19°♎52'59	-4.7m
	-201 Dec 09 j 19:12	0°♏	
morning max el	-201 Dec 31 j 18:01	20°♏09'48	46°52'50
	-200 Jan 10 j 04:42	0°♐	
	-200 Feb 06 j 04:27	0°♑	
desc. node	-200 Mar 01 j 09:12	28°♑08'12	
	-200 Mar 02 j 23:12	0°♒	
	-200 Mar 28 j 06:01	0°♓	
	-200 Apr 22 j 06:43	0°♈	
	-200 May 17 j 03:10	0°♉	
	-200 Jun 10 j 19:23	0°♊	
asc. node	-200 Jun 22 j 12:05	14°♊18'20	
morning set	-200 Jun 30 j 06:34	23°♊50'25	
	-200 Jul 05 j 06:44	0°♋	
	-200 Jul 29 j 13:06	0°♌	
max. Earth dist.	-200 Aug 01 j 22:21	4°♌12'10	1.72569 AU
superior conj	-200 Aug 05 j 17:34	8°♌55'37	1°20'02
minimum elong	-200 Aug 05 j 12:01	8°♌38'23	1°19'58
	-200 Aug 22 j 15:31	0°♍	
evening rise	-200 Sep 12 j 01:28	25°♍30'05	
	-200 Sep 15 j 15:49	0°♎	
	-200 Oct 09 j 15:45	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	-200 Oct 12 j 02:08	3°♏02'23		
	-200 Nov 02 j 16:34	0°♐		
	-200 Nov 26 j 19:31	0°♑		
	-200 Dec 21 j 03:05	0°♒		
	-199 Jan 14 j 20:36	0°♓		
asc. node	-199 Feb 02 j 04:40	21°♓39'09		
	-199 Feb 09 j 10:21	0°♈		
	-199 Mar 08 j 19:51	0°♉		
evening max el	-199 Mar 18 j 09:38	9°♉36'51	45°35'54	
	-199 Apr 11 j 08:45	0°♊		
greatest brilliancy	-199 Apr 21 j 11:59	5°♊58'44	-4.5m	
retrograde	-199 May 06 j 03:22	9°♊42'02		
evening set	-199 May 21 j 03:37	5°♊20'21		
desc. node	-199 May 24 j 18:36	3°♊13'58		
inferior conj	-199 May 27 j 13:56	1°♊29'39	0°-39'-20	
minimum elong	-199 May 27 j 12:29	1°♊31'54	0°38'55	
min. Earth dist.	-199 May 27 j 18:12	1°♊22'59	0.28985 AU	
	-199 May 29 j 23:40	30°℞♉		
morning rise	-199 Jun 02 j 21:19	27°♉42'47		
direct	-199 Jun 18 j 07:00	23°♉10'40		
greatest brilliancy	-199 Jul 02 j 07:22	26°♉36'11	-4.5m	
	-199 Jul 08 j 16:28	0°♊		
morning max el	-199 Aug 06 j 10:31	23°♊26'35	46°00'58	
	-199 Aug 13 j 01:27	0°♋		
	-199 Sep 09 j 19:23	0°♌		
asc. node	-199 Sep 14 j 21:42	5°♌49'42		
	-199 Oct 05 j 10:43	0°♍		
	-199 Oct 30 j 02:34	0°♎		
	-199 Nov 23 j 07:26	0°♏		
	-199 Dec 17 j 08:17	0°♐		
desc. node	-198 Jan 04 j 11:29	22°♐39'14		
	-198 Jan 10 j 08:44	0°♑		
	-198 Feb 03 j 10:27	0°♒		
morning set	-198 Feb 09 j 13:56	7°♒38'28		
	-198 Feb 27 j 14:12	0°♓		
superior conj	-198 Mar 20 j 16:05	26°♓04'30	-1°-14'-6	
minimum elong	-198 Mar 21 j 00:38	26°♓30'56	1°13'55	
max. Earth dist.	-198 Mar 23 j 10:46	29°♓30'22	1.73036 AU	
	-198 Mar 23 j 20:22	0°♈		
	-198 Apr 17 j 05:07	0°♉		
evening rise	-198 Apr 27 j 06:42	12°♉21'39		
asc. node	-198 Apr 27 j 14:32	12°♉45'40		
greatest brilliancy	-198 May 06 j 12:42	23°♉42'01	-3.9m	
	-198 May 11 j 16:11	0°♊		
	-198 Jun 05 j 05:23	0°♋		
	-198 Jun 29 j 21:14	0°♌		
	-198 Jul 24 j 17:22	0°♍		
desc. node	-198 Aug 17 j 04:11	27°♍59'52		
	-198 Aug 18 j 20:45	0°♎		
	-198 Sep 13 j 12:39	0°♏		
	-198 Oct 10 j 06:22	0°♐		
evening max el	-198 Oct 24 j 12:14	14°♐58'31	47°23'54	
	-198 Nov 09 j 07:26	0°♑		
greatest brilliancy	-198 Dec 01 j 18:21	15°♑35'13	-4.7m	
asc. node	-198 Dec 08 j 07:03	17°♑50'43		
retrograde	-198 Dec 14 j 10:24	18°♑35'21		
evening set	-198 Dec 29 j 19:10	13°♑50'26		
min. Earth dist.	-197 Jan 03 j 02:16	11°♑15'20	0.26989 AU	
inferior conj	-197 Jan 04 j 02:47	10°♑37'11	6°11'17	
minimum elong	-197 Jan 03 j 16:43	10°♑52'52	6°09'02	
morning rise	-197 Jan 08 j 14:55	7°♑53'33		
direct	-197 Jan 24 j 14:43	2°♑53'08		
greatest brilliancy	-197 Feb 04 j 03:07	4°♑57'26	-4.6m	
	-197 Mar 10 j 18:14	0°♒		
morning max el	-197 Mar 15 j 03:08	4°♒11'45	46°15'20	
desc. node	-197 Mar 29 j 21:06	19°♒10'34		
	-197 Apr 09 j 00:00	0°♓		
	-197 May 05 j 20:32	0°♈		
	-197 May 31 j 17:42	0°♉		
	-197 Jun 26 j 00:43	0°♊		
asc. node	-197 Jul 20 j 23:54	0°♋10'23		
	-197 Jul 20 j 20:29	0°♋		
	-197 Aug 14 j 06:38	0°♌		
	-197 Sep 07 j 09:20	0°♍		
morning set	-197 Sep 08 j 13:47	1°♍28'56		
	-197 Oct 01 j 07:26	0°♎		
max. Earth dist.	-197 Oct 16 j 07:12	18°♎51'33	1.71153 AU	
superior conj	-197 Oct 17 j 08:29	20°♎11'07	0°51'26	
minimum elong	-197 Oct 17 j 18:58	20°♎44'04	0°51'01	
	-197 Oct 25 j 03:39	0°♏		
desc. node	-197 Nov 09 j 13:57	19°♏25'07		
	-197 Nov 17 j 23:53	0°♐		
evening rise	-197 Nov 27 j 18:53	12°♐18'08		
	-197 Dec 11 j 21:21	0°♑		
	-196 Jan 04 j 21:13	0°♒		
	-196 Jan 29 j 01:30	0°♓		
	-196 Feb 22 j 13:22	0°♈		
asc. node	-196 Mar 01 j 16:47	9°♈51'06		
	-196 Mar 18 j 13:20	0°♉		
	-196 Apr 13 j 08:39	0°♊		
	-196 May 10 j 15:36	0°♋		
evening max el	-196 May 28 j 01:40	17°♋32'22	45°21'33	
	-196 Jun 11 j 00:03	0°♌		
desc. node	-196 Jun 21 j 06:29	7°♌44'34		
greatest brilliancy	-196 Jul 03 j 15:02	14°♌32'28	-4.5m	
retrograde	-196 Jul 15 j 15:35	17°♌05'47		
evening set	-196 Aug 01 j 23:36	11°♌31'40		
inferior conj	-196 Aug 05 j 22:14	9°♌08'45	-8°-16'-18	
minimum elong	-196 Aug 05 j 15:48	9°♌18'39	8°15'43	
min. Earth dist.	-196 Aug 06 j 08:35	8°♌52'47	0.28328 AU	
morning rise	-196 Aug 09 j 07:44	7°♌04'21		
direct	-196 Aug 27 j 06:58	1°♌01'08		
greatest brilliancy	-196 Sep 10 j 16:35	4°♌41'56	-4.6m	
asc. node	-196 Oct 12 j 09:24	29°♌17'48		
	-196 Oct 13 j 02:37	0°♍		
morning max el	-196 Oct 16 j 14:50	3°♍30'08	46°42'15	
	-196 Nov 10 j 03:03	0°♎		
	-196 Dec 05 j 19:00	0°♏		
	-196 Dec 30 j 15:11	0°♐		
	-195 Jan 24 j 04:16	0°♑		
desc. node	-195 Jan 31 j 23:21	9°♑33'21		
	-195 Feb 17 j 15:16	0°♒		
	-195 Mar 14 j 02:03	0°♓		
	-195 Apr 07 j 13:12	0°♈		
morning set	-195 Apr 21 j 16:41	17°♈20'22		
	-195 May 02 j 00:36	0°♉		
asc. node	-195 May 25 j 02:19	28°♉18'10		
	-195 May 26 j 11:29	0°♊		
max. Earth dist.	-195 May 26 j 16:36	0°♊15'40	1.73646 AU	
superior conj	-195 May 28 j 04:52	2°♊07'01	0°07'22	
minimum elong	-195 May 28 j 03:22	2°♊02'26	0°07'18	
behind sun begin	-195 May 27 j 07:22	1°♊01'00		
behind sun end	-195 May 28 j 23:23	3°♊03'52		
	-195 Jun 19 j 21:04	0°♋		
evening rise	-195 Jul 02 j 23:00	16°♋06'58		
	-195 Jul 14 j 05:08	0°♌		
	-195 Aug 07 j 12:27	0°♍		
	-195 Aug 31 j 20:24	0°♎		
desc. node	-195 Sep 13 j 16:15	15°♎46'25		
	-195 Sep 25 j 06:34	0°♏		
	-195 Oct 19 j 20:51	0°♐		

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

	-195 Nov 13 j 19:12	0°♉	
	-195 Dec 09 j 12:21	0°♒	
evening max el	-194 Jan 03 j 22:00	27°♒31'51	46°50'23
asc. node	-194 Jan 04 j 18:52	28°♒24'37	
	-194 Jan 06 j 08:55	0°♓	
greatest brilliancy	-194 Feb 09 j 02:28	26°♓48'21	-4.6m
	-194 Feb 18 j 03:13	0°♈	
retrograde	-194 Feb 23 j 10:11	0°♈33'04	
	-194 Feb 28 j 14:23	30°℞♓	
evening set	-194 Mar 12 j 22:38	24°♓36'31	
inferior conj	-194 Mar 16 j 17:14	22°♓14'49	7°41'51
minimum elong	-194 Mar 17 j 00:46	22°♓02'50	7°40'54
min. Earth dist.	-194 Mar 16 j 14:20	22°♓19'25	0.28690 AU
morning rise	-194 Mar 21 j 03:06	19°♓30'21	
direct	-194 Apr 06 j 23:30	14°♓01'15	
greatest brilliancy	-194 Apr 18 j 23:36	16°♓35'16	-4.5m
desc. node	-194 Apr 26 j 08:42	20°♓15'54	
	-194 May 10 j 03:31	0°♈	
morning max el	-194 May 25 j 19:08	13°♈52'43	45°46'03
	-194 Jun 10 j 21:27	0°♉	
	-194 Jul 08 j 10:03	0°♊	
	-194 Aug 03 j 08:49	0°♋	
asc. node	-194 Aug 17 j 11:54	16°♋49'47	
	-194 Aug 28 j 09:21	0°♌	
	-194 Sep 21 j 19:10	0°♍	
	-194 Oct 15 j 20:03	0°♎	
	-194 Nov 08 j 16:45	0°♏	
morning set	-194 Nov 21 j 20:59	16°♏35'25	
	-194 Dec 02 j 12:35	0°♐	
desc. node	-194 Dec 07 j 01:42	5°♐43'18	
	-194 Dec 26 j 09:22	0°♑	
superior conj	-193 Jan 02 j 21:00	9°♑23'27	0°-57'-55
minimum elong	-193 Jan 02 j 09:12	8°♑46'28	0°57'30
max. Earth dist.	-193 Jan 06 j 11:10	13°♑53'29	1.71436 AU
	-193 Jan 19 j 08:05	0°♒	
	-193 Feb 12 j 09:40	0°♓	
evening rise	-193 Feb 12 j 15:31	0°♓18'11	
	-193 Mar 08 j 15:23	0°♈	
asc. node	-193 Mar 30 j 04:42	26°♈26'40	
	-193 Apr 02 j 02:37	0°♉	
	-193 Apr 26 j 20:45	0°♊	
	-193 May 21 j 23:48	0°♋	
	-193 Jun 16 j 16:08	0°♌	
	-193 Jul 13 j 08:10	0°♍	
desc. node	-193 Jul 19 j 18:20	6°♍57'11	
evening max el	-193 Aug 09 j 19:19	28°♍32'52	46°22'22
	-193 Aug 11 j 07:30	0°♎	
greatest brilliancy	-193 Sep 17 j 23:33	27°♎35'24	-4.6m
retrograde	-193 Sep 28 j 11:33	29°♎36'53	
evening set	-193 Oct 14 j 03:29	24°♎51'58	
inferior conj	-193 Oct 19 j 01:58	21°♎57'41	-5°-16'-12
minimum elong	-193 Oct 19 j 12:05	21°♎42'23	5°13'35
min. Earth dist.	-193 Oct 19 j 16:07	21°♎36'16	0.26649 AU
morning rise	-193 Oct 24 j 20:17	18°♎35'51	
direct	-193 Nov 08 j 14:31	14°♎16'25	
asc. node	-193 Nov 09 j 21:09	14°♎18'25	
greatest brilliancy	-193 Nov 21 j 13:55	17°♎25'20	-4.7m
	-193 Dec 10 j 09:18	0°♏	
morning max el	-193 Dec 29 j 08:24	17°♏45'42	46°53'29
	-192 Jan 10 j 00:36	0°♐	
	-192 Feb 05 j 19:59	0°♑	
desc. node	-192 Feb 29 j 11:24	27°♑34'32	
	-192 Mar 02 j 12:44	0°♒	
	-192 Mar 27 j 18:27	0°♓	
	-192 Apr 21 j 18:28	0°♈	
	-192 May 16 j 14:29	0°♉	
	-192 Jun 10 j 06:26	0°♊	
asc. node	-192 Jun 21 j 14:10	13°♊51'13	
morning set	-192 Jun 28 j 00:45	21°♊45'23	
	-192 Jul 04 j 17:37	0°♋	
	-192 Jul 28 j 23:57	0°♌	
max. Earth dist.	-192 Jul 30 j 15:12	2°♌01'48	1.72620 AU
superior conj	-192 Aug 03 j 10:59	6°♌46'48	1°18'56
minimum elong	-192 Aug 03 j 04:57	6°♌28'02	1°18'50
	-192 Aug 22 j 02:27	0°♍	
evening rise	-192 Sep 09 j 15:52	23°♍10'30	
	-192 Sep 15 j 02:55	0°♎	
	-192 Oct 09 j 03:05	0°♏	
desc. node	-192 Oct 11 j 04:08	2°♏33'10	
	-192 Nov 02 j 04:10	0°♐	
	-192 Nov 26 j 07:25	0°♑	
	-192 Dec 20 j 15:26	0°♒	
	-191 Jan 14 j 09:45	0°♓	
asc. node	-191 Feb 01 j 06:51	21°♓04'18	
	-191 Feb 09 j 01:10	0°♈	
	-191 Mar 08 j 15:06	0°♉	
evening max el	-191 Mar 16 j 01:55	7°♉26'27	45°37'45
	-191 Apr 12 j 06:57	0°♊	
greatest brilliancy	-191 Apr 19 j 05:08	3°♊51'21	-4.5m
retrograde	-191 May 03 j 19:43	7°♊33'42	
evening set	-191 May 18 j 20:43	3°♊11'30	
desc. node	-191 May 23 j 20:38	0°♊13'57	
	-191 May 24 j 05:35	30°℞♉	
inferior conj	-191 May 25 j 06:25	29°♉21'08	0°-19'-44
minimum elong	-191 May 25 j 05:42	29°♉22'16	0°19'31
min. Earth dist.	-191 May 25 j 10:44	29°♉14'23	0.28988 AU
morning rise	-191 May 31 j 14:40	25°♉32'44	
direct	-191 Jun 15 j 23:51	21°♉02'15	
greatest brilliancy	-191 Jun 29 j 21:32	24°♉24'46	-4.5m
	-191 Jul 09 j 17:54	0°♊	
morning max el	-191 Aug 04 j 01:47	21°♊14'04	45°59'45
	-191 Aug 12 j 21:00	0°♋	
	-191 Sep 09 j 10:14	0°♌	
asc. node	-191 Sep 13 j 23:43	5°♌14'00	
	-191 Oct 04 j 23:48	0°♍	
	-191 Oct 29 j 14:50	0°♎	
	-191 Nov 22 j 19:14	0°♏	
	-191 Dec 16 j 19:48	0°♐	
desc. node	-190 Jan 03 j 13:37	22°♐10'28	
	-190 Jan 09 j 20:02	0°♑	
	-190 Feb 02 j 21:34	0°♒	
morning set	-190 Feb 07 j 01:53	5°♒12'00	
	-190 Feb 27 j 01:09	0°♓	
superior conj	-190 Mar 18 j 07:14	23°♓49'37	-1°-15'-45
minimum elong	-190 Mar 18 j 15:24	24°♓14'50	1°15'35
max. Earth dist.	-190 Mar 21 j 07:06	27°♓31'31	1.72986 AU
	-190 Mar 23 j 07:13	0°♈	
	-190 Apr 16 j 15:54	0°♉	
evening rise	-190 Apr 25 j 00:09	10°♉14'46	
asc. node	-190 Apr 26 j 16:29	12°♉18'30	
	-190 May 11 j 03:03	0°♊	
	-190 Jun 04 j 16:29	0°♋	
	-190 Jun 29 j 08:46	0°♌	
	-190 Jul 24 j 05:35	0°♍	
desc. node	-190 Aug 16 j 06:20	27°♍27'15	
	-190 Aug 18 j 10:01	0°♎	
	-190 Sep 13 j 03:45	0°♏	
	-190 Oct 10 j 01:22	0°♐	
evening max el	-190 Oct 22 j 02:07	12°♐34'16	47°23'06
	-190 Nov 09 j 16:59	0°♑	
greatest brilliancy	-190 Nov 29 j 10:55	13°♑12'16	-4.7m

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

asc. node	-190 Dec 07 j 09:04	15°♑43'24	
retrograde	-190 Dec 11 j 23:28	16°♑08'43	
evening set	-190 Dec 27 j 05:32	11°♑29'07	
min. Earth dist.	-190 Dec 31 j 16:18	8°♑48'57	0.26928 AU
inferior conj	-189 Jan 01 j 16:04	8°♑11'59	5°54'45
minimum elong	-189 Jan 01 j 06:02	8°♑27'35	5°52'24
morning rise	-189 Jan 06 j 07:09	5°♑24'01	
direct	-189 Jan 22 j 03:12	0°♑28'56	
greatest brilliancy	-189 Feb 01 j 17:08	2°♑34'19	-4.6m
	-189 Mar 10 j 18:48	0°♒	
morning max el	-189 Mar 12 j 15:29	1°♒48'21	46°16'49
desc. node	-189 Mar 28 j 23:04	18°♒27'12	
	-189 Apr 08 j 16:33	0°♓	
	-189 May 05 j 10:16	0°♈	
	-189 May 31 j 06:02	0°♉	
	-189 Jun 25 j 12:15	0°♊	
asc. node	-189 Jul 20 j 02:03	29°♊43'04	
	-189 Jul 20 j 07:36	0°♋	
	-189 Aug 13 j 17:34	0°♌	
morning set	-189 Sep 06 j 04:42	29°♌11'33	
	-189 Sep 06 j 20:12	0°♍	
	-189 Sep 30 j 18:18	0°♎	
max. Earth dist.	-189 Oct 13 j 13:57	16°♎07'31	1.71181 AU
superior conj	-189 Oct 14 j 20:32	17°♎43'46	0°54'23
minimum elong	-189 Oct 15 j 07:12	18°♎17'18	0°53'59
	-189 Oct 24 j 14:33	0°♏	
desc. node	-189 Nov 08 j 15:59	18°♏57'04	
	-189 Nov 17 j 10:51	0°♐	
evening rise	-189 Nov 25 j 04:46	9°♐43'57	
	-189 Dec 11 j 08:23	0°♑	
	-188 Jan 04 j 08:22	0°♒	
	-188 Jan 28 j 12:51	0°♓	
	-188 Feb 22 j 01:05	0°♈	
asc. node	-188 Feb 29 j 18:47	9°♈21'14	
	-188 Mar 18 j 01:47	0°♉	
	-188 Apr 12 j 22:38	0°♊	
	-188 May 10 j 09:17	0°♋	
evening max el	-188 May 25 j 15:42	15°♋17'30	45°20'46
	-188 Jun 11 j 08:46	0°♌	
desc. node	-188 Jun 20 j 08:37	6°♌30'07	
greatest brilliancy	-188 Jul 01 j 01:57	12°♌15'02	-4.5m
retrograde	-188 Jul 13 j 06:15	14°♌52'25	
evening set	-188 Jul 30 j 11:00	9°♌22'20	
inferior conj	-188 Aug 03 j 13:09	6°♌54'26	-8°-8'-44
minimum elong	-188 Aug 03 j 06:06	7°♌05'17	8°07'59
min. Earth dist.	-188 Aug 03 j 22:56	6°♌39'22	0.28375 AU
morning rise	-188 Aug 07 j 00:56	4°♌46'47	
	-188 Aug 17 j 01:41	30°℞♋	
direct	-188 Aug 24 j 22:06	28°♋45'52	
	-188 Sep 02 j 01:26	0°♌	
greatest brilliancy	-188 Sep 08 j 10:04	2°♌29'08	-4.6m
asc. node	-188 Oct 11 j 11:24	28°♌25'15	
	-188 Oct 13 j 01:30	0°♍	
morning max el	-188 Oct 14 j 05:32	1°♍10'28	46°41'07
	-188 Nov 09 j 19:13	0°♎	
	-188 Dec 05 j 08:48	0°♏	
	-188 Dec 30 j 03:48	0°♐	
	-187 Jan 23 j 16:10	0°♑	
desc. node	-187 Jan 31 j 01:31	9°♑04'03	
	-187 Feb 17 j 02:41	0°♒	
	-187 Mar 13 j 13:06	0°♓	
	-187 Apr 07 j 00:00	0°♈	
morning set	-187 Apr 19 j 10:13	15°♈14'07	
	-187 May 01 j 11:13	0°♉	
asc. node	-187 May 24 j 04:25	27°♉52'12	
max. Earth dist.	-187 May 24 j 14:24	28°♉22'49	1.73656 AU
superior conj	-187 May 25 j 23:18	0°♊03'52	0°04'16
minimum elong	-187 May 25 j 22:27	0°♊01'14	0°04'14
behind sun begin	-187 May 25 j 00:46	28°♉54'41	
behind sun end	-187 May 26 j 20:07	1°♊07'48	
	-187 May 25 j 22:03	0°♊	
	-187 Jun 19 j 07:40	0°♋	
evening rise	-187 Jun 30 j 17:59	14°♋04'46	
	-187 Jul 13 j 15:53	0°♌	
	-187 Aug 06 j 23:28	0°♍	
	-187 Aug 31 j 07:49	0°♎	
desc. node	-187 Sep 12 j 18:13	15°♎16'34	
	-187 Sep 24 j 18:32	0°♏	
	-187 Oct 19 j 09:34	0°♐	
	-187 Nov 13 j 09:04	0°♑	
	-187 Dec 09 j 04:28	0°♒	
evening max el	-186 Jan 01 j 13:09	25°♒14'21	46°53'01
asc. node	-186 Jan 03 j 21:04	27°♒35'10	
	-186 Jan 06 j 07:37	0°♓	
greatest brilliancy	-186 Feb 06 j 18:32	24°♓35'20	-4.6m
retrograde	-186 Feb 21 j 03:05	28°♓21'07	
evening set	-186 Mar 10 j 17:01	22°♓20'47	
inferior conj	-186 Mar 14 j 09:19	20°♓02'43	7°50'36
minimum elong	-186 Mar 14 j 16:24	19°♓51'29	7°49'46
min. Earth dist.	-186 Mar 14 j 05:14	20°♓09'11	0.28657 AU
morning rise	-186 Mar 18 j 16:00	17°♓23'18	
direct	-186 Apr 04 j 15:05	11°♓49'40	
greatest brilliancy	-186 Apr 16 j 13:34	14°♓22'39	-4.5m
desc. node	-186 Apr 25 j 10:47	18°♓56'40	
	-186 May 10 j 10:35	0°♈	
morning max el	-186 May 23 j 11:50	11°♈45'02	45°46'21
	-186 Jun 10 j 14:52	0°♉	
	-186 Jul 07 j 23:57	0°♊	
	-186 Aug 02 j 21:13	0°♋	
asc. node	-186 Aug 16 j 13:55	16°♋20'06	
	-186 Aug 27 j 21:00	0°♌	
	-186 Sep 21 j 06:25	0°♍	
	-186 Oct 15 j 07:07	0°♎	
	-186 Nov 08 j 03:45	0°♏	
morning set	-186 Nov 19 j 07:15	14°♏02'05	
	-186 Dec 01 j 23:34	0°♐	
desc. node	-186 Dec 06 j 03:49	5°♐15'28	
	-186 Dec 25 j 20:18	0°♑	
superior conj	-186 Dec 31 j 06:43	6°♑49'11	0°-54'-55
minimum elong	-186 Dec 30 j 19:02	6°♑12'32	0°54'30
max. Earth dist.	-185 Jan 03 j 19:54	11°♑16'18	1.71393 AU
	-185 Jan 18 j 18:56	0°♒	
evening rise	-185 Feb 10 j 03:52	27°♒53'48	
	-185 Feb 11 j 20:29	0°♓	
	-185 Mar 08 j 02:15	0°♈	
asc. node	-185 Mar 29 j 06:42	25°♈59'08	
	-185 Apr 01 j 13:40	0°♉	
	-185 Apr 26 j 08:11	0°♊	
	-185 May 21 j 12:00	0°♋	
	-185 Jun 16 j 05:44	0°♌	
	-185 Jul 13 j 00:41	0°♍	
desc. node	-185 Jul 18 j 20:29	6°♍15'56	
evening max el	-185 Aug 07 j 09:26	26°♍14'01	46°19'37
	-185 Aug 11 j 08:16	0°♎	
greatest brilliancy	-185 Sep 15 j 11:38	25°♎09'11	-4.6m
retrograde	-185 Sep 25 j 23:47	27°♎10'01	
evening set	-185 Oct 11 j 18:54	22°♎20'52	
inferior conj	-185 Oct 16 j 14:13	19°♎30'36	-5°-35'-18
minimum elong	-185 Oct 17 j 00:37	19°♎14'51	5°32'42
min. Earth dist.	-185 Oct 17 j 04:59	19°♎08'14	0.26697 AU
morning rise	-185 Oct 22 j 06:00	16°♎12'03	
direct	-185 Nov 06 j 04:00	11°♎48'49	

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

asc. node	-185 Nov 08 j 23:16	11°♎58'20	
greatest brilliancy	-185 Nov 19 j 03:40	14°♎58'12	-4.7m
	-185 Dec 10 j 19:26	0°♏	
morning max el	-185 Dec 26 j 22:06	15°♏20'38	46°53'55
	-184 Jan 09 j 19:39	0°♐	
	-184 Feb 05 j 11:02	0°♑	
desc. node	-184 Feb 28 j 13:18	27°♑00'52	
	-184 Mar 02 j 01:56	0°♒	
	-184 Mar 27 j 06:34	0°♓	
	-184 Apr 21 j 05:54	0°♈	
	-184 May 16 j 01:30	0°♉	
	-184 Jun 09 j 17:12	0°♊	
asc. node	-184 Jun 20 j 16:18	13°♊24'57	
morning set	-184 Jun 25 j 19:03	19°♊41'26	
	-184 Jul 04 j 04:17	0°♋	
	-184 Jul 28 j 10:37	0°♌	
max. Earth dist.	-184 Jul 28 j 06:44	29°♋47'56	1.72675 AU
superior conj	-184 Aug 01 j 04:32	4°♌39'03	1°17'44
minimum elong	-184 Jul 31 j 22:02	4°♌18'50	1°17'36
	-184 Aug 21 j 13:13	0°♍	
evening rise	-184 Sep 07 j 06:23	20°♍51'49	
	-184 Sep 14 j 13:52	0°♎	
	-184 Oct 08 j 14:15	0°♏	
desc. node	-184 Oct 10 j 06:10	2°♏04'35	
	-184 Nov 01 j 15:35	0°♐	
	-184 Nov 25 j 19:10	0°♑	
	-184 Dec 20 j 03:42	0°♒	
	-183 Jan 13 j 22:53	0°♓	
asc. node	-183 Jan 31 j 08:51	20°♓29'03	
	-183 Feb 08 j 16:04	0°♈	
	-183 Mar 08 j 10:47	0°♉	
evening max el	-183 Mar 13 j 17:27	5°♉14'26	45°39'42
	-183 Apr 13 j 13:31	0°♊	
greatest brilliancy	-183 Apr 16 j 22:14	1°♊44'22	-4.5m
retrograde	-183 May 01 j 11:53	5°♊26'11	
evening set	-183 May 16 j 14:03	1°♊03'07	
	-183 May 18 j 10:32	30°℞♉	
inferior conj	-183 May 22 j 23:02	27°♉13'29	0°00'-10
minimum elong	-183 May 22 j 23:02	27°♉13'30	0°00'11
transit middle	-183 May 22 j 23:02	27°♉13'30	0°00'11
transit begin	-183 May 22 j 18:58	27°♉19'52	
transit end	-183 May 23 j 03:05	27°♉07'08	
desc. node	-183 May 22 j 22:43	27°♉13'59	
min. Earth dist.	-183 May 23 j 03:41	27°♉06'12	0.28990 AU
morning rise	-183 May 29 j 07:57	23°♉23'41	
direct	-183 Jun 13 j 16:16	18°♉54'37	
greatest brilliancy	-183 Jun 27 j 11:58	22°♉14'18	-4.5m
	-183 Jul 10 j 12:15	0°♊	
morning max el	-183 Aug 01 j 16:29	19°♊00'31	45°58'30
	-183 Aug 12 j 15:53	0°♋	
	-183 Sep 09 j 00:52	0°♌	
asc. node	-183 Sep 13 j 01:43	4°♌38'33	
	-183 Oct 04 j 12:48	0°♍	
	-183 Oct 29 j 03:03	0°♎	
	-183 Nov 22 j 07:01	0°♏	
	-183 Dec 16 j 07:16	0°♐	
desc. node	-182 Jan 02 j 15:42	21°♐41'39	
	-182 Jan 09 j 07:17	0°♑	
	-182 Feb 02 j 08:40	0°♒	
morning set	-182 Feb 04 j 13:29	2°♒44'23	
	-182 Feb 26 j 12:07	0°♓	
superior conj	-182 Mar 15 j 22:16	21°♓34'05	-1°-17'-17
minimum elong	-182 Mar 16 j 05:58	21°♓57'55	1°17'08
max. Earth dist.	-182 Mar 19 j 01:22	25°♓26'06	1.72934 AU
	-182 Mar 22 j 18:06	0°♈	
	-182 Apr 16 j 02:45	0°♉	
evening rise	-182 Apr 22 j 17:29	8°♉07'17	
asc. node	-182 Apr 25 j 18:40	11°♉51'48	
	-182 May 10 j 13:58	0°♊	
	-182 Jun 04 j 03:38	0°♋	
	-182 Jun 28 j 20:22	0°♌	
	-182 Jul 23 j 17:54	0°♍	
desc. node	-182 Aug 15 j 08:16	26°♍53'37	
	-182 Aug 17 j 23:29	0°♎	
	-182 Sep 12 j 19:12	0°♏	
	-182 Oct 09 j 21:08	0°♐	
evening max el	-182 Oct 19 j 15:08	10°♐07'14	47°22'14
	-182 Nov 10 j 06:11	0°♑	
greatest brilliancy	-182 Nov 27 j 03:09	10°♑47'52	-4.7m
asc. node	-182 Dec 06 j 11:13	13°♑29'56	
retrograde	-182 Dec 09 j 12:24	13°♑41'12	
evening set	-182 Dec 24 j 15:52	9°♑06'20	
min. Earth dist.	-182 Dec 29 j 06:18	6°♑21'20	0.26868 AU
inferior conj	-182 Dec 30 j 05:11	5°♑45'47	5°37'18
minimum elong	-182 Dec 29 j 19:17	6°♑01'10	5°34'54
morning rise	-181 Jan 03 j 23:14	2°♑53'40	
	-181 Jan 09 j 21:05	30°℞♐	
direct	-181 Jan 19 j 15:11	28°♐03'30	
	-181 Jan 29 j 19:53	0°♑	
greatest brilliancy	-181 Jan 30 j 07:35	0°♑10'53	-4.6m
morning max el	-181 Mar 10 j 04:06	29°♑24'54	46°18'21
	-181 Mar 10 j 18:26	0°♒	
desc. node	-181 Mar 28 j 01:09	17°♒44'18	
	-181 Apr 08 j 08:58	0°♓	
	-181 May 05 j 00:02	0°♈	
	-181 May 30 j 18:28	0°♉	
	-181 Jun 24 j 23:56	0°♊	
asc. node	-181 Jul 19 j 04:06	29°♊14'58	
	-181 Jul 19 j 18:52	0°♋	
	-181 Aug 13 j 04:37	0°♌	
morning set	-181 Sep 03 j 19:53	26°♌54'34	
	-181 Sep 06 j 07:13	0°♍	
	-181 Sep 30 j 05:22	0°♎	
max. Earth dist.	-181 Oct 10 j 23:29	13°♎31'37	1.71217 AU
superior conj	-181 Oct 12 j 08:38	15°♎15'52	0°57'13
minimum elong	-181 Oct 12 j 19:22	15°♎49'39	0°56'49
	-181 Oct 24 j 01:41	0°♏	
desc. node	-181 Nov 07 j 18:09	18°♏28'37	
	-181 Nov 16 j 22:05	0°♐	
evening rise	-181 Nov 22 j 14:22	7°♐08'02	
	-181 Dec 10 j 19:43	0°♑	
	-180 Jan 03 j 19:50	0°♒	
	-180 Jan 28 j 00:30	0°♓	
	-180 Feb 21 j 13:07	0°♈	
asc. node	-180 Feb 28 j 20:48	8°♈50'27	
	-180 Mar 17 j 14:37	0°♉	
	-180 Apr 12 j 13:07	0°♊	
	-180 May 10 j 03:47	0°♋	
evening max el	-180 May 23 j 06:39	13°♋04'02	45°20'08
	-180 Jun 11 j 21:04	0°♌	
desc. node	-180 Jun 19 j 10:44	5°♌12'32	
greatest brilliancy	-180 Jun 28 j 12:33	9°♌56'40	-4.5m
retrograde	-180 Jul 10 j 21:24	12°♌38'26	
evening set	-180 Jul 27 j 22:22	7°♌12'34	
inferior conj	-180 Aug 01 j 04:06	4°♌39'33	-8°00'-21
minimum elong	-180 Jul 31 j 20:30	4°♌51'14	7°59'28
min. Earth dist.	-180 Aug 01 j 13:00	4°♌25'51	0.28417 AU
morning rise	-180 Aug 04 j 18:21	2°♌28'23	
	-180 Aug 09 j 05:53	30°℞♋	
direct	-180 Aug 22 j 13:41	26°♋30'16	
	-180 Sep 05 j 14:04	0°♌	

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

greatest brilliancy	-180 Sep 06 j 02:41	0°♌14'59	-4.6m	
asc. node	-180 Oct 10 j 13:35	27°♌33'35		
morning max el	-180 Oct 11 j 21:00	28°♌52'23	46°39'50	
	-180 Oct 12 j 23:43	0°♍		
	-180 Nov 09 j 11:24	0°♎		
	-180 Dec 04 j 22:49	0°♏		
	-180 Dec 29 j 16:45	0°♐		
	-179 Jan 23 j 04:27	0°♑		
desc. node	-179 Jan 30 j 03:29	8°♑32'54		
	-179 Feb 16 j 14:29	0°♒		
	-179 Mar 13 j 00:31	0°♓		
	-179 Apr 06 j 11:09	0°♈		
morning set	-179 Apr 17 j 03:24	13°♈05'41		
	-179 Apr 30 j 22:13	0°♉		
max. Earth dist.	-179 May 22 j 13:28	26°♉32'40	1.73664 AU	
asc. node	-179 May 23 j 06:31	27°♉24'59		
superior conj	-179 May 23 j 17:35	27°♉59'01	0°01'07	
minimum elong	-179 May 23 j 17:21	27°♉58'16	0°01'06	
behind sun begin	-179 May 22 j 19:04	26°♉49'51		
behind sun end	-179 May 24 j 15:38	29°♉06'41		
	-179 May 25 j 09:00	0°♊		
	-179 Jun 18 j 18:41	0°♋		
evening rise	-179 Jun 28 j 13:01	12°♋01'33		
	-179 Jul 13 j 03:02	0°♌		
	-179 Aug 06 j 10:51	0°♍		
	-179 Aug 30 j 19:35	0°♎		
desc. node	-179 Sep 11 j 20:20	14°♎46'11		
	-179 Sep 24 j 06:51	0°♏		
	-179 Oct 18 j 22:39	0°♐		
	-179 Nov 12 j 23:25	0°♑		
	-179 Dec 08 j 21:20	0°♒		
evening max el	-179 Dec 30 j 05:10	22°♒57'25	46°55'24	
asc. node	-178 Jan 02 j 23:03	26°♒42'43		
	-178 Jan 06 j 08:01	0°♓		
greatest brilliancy	-178 Feb 04 j 11:21	22°♓21'12	-4.6m	
retrograde	-178 Feb 18 j 19:52	26°♓06'30		
evening set	-178 Mar 08 j 11:02	20°♓02'52		
inferior conj	-178 Mar 12 j 01:08	17°♓48'04	7°58'39	
minimum elong	-178 Mar 12 j 07:42	17°♓37'39	7°57'57	
min. Earth dist.	-178 Mar 11 j 19:37	17°♓56'49	0.28620 AU	
morning rise	-178 Mar 16 j 04:38	15°♓13'38		
direct	-178 Apr 02 j 06:48	9°♓35'50		
greatest brilliancy	-178 Apr 14 j 02:13	12°♓06'30	-4.5m	
desc. node	-178 Apr 24 j 12:56	17°♓38'14		
	-178 May 10 j 16:13	0°♈		
morning max el	-178 May 21 j 04:13	9°♈35'05	45°46'40	
	-178 Jun 10 j 08:26	0°♉		
	-178 Jul 07 j 14:11	0°♊		
	-178 Aug 02 j 09:59	0°♋		
asc. node	-178 Aug 15 j 15:54	15°♋49'05		
	-178 Aug 27 j 09:01	0°♌		
	-178 Sep 20 j 18:02	0°♍		
	-178 Oct 14 j 18:32	0°♎		
	-178 Nov 07 j 15:04	0°♏		
morning set	-178 Nov 16 j 18:05	11°♏29'34		
	-178 Dec 01 j 10:50	0°♐		
desc. node	-178 Dec 05 j 05:55	4°♐46'36		
	-178 Dec 25 j 07:32	0°♑		
superior conj	-178 Dec 28 j 16:31	4°♑14'05	0°-51'-49	
minimum elong	-178 Dec 28 j 05:05	3°♑38'14	0°51'23	
max. Earth dist.	-177 Jan 01 j 06:34	8°♑44'01	1.71356 AU	
	-177 Jan 18 j 06:09	0°♒		
evening rise	-177 Feb 07 j 15:54	25°♒27'04		
	-177 Feb 11 j 07:43	0°♓		
	-177 Mar 07 j 13:33	0°♈		
asc. node	-177 Mar 28 j 08:50	25°♈30'39		
	-177 Apr 01 j 01:10	0°♉		
	-177 Apr 25 j 20:07	0°♊		
	-177 May 21 j 00:43	0°♋		
	-177 Jun 15 j 19:56	0°♌		
	-177 Jul 12 j 18:01	0°♍		
desc. node	-177 Jul 17 j 22:26	5°♍32'19		
evening max el	-177 Aug 04 j 23:13	23°♍53'04	46°16'48	
	-177 Aug 11 j 10:56	0°♎		
greatest brilliancy	-177 Sep 13 j 00:49	22°♎43'17	-4.6m	
retrograde	-177 Sep 23 j 11:33	24°♎42'21		
evening set	-177 Oct 09 j 10:28	19°♎49'06		
inferior conj	-177 Oct 14 j 02:35	17°♎03'01	-5°-53'-37	
minimum elong	-177 Oct 14 j 13:11	16°♎46'56	5°51'04	
min. Earth dist.	-177 Oct 14 j 18:15	16°♎39'14	0.26742 AU	
morning rise	-177 Oct 19 j 15:32	13°♎47'54		
direct	-177 Nov 03 j 17:01	9°♎20'42		
asc. node	-177 Nov 08 j 01:20	9°♎43'15		
greatest brilliancy	-177 Nov 16 j 17:33	12°♎30'34	-4.7m	
	-177 Dec 11 j 03:07	0°♏		
morning max el	-177 Dec 24 j 10:51	12°♏52'24	46°54'26	
	-176 Jan 09 j 14:25	0°♐		
	-176 Feb 05 j 02:07	0°♑		
desc. node	-176 Feb 27 j 15:26	26°♑27'12		
	-176 Mar 01 j 15:18	0°♒		
	-176 Mar 26 j 18:58	0°♓		
	-176 Apr 20 j 17:42	0°♈		
	-176 May 15 j 12:53	0°♉		
	-176 Jun 09 j 04:18	0°♊		
asc. node	-176 Jun 19 j 18:18	12°♊57'16		
morning set	-176 Jun 23 j 13:07	17°♊35'47		
	-176 Jul 03 j 15:16	0°♋		
max. Earth dist.	-176 Jul 25 j 22:54	27°♋35'11	1.72731 AU	
	-176 Jul 27 j 21:36	0°♌		
superior conj	-176 Jul 29 j 22:01	2°♌30'12	1°16'23	
minimum elong	-176 Jul 29 j 15:04	2°♌08'38	1°16'15	
	-176 Aug 21 j 00:19	0°♍		
evening rise	-176 Sep 04 j 21:03	18°♍32'43		
	-176 Sep 14 j 01:09	0°♎		
	-176 Oct 08 j 01:45	0°♏		
desc. node	-176 Oct 09 j 08:19	1°♏35'25		
	-176 Nov 01 j 03:19	0°♐		
	-176 Nov 25 j 07:11	0°♑		
	-176 Dec 19 j 16:11	0°♒		
	-175 Jan 13 j 12:14	0°♓		
asc. node	-175 Jan 30 j 10:53	19°♓53'16		
	-175 Feb 08 j 07:19	0°♈		
	-175 Mar 08 j 07:18	0°♉		
evening max el	-175 Mar 11 j 08:17	2°♉59'59	45°41'32	
greatest brilliancy	-175 Apr 14 j 14:20	29°♉35'12	-4.5m	
	-175 Apr 15 j 11:38	0°♊		
retrograde	-175 Apr 29 j 04:00	3°♊17'59		
	-175 May 12 j 04:18	30°R♉		
evening set	-175 May 14 j 07:30	28°♉53'31		
inferior conj	-175 May 20 j 15:41	25°♉05'04	0°19'22	
minimum elong	-175 May 20 j 16:23	25°♉03'57	0°19'09	
min. Earth dist.	-175 May 20 j 20:54	24°♉56'52	0.28996 AU	
desc. node	-175 May 22 j 00:48	24°♉13'07		
morning rise	-175 May 27 j 01:08	21°♉14'06		
direct	-175 Jun 11 j 08:16	16°♉46'01		
greatest brilliancy	-175 Jun 25 j 03:31	20°♉04'22	-4.5m	
	-175 Jul 11 j 02:21	0°♊		
morning max el	-175 Jul 30 j 07:16	16°♊46'28	45°57'23	
	-175 Aug 12 j 10:33	0°♋		
	-175 Sep 08 j 15:33	0°♌		
asc. node	-175 Sep 12 j 03:57	4°♌03'28		

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

	-175 Oct 04 j 01:55	0°♍		
	-175 Oct 28 j 15:24	0°♎		
	-175 Nov 21 j 18:55	0°♏		
	-175 Dec 15 j 18:52	0°♐		
desc. node	-174 Jan 01 j 17:41	21°♐12'08		
	-174 Jan 08 j 18:39	0°♑		
	-174 Feb 01 j 19:50	0°♒		
morning set	-174 Feb 02 j 01:20	0°♒17'08		
	-174 Feb 25 j 23:08	0°♓		
superior conj	-174 Mar 13 j 13:34	19°♓19'18	-1°-18'-40	
minimum elong	-174 Mar 13 j 20:47	19°♓41'38	1°18'34	
max. Earth dist.	-174 Mar 16 j 18:41	23°♓17'35	1.72883 AU	
	-174 Mar 22 j 05:01	0°♈		
	-174 Apr 15 j 13:40	0°♉		
evening rise	-174 Apr 20 j 10:56	6°♉00'03		
asc. node	-174 Apr 24 j 20:45	11°♉24'38		
	-174 May 10 j 00:59	0°♊		
	-174 Jun 03 j 14:55	0°♋		
	-174 Jun 28 j 08:06	0°♌		
	-174 Jul 23 j 06:23	0°♍		
desc. node	-174 Aug 14 j 10:23	26°♍20'07		
	-174 Aug 17 j 13:09	0°♎		
	-174 Sep 12 j 10:58	0°♏		
	-174 Oct 09 j 17:36	0°♐		
evening max el	-174 Oct 17 j 04:03	7°♐39'49	47°21'18	
	-174 Nov 10 j 23:53	0°♑		
greatest brilliancy	-174 Nov 24 j 18:40	8°♑22'08	-4.7m	
asc. node	-174 Dec 05 j 13:15	11°♑10'38		
retrograde	-174 Dec 07 j 01:40	11°♑13'27		
evening set	-174 Dec 22 j 02:16	6°♑42'42		
min. Earth dist.	-174 Dec 26 j 20:11	3°♑53'18	0.26810 AU	
inferior conj	-174 Dec 27 j 18:14	3°♑19'09	5°19'07	
minimum elong	-174 Dec 27 j 08:31	3°♑34'13	5°16'39	
morning rise	-173 Jan 01 j 15:15	0°♑23'09		
	-173 Jan 02 j 07:49	30°℞♐		
direct	-173 Jan 17 j 03:06	25°♐37'30		
greatest brilliancy	-173 Jan 27 j 22:02	27°♐47'17	-4.6m	
	-173 Feb 01 j 19:40	0°♑		
morning max el	-173 Mar 07 j 17:42	27°♑03'56	46°20'05	
	-173 Mar 10 j 17:00	0°♒		
desc. node	-173 Mar 27 j 03:19	17°♒02'27		
	-173 Apr 08 j 00:58	0°♓		
	-173 May 04 j 13:33	0°♈		
	-173 May 30 j 06:44	0°♉		
	-173 Jun 24 j 11:31	0°♊		
asc. node	-173 Jul 18 j 06:08	28°♊46'57		
	-173 Jul 19 j 06:05	0°♋		
	-173 Aug 12 j 15:40	0°♌		
morning set	-173 Sep 01 j 11:09	24°♌38'05		
	-173 Sep 05 j 18:12	0°♍		
	-173 Sep 29 j 16:21	0°♎		
max. Earth dist.	-173 Oct 08 j 10:53	11°♎01'48	1.71252 AU	
superior conj	-173 Oct 09 j 20:48	12°♎48'27	0°59'56	
minimum elong	-173 Oct 10 j 07:31	13°♎22'10	0°59'33	
	-173 Oct 23 j 12:45	0°♏		
desc. node	-173 Nov 06 j 20:10	17°♏59'55		
	-173 Nov 16 j 09:15	0°♐		
evening rise	-173 Nov 20 j 00:02	4°♐32'35		
	-173 Dec 10 j 07:00	0°♑		
	-172 Jan 03 j 07:14	0°♒		
	-172 Jan 27 j 12:05	0°♓		
	-172 Feb 21 j 01:03	0°♈		
asc. node	-172 Feb 27 j 23:00	8°♈20'39		
	-172 Mar 17 j 03:20	0°♉		
	-172 Apr 12 j 03:32	0°♊		
	-172 May 09 j 22:28	0°♋		
evening max el	-172 May 20 j 22:32	10°♋53'42	45°19'28	
	-172 Jun 12 j 13:04	0°♌		
desc. node	-172 Jun 18 j 12:42	3°♌53'03		
greatest brilliancy	-172 Jun 25 j 23:36	7°♌39'47	-4.5m	
retrograde	-172 Jul 08 j 12:40	10°♌25'18		
evening set	-172 Jul 25 j 09:53	5°♌03'57		
inferior conj	-172 Jul 29 j 19:10	2°♌25'35	-7°-51'-14	
minimum elong	-172 Jul 29 j 11:04	2°♌38'03	7°50'13	
min. Earth dist.	-172 Jul 30 j 03:04	2°♌13'26	0.28459 AU	
morning rise	-172 Aug 02 j 12:00	0°♌10'38		
	-172 Aug 02 j 19:14	30°℞♋		
direct	-172 Aug 20 j 05:50	24°♋15'44		
greatest brilliancy	-172 Sep 03 j 18:31	28°♋00'32	-4.6m	
	-172 Sep 07 j 12:53	0°♌		
morning max el	-172 Oct 09 j 12:46	26°♌35'44	46°38'28	
asc. node	-172 Oct 09 j 15:38	26°♌42'56		
	-172 Oct 12 j 20:58	0°♍		
	-172 Nov 09 j 03:11	0°♎		
	-172 Dec 04 j 12:32	0°♏		
	-172 Dec 29 j 05:25	0°♐		
	-171 Jan 22 j 16:29	0°♑		
desc. node	-171 Jan 29 j 05:36	8°♑02'54		
	-171 Feb 16 j 02:02	0°♒		
	-171 Mar 12 j 11:43	0°♓		
	-171 Apr 05 j 22:03	0°♈		
morning set	-171 Apr 14 j 20:53	10°♈58'52		
	-171 Apr 30 j 08:56	0°♉		
max. Earth dist.	-171 May 20 j 13:48	24°♉47'18	1.73665 AU	
superior conj	-171 May 21 j 12:09	25°♉55'57	0°-2'-1	
minimum elong	-171 May 21 j 12:34	25°♉57'12	0°02'01	
behind sun begin	-171 May 20 j 14:19	24°♉48'53		
behind sun end	-171 May 22 j 10:49	27°♉05'31		
asc. node	-171 May 22 j 08:32	26°♉58'31		
	-171 May 24 j 19:39	0°♊		
	-171 Jun 18 j 05:22	0°♋		
evening rise	-171 Jun 26 j 08:24	10°♋00'21		
	-171 Jul 12 j 13:54	0°♌		
	-171 Aug 05 j 22:00	0°♍		
	-171 Aug 30 j 07:10	0°♎		
desc. node	-171 Sep 10 j 22:28	14°♎16'26		
	-171 Sep 23 j 19:00	0°♏		
	-171 Oct 18 j 11:37	0°♐		
	-171 Nov 12 j 13:40	0°♑		
	-171 Dec 08 j 14:14	0°♒		
evening max el	-171 Dec 27 j 21:21	20°♒41'30	46°57'43	
asc. node	-170 Jan 02 j 01:07	25°♒50'20		
	-170 Jan 06 j 09:19	0°♓		
greatest brilliancy	-170 Feb 02 j 05:11	20°♓09'02	-4.6m	
retrograde	-170 Feb 16 j 12:24	23°♓52'17		
evening set	-170 Mar 06 j 04:54	17°♓45'55		
inferior conj	-170 Mar 09 j 16:54	15°♓34'06	8°06'06	
minimum elong	-170 Mar 09 j 22:54	15°♓24'35	8°05'32	
min. Earth dist.	-170 Mar 09 j 10:03	15°♓44'58	0.28578 AU	
morning rise	-170 Mar 13 j 17:13	13°♓04'26		
direct	-170 Mar 30 j 22:32	7°♓22'52		
greatest brilliancy	-170 Apr 11 j 14:01	9°♓50'04	-4.5m	
desc. node	-170 Apr 23 j 14:56	16°♓22'49		
	-170 May 10 j 19:34	0°♈		
morning max el	-170 May 18 j 20:06	7°♈24'59	45°47'10	
	-170 Jun 10 j 01:13	0°♉		
	-170 Jul 07 j 03:51	0°♊		
	-170 Aug 01 j 22:16	0°♋		
asc. node	-170 Aug 14 j 18:08	15°♋20'09		
	-170 Aug 26 j 20:36	0°♌		
	-170 Sep 20 j 05:18	0°♍		

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

	-170 Oct 14 j 05:39	0°♎		
	-170 Nov 07 j 02:09	0°♏		
morning set	-170 Nov 14 j 04:39	8°♏56'55		
	-170 Nov 30 j 21:52	0°♐		
desc. node	-170 Dec 04 j 07:56	4°♐18'15		
	-170 Dec 24 j 18:31	0°♑		
superior conj	-170 Dec 26 j 01:55	1°♑38'35	0°-48'-34	
minimum elong	-170 Dec 25 j 14:51	1°♑03'50	0°48'08	
max. Earth dist.	-170 Dec 29 j 16:10	6°♑09'10	1.71315 AU	
	-169 Jan 17 j 17:05	0°♒		
evening rise	-169 Feb 05 j 03:34	23°♒00'04		
	-169 Feb 10 j 18:39	0°♓		
	-169 Mar 07 j 00:34	0°♈		
asc. node	-169 Mar 27 j 10:56	25°♈02'58		
	-169 Mar 31 j 12:23	0°♉		
	-169 Apr 25 j 07:44	0°♊		
	-169 May 20 j 13:06	0°♋		
	-169 Jun 15 j 09:49	0°♌		
	-169 Jul 12 j 11:11	0°♍		
desc. node	-169 Jul 17 j 00:35	4°♍50'15		
evening max el	-169 Aug 02 j 12:07	21°♍31'41	46°13'58	
	-169 Aug 11 j 14:30	0°♎		
greatest brilliancy	-169 Sep 10 j 14:15	20°♎19'26	-4.6m	
retrograde	-169 Sep 20 j 22:59	22°♎16'40		
evening set	-169 Oct 07 j 02:09	17°♎18'57		
inferior conj	-169 Oct 11 j 15:08	14°♎37'14	-6°-10'-58	
minimum elong	-169 Oct 12 j 01:48	14°♎20'59	6°08'32	
min. Earth dist.	-169 Oct 12 j 07:53	14°♎11'44	0.26797 AU	
morning rise	-169 Oct 17 j 01:03	11°♎25'46		
direct	-169 Nov 01 j 05:45	6°♎53'56		
asc. node	-169 Nov 07 j 03:23	7°♎34'50		
greatest brilliancy	-169 Nov 14 j 08:42	10°♎05'38	-4.7m	
	-169 Dec 11 j 08:16	0°♏		
morning max el	-169 Dec 21 j 23:20	10°♏23'59	46°54'49	
	-168 Jan 09 j 08:30	0°♐		
	-168 Feb 04 j 16:48	0°♑		
desc. node	-168 Feb 26 j 17:36	25°♑54'35		
	-168 Mar 01 j 04:19	0°♒		
	-168 Mar 26 j 07:01	0°♓		
	-168 Apr 20 j 05:08	0°♈		
	-168 May 14 j 23:54	0°♉		
	-168 Jun 08 j 15:04	0°♊		
asc. node	-168 Jun 18 j 20:24	12°♊30'54		
morning set	-168 Jun 21 j 07:23	15°♊31'46		
	-168 Jul 03 j 01:53	0°♋		
max. Earth dist.	-168 Jul 23 j 16:52	25°♋29'11	1.72782 AU	
	-168 Jul 27 j 08:13	0°♌		
superior conj	-168 Jul 27 j 15:54	0°♌23'49	1°14'58	
minimum elong	-168 Jul 27 j 08:35	0°♌01'06	1°14'49	
	-168 Aug 20 j 11:02	0°♍		
evening rise	-168 Sep 02 j 12:19	16°♍16'56		
	-168 Sep 13 j 12:02	0°♎		
	-168 Oct 07 j 12:52	0°♏		
desc. node	-168 Oct 08 j 10:20	1°♏06'58		
	-168 Oct 31 j 14:43	0°♐		
	-168 Nov 24 j 18:59	0°♑		
	-168 Dec 19 j 04:32	0°♒		
	-167 Jan 13 j 01:31	0°♓		
asc. node	-167 Jan 29 j 13:05	19°♓18'12		
	-167 Feb 07 j 22:36	0°♈		
	-167 Mar 08 j 04:20	0°♉		
evening max el	-167 Mar 08 j 22:35	0°♉44'43	45°43'39	
greatest brilliancy	-167 Apr 12 j 05:21	27°♉25'04	-4.5m	
	-167 Apr 18 j 21:41	0°♊		
retrograde	-167 Apr 26 j 20:15	1°♊10'14		
	-167 May 04 j 12:36	30°℞♉		
evening set	-167 May 12 j 00:55	26°♉43'52		
inferior conj	-167 May 18 j 08:10	22°♉56'56	0°38'54	
minimum elong	-167 May 18 j 09:35	22°♉54'42	0°38'30	
min. Earth dist.	-167 May 18 j 13:53	22°♉47'57	0.29000 AU	
desc. node	-167 May 21 j 02:49	21°♉13'01		
morning rise	-167 May 24 j 18:03	19°♉05'12		
direct	-167 Jun 08 j 23:59	14°♉37'31		
greatest brilliancy	-167 Jun 22 j 19:45	17°♉55'53	-4.5m	
	-167 Jul 11 j 12:33	0°♊		
morning max el	-167 Jul 27 j 22:54	14°♊35'23	45°56'31	
	-167 Aug 12 j 04:26	0°♋		
	-167 Sep 08 j 05:43	0°♌		
asc. node	-167 Sep 11 j 05:56	3°♌28'55		
	-167 Oct 03 j 14:35	0°♍		
	-167 Oct 28 j 03:20	0°♎		
	-167 Nov 21 j 06:27	0°♏		
	-167 Dec 15 j 06:10	0°♐		
desc. node	-167 Dec 31 j 19:50	20°♐43'52		
	-166 Jan 08 j 05:47	0°♑		
morning set	-166 Jan 30 j 12:31	27°♑48'14		
	-166 Feb 01 j 06:49	0°♒		
	-166 Feb 25 j 10:00	0°♓		
superior conj	-166 Mar 11 j 04:12	17°♓02'47	-1°-19'-58	
minimum elong	-166 Mar 11 j 10:51	17°♓23'24	1°19'52	
max. Earth dist.	-166 Mar 14 j 09:06	21°♓00'33	1.72831 AU	
	-166 Mar 21 j 15:46	0°♈		
	-166 Apr 15 j 00:24	0°♉		
evening rise	-166 Apr 18 j 03:51	3°♉51'37		
asc. node	-166 Apr 23 j 22:44	10°♉57'39		
	-166 May 09 j 11:50	0°♊		
	-166 Jun 03 j 02:03	0°♋		
	-166 Jun 27 j 19:43	0°♌		
	-166 Jul 22 j 18:44	0°♍		
desc. node	-166 Aug 13 j 12:32	25°♍47'11		
	-166 Aug 17 j 02:41	0°♎		
	-166 Sep 12 j 02:39	0°♏		
	-166 Oct 09 j 14:18	0°♐		
evening max el	-166 Oct 14 j 17:49	5°♐15'56	47°20'26	
	-166 Nov 11 j 22:58	0°♑		
greatest brilliancy	-166 Nov 22 j 08:55	5°♑56'00	-4.7m	
retrograde	-166 Dec 04 j 15:18	8°♑46'43		
asc. node	-166 Dec 04 j 15:18	8°♑46'43		
evening set	-166 Dec 19 j 12:53	4°♑19'30		
min. Earth dist.	-166 Dec 24 j 09:47	1°♑26'23	0.26760 AU	
inferior conj	-166 Dec 25 j 07:16	0°♑53'12	5°00'14	
minimum elong	-166 Dec 24 j 21:50	1°♑07'47	4°57'44	
	-166 Dec 26 j 17:48	30°℞♐		
morning rise	-166 Dec 30 j 07:17	27°♐53'30		
direct	-165 Jan 14 j 15:42	23°♐12'04		
greatest brilliancy	-165 Jan 25 j 12:05	25°♐23'46	-4.6m	
	-165 Feb 03 j 14:22	0°♑		
morning max el	-165 Mar 05 j 08:16	24°♑45'33	46°21'32	
	-165 Mar 10 j 14:36	0°♒		
desc. node	-165 Mar 26 j 05:17	16°♒20'36		
	-165 Apr 07 j 16:42	0°♓		
	-165 May 04 j 02:56	0°♈		
	-165 May 29 j 18:54	0°♉		
	-165 Jun 23 j 23:01	0°♊		
asc. node	-165 Jul 17 j 08:18	28°♊19'33		
	-165 Jul 18 j 17:12	0°♋		
	-165 Aug 12 j 02:36	0°♌		
morning set	-165 Aug 30 j 02:26	22°♌22'06		
	-165 Sep 05 j 05:05	0°♍		
	-165 Sep 29 j 03:15	0°♎		
max. Earth dist.	-165 Oct 05 j 21:02	8°♎28'25	1.71280 AU	

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

superior conj	-165 Oct 07 j 09:18	10°♎22'28	1°02'30
minimum elong	-165 Oct 07 j 19:56	10°♎55'53	1°02'09
	-165 Oct 22 j 23:42	0°♏	
desc. node	-165 Nov 05 j 22:12	17°♏31'45	
	-165 Nov 15 j 20:17	0°♐	
evening rise	-165 Nov 17 j 10:05	1°♐58'45	
	-165 Dec 09 j 18:08	0°♑	
	-164 Jan 02 j 18:29	0°♒	
	-164 Jan 26 j 23:33	0°♓	
	-164 Feb 20 j 12:59	0°♈	
asc. node	-164 Feb 27 j 00:59	7°♈50'13	
	-164 Mar 16 j 16:08	0°♉	
	-164 Apr 11 j 18:11	0°♊	
	-164 May 09 j 17:49	0°♋	
evening max el	-164 May 18 j 14:46	8°♋43'50	45°18'53
	-164 Jun 13 j 10:55	0°♌	
desc. node	-164 Jun 17 j 14:50	2°♌30'51	
greatest brilliancy	-164 Jun 23 j 11:40	5°♌23'46	-4.5m
retrograde	-164 Jul 06 j 03:32	8°♌11'36	
evening set	-164 Jul 22 j 21:20	2°♌55'04	
inferior conj	-164 Jul 27 j 10:08	0°♌11'16	-7°-41'-33
minimum elong	-164 Jul 27 j 01:34	0°♌24'28	7°40'22
min. Earth dist.	-164 Jul 27 j 17:07	0°♌00'30	0.28496 AU
	-164 Jul 27 j 17:27	30°℞♋	
morning rise	-164 Jul 31 j 05:37	27°♋52'16	
direct	-164 Aug 17 j 21:56	22°♋01'02	
greatest brilliancy	-164 Sep 01 j 09:07	25°♋44'17	-4.6m
	-164 Sep 08 j 20:34	0°♌	
morning max el	-164 Oct 07 j 03:49	24°♌17'16	46°37'05
asc. node	-164 Oct 08 j 17:39	25°♌52'56	
	-164 Oct 12 j 17:32	0°♍	
	-164 Nov 08 j 18:43	0°♎	
	-164 Dec 04 j 02:07	0°♏	
	-164 Dec 28 j 17:59	0°♐	
	-163 Jan 22 j 04:24	0°♑	
desc. node	-163 Jan 28 j 07:44	7°♑33'14	
	-163 Feb 15 j 13:30	0°♒	
	-163 Mar 11 j 22:51	0°♓	
	-163 Apr 05 j 08:59	0°♈	
morning set	-163 Apr 12 j 14:07	8°♈51'08	
	-163 Apr 29 j 19:45	0°♉	
max. Earth dist.	-163 May 18 j 12:35	22°♉56'50	1.73666 AU
superior conj	-163 May 19 j 06:21	23°♉51'23	0°-5'-10
minimum elong	-163 May 19 j 07:24	23°♉54'36	0°05'08
behind sun begin	-163 May 18 j 10:01	22°♉48'56	
behind sun end	-163 May 20 j 04:47	25°♉00'16	
asc. node	-163 May 21 j 10:40	26°♉31'59	
	-163 May 24 j 06:25	0°♊	
	-163 Jun 17 j 16:12	0°♋	
evening rise	-163 Jun 24 j 03:18	7°♋57'17	
	-163 Jul 12 j 00:53	0°♌	
	-163 Aug 05 j 09:17	0°♍	
	-163 Aug 29 j 18:54	0°♎	
desc. node	-163 Sep 10 j 00:25	13°♎45'41	
	-163 Sep 23 j 07:21	0°♏	
	-163 Oct 18 j 00:47	0°♐	
	-163 Nov 12 j 04:11	0°♑	
	-163 Dec 08 j 07:33	0°♒	
evening max el	-163 Dec 25 j 13:07	18°♒24'13	47°00'03
asc. node	-162 Jan 01 j 03:19	24°♒57'09	
	-162 Jan 06 j 12:01	0°♓	
greatest brilliancy	-162 Jan 30 j 23:33	17°♓57'31	-4.6m
retrograde	-162 Feb 14 j 04:35	21°♓38'03	
evening set	-162 Mar 03 j 22:41	15°♓29'27	
inferior conj	-162 Mar 07 j 08:48	13°♓20'18	8°12'51
minimum elong	-162 Mar 07 j 14:11	13°♓11'44	8°12'23
min. Earth dist.	-162 Mar 07 j 00:52	13°♓32'54	0.28534 AU
morning rise	-162 Mar 11 j 05:59	10°♓55'06	
direct	-162 Mar 28 j 14:04	5°♓10'04	
greatest brilliancy	-162 Apr 09 j 02:06	7°♓33'49	-4.5m
desc. node	-162 Apr 22 j 17:01	15°♓09'40	
	-162 May 10 j 21:30	0°♈	
morning max el	-162 May 16 j 11:10	5°♈12'22	45°47'29
	-162 Jun 09 j 17:53	0°♉	
	-162 Jul 06 j 17:39	0°♊	
	-162 Aug 01 j 10:45	0°♋	
asc. node	-162 Aug 13 j 20:09	14°♋49'48	
	-162 Aug 26 j 08:24	0°♌	
	-162 Sep 19 j 16:46	0°♍	
	-162 Oct 13 j 16:58	0°♎	
	-162 Nov 06 j 13:24	0°♏	
morning set	-162 Nov 11 j 15:08	6°♏23'24	
	-162 Nov 30 j 09:05	0°♐	
desc. node	-162 Dec 03 j 10:03	3°♐49'36	
superior conj	-162 Dec 23 j 11:23	29°♐02'32	0°-45'-13
minimum elong	-162 Dec 23 j 00:45	28°♐29'10	0°44'47
	-162 Dec 24 j 05:41	0°♑	
max. Earth dist.	-162 Dec 26 j 22:48	3°♑24'20	1.71272 AU
	-161 Jan 17 j 04:13	0°♒	
evening rise	-161 Feb 02 j 15:17	20°♒32'28	
	-161 Feb 10 j 05:45	0°♓	
	-161 Mar 06 j 11:45	0°♈	
asc. node	-161 Mar 26 j 12:56	24°♈34'32	
	-161 Mar 30 j 23:46	0°♉	
	-161 Apr 24 j 19:34	0°♊	
	-161 May 20 j 01:48	0°♋	
	-161 Jun 15 j 00:12	0°♌	
	-161 Jul 12 j 05:09	0°♍	
desc. node	-161 Jul 16 j 02:41	4°♍06'17	
evening max el	-161 Jul 31 j 00:13	19°♍07'16	46°11'09
	-161 Aug 11 j 20:31	0°♎	
greatest brilliancy	-161 Sep 08 j 03:23	17°♎54'03	-4.6m
retrograde	-161 Sep 18 j 10:19	19°♎50'03	
evening set	-161 Oct 04 j 17:45	14°♎47'26	
inferior conj	-161 Oct 09 j 03:36	12°♎10'23	-6°-27'-36
minimum elong	-161 Oct 09 j 14:17	11°♎54'08	6°25'16
min. Earth dist.	-161 Oct 09 j 21:33	11°♎43'05	0.26853 AU
morning rise	-161 Oct 14 j 10:21	9°♎03'02	
direct	-161 Oct 29 j 18:18	4°♎25'51	
asc. node	-161 Nov 06 j 05:30	5°♎30'31	
greatest brilliancy	-161 Nov 12 j 00:40	7°♎40'49	-4.7m
	-161 Dec 11 j 12:01	0°♏	
morning max el	-161 Dec 19 j 12:02	7°♏55'05	46°55'16
	-160 Jan 09 j 02:28	0°♐	
	-160 Feb 04 j 07:34	0°♑	
desc. node	-160 Feb 25 j 19:30	25°♑20'32	
	-160 Feb 29 j 17:31	0°♒	
	-160 Mar 25 j 19:16	0°♓	
	-160 Apr 19 j 16:46	0°♈	
	-160 May 14 j 11:08	0°♉	
	-160 Jun 08 j 02:04	0°♊	
asc. node	-160 Jun 17 j 22:32	12°♊03'48	
morning set	-160 Jun 19 j 01:44	13°♊27'13	
	-160 Jul 02 j 12:49	0°♋	
max. Earth dist.	-160 Jul 21 j 12:24	23°♋27'04	1.72839 AU
superior conj	-160 Jul 25 j 09:43	28°♋16'14	1°13'26
minimum elong	-160 Jul 25 j 02:03	27°♋52'27	1°13'15
	-160 Jul 26 j 19:11	0°♌	
	-160 Aug 19 j 22:08	0°♍	
evening rise	-160 Aug 31 j 03:30	13°♍59'44	
	-160 Sep 12 j 23:19	0°♎	

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

	-160 Oct 07 j 00:23	0°♏	
desc. node	-160 Oct 07 j 12:23	0°♏37'24	
	-160 Oct 31 j 02:31	0°♐	
	-160 Nov 24 j 07:08	0°♑	
	-160 Dec 18 j 17:15	0°♒	
	-159 Jan 12 j 15:14	0°♓	
asc. node	-159 Jan 28 j 15:03	18°♓41'19	
	-159 Feb 07 j 14:25	0°♈	
evening max el	-159 Mar 06 j 13:31	28°♈30'13	45°45'58
	-159 Mar 08 j 02:28	0°♉	
greatest brilliancy	-159 Apr 09 j 20:08	25°♉14'18	-4.5m
retrograde	-159 Apr 24 j 13:11	29°♉02'31	
evening set	-159 May 09 j 18:43	24°♉33'58	
inferior conj	-159 May 16 j 00:52	20°♉48'40	0°58'19
minimum elong	-159 May 16 j 02:59	20°♉45'21	0°57'42
min. Earth dist.	-159 May 16 j 06:44	20°♉39'28	0.29004 AU
desc. node	-159 May 20 j 04:56	18°♉14'22	
morning rise	-159 May 22 j 11:05	16°♉56'38	
direct	-159 Jun 06 j 16:16	12°♉28'58	
greatest brilliancy	-159 Jun 20 j 12:11	15°♉47'36	-4.5m
	-159 Jul 11 j 20:11	0°♊	
morning max el	-159 Jul 25 j 15:24	12°♊25'59	45°55'25
	-159 Aug 11 j 22:11	0°♋	
	-159 Sep 07 j 20:07	0°♌	
asc. node	-159 Sep 10 j 07:58	2°♌53'39	
	-159 Oct 03 j 03:36	0°♍	
	-159 Oct 27 j 15:39	0°♎	
	-159 Nov 20 j 18:22	0°♏	
	-159 Dec 14 j 17:48	0°♐	
desc. node	-159 Dec 30 j 21:54	20°♐14'21	
	-158 Jan 07 j 17:13	0°♑	
morning set	-158 Jan 27 j 23:31	25°♑17'41	
	-158 Jan 31 j 18:06	0°♒	
	-158 Feb 24 j 21:09	0°♓	
superior conj	-158 Mar 08 j 18:46	14°♓45'03	-1°-21'-7
minimum elong	-158 Mar 09 j 00:48	15°♓03'45	1°21'03
max. Earth dist.	-158 Mar 11 j 23:39	18°♓42'55	1.72779 AU
	-158 Mar 21 j 02:50	0°♈	
	-158 Apr 14 j 11:26	0°♉	
evening rise	-158 Apr 15 j 20:54	1°♉42'45	
asc. node	-158 Apr 23 j 00:54	10°♉30'23	
	-158 May 08 j 22:57	0°♊	
	-158 Jun 02 j 13:26	0°♋	
	-158 Jun 27 j 07:34	0°♌	
	-158 Jul 22 j 07:23	0°♍	
desc. node	-158 Aug 12 j 14:27	25°♍12'35	
	-158 Aug 16 j 16:39	0°♎	
	-158 Sep 11 j 19:01	0°♏	
	-158 Oct 09 j 12:21	0°♐	
evening max el	-158 Oct 12 j 08:28	2°♐52'49	47°19'13
	-158 Nov 13 j 08:20	0°♑	
greatest brilliancy	-158 Nov 19 j 22:50	3°♑27'25	-4.7m
retrograde	-158 Dec 02 j 04:57	6°♑17'23	
asc. node	-158 Dec 03 j 17:27	6°♑14'29	
evening set	-158 Dec 16 j 23:22	1°♑53'43	
	-158 Dec 20 j 05:43	30°℞♐	
min. Earth dist.	-158 Dec 21 j 22:54	28°♐57'06	0.26708 AU
inferior conj	-158 Dec 22 j 19:55	28°♐24'45	4°40'24
minimum elong	-158 Dec 22 j 10:51	28°♐38'43	4°37'57
morning rise	-158 Dec 27 j 22:53	25°♐21'29	
direct	-157 Jan 12 j 04:27	20°♐44'28	
greatest brilliancy	-157 Jan 23 j 00:58	22°♐57'04	-4.6m
	-157 Feb 04 j 20:36	0°♑	
morning max el	-157 Mar 02 j 22:50	22°♑26'01	46°23'04
	-157 Mar 10 j 11:49	0°♒	
desc. node	-157 Mar 25 j 07:24	15°♒38'50	
	-157 Apr 07 j 08:27	0°♓	
	-157 May 03 j 16:27	0°♈	
	-157 May 29 j 07:14	0°♉	
	-157 Jun 23 j 10:40	0°♊	
asc. node	-157 Jul 16 j 10:19	27°♊51'15	
	-157 Jul 18 j 04:29	0°♋	
	-157 Aug 11 j 13:42	0°♌	
morning set	-157 Aug 27 j 18:12	20°♌07'10	
	-157 Sep 04 j 16:08	0°♍	
	-157 Sep 28 j 14:21	0°♎	
max. Earth dist.	-157 Oct 03 j 05:21	5°♎48'40	1.71320 AU
superior conj	-157 Oct 04 j 22:07	7°♎56'49	1°04'57
minimum elong	-157 Oct 05 j 08:33	8°♎29'37	1°04'37
	-157 Oct 22 j 10:55	0°♏	
desc. node	-157 Nov 05 j 00:22	17°♏03'02	
evening rise	-157 Nov 14 j 19:50	29°♏22'58	
	-157 Nov 15 j 07:38	0°♐	
	-157 Dec 09 j 05:35	0°♑	
	-156 Jan 02 j 06:04	0°♒	
	-156 Jan 26 j 11:20	0°♓	
	-156 Feb 20 j 01:12	0°♈	
asc. node	-156 Feb 26 j 03:02	7°♈19'08	
	-156 Mar 16 j 05:16	0°♉	
	-156 Apr 11 j 09:13	0°♊	
	-156 May 09 j 13:54	0°♋	
evening max el	-156 May 16 j 06:52	6°♋33'22	45°18'26
	-156 Jun 14 j 16:59	0°♌	
desc. node	-156 Jun 16 j 16:57	1°♌06'01	
greatest brilliancy	-156 Jun 21 j 01:15	3°♌09'51	-4.5m
retrograde	-156 Jul 03 j 18:20	5°♌58'47	
evening set	-156 Jul 20 j 09:14	0°♌47'12	
	-156 Jul 21 j 17:33	30°℞♋	
inferior conj	-156 Jul 25 j 01:29	27°♋58'05	-7°-31'-13
minimum elong	-156 Jul 24 j 16:33	28°♋11'54	7°29'54
min. Earth dist.	-156 Jul 25 j 07:51	27°♋48'15	0.28528 AU
morning rise	-156 Jul 28 j 23:38	25°♋34'50	
direct	-156 Aug 15 j 13:58	19°♋47'34	
greatest brilliancy	-156 Aug 29 j 23:22	23°♋28'15	-4.6m
	-156 Sep 09 j 19:06	0°♌	
morning max el	-156 Oct 04 j 17:58	21°♌56'49	46°35'33
asc. node	-156 Oct 07 j 19:50	25°♌04'19	
	-156 Oct 12 j 13:26	0°♍	
	-156 Nov 08 j 10:07	0°♎	
	-156 Dec 03 j 15:45	0°♏	
	-156 Dec 28 j 06:42	0°♐	
	-155 Jan 21 j 16:32	0°♑	
desc. node	-155 Jan 27 j 09:41	7°♑02'18	
	-155 Feb 15 j 01:10	0°♒	
	-155 Mar 11 j 10:10	0°♓	
	-155 Apr 04 j 20:03	0°♈	
morning set	-155 Apr 10 j 07:05	6°♈42'09	
	-155 Apr 29 j 06:39	0°♉	
max. Earth dist.	-155 May 16 j 10:24	21°♉03'12	1.73662 AU
superior conj	-155 May 17 j 00:32	21°♉46'35	0°-8'-18
minimum elong	-155 May 17 j 02:14	21°♉51'47	0°08'14
behind sun begin	-155 May 16 j 06:50	20°♉52'15	
behind sun end	-155 May 17 j 21:37	22°♉51'18	
asc. node	-155 May 20 j 12:45	26°♉05'04	
	-155 May 23 j 17:16	0°♊	
	-155 Jun 17 j 03:06	0°♋	
evening rise	-155 Jun 21 j 22:25	5°♋54'46	
	-155 Jul 11 j 11:56	0°♌	
	-155 Aug 04 j 20:37	0°♍	
	-155 Aug 29 j 06:39	0°♎	
desc. node	-155 Sep 09 j 02:33	13°♎15'38	

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

	-155 Sep 22 j 19:41	0°♏		
	-155 Oct 17 j 14:00	0°♐		
	-155 Nov 11 j 18:51	0°♑		
	-155 Dec 08 j 01:20	0°♒		
evening max el	-155 Dec 23 j 03:56	16°♒03'50	47°02'00	
asc. node	-155 Dec 31 j 05:16	24°♒01'40		
	-154 Jan 06 j 16:43	0°♓		
greatest brilliancy	-154 Jan 28 j 17:57	15°♓44'38	-4.6m	
retrograde	-154 Feb 11 j 20:06	19°♓22'18		
evening set	-154 Mar 01 j 16:00	13°♓11'53		
min. Earth dist.	-154 Mar 04 j 15:49	11°♓18'57	0.28488 AU	
inferior conj	-154 Mar 05 j 00:27	11°♓05'12	8°18'48	
minimum elong	-154 Mar 05 j 05:11	10°♓57'39	8°18'27	
morning rise	-154 Mar 08 j 18:39	8°♓44'16		
direct	-154 Mar 26 j 04:51	2°♓55'55		
greatest brilliancy	-154 Apr 06 j 15:02	5°♓17'26	-4.5m	
desc. node	-154 Apr 21 j 19:09	13°♓58'02		
	-154 May 10 j 22:17	0°♈		
morning max el	-154 May 14 j 01:23	2°♈57'20	45°48'03	
	-154 Jun 09 j 10:15	0°♉		
	-154 Jul 06 j 07:15	0°♊		
	-154 Jul 31 j 23:04	0°♋		
asc. node	-154 Aug 12 j 22:07	14°♋19'43		
	-154 Aug 25 j 20:04	0°♌		
	-154 Sep 19 j 04:05	0°♍		
	-154 Oct 13 j 04:08	0°♎		
	-154 Nov 06 j 00:29	0°♏		
morning set	-154 Nov 09 j 02:19	3°♏52'31		
	-154 Nov 29 j 20:08	0°♐		
desc. node	-154 Dec 02 j 12:07	3°♐21'21		
superior conj	-154 Dec 20 j 21:07	26°♐27'48	0°-41'-47	
minimum elong	-154 Dec 20 j 11:01	25°♐56'07	0°41'22	
	-154 Dec 23 j 16:43	0°♑		
max. Earth dist.	-154 Dec 24 j 03:34	0°♑34'06	1.71239 AU	
	-153 Jan 16 j 15:14	0°♒		
evening rise	-153 Jan 31 j 02:47	18°♒04'23		
	-153 Feb 09 j 16:49	0°♓		
	-153 Mar 05 j 22:54	0°♈		
asc. node	-153 Mar 25 j 15:04	24°♈06'38		
	-153 Mar 30 j 11:08	0°♉		
	-153 Apr 24 j 07:22	0°♊		
	-153 May 19 j 14:29	0°♋		
	-153 Jun 14 j 14:35	0°♌		
	-153 Jul 11 j 23:22	0°♍		
desc. node	-153 Jul 15 j 04:38	3°♍21'54		
evening max el	-153 Jul 28 j 12:18	16°♍43'43	46°08'31	
	-153 Aug 12 j 04:29	0°♎		
greatest brilliancy	-153 Sep 05 j 15:38	15°♎29'00	-4.6m	
retrograde	-153 Sep 15 j 22:15	17°♎25'08		
evening set	-153 Oct 02 j 09:31	12°♎17'12		
inferior conj	-153 Oct 06 j 16:14	9°♎44'54	-6°-43'-21	
minimum elong	-153 Oct 07 j 02:53	9°♎28'44	6°41'08	
min. Earth dist.	-153 Oct 07 j 11:04	9°♎16'18	0.26910 AU	
morning rise	-153 Oct 11 j 19:43	6°♎42'12		
direct	-153 Oct 27 j 07:15	1°♎59'08		
asc. node	-153 Nov 05 j 07:33	3°♎32'22		
greatest brilliancy	-153 Nov 09 j 17:04	5°♎18'02	-4.7m	
	-153 Dec 11 j 13:46	0°♏		
morning max el	-153 Dec 17 j 01:39	5°♏29'39	46°55'43	
	-152 Jan 08 j 19:40	0°♐		
	-152 Feb 03 j 21:52	0°♑		
desc. node	-152 Feb 24 j 21:38	24°♑48'05		
	-152 Feb 29 j 06:22	0°♒		
	-152 Mar 25 j 07:16	0°♓		
	-152 Apr 19 j 04:12	0°♈		
	-152 May 13 j 22:11	0°♉		
	-152 Jun 07 j 12:52	0°♊		
morning set	-152 Jun 16 j 19:53	11°♊22'42		
asc. node	-152 Jun 17 j 00:31	11°♊36'56		
	-152 Jul 01 j 23:29	0°♋		
max. Earth dist.	-152 Jul 19 j 09:23	21°♋30'18	1.72890 AU	
superior conj	-152 Jul 23 j 03:25	26°♋09'11	1°11'47	
minimum elong	-152 Jul 22 j 19:27	25°♋44'28	1°11'36	
	-152 Jul 26 j 05:53	0°♌		
	-152 Aug 19 j 08:57	0°♍		
evening rise	-152 Aug 28 j 18:55	11°♍44'14		
	-152 Sep 12 j 10:20	0°♎		
	-152 Oct 06 j 11:37	0°♏		
desc. node	-152 Oct 06 j 14:31	0°♏09'05		
	-152 Oct 30 j 14:01	0°♐		
	-152 Nov 23 j 19:00	0°♑		
	-152 Dec 18 j 05:39	0°♒		
	-151 Jan 12 j 04:38	0°♓		
asc. node	-151 Jan 27 j 17:07	18°♓05'35		
	-151 Feb 07 j 06:04	0°♈		
evening max el	-151 Mar 04 j 05:09	26°♈18'20	45°48'08	
	-151 Mar 08 j 01:07	0°♉		
greatest brilliancy	-151 Apr 07 j 11:17	23°♉04'32	-4.5m	
retrograde	-151 Apr 22 j 06:17	26°♉54'53		
evening set	-151 May 07 j 12:30	22°♉24'06		
inferior conj	-151 May 13 j 17:23	18°♉40'26	1°17'47	
minimum elong	-151 May 13 j 20:12	18°♉36'01	1°16'58	
min. Earth dist.	-151 May 13 j 23:08	18°♉31'25	0.29009 AU	
desc. node	-151 May 19 j 06:58	15°♉17'32		
morning rise	-151 May 20 j 03:47	14°♉48'26		
direct	-151 Jun 04 j 08:56	10°♉20'36		
greatest brilliancy	-151 Jun 18 j 04:11	13°♉39'11	-4.5m	
	-151 Jul 12 j 01:21	0°♊		
morning max el	-151 Jul 23 j 08:16	10°♊18'16	45°54'25	
	-151 Aug 11 j 15:16	0°♋		
	-151 Sep 07 j 10:01	0°♌		
asc. node	-151 Sep 09 j 10:10	2°♌20'04		
	-151 Oct 02 j 16:10	0°♍		
	-151 Oct 27 j 03:32	0°♎		
	-151 Nov 20 j 05:52	0°♏		
	-151 Dec 14 j 05:03	0°♐		
desc. node	-151 Dec 29 j 23:53	19°♐45'40		
	-150 Jan 07 j 04:17	0°♑		
morning set	-150 Jan 25 j 10:39	22°♑48'42		
	-150 Jan 31 j 05:00	0°♒		
	-150 Feb 24 j 07:54	0°♓		
superior conj	-150 Mar 06 j 09:19	12°♓28'22	-1°-22'-8	
minimum elong	-150 Mar 06 j 14:42	12°♓45'02	1°22'06	
max. Earth dist.	-150 Mar 09 j 16:35	16°♓33'43	1.72729 AU	
	-150 Mar 20 j 13:29	0°♈		
evening rise	-150 Apr 13 j 13:53	29°♈34'45		
	-150 Apr 13 j 22:06	0°♉		
asc. node	-150 Apr 22 j 02:58	10°♉03'53		
	-150 May 08 j 09:46	0°♊		
	-150 Jun 02 j 00:33	0°♋		
	-150 Jun 26 j 19:12	0°♌		
	-150 Jul 21 j 19:48	0°♍		
desc. node	-150 Aug 11 j 16:36	24°♍39'24		
	-150 Aug 16 j 06:24	0°♎		
	-150 Sep 11 j 11:16	0°♏		
	-150 Oct 09 j 10:47	0°♐		
evening max el	-150 Oct 09 j 23:31	0°♐32'01	47°17'56	
	-150 Nov 15 j 08:50	0°♑		
greatest brilliancy	-150 Nov 17 j 13:15	1°♑00'45	-4.7m	
retrograde	-150 Nov 29 j 18:33	3°♑48'57		
asc. node	-150 Dec 02 j 19:27	3°♑37'24		

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

	-150 Dec 13 j 10:57	30°R♐	
evening set	-150 Dec 14 j 10:07	29°♐28'53	
min. Earth dist.	-150 Dec 19 j 12:06	26°♐28'47	0.26656 AU
inferior conj	-150 Dec 20 j 08:33	25°♐57'20	4°19'56
minimum elong	-150 Dec 19 j 23:55	26°♐10'37	4°17'32
morning rise	-150 Dec 25 j 14:20	22°♐50'30	
direct	-149 Jan 09 j 17:24	18°♐18'04	
greatest brilliancy	-149 Jan 20 j 13:32	20°♐30'52	-4.6m
	-149 Feb 05 j 17:58	0°♑	
morning max el	-149 Feb 28 j 12:45	20°♑05'58	46°24'37
	-149 Mar 10 j 07:52	0°♒	
desc. node	-149 Mar 24 j 09:31	14°♒58'46	
	-149 Apr 06 j 23:31	0°♓	
	-149 May 03 j 05:26	0°♈	
	-149 May 28 j 19:08	0°♉	
	-149 Jun 22 j 21:59	0°♊	
asc. node	-149 Jul 15 j 12:22	27°♊23'54	
	-149 Jul 17 j 15:28	0°♋	
	-149 Aug 11 j 00:32	0°♌	
morning set	-149 Aug 25 j 09:49	17°♌52'41	
	-149 Sep 04 j 02:54	0°♍	
	-149 Sep 28 j 01:09	0°♎	
max. Earth dist.	-149 Sep 30 j 11:57	3°♎04'39	1.71357 AU
superior conj	-149 Oct 02 j 11:01	5°♎32'30	1°07'15
minimum elong	-149 Oct 02 j 21:11	6°♎04'26	1°06'56
	-149 Oct 21 j 21:49	0°♏	
desc. node	-149 Nov 04 j 02:22	16°♏34'55	
evening rise	-149 Nov 12 j 05:37	26°♏48'20	
	-149 Nov 14 j 18:38	0°♐	
	-149 Dec 08 j 16:43	0°♑	
	-148 Jan 01 j 17:20	0°♒	
	-148 Jan 25 j 22:50	0°♓	
	-148 Feb 19 j 13:09	0°♈	
asc. node	-148 Feb 25 j 05:12	6°♈49'23	
	-148 Mar 15 j 18:08	0°♉	
	-148 Apr 11 j 00:05	0°♊	
	-148 May 09 j 10:15	0°♋	
evening max el	-148 May 13 j 21:57	4°♋21'21	45°17'54
desc. node	-148 Jun 15 j 18:53	29°♋38'45	
	-148 Jun 16 j 12:25	0°♌	
greatest brilliancy	-148 Jun 18 j 14:49	0°♌56'33	-4.5m
retrograde	-148 Jul 01 j 08:38	3°♌46'38	
	-148 Jul 15 j 10:00	30°R♋	
evening set	-148 Jul 17 j 21:02	28°♋39'48	
inferior conj	-148 Jul 22 j 16:46	25°♋45'31	-7°-20'-7
minimum elong	-148 Jul 22 j 07:30	25°♋59'53	7°18'40
min. Earth dist.	-148 Jul 22 j 22:54	25°♋36'02	0.28563 AU
morning rise	-148 Jul 26 j 17:42	23°♋17'52	
direct	-148 Aug 13 j 05:29	17°♋34'27	
greatest brilliancy	-148 Aug 27 j 14:31	21°♋13'44	-4.6m
	-148 Sep 10 j 11:38	0°♌	
morning max el	-148 Oct 02 j 07:18	19°♌34'43	46°34'09
asc. node	-148 Oct 06 j 21:51	24°♌16'24	
	-148 Oct 12 j 08:37	0°♍	
	-148 Nov 08 j 01:06	0°♎	
	-148 Dec 03 j 05:03	0°♏	
	-148 Dec 27 j 19:06	0°♐	
	-147 Jan 21 j 04:20	0°♑	
desc. node	-147 Jan 26 j 11:49	6°♑32'49	
	-147 Feb 14 j 12:33	0°♒	
	-147 Mar 10 j 21:14	0°♓	
	-147 Apr 04 j 06:53	0°♈	
morning set	-147 Apr 08 j 00:01	4°♈33'42	
	-147 Apr 28 j 17:20	0°♉	
superior conj	-147 May 14 j 18:52	19°♉42'57	0°-11'-25
minimum elong	-147 May 14 j 21:11	19°♉50'04	0°11'19
behind sun begin	-147 May 14 j 05:16	19°♉01'14	
behind sun end	-147 May 15 j 13:05	20°♉38'54	
max. Earth dist.	-147 May 14 j 07:00	19°♉06'32	1.73656 AU
asc. node	-147 May 19 j 14:45	25°♉38'39	
	-147 May 23 j 03:54	0°♊	
	-147 Jun 16 j 13:46	0°♋	
evening rise	-147 Jun 19 j 17:40	3°♋53'24	
	-147 Jul 10 j 22:48	0°♌	
	-147 Aug 04 j 07:49	0°♍	
	-147 Aug 28 j 18:20	0°♎	
desc. node	-147 Sep 08 j 04:39	12°♎45'38	
	-147 Sep 22 j 08:00	0°♏	
	-147 Oct 17 j 03:13	0°♐	
	-147 Nov 11 j 09:35	0°♑	
	-147 Dec 07 j 19:22	0°♒	
evening max el	-147 Dec 20 j 17:42	13°♒41'06	47°04'07
asc. node	-147 Dec 30 j 07:21	23°♒05'52	
	-146 Jan 06 j 23:14	0°♓	
greatest brilliancy	-146 Jan 26 j 11:35	13°♓31'05	-4.6m
retrograde	-146 Feb 09 j 11:29	17°♓07'07	
evening set	-146 Feb 27 j 09:01	10°♓55'00	
inferior conj	-146 Mar 02 j 16:08	8°♓50'30	8°23'59
minimum elong	-146 Mar 02 j 20:10	8°♓44'05	8°23'44
min. Earth dist.	-146 Mar 02 j 06:50	9°♓05'17	0.28442 AU
morning rise	-146 Mar 06 j 07:31	6°♓33'43	
direct	-146 Mar 23 j 19:19	0°♓41'54	
greatest brilliancy	-146 Apr 04 j 05:02	3°♓02'34	-4.5m
desc. node	-146 Apr 20 j 21:09	12°♓48'31	
	-146 May 10 j 21:46	0°♈	
morning max el	-146 May 11 j 15:51	0°♈43'05	45°48'46
	-146 Jun 09 j 02:12	0°♉	
	-146 Jul 05 j 20:37	0°♊	
	-146 Jul 31 j 11:13	0°♋	
asc. node	-146 Aug 12 j 00:21	13°♋50'46	
	-146 Aug 25 j 07:37	0°♌	
	-146 Sep 18 j 15:22	0°♍	
	-146 Oct 12 j 15:18	0°♎	
	-146 Nov 05 j 11:38	0°♏	
morning set	-146 Nov 06 j 13:13	1°♏20'36	
	-146 Nov 29 j 07:14	0°♐	
desc. node	-146 Dec 01 j 14:08	2°♐52'49	
superior conj	-146 Dec 18 j 06:23	23°♐51'26	0°-38'-13
minimum elong	-146 Dec 17 j 20:55	23°♐21'43	0°37'49
max. Earth dist.	-146 Dec 21 j 06:40	27°♐38'28	1.71205 AU
	-146 Dec 23 j 03:46	0°♑	
	-145 Jan 16 j 02:16	0°♒	
evening rise	-145 Jan 28 j 14:00	15°♒35'26	
	-145 Feb 09 j 03:52	0°♓	
	-145 Mar 05 j 10:02	0°♈	
asc. node	-145 Mar 24 j 17:07	23°♈38'24	
	-145 Mar 29 j 22:31	0°♉	
	-145 Apr 23 j 19:14	0°♊	
	-145 May 19 j 03:16	0°♋	
	-145 Jun 14 j 05:09	0°♌	
	-145 Jul 11 j 18:02	0°♍	
desc. node	-145 Jul 14 j 06:49	2°♍37'30	
evening max el	-145 Jul 26 j 00:56	14°♍21'46	46°05'56
	-145 Aug 12 j 15:15	0°♎	
greatest brilliancy	-145 Sep 03 j 02:34	13°♎02'47	-4.6m
retrograde	-145 Sep 13 j 10:45	15°♎00'14	
evening set	-145 Sep 30 j 01:14	9°♎46'51	
inferior conj	-145 Oct 04 j 04:49	7°♎19'06	-6°-58'-9
minimum elong	-145 Oct 04 j 15:19	7°♎03'09	6°56'05
min. Earth dist.	-145 Oct 05 j 00:03	6°♎49'55	0.26974 AU
morning rise	-145 Oct 09 j 04:56	4°♎21'21	

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

	-145 Oct 20 j 02:57	30°℞♍		
direct	-145 Oct 24 j 20:44	29°♍32'07		
	-145 Oct 29 j 16:58	0°♎		
asc. node	-145 Nov 04 j 09:36	1°♎38'20		
greatest brilliancy	-145 Nov 07 j 09:06	2°♎54'26	-4.7m	
	-145 Dec 11 j 14:32	0°♏		
morning max el	-145 Dec 14 j 16:11	3°♏05'51	46°56'01	
	-144 Jan 08 j 12:48	0°♐		
	-144 Feb 03 j 12:15	0°♑		
desc. node	-144 Feb 23 j 23:48	24°♑15'19		
	-144 Feb 28 j 19:19	0°♒		
	-144 Mar 24 j 19:21	0°♓		
	-144 Apr 18 j 15:43	0°♈		
	-144 May 13 j 09:20	0°♉		
	-144 Jun 06 j 23:47	0°♊		
morning set	-144 Jun 14 j 14:15	9°♊18'31		
asc. node	-144 Jul 16 j 02:38	11°♊10'02		
	-144 Jul 01 j 10:19	0°♋		
max. Earth dist.	-144 Jul 17 j 06:11	19°♋32'34	1.72936 AU	
superior conj	-144 Jul 20 j 21:27	24°♋02'44	1°10'03	
minimum elong	-144 Jul 20 j 13:14	23°♋37'18	1°09'51	
	-144 Jul 25 j 16:44	0°♌		
	-144 Aug 18 j 19:54	0°♍		
evening rise	-144 Aug 26 j 10:47	9°♍29'46		
	-144 Sep 11 j 21:28	0°♎		
desc. node	-144 Oct 05 j 16:31	29°♎39'49		
	-144 Oct 05 j 23:00	0°♏		
	-144 Oct 30 j 01:44	0°♐		
	-144 Nov 23 j 07:09	0°♑		
	-144 Dec 17 j 18:25	0°♒		
	-143 Jan 11 j 18:29	0°♓		
asc. node	-143 Jan 26 j 19:18	17°♓28'57		
	-143 Feb 06 j 22:19	0°♈		
evening max el	-143 Mar 01 j 21:26	24°♈07'08	45°50'32	
	-143 Mar 08 j 01:08	0°♉		
greatest brilliancy	-143 Apr 05 j 03:44	20°♉55'50	-4.5m	
retrograde	-143 Apr 19 j 23:32	24°♉46'35		
evening set	-143 May 05 j 06:33	20°♉13'43		
inferior conj	-143 May 11 j 09:57	16°♉31'37	1°37'02	
minimum elong	-143 May 11 j 13:27	16°♉26'08	1°36'02	
min. Earth dist.	-143 May 11 j 15:20	16°♉23'10	0.29010 AU	
morning rise	-143 May 17 j 20:22	12°♉39'46		
desc. node	-143 May 18 j 09:02	12°♉22'36		
direct	-143 Jun 02 j 01:55	8°♉11'52		
greatest brilliancy	-143 Jun 15 j 19:11	11°♉28'58	-4.5m	
	-143 Jul 12 j 05:00	0°♊		
morning max el	-143 Jul 21 j 01:09	8°♊09'59	45°53'27	
	-143 Aug 11 j 08:16	0°♋		
	-143 Sep 07 j 00:01	0°♌		
asc. node	-143 Sep 08 j 12:09	1°♌45'19		
	-143 Oct 02 j 04:53	0°♍		
	-143 Oct 26 j 15:37	0°♎		
	-143 Nov 19 j 17:35	0°♏		
	-143 Dec 13 j 16:34	0°♐		
desc. node	-143 Dec 29 j 02:03	19°♐16'43		
	-142 Jan 06 j 15:39	0°♑		
morning set	-142 Jan 22 j 21:28	20°♑17'34		
	-142 Jan 30 j 16:14	0°♒		
	-142 Feb 23 j 19:00	0°♓		
superior conj	-142 Mar 03 j 23:22	10°♓08'54	-1°-23'-2	
minimum elong	-142 Mar 04 j 04:02	10°♓23'22	1°23'00	
max. Earth dist.	-142 Mar 07 j 10:13	14°♓25'31	1.72676 AU	
	-142 Mar 20 j 00:30	0°♈		
evening rise	-142 Apr 11 j 06:28	27°♈24'24		
	-142 Apr 13 j 09:07	0°♉		
asc. node	-142 Apr 21 j 04:57	9°♉36'08		
	-142 May 07 j 20:56	0°♊		
	-142 Jun 01 j 12:01	0°♋		
	-142 Jun 26 j 07:10	0°♌		
	-142 Jul 21 j 08:36	0°♍		
desc. node	-142 Aug 10 j 18:43	24°♍04'59		
	-142 Aug 15 j 20:36	0°♎		
	-142 Sep 11 j 04:07	0°♏		
evening max el	-142 Oct 07 j 14:29	28°♏10'24	47°16'33	
	-142 Oct 09 j 10:26	0°♐		
greatest brilliancy	-142 Nov 15 j 04:30	28°♐34'42	-4.7m	
	-142 Nov 19 j 00:28	0°♑		
retrograde	-142 Nov 27 j 07:49	1°♑20'02		
asc. node	-142 Dec 01 j 21:31	0°♑53'56		
	-142 Dec 05 j 07:45	30°℞♐		
evening set	-142 Dec 11 j 21:16	27°♐03'28		
min. Earth dist.	-142 Dec 17 j 01:44	23°♐59'46	0.26608 AU	
inferior conj	-142 Dec 17 j 21:19	23°♐29'36	3°59'05	
minimum elong	-142 Dec 17 j 13:11	23°♐42'06	3°56'44	
morning rise	-142 Dec 23 j 05:47	20°♐19'08		
direct	-141 Jan 07 j 06:17	15°♐51'21		
greatest brilliancy	-141 Jan 18 j 02:34	18°♐04'20	-4.6m	
	-141 Feb 06 j 10:14	0°♑		
morning max el	-141 Feb 26 j 01:51	17°♑42'36	46°25'58	
	-141 Mar 10 j 03:43	0°♒		
desc. node	-141 Mar 23 j 11:30	14°♒17'31		
	-141 Apr 06 j 14:49	0°♓		
	-141 May 02 j 18:44	0°♈		
	-141 May 28 j 07:23	0°♉		
	-141 Jun 22 j 09:37	0°♊		
asc. node	-141 Jul 14 j 14:31	26°♊55'57		
	-141 Jul 17 j 02:46	0°♋		
	-141 Aug 10 j 11:40	0°♌		
morning set	-141 Aug 23 j 01:33	15°♌37'37		
	-141 Sep 03 j 14:00	0°♍		
	-141 Sep 27 j 12:18	0°♎		
max. Earth dist.	-141 Sep 27 j 18:14	0°♎18'40	1.71397 AU	
superior conj	-141 Sep 30 j 00:19	3°♎08'31	1°09'24	
minimum elong	-141 Sep 30 j 10:09	3°♎39'24	1°09'08	
	-141 Oct 21 j 09:02	0°♏		
desc. node	-141 Nov 03 j 04:25	16°♏06'00		
evening rise	-141 Nov 09 j 15:47	24°♏14'00		
	-141 Nov 14 j 05:57	0°♐		
	-141 Dec 08 j 04:08	0°♑		
	-140 Jan 01 j 04:52	0°♒		
	-140 Jan 25 j 10:39	0°♓		
	-140 Feb 19 j 01:29	0°♈		
asc. node	-140 Feb 24 j 07:11	6°♈17'55		
	-140 Mar 15 j 07:28	0°♉		
	-140 Apr 10 j 15:35	0°♊		
	-140 May 09 j 07:47	0°♋		
evening max el	-140 May 11 j 12:29	2°♋06'54	45°17'36	
desc. node	-140 Jun 14 j 21:04	28°♋07'51		
greatest brilliancy	-140 Jun 16 j 03:57	28°♋41'54	-4.5m	
	-140 Jun 19 j 15:15	0°♌		
retrograde	-140 Jun 28 j 23:14	1°♌34'13		
	-140 Jul 07 j 22:49	30°℞♋		
evening set	-140 Jul 15 j 09:03	26°♋31'41		
inferior conj	-140 Jul 20 j 08:14	23°♋32'35	-7°-8'-29	
minimum elong	-140 Jul 19 j 22:40	23°♋47'24	7°06'53	
min. Earth dist.	-140 Jul 20 j 14:15	23°♋23'17	0.28597 AU	
morning rise	-140 Jul 24 j 11:57	21°♋00'39		
direct	-140 Aug 10 j 20:48	15°♋20'51		
greatest brilliancy	-140 Aug 25 j 06:45	19°♋00'09	-4.6m	
	-140 Sep 11 j 00:18	0°♌		
morning max el	-140 Sep 29 j 20:54	17°♌12'38	46°32'44	

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

asc. node	-140 Oct 05 j 23:54	23°♌28'30	
	-140 Oct 12 j 03:36	0°♍	
	-140 Nov 07 j 16:13	0°♎	
	-140 Dec 02 j 18:33	0°♏	
	-140 Dec 27 j 07:42	0°♐	
	-139 Jan 20 j 16:21	0°♑	
desc. node	-139 Jan 25 j 13:56	6°♑02'34	
	-139 Feb 14 j 00:08	0°♒	
	-139 Mar 10 j 08:31	0°♓	
	-139 Apr 03 j 17:58	0°♈	
morning set	-139 Apr 05 j 16:54	2°♈24'12	
	-139 Apr 28 j 04:18	0°♉	
max. Earth dist.	-139 May 12 j 02:18	17°♉04'59	1.73652 AU
superior conj	-139 May 12 j 13:08	17°♉38'14	0°-14'-30
minimum elong	-139 May 12 j 16:05	17°♉47'17	0°14'23
behind sun begin	-139 May 12 j 06:36	17°♉18'12	
behind sun end	-139 May 13 j 01:33	18°♉16'22	
asc. node	-139 May 18 j 16:55	25°♉11'45	
	-139 May 22 j 14:49	0°♊	
	-139 Jun 16 j 00:45	0°♋	
evening rise	-139 Jun 17 j 12:51	1°♋50'59	
	-139 Jul 10 j 09:58	0°♌	
	-139 Aug 03 j 19:19	0°♍	
	-139 Aug 28 j 06:18	0°♎	
desc. node	-139 Sep 07 j 06:37	12°♎14'25	
	-139 Sep 21 j 20:38	0°♏	
	-139 Oct 16 j 16:47	0°♐	
	-139 Nov 11 j 00:46	0°♑	
	-139 Dec 07 j 14:07	0°♒	
evening max el	-139 Dec 18 j 07:34	11°♒17'51	47°06'16
asc. node	-139 Dec 29 j 09:33	22°♒08'26	
	-138 Jan 07 j 08:33	0°♓	
greatest brilliancy	-138 Jan 24 j 04:21	11°♓15'44	-4.6m
retrograde	-138 Feb 07 j 03:18	14°♓51'38	
evening set	-138 Feb 25 j 01:48	8°♓38'00	
inferior conj	-138 Feb 28 j 07:51	6°♓35'20	8°28'24
minimum elong	-138 Feb 28 j 11:10	6°♓30'06	8°28'14
min. Earth dist.	-138 Feb 27 j 21:43	6°♓51'27	0.28396 AU
morning rise	-138 Mar 03 j 20:43	4°♓22'35	
	-138 Mar 12 j 15:55	30°℞♒	
direct	-138 Mar 21 j 09:49	28°♒27'23	
	-138 Mar 30 j 13:47	0°♓	
greatest brilliancy	-138 Apr 01 j 19:24	0°♓47'52	-4.5m
desc. node	-138 Apr 19 j 23:15	11°♓40'40	
morning max el	-138 May 09 j 07:00	28°♓30'03	45°49'28
	-138 May 10 j 20:26	0°♈	
	-138 Jun 08 j 18:06	0°♉	
	-138 Jul 05 j 10:06	0°♊	
	-138 Jul 30 j 23:33	0°♋	
asc. node	-138 Aug 11 j 02:21	13°♋20'28	
	-138 Aug 24 j 19:21	0°♌	
	-138 Sep 18 j 02:48	0°♍	
	-138 Oct 12 j 02:37	0°♎	
morning set	-138 Nov 04 j 00:18	28°♎48'53	
	-138 Nov 04 j 22:53	0°♏	
	-138 Nov 28 j 18:28	0°♐	
desc. node	-138 Nov 30 j 16:17	2°♐24'12	
superior conj	-138 Dec 15 j 15:37	21°♐14'20	0°-34'-34
minimum elong	-138 Dec 15 j 06:52	20°♐46'50	0°34'11
max. Earth dist.	-138 Dec 18 j 10:37	24°♐44'52	1.71177 AU
	-138 Dec 22 j 14:59	0°♑	
	-137 Jan 15 j 13:28	0°♒	
evening rise	-137 Jan 26 j 01:16	13°♒06'04	
	-137 Feb 08 j 15:04	0°♓	
	-137 Mar 04 j 21:19	0°♈	
asc. node	-137 Mar 23 j 19:10	23°♈09'52	
	-137 Mar 29 j 10:00	0°♉	
	-137 Apr 23 j 07:13	0°♊	
	-137 May 18 j 16:13	0°♋	
	-137 Jun 13 j 20:02	0°♌	
	-137 Jul 11 j 13:22	0°♍	
desc. node	-137 Jul 13 j 08:54	1°♍51'46	
evening max el	-137 Jul 23 j 14:45	12°♍02'35	46°03'23
	-137 Aug 13 j 05:47	0°♎	
greatest brilliancy	-137 Aug 31 j 13:21	10°♎36'43	-4.6m
retrograde	-137 Sep 10 j 23:45	12°♎35'35	
evening set	-137 Sep 27 j 17:07	7°♎17'04	
inferior conj	-137 Oct 01 j 17:34	4°♎53'40	-7°-12'-3
minimum elong	-137 Oct 02 j 03:51	4°♎38'05	7°10'09
min. Earth dist.	-137 Oct 02 j 12:47	4°♎24'32	0.27036 AU
morning rise	-137 Oct 06 j 14:11	2°♎01'02	
	-137 Oct 10 j 11:40	30°℞♍	
direct	-137 Oct 22 j 10:45	27°♍05'50	
asc. node	-137 Nov 03 j 11:44	29°♍49'04	
	-137 Nov 03 j 21:49	0°♎	
greatest brilliancy	-137 Nov 05 j 00:07	0°♎29'57	-4.7m
	-137 Dec 11 j 14:08	0°♏	
morning max el	-137 Dec 12 j 07:02	0°♏42'59	46°56'04
	-136 Jan 08 j 05:37	0°♐	
	-136 Feb 03 j 02:30	0°♑	
desc. node	-136 Feb 23 j 01:42	23°♑41'48	
	-136 Feb 28 j 08:14	0°♒	
	-136 Mar 24 j 07:26	0°♓	
	-136 Apr 18 j 03:13	0°♈	
	-136 May 12 j 20:26	0°♉	
	-136 Jun 06 j 10:40	0°♊	
morning set	-136 Jun 12 j 08:50	7°♊15'07	
asc. node	-136 Jun 15 j 04:47	10°♊43'20	
	-136 Jun 30 j 21:08	0°♋	
max. Earth dist.	-136 Jul 15 j 02:04	17°♋32'06	1.72985 AU
superior conj	-136 Jul 18 j 15:33	21°♋56'35	1°08'14
minimum elong	-136 Jul 18 j 07:09	21°♋30'36	1°08'00
	-136 Jul 25 j 03:35	0°♌	
	-136 Aug 18 j 06:54	0°♍	
evening rise	-136 Aug 24 j 02:39	7°♍15'14	
	-136 Sep 11 j 08:38	0°♎	
desc. node	-136 Oct 04 j 18:36	29°♎10'48	
	-136 Oct 05 j 10:25	0°♏	
	-136 Oct 29 j 13:27	0°♐	
	-136 Nov 22 j 19:17	0°♑	
	-136 Dec 17 j 07:12	0°♒	
	-135 Jan 11 j 08:24	0°♓	
asc. node	-135 Jan 25 j 21:16	16°♓51'24	
	-135 Feb 06 j 14:50	0°♈	
evening max el	-135 Feb 27 j 13:53	21°♈56'13	45°52'52
	-135 Mar 08 j 02:21	0°♉	
greatest brilliancy	-135 Apr 02 j 21:15	18°♉48'31	-4.5m
retrograde	-135 Apr 17 j 16:28	22°♉38'10	
evening set	-135 May 03 j 00:43	18°♉03'25	
inferior conj	-135 May 09 j 02:30	14°♉23'02	1°56'09
minimum elong	-135 May 09 j 06:39	14°♉16'32	1°54'59
min. Earth dist.	-135 May 09 j 07:39	14°♉14'57	0.29006 AU
morning rise	-135 May 15 j 12:42	10°♉31'21	
desc. node	-135 May 17 j 11:08	9°♉30'34	
direct	-135 May 30 j 18:48	6°♉03'35	
greatest brilliancy	-135 Jun 13 j 08:54	9°♉17'33	-4.5m
	-135 Jul 12 j 06:53	0°♊	
morning max el	-135 Jul 18 j 17:08	6°♊00'08	45°52'26
	-135 Aug 11 j 00:48	0°♋	
	-135 Sep 06 j 13:47	0°♌	
asc. node	-135 Sep 07 j 14:13	1°♌11'23	

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

	-135 Oct 01 j 17:27	0°♍	
	-135 Oct 26 j 03:34	0°♎	
	-135 Nov 19 j 05:11	0°♏	
	-135 Dec 13 j 03:56	0°♐	
desc. node	-135 Dec 28 j 04:07	18°♐47'59	
	-134 Jan 06 j 02:51	0°♑	
morning set	-134 Jan 20 j 08:03	17°♑46'12	
	-134 Jan 30 j 03:17	0°♒	
	-134 Feb 23 j 05:56	0°♓	
superior conj	-134 Mar 01 j 13:14	7°♓49'16	-1°-23'-48
minimum elong	-134 Mar 01 j 17:07	8°♓01'18	1°23'46
max. Earth dist.	-134 Mar 05 j 04:38	12°♓20'07	1.72623 AU
	-134 Mar 19 j 11:22	0°♈	
evening rise	-134 Apr 08 j 22:52	25°♈13'54	
	-134 Apr 12 j 20:00	0°♉	
asc. node	-134 Apr 20 j 07:08	9°♉09'28	
	-134 May 07 j 07:56	0°♊	
	-134 May 31 j 23:17	0°♋	
	-134 Jun 25 j 18:57	0°♌	
	-134 Jul 20 j 21:14	0°♍	
desc. node	-134 Aug 09 j 20:39	23°♍30'30	
	-134 Aug 15 j 10:43	0°♎	
	-134 Sep 10 j 21:07	0°♏	
evening max el	-134 Oct 05 j 04:25	25°♏46'26	47°14'52
	-134 Oct 09 j 11:07	0°♐	
greatest brilliancy	-134 Nov 12 j 20:29	26°♐09'14	-4.7m
retrograde	-134 Nov 24 j 20:19	28°♐50'31	
asc. node	-134 Nov 30 j 23:40	28°♐03'39	
evening set	-134 Dec 09 j 08:21	24°♐37'14	
min. Earth dist.	-134 Dec 14 j 15:34	21°♐29'39	0.26562 AU
inferior conj	-134 Dec 15 j 09:50	21°♐01'30	3°37'25
minimum elong	-134 Dec 15 j 02:18	21°♐13'07	3°35'11
morning rise	-134 Dec 20 j 20:51	17°♐47'24	
direct	-133 Jan 04 j 18:20	13°♐24'07	
greatest brilliancy	-133 Jan 15 j 16:13	15°♐38'15	-4.6m
	-133 Feb 06 j 22:17	0°♑	
morning max el	-133 Feb 23 j 13:54	15°♑16'56	46°27'26
	-133 Mar 09 j 22:46	0°♒	
desc. node	-133 Mar 22 j 13:39	13°♒37'49	
	-133 Apr 06 j 05:39	0°♓	
	-133 May 02 j 07:42	0°♈	
	-133 May 27 j 19:20	0°♉	
	-133 Jun 21 j 20:58	0°♊	
asc. node	-133 Jul 13 j 16:33	26°♊28'27	
	-133 Jul 16 j 13:46	0°♋	
	-133 Aug 09 j 22:29	0°♌	
morning set	-133 Aug 20 j 17:32	13°♌24'22	
	-133 Sep 03 j 00:47	0°♍	
max. Earth dist.	-133 Sep 25 j 03:25	27°♍42'45	1.71445 AU
	-133 Sep 26 j 23:08	0°♎	
superior conj	-133 Sep 27 j 13:50	0°♎46'10	1°11'25
minimum elong	-133 Sep 27 j 23:18	1°♎15'51	1°11'10
	-133 Oct 20 j 20:00	0°♏	
desc. node	-133 Nov 02 j 06:35	15°♏38'11	
evening rise	-133 Nov 07 j 01:52	21°♏40'12	
	-133 Nov 13 j 17:03	0°♐	
	-133 Dec 07 j 15:20	0°♑	
	-133 Dec 31 j 16:14	0°♒	
	-132 Jan 24 j 22:17	0°♓	
	-132 Feb 18 j 13:37	0°♈	
asc. node	-132 Feb 23 j 09:15	5°♈47'20	
	-132 Mar 14 j 20:38	0°♉	
	-132 Apr 10 j 07:01	0°♊	
evening max el	-132 May 09 j 02:49	29°♊52'48	45°17'26
	-132 May 09 j 05:50	0°♋	
greatest brilliancy	-132 Jun 13 j 16:07	26°♋27'01	-4.5m
desc. node	-132 Jun 13 j 23:08	26°♋34'28	
retrograde	-132 Jun 26 j 14:18	29°♋22'57	
evening set	-132 Jul 12 j 21:08	24°♋24'20	
inferior conj	-132 Jul 17 j 23:41	21°♋20'41	-6°-56'-13
minimum elong	-132 Jul 17 j 13:54	21°♋35'50	6°54'29
min. Earth dist.	-132 Jul 18 j 05:33	21°♋11'37	0.28627 AU
morning rise	-132 Jul 22 j 06:18	18°♋44'32	
direct	-132 Aug 08 j 11:59	13°♋08'14	
greatest brilliancy	-132 Aug 22 j 23:34	16°♋48'41	-4.6m
	-132 Sep 11 j 09:10	0°♌	
morning max el	-132 Sep 27 j 11:20	14°♌54'04	46°31'24
asc. node	-132 Oct 05 j 02:05	22°♌42'50	
	-132 Oct 11 j 21:39	0°♍	
	-132 Nov 07 j 06:46	0°♎	
	-132 Dec 02 j 07:37	0°♏	
	-132 Dec 26 j 19:58	0°♐	
	-131 Jan 20 j 04:04	0°♑	
desc. node	-131 Jan 24 j 15:54	5°♑32'41	
	-131 Feb 13 j 11:28	0°♒	
	-131 Mar 09 j 19:33	0°♓	
morning set	-131 Apr 03 j 09:19	0°♈13'56	
	-131 Apr 03 j 04:47	0°♈	
	-131 Apr 27 j 14:58	0°♉	
superior conj	-131 May 10 j 07:06	15°♉33'29	0°-17'-37
minimum elong	-131 May 10 j 10:40	15°♉44'25	0°17'27
max. Earth dist.	-131 May 09 j 22:32	15°♉07'10	1.73647 AU
asc. node	-131 May 17 j 18:59	24°♉45'29	
	-131 May 22 j 01:27	0°♊	
evening rise	-131 Jun 15 j 07:58	29°♊49'19	
	-131 Jun 15 j 11:27	0°♋	
	-131 Jul 09 j 20:51	0°♌	
	-131 Aug 03 j 06:31	0°♍	
	-131 Aug 27 j 17:58	0°♎	
desc. node	-131 Sep 06 j 08:46	11°♎44'45	
	-131 Sep 21 j 08:56	0°♏	
	-131 Oct 16 j 06:03	0°♐	
	-131 Nov 10 j 15:44	0°♑	
	-131 Dec 07 j 09:00	0°♒	
evening max el	-131 Dec 15 j 22:06	8°♒57'09	47°08'11
asc. node	-131 Dec 28 j 11:30	21°♒09'45	
	-130 Jan 07 j 20:50	0°♓	
greatest brilliancy	-130 Jan 21 j 20:13	8°♓59'15	-4.6m
retrograde	-130 Feb 04 j 19:21	12°♓35'46	
evening set	-130 Feb 22 j 17:59	6°♓20'53	
inferior conj	-130 Feb 25 j 23:15	4°♓19'38	8°31'59
minimum elong	-130 Feb 26 j 01:50	4°♓15'34	8°31'53
min. Earth dist.	-130 Feb 25 j 12:00	4°♓37'28	0.28349 AU
morning rise	-130 Mar 01 j 09:53	2°♓10'34	
	-130 Mar 05 j 05:22	30°℞♒	
direct	-130 Mar 19 j 00:19	26°♒12'22	
greatest brilliancy	-130 Mar 30 j 09:05	28°♒32'24	-4.5m
	-130 Apr 02 j 17:38	0°♓	
desc. node	-130 Apr 19 j 01:22	10°♓34'59	
morning max el	-130 May 06 j 22:47	26°♓18'59	45°50'15
	-130 May 10 j 18:00	0°♈	
	-130 Jun 08 j 09:28	0°♉	
	-130 Jul 04 j 23:11	0°♊	
	-130 Jul 30 j 11:33	0°♋	
asc. node	-130 Aug 10 j 04:22	12°♋51'10	
	-130 Aug 24 j 06:47	0°♌	
	-130 Sep 17 j 13:57	0°♍	
	-130 Oct 11 j 13:37	0°♎	
morning set	-130 Nov 01 j 11:54	26°♎19'52	
	-130 Nov 04 j 09:48	0°♏	
	-130 Nov 28 j 05:21	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	-130 Nov 29 j 18:19	1°♐56'21	
superior conj	-130 Dec 13 j 01:06	18°♐39'03	0°-30'-51
minimum elong	-130 Dec 12 j 17:08	18°♐14'00	0°30'30
max. Earth dist.	-130 Dec 15 j 18:35	22°♐04'55	1.71152 AU
	-130 Dec 22 j 01:51	0°♑	
	-129 Jan 15 j 00:21	0°♒	
evening rise	-129 Jan 23 j 12:34	10°♒37'43	
	-129 Feb 08 j 02:00	0°♓	
	-129 Mar 04 j 08:21	0°♈	
asc. node	-129 Mar 22 j 21:18	22°♈42'13	
	-129 Mar 28 j 21:17	0°♉	
	-129 Apr 22 j 19:02	0°♊	
	-129 May 18 j 05:03	0°♋	
	-129 Jun 13 j 10:53	0°♌	
	-129 Jul 11 j 09:03	0°♍	
desc. node	-129 Jul 12 j 10:51	1°♍05'37	
evening max el	-129 Jul 21 j 05:07	9°♍45'27	46°00'50
	-129 Aug 14 j 00:52	0°♎	
greatest brilliancy	-129 Aug 29 j 00:29	8°♎11'47	-4.6m
retrograde	-129 Sep 08 j 12:24	10°♎11'18	
evening set	-129 Sep 25 j 08:57	4°♎48'00	
inferior conj	-129 Sep 29 j 06:14	2°♎28'50	-7°-25'-15
minimum elong	-129 Sep 29 j 16:13	2°♎13'40	7°23'31
min. Earth dist.	-129 Sep 30 j 01:24	1°♎59'44	0.27095 AU
	-129 Oct 03 j 10:01	30°℞♍	
morning rise	-129 Oct 03 j 23:10	29°♍41'17	
direct	-129 Oct 20 j 00:47	24°♍40'16	
greatest brilliancy	-129 Nov 02 j 14:01	28°♍04'35	-4.7m
asc. node	-129 Nov 02 j 13:48	28°♍04'19	
	-129 Nov 06 j 06:40	0°♎	
morning max el	-129 Dec 09 j 21:24	28°♎19'45	46°56'15
	-129 Dec 11 j 12:27	0°♏	
	-128 Jan 07 j 21:47	0°♐	
	-128 Feb 02 j 16:17	0°♑	
desc. node	-128 Feb 22 j 03:52	23°♑10'07	
	-128 Feb 27 j 20:46	0°♒	
	-128 Mar 23 j 19:12	0°♓	
	-128 Apr 17 j 14:29	0°♈	
	-128 May 12 j 07:22	0°♉	
	-128 Jun 05 j 21:24	0°♊	
morning set	-128 Jun 10 j 03:13	5°♊11'37	
asc. node	-128 Jun 14 j 06:45	10°♊16'37	
	-128 Jun 30 j 07:47	0°♋	
max. Earth dist.	-128 Jul 12 j 20:29	15°♋27'45	1.73031 AU
superior conj	-128 Jul 16 j 09:31	19°♋50'38	1°06'19
minimum elong	-128 Jul 16 j 00:58	19°♋24'12	1°06'03
	-128 Jul 24 j 14:17	0°♌	
	-128 Aug 17 j 17:44	0°♍	
evening rise	-128 Aug 21 j 18:30	5°♍01'16	
	-128 Sep 10 j 19:41	0°♎	
desc. node	-128 Oct 03 j 20:43	28°♎42'13	
	-128 Oct 04 j 21:44	0°♏	
	-128 Oct 29 j 01:06	0°♐	
	-128 Nov 22 j 07:20	0°♑	
	-128 Dec 16 j 19:51	0°♒	
	-127 Jan 10 j 22:12	0°♓	
asc. node	-127 Jan 24 j 23:22	16°♓14'44	
	-127 Feb 06 j 07:21	0°♈	
evening max el	-127 Feb 25 j 05:51	19°♈44'42	45°55'07
	-127 Mar 08 j 04:37	0°♉	
greatest brilliancy	-127 Mar 31 j 15:01	16°♉42'05	-4.5m
retrograde	-127 Apr 15 j 08:55	20°♉30'23	
evening set	-127 Apr 30 j 19:07	15°♉53'34	
inferior conj	-127 May 06 j 19:12	12°♉15'09	2°15'09
minimum elong	-127 May 06 j 23:57	12°♉07'39	2°13'48
min. Earth dist.	-127 May 07 j 00:24	12°♉06'57	0.29005 AU
morning rise	-127 May 13 j 04:57	8°♉23'39	
desc. node	-127 May 16 j 13:11	6°♉42'34	
direct	-127 May 28 j 11:31	3°♉55'54	
greatest brilliancy	-127 Jun 10 j 22:48	7°♉06'35	-4.5m
	-127 Jul 12 j 07:24	0°♊	
morning max el	-127 Jul 16 j 08:29	3°♊48'53	45°51'27
	-127 Aug 10 j 16:58	0°♋	
	-127 Sep 06 j 03:23	0°♌	
asc. node	-127 Sep 06 j 16:25	0°♌38'11	
	-127 Oct 01 j 05:54	0°♍	
	-127 Oct 25 j 15:26	0°♎	
	-127 Nov 18 j 16:44	0°♏	
	-127 Dec 12 j 15:17	0°♐	
desc. node	-127 Dec 27 j 06:05	18°♐18'58	
	-126 Jan 05 j 14:02	0°♑	
morning set	-126 Jan 17 j 18:44	15°♑15'10	
	-126 Jan 29 j 14:17	0°♒	
	-126 Feb 22 j 16:47	0°♓	
superior conj	-126 Feb 27 j 03:20	5°♓30'36	-1°-24'-24
minimum elong	-126 Feb 27 j 06:24	5°♓40'06	1°24'24
max. Earth dist.	-126 Mar 02 j 23:03	10°♓14'55	1.72564 AU
	-126 Mar 18 j 22:08	0°♈	
evening rise	-126 Apr 06 j 15:26	23°♈04'05	
	-126 Apr 12 j 06:48	0°♉	
asc. node	-126 Apr 19 j 09:11	8°♉42'34	
	-126 May 06 j 18:54	0°♊	
	-126 May 31 j 10:34	0°♋	
	-126 Jun 25 j 06:47	0°♌	
	-126 Jul 20 j 10:00	0°♍	
desc. node	-126 Aug 08 j 22:49	22°♍56'18	
	-126 Aug 15 j 01:03	0°♎	
	-126 Sep 10 j 14:32	0°♏	
evening max el	-126 Oct 02 j 17:18	23°♏19'43	47°13'06
	-126 Oct 09 j 13:09	0°♐	
greatest brilliancy	-126 Nov 10 j 12:29	23°♐43'16	-4.7m
retrograde	-126 Nov 22 j 08:26	26°♐20'41	
asc. node	-126 Nov 30 j 01:41	25°♐06'56	
evening set	-126 Dec 06 j 19:33	22°♐09'56	
min. Earth dist.	-126 Dec 12 j 05:43	18°♐58'31	0.26521 AU
inferior conj	-126 Dec 12 j 22:18	18°♐32'57	3°15'08
minimum elong	-126 Dec 12 j 15:24	18°♐43'35	3°13'04
morning rise	-126 Dec 18 j 11:44	15°♐15'24	
direct	-125 Jan 02 j 05:55	10°♐55'59	
greatest brilliancy	-125 Jan 13 j 06:55	13°♐12'40	-4.6m
	-125 Feb 07 j 07:24	0°♑	
morning max el	-125 Feb 21 j 02:05	12°♑50'59	46°29'10
	-125 Mar 09 j 17:24	0°♒	
desc. node	-125 Mar 21 j 15:44	12°♒58'11	
	-125 Apr 05 j 20:20	0°♓	
	-125 May 01 j 20:36	0°♈	
	-125 May 27 j 07:16	0°♉	
	-125 Jun 21 j 08:22	0°♊	
asc. node	-125 Jul 12 j 18:36	26°♊00'46	
	-125 Jul 16 j 00:52	0°♋	
	-125 Aug 09 j 09:27	0°♌	
morning set	-125 Aug 18 j 09:33	11°♌10'45	
	-125 Sep 02 j 11:44	0°♍	
max. Earth dist.	-125 Sep 22 j 14:54	25°♍13'32	1.71492 AU
superior conj	-125 Sep 25 j 03:24	28°♍23'26	1°13'18
minimum elong	-125 Sep 25 j 12:23	28°♍51'40	1°13'04
	-125 Sep 26 j 10:09	0°♎	
	-125 Oct 20 j 07:08	0°♏	
desc. node	-125 Nov 01 j 08:34	15°♏09'16	
evening rise	-125 Nov 04 j 12:02	19°♏06'15	

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

	-125 Nov 13 j 04:19	0°♐			-122 Jun 08 j 00:57	0°♉		
	-125 Dec 07 j 02:45	0°♑			-122 Jul 04 j 12:27	0°♊		
	-125 Dec 31 j 03:49	0°♒			-122 Jul 29 j 23:44	0°♋		
	-124 Jan 24 j 10:09	0°♓		asc. node	-122 Aug 09 j 06:35	12°♋21'48		
	-124 Feb 18 j 02:00	0°♈			-122 Aug 23 j 18:26	0°♌		
asc. node	-124 Feb 22 j 11:26	5°♈16'22			-122 Sep 17 j 01:22	0°♍		
	-124 Mar 14 j 10:03	0°♉			-122 Oct 11 j 00:57	0°♎		
	-124 Apr 09 j 22:49	0°♊		morning set	-122 Oct 29 j 23:29	23°♎49'37		
evening max el	-124 May 06 j 17:47	27°♊40'15	45°17'29		-122 Nov 03 j 21:07	0°♏		
	-124 May 09 j 04:51	0°♋			-122 Nov 27 j 16:39	0°♐		
greatest brilliancy	-124 Jun 11 j 03:17	24°♋11'09	-4.5m	desc. node	-122 Nov 28 j 20:22	1°♐27'13		
desc. node	-124 Jun 13 j 01:06	24°♋57'41						
retrograde	-124 Jun 24 j 05:54	27°♋11'58		superior conj	-122 Dec 10 j 10:10	16°♐01'05	0°-27'-2	
evening set	-124 Jul 10 j 09:31	22°♋16'52		minimum elong	-122 Dec 10 j 03:05	15°♐38'49	0°26'44	
inferior conj	-124 Jul 15 j 15:19	19°♋08'49	-6°-43'-18	max. Earth dist.	-122 Dec 13 j 03:19	19°♐25'56	1.71127 AU	
minimum elong	-124 Jul 15 j 05:23	19°♋24'10	6°41'27		-122 Dec 21 j 13:09	0°♑		
min. Earth dist.	-124 Jul 15 j 20:44	19°♋00'28	0.28662 AU		-121 Jan 14 j 11:39	0°♒		
morning rise	-124 Jul 20 j 00:52	16°♋28'32		evening rise	-121 Jan 20 j 23:21	8°♒06'22		
direct	-124 Aug 06 j 03:50	10°♋55'36			-121 Feb 07 j 13:19	0°♓		
greatest brilliancy	-124 Aug 20 j 16:54	14°♋37'43	-4.6m		-121 Mar 03 j 19:47	0°♈		
	-124 Sep 11 j 15:52	0°♌		asc. node	-121 Mar 21 j 23:20	22°♈13'02		
morning max el	-124 Sep 25 j 02:56	12°♌37'51	46°29'56		-121 Mar 28 j 08:59	0°♉		
asc. node	-124 Oct 04 j 04:05	21°♌56'28			-121 Apr 22 j 07:17	0°♊		
	-124 Oct 11 j 15:37	0°♍			-121 May 17 j 18:21	0°♋		
	-124 Nov 06 j 21:28	0°♎			-121 Jun 13 j 02:15	0°♌		
	-124 Dec 01 j 20:54	0°♏			-121 Jul 11 j 05:37	0°♍		
	-124 Dec 26 j 08:27	0°♐		desc. node	-121 Jul 11 j 13:03	0°♍18'44		
	-123 Jan 19 j 16:02	0°♑		evening max el	-121 Jul 18 j 19:32	7°♍27'55	45°58'20	
desc. node	-123 Jan 23 j 18:03	5°♑02'34			-121 Aug 15 j 02:53	0°♎		
	-123 Feb 12 j 23:04	0°♒		greatest brilliancy	-121 Aug 26 j 12:24	5°♎47'54	-4.6m	
	-123 Mar 09 j 06:52	0°♓		retrograde	-121 Sep 06 j 00:47	7°♎47'18		
morning set	-123 Apr 01 j 01:41	28°♓02'37		evening set	-121 Sep 23 j 00:57	2°♎19'34		
	-123 Apr 02 j 15:52	0°♈		inferior conj	-121 Sep 26 j 19:14	0°♎04'24	-7°-37'-18	
	-123 Apr 27 j 01:54	0°♉		minimum elong	-121 Sep 27 j 04:50	29°♍49'47	7°35'45	
					-121 Sep 26 j 22:07	30°℞♍		
superior conj	-123 May 08 j 01:12	13°♉28'19	0°-20'-42	min. Earth dist.	-121 Sep 27 j 14:26	29°♍35'10	0.27158 AU	
minimum elong	-123 May 08 j 05:22	13°♉41'06	0°20'30	morning rise	-121 Oct 01 j 08:25	27°♍21'47		
max. Earth dist.	-123 May 07 j 20:27	13°♉13'42	1.73635 AU	direct	-121 Oct 17 j 14:53	22°♍15'04		
asc. node	-123 May 16 j 20:59	24°♉18'19		greatest brilliancy	-121 Oct 31 j 04:01	25°♍38'58	-4.7m	
	-123 May 21 j 12:19	0°♊		asc. node	-121 Nov 01 j 15:50	26°♍23'04		
evening rise	-123 Jun 13 j 03:23	27°♊47'57			-121 Nov 07 j 19:36	0°♎		
	-123 Jun 14 j 22:22	0°♋		morning max el	-121 Dec 07 j 11:04	25°♎53'31	46°56'03	
	-123 Jul 09 j 08:00	0°♌			-121 Dec 11 j 10:23	0°♏		
	-123 Aug 02 j 18:02	0°♍			-120 Jan 07 j 14:10	0°♐		
	-123 Aug 27 j 05:59	0°♎			-120 Feb 02 j 06:26	0°♑		
desc. node	-123 Sep 05 j 10:51	11°♎13'42		desc. node	-120 Feb 21 j 05:59	22°♑37'03		
	-123 Sep 20 j 21:40	0°♏			-120 Feb 27 j 09:42	0°♒		
	-123 Oct 15 j 19:50	0°♐			-120 Mar 23 j 07:21	0°♓		
	-123 Nov 10 j 07:21	0°♑			-120 Apr 17 j 02:06	0°♈		
	-123 Dec 07 j 04:54	0°♒			-120 May 11 j 18:37	0°♉		
evening max el	-123 Dec 13 j 13:32	6°♒37'30	47°10'08		-120 Jun 05 j 08:27	0°♊		
asc. node	-123 Dec 27 j 13:36	20°♒08'51		morning set	-120 Jun 07 j 21:36	3°♊07'10		
	-122 Jan 08 j 14:02	0°♓		asc. node	-120 Jun 13 j 08:53	9°♊49'23		
greatest brilliancy	-122 Jan 19 j 12:05	6°♓41'26	-4.6m		-120 Jun 29 j 18:45	0°♋		
retrograde	-122 Feb 02 j 11:39	10°♓18'13		max. Earth dist.	-120 Jul 10 j 13:40	13°♋18'41	1.73072 AU	
evening set	-122 Feb 20 j 09:43	4°♓02'41						
min. Earth dist.	-122 Feb 23 j 01:54	2°♓22'16	0.28298 AU	superior conj	-120 Jul 14 j 03:47	17°♋44'50	1°04'18	
inferior conj	-122 Feb 23 j 14:32	2°♓02'17	8°34'47	minimum elong	-120 Jul 13 j 19:09	17°♋18'07	1°04'03	
minimum elong	-122 Feb 23 j 16:20	1°♓59'25	8°34'45		-120 Jul 24 j 01:16	0°♌		
morning rise	-122 Feb 26 j 23:10	29°♒56'28			-120 Aug 17 j 04:48	0°♍		
	-122 Feb 26 j 20:51	30°℞♒		evening rise	-120 Aug 19 j 10:54	2°♍48'20		
direct	-122 Mar 16 j 15:08	23°♒55'51			-120 Sep 10 j 06:56	0°♎		
greatest brilliancy	-122 Mar 27 j 21:42	26°♒14'22	-4.5m	desc. node	-120 Oct 02 j 22:43	28°♎12'36		
	-122 Apr 04 j 14:39	0°♓			-120 Oct 04 j 09:15	0°♏		
desc. node	-122 Apr 18 j 03:22	9°♓29'35			-120 Oct 28 j 12:59	0°♐		
morning max el	-122 May 04 j 15:05	24°♓08'08	45°51'08		-120 Nov 21 j 19:42	0°♑		
	-122 May 10 j 15:13	0°♈			-120 Dec 16 j 08:54	0°♒		

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

	-119 Jan 10 j 12:32	0°♓	
asc. node	-119 Jan 24 j 01:31	15°♓36'31	
	-119 Feb 06 j 00:41	0°♈	
evening max el	-119 Feb 22 j 20:50	17°♈29'10	45°57'29
	-119 Mar 08 j 09:12	0°♉	
greatest brilliancy	-119 Mar 29 j 08:22	14°♉33'29	-4.5m
retrograde	-119 Apr 13 j 01:00	18°♉21'05	
evening set	-119 Apr 28 j 13:26	13°♉41'51	
inferior conj	-119 May 04 j 11:44	10°♉05'47	2°33'56
minimum elong	-119 May 04 j 17:06	9°♉57'19	2°32'26
min. Earth dist.	-119 May 04 j 17:17	9°♉57'02	0.29001 AU
morning rise	-119 May 10 j 20:51	6°♉14'40	
desc. node	-119 May 15 j 15:13	3°♉56'32	
direct	-119 May 26 j 03:31	1°♉46'37	
greatest brilliancy	-119 Jun 08 j 13:07	4°♉54'48	-4.5m
	-119 Jul 12 j 07:12	0°♊	
morning max el	-119 Jul 13 j 23:26	1°♊35'43	45°50'42
	-119 Aug 10 j 09:09	0°♋	
asc. node	-119 Sep 05 j 18:21	0°♌03'50	
	-119 Sep 05 j 17:03	0°♌	
	-119 Sep 30 j 18:25	0°♍	
	-119 Oct 25 j 03:22	0°♎	
	-119 Nov 18 j 04:21	0°♏	
	-119 Dec 12 j 02:44	0°♐	
desc. node	-119 Dec 26 j 08:16	17°♐50'16	
	-118 Jan 05 j 01:20	0°♑	
morning set	-118 Jan 15 j 05:04	12°♑42'19	
	-118 Jan 29 j 01:28	0°♒	
	-118 Feb 22 j 03:52	0°♓	
superior conj	-118 Feb 24 j 16:50	3°♓09'11	-1°-24'-51
minimum elong	-118 Feb 24 j 19:03	3°♓16'04	1°24'52
max. Earth dist.	-118 Feb 28 j 13:54	7°♓57'48	1.72507 AU
	-118 Mar 18 j 09:10	0°♈	
evening rise	-118 Apr 04 j 07:13	20°♈51'06	
	-118 Apr 11 j 17:52	0°♉	
asc. node	-118 Apr 18 j 11:10	8°♉14'44	
	-118 May 06 j 06:06	0°♊	
	-118 May 30 j 22:06	0°♋	
	-118 Jun 24 j 18:52	0°♌	
	-118 Jul 19 j 23:01	0°♍	
desc. node	-118 Aug 08 j 00:53	22°♍21'09	
	-118 Aug 14 j 15:42	0°♎	
	-118 Sep 10 j 08:24	0°♏	
evening max el	-118 Sep 30 j 05:56	20°♏52'36	47°11'30
	-118 Oct 09 j 16:37	0°♐	
greatest brilliancy	-118 Nov 08 j 03:38	21°♐16'49	-4.7m
retrograde	-118 Nov 19 j 20:49	23°♐51'47	
asc. node	-118 Nov 29 j 03:44	22°♐05'22	
evening set	-118 Dec 04 j 07:04	19°♐42'48	
inferior conj	-118 Dec 10 j 10:54	16°♐05'06	2°52'36
minimum elong	-118 Dec 10 j 04:42	16°♐14'39	2°50'41
min. Earth dist.	-118 Dec 09 j 19:52	16°♐28'13	0.26486 AU
morning rise	-118 Dec 16 j 02:40	12°♐44'30	
direct	-118 Dec 30 j 17:37	8°♐28'19	
greatest brilliancy	-117 Jan 10 j 22:02	10°♐48'11	-4.6m
	-117 Feb 07 j 13:54	0°♑	
morning max el	-117 Feb 18 j 15:11	10°♑27'15	46°30'36
	-117 Mar 09 j 11:36	0°♒	
desc. node	-117 Mar 20 j 17:43	12°♒18'29	
	-117 Apr 05 j 10:58	0°♓	
	-117 May 01 j 09:33	0°♈	
	-117 May 26 j 19:17	0°♉	
	-117 Jun 20 j 19:49	0°♊	
asc. node	-117 Jul 11 j 20:45	25°♊33'17	
	-117 Jul 15 j 11:59	0°♋	
	-117 Aug 08 j 20:25	0°♌	
morning set	-117 Aug 16 j 01:29	8°♌56'57	
	-117 Sep 01 j 22:41	0°♍	
max. Earth dist.	-117 Sep 20 j 03:20	22°♍47'24	1.71537 AU
superior conj	-117 Sep 22 j 17:06	26°♍01'13	1°15'02
minimum elong	-117 Sep 23 j 01:34	26°♍27'48	1°14'50
	-117 Sep 25 j 21:11	0°♎	
	-117 Oct 19 j 18:15	0°♏	
desc. node	-117 Oct 31 j 10:38	14°♏40'50	
evening rise	-117 Nov 01 j 22:33	16°♏33'37	
	-117 Nov 12 j 15:30	0°♐	
	-117 Dec 06 j 14:01	0°♑	
	-117 Dec 30 j 15:15	0°♒	
	-116 Jan 23 j 21:52	0°♓	
	-116 Feb 17 j 14:19	0°♈	
asc. node	-116 Feb 21 j 13:22	4°♈44'56	
	-116 Mar 13 j 23:31	0°♉	
	-116 Apr 09 j 14:52	0°♊	
evening max el	-116 May 04 j 09:34	25°♊29'31	45°17'32
	-116 May 09 j 05:02	0°♋	
greatest brilliancy	-116 Jun 08 j 14:51	21°♋55'29	-4.5m
desc. node	-116 Jun 12 j 03:17	23°♋17'16	
retrograde	-116 Jun 21 j 21:39	25°♋00'28	
evening set	-116 Jul 07 j 21:53	20°♋09'01	
inferior conj	-116 Jul 13 j 06:45	16°♋56'32	-6°-29'-46
minimum elong	-116 Jul 12 j 20:43	17°♋12'02	6°27'49
min. Earth dist.	-116 Jul 13 j 11:27	16°♋49'18	0.28692 AU
morning rise	-116 Jul 17 j 19:15	14°♋12'09	
direct	-116 Aug 03 j 20:02	8°♋42'50	
greatest brilliancy	-116 Aug 18 j 09:16	12°♋25'41	-4.6m
	-116 Sep 11 j 20:25	0°♌	
morning max el	-116 Sep 22 j 18:52	10°♌23'02	46°28'27
asc. node	-116 Oct 03 j 06:10	21°♌11'20	
	-116 Oct 11 j 09:05	0°♍	
	-116 Nov 06 j 11:51	0°♎	
	-116 Dec 01 j 09:54	0°♏	
	-116 Dec 25 j 20:39	0°♐	
	-115 Jan 19 j 03:42	0°♑	
desc. node	-115 Jan 22 j 20:08	4°♑33'12	
	-115 Feb 12 j 10:21	0°♒	
	-115 Mar 08 j 17:52	0°♓	
morning set	-115 Mar 29 j 18:05	25°♓52'08	
	-115 Apr 02 j 02:41	0°♈	
	-115 Apr 26 j 12:37	0°♉	
superior conj	-115 May 05 j 19:07	11°♉23'06	0°-23'-45
minimum elong	-115 May 05 j 23:52	11°♉37'43	0°23'33
max. Earth dist.	-115 May 05 j 19:18	11°♉23'40	1.73629 AU
asc. node	-115 May 15 j 23:08	23°♉52'08	
	-115 May 20 j 23:00	0°♊	
evening rise	-115 Jun 10 j 22:31	25°♊46'13	
	-115 Jun 14 j 09:09	0°♋	
	-115 Jul 08 j 18:59	0°♌	
	-115 Aug 02 j 05:22	0°♍	
	-115 Aug 26 j 17:50	0°♎	
desc. node	-115 Sep 04 j 12:49	10°♎42'53	
	-115 Sep 20 j 10:14	0°♏	
	-115 Oct 15 j 09:28	0°♐	
	-115 Nov 09 j 22:54	0°♑	
	-115 Dec 07 j 01:04	0°♒	
evening max el	-115 Dec 11 j 05:57	4°♒21'12	47°12'04
asc. node	-115 Dec 26 j 15:47	19°♒07'49	
	-114 Jan 09 j 12:30	0°♓	
greatest brilliancy	-114 Jan 17 j 04:53	4°♓26'05	-4.6m
retrograde	-114 Jan 31 j 04:02	8°♓01'54	
evening set	-114 Feb 18 j 01:17	1°♓46'34	
min. Earth dist.	-114 Feb 20 j 15:48	0°♓08'45	0.28242 AU

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

	-114 Feb 20 j 21:20	30°℞♒		
inferior conj	-114 Feb 21 j 05:56	29°♒46'24	8°36'50	
minimum elong	-114 Feb 21 j 06:57	29°♒44'46	8°36'50	
morning rise	-114 Feb 24 j 12:52	27°♒43'19		
direct	-114 Mar 14 j 06:24	21°♒41'07		
greatest brilliancy	-114 Mar 25 j 09:28	23°♒56'54	-4.5m	
	-114 Apr 05 j 20:25	0°♓		
desc. node	-114 Apr 17 j 05:29	8°♓27'30		
morning max el	-114 May 02 j 07:00	21°♓57'42	45°51'48	
	-114 May 10 j 11:12	0°♈		
	-114 Jun 07 j 15:49	0°♉		
	-114 Jul 04 j 01:20	0°♊		
	-114 Jul 29 j 11:38	0°♋		
asc. node	-114 Aug 08 j 08:33	11°♋52'31		
	-114 Aug 23 j 05:50	0°♌		
	-114 Sep 16 j 12:30	0°♍		
	-114 Oct 10 j 11:58	0°♎		
morning set	-114 Oct 27 j 11:04	21°♎20'26		
	-114 Nov 03 j 08:05	0°♏		
	-114 Nov 27 j 03:37	0°♐		
desc. node	-114 Nov 27 j 22:30	0°♐59'26		
superior conj	-114 Dec 07 j 19:17	13°♐24'21	0°-23'-10	
minimum elong	-114 Dec 07 j 13:09	13°♐05'03	0°22'53	
max. Earth dist.	-114 Dec 10 j 11:19	16°♐45'41	1.71102 AU	
	-114 Dec 21 j 00:07	0°♑		
	-113 Jan 13 j 22:37	0°♒		
evening rise	-113 Jan 18 j 10:08	5°♒35'59		
	-113 Feb 07 j 00:17	0°♓		
	-113 Mar 03 j 06:49	0°♈		
asc. node	-113 Mar 21 j 01:23	21°♈45'08		
	-113 Mar 27 j 20:16	0°♉		
	-113 Apr 21 j 19:08	0°♊		
	-113 May 17 j 07:19	0°♋		
	-113 Jun 12 j 17:29	0°♌		
desc. node	-113 Jul 10 j 15:06	29°♌31'29		
	-113 Jul 11 j 02:34	0°♍		
evening max el	-113 Jul 16 j 09:09	5°♍09'16	45°55'40	
	-113 Aug 16 j 15:02	0°♎		
greatest brilliancy	-113 Aug 24 j 01:04	3°♎25'26	-4.6m	
retrograde	-113 Sep 03 j 12:37	5°♎24'01		
	-113 Sep 20 j 11:14	30°℞♍		
evening set	-113 Sep 20 j 16:45	29°♍52'02		
inferior conj	-113 Sep 24 j 08:11	27°♍40'49	-7°-48'-25	
minimum elong	-113 Sep 24 j 17:18	27°♍26'55	7°47'04	
min. Earth dist.	-113 Sep 25 j 03:43	27°♍11'02	0.27220 AU	
morning rise	-113 Sep 28 j 17:32	25°♍03'15		
direct	-113 Oct 15 j 04:22	19°♍50'35		
greatest brilliancy	-113 Oct 28 j 18:44	23°♍15'06	-4.7m	
asc. node	-113 Oct 31 j 17:57	24°♍46'20		
	-113 Nov 08 j 21:18	0°♎		
morning max el	-113 Dec 04 j 23:38	23°♎25'23	46°55'57	
	-113 Dec 11 j 07:10	0°♏		
	-112 Jan 07 j 05:55	0°♐		
	-112 Feb 01 j 20:04	0°♑		
desc. node	-112 Feb 20 j 07:54	22°♑04'46		
	-112 Feb 26 j 22:09	0°♒		
	-112 Mar 22 j 19:02	0°♓		
	-112 Apr 16 j 13:15	0°♈		
	-112 May 11 j 05:26	0°♉		
	-112 Jun 04 j 19:04	0°♊		
morning set	-112 Jun 05 j 16:14	1°♊04'49		
asc. node	-112 Jun 12 j 10:59	9°♊23'26		
	-112 Jun 29 j 05:19	0°♋		
max. Earth dist.	-112 Jul 08 j 08:00	11°♋14'27	1.73122 AU	
superior conj	-112 Jul 11 j 22:14	15°♋40'48	1°02'14	
minimum elong	-112 Jul 11 j 13:33	15°♋13'58	1°01'57	
	-112 Jul 23 j 11:54	0°♌		
	-112 Aug 16 j 15:35	0°♍		
evening rise	-112 Aug 17 j 03:24	0°♍36'44		
	-112 Sep 09 j 17:57	0°♎		
desc. node	-112 Oct 02 j 00:49	27°♎44'04		
	-112 Oct 03 j 20:33	0°♏		
	-112 Oct 28 j 00:38	0°♐		
	-112 Nov 21 j 07:47	0°♑		
	-112 Dec 15 j 21:41	0°♒		
	-111 Jan 10 j 02:39	0°♓		
asc. node	-111 Jan 23 j 03:29	14°♓58'34		
	-111 Feb 05 j 17:58	0°♈		
evening max el	-111 Feb 20 j 11:16	15°♈13'22	45°59'59	
	-111 Mar 08 j 15:12	0°♉		
greatest brilliancy	-111 Mar 27 j 01:05	12°♉25'27	-4.5m	
retrograde	-111 Apr 10 j 17:23	16°♉13'47		
evening set	-111 Apr 26 j 08:02	11°♉31'41		
inferior conj	-111 May 02 j 04:31	7°♉58'21	2°52'21	
minimum elong	-111 May 02 j 10:27	7°♉48'59	2°50'44	
min. Earth dist.	-111 May 02 j 10:28	7°♉48'58	0.28996 AU	
morning rise	-111 May 08 j 12:51	4°♉07'57		
desc. node	-111 May 14 j 17:21	1°♉16'39		
	-111 May 19 j 14:10	30°℞♈		
direct	-111 May 23 j 19:25	29°♈39'06		
	-111 May 28 j 02:58	0°♉		
greatest brilliancy	-111 Jun 06 j 04:29	2°♉46'03	-4.5m	
morning max el	-111 Jul 11 j 14:43	29°♉24'50	45°49'58	
	-111 Jul 12 j 05:23	0°♊		
	-111 Aug 10 j 00:37	0°♋		
asc. node	-111 Sep 04 j 20:27	29°♋31'08		
	-111 Sep 05 j 06:16	0°♌		
	-111 Sep 30 j 06:38	0°♍		
	-111 Oct 24 j 15:04	0°♎		
	-111 Nov 17 j 15:47	0°♏		
	-111 Dec 11 j 13:58	0°♐		
desc. node	-111 Dec 25 j 10:19	17°♐21'53		
	-110 Jan 04 j 12:25	0°♑		
morning set	-110 Jan 12 j 15:06	10°♑09'12		
	-110 Jan 28 j 12:24	0°♒		
	-110 Feb 21 j 14:41	0°♓		
superior conj	-110 Feb 22 j 06:15	0°♓48'20	-1°-25'-11	
minimum elong	-110 Feb 22 j 07:34	0°♓52'27	1°25'11	
max. Earth dist.	-110 Feb 26 j 03:04	5°♓36'22	1.72449 AU	
	-110 Mar 17 j 19:56	0°♈		
evening rise	-110 Apr 01 j 23:09	18°♈39'18		
	-110 Apr 11 j 04:40	0°♉		
asc. node	-110 Apr 17 j 13:22	7°♉48'21		
	-110 May 05 j 17:02	0°♊		
	-110 May 30 j 09:20	0°♋		
	-110 Jun 24 j 06:40	0°♌		
	-110 Jul 19 j 11:48	0°♍		
desc. node	-110 Aug 07 j 02:52	21°♍46'26		
	-110 Aug 14 j 06:13	0°♎		
	-110 Sep 10 j 02:29	0°♏		
evening max el	-110 Sep 27 j 18:47	18°♏26'35	47°09'35	
	-110 Oct 09 j 21:48	0°♐		
greatest brilliancy	-110 Nov 05 j 17:45	18°♐48'43	-4.7m	
retrograde	-110 Nov 17 j 09:20	21°♐22'17		
asc. node	-110 Nov 28 j 05:53	18°♐57'27		
evening set	-110 Dec 01 j 18:33	17°♐14'27		
inferior conj	-110 Dec 07 j 23:12	13°♐36'22	2°29'23	
minimum elong	-110 Dec 07 j 17:45	13°♐44'44	2°27'40	
min. Earth dist.	-110 Dec 07 j 09:35	13°♐57'14	0.26456 AU	
morning rise	-110 Dec 13 j 17:15	10°♐13'07		
direct	-110 Dec 28 j 05:34	5°♐59'40		

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

greatest brilliancy	-109 Jan 08 j 12:49	8°♐22'48	-4.6m	
	-109 Feb 07 j 18:23	0°♑		
morning max el	-109 Feb 16 j 05:00	8°♑05'20	46°32'12	
	-109 Mar 09 j 05:16	0°♒		
desc. node	-109 Mar 19 j 19:53	11°♒40'06		
	-109 Apr 05 j 01:15	0°♓		
	-109 Apr 30 j 22:14	0°♈		
	-109 May 26 j 07:05	0°♉		
	-109 Jun 20 j 07:04	0°♊		
asc. node	-109 Jul 10 j 22:45	25°♊05'56		
	-109 Jul 14 j 22:55	0°♋		
	-109 Aug 08 j 07:12	0°♌		
morning set	-109 Aug 13 j 18:06	6°♌45'59		
	-109 Sep 01 j 09:28	0°♍		
max. Earth dist.	-109 Sep 17 j 17:03	20°♍25'51	1.71585 AU	
superior conj	-109 Sep 20 j 07:22	23°♍41'18	1°16'36	
minimum elong	-109 Sep 20 j 15:16	24°♍06'07	1°16'27	
	-109 Sep 25 j 08:03	0°♎		
	-109 Oct 19 j 05:15	0°♏		
evening rise	-109 Oct 30 j 09:15	14°♏01'45		
desc. node	-109 Oct 30 j 12:49	14°♏12'55		
	-109 Nov 12 j 02:39	0°♐		
	-109 Dec 06 j 01:19	0°♑		
	-109 Dec 30 j 02:45	0°♒		
	-108 Jan 23 j 09:41	0°♓		
	-108 Feb 17 j 02:42	0°♈		
asc. node	-108 Feb 20 j 15:30	4°♈13'51		
	-108 Mar 13 j 13:05	0°♉		
	-108 Apr 09 j 07:09	0°♊		
evening max el	-108 May 02 j 02:04	23°♊20'47	45°17'45	
	-108 May 09 j 06:20	0°♋		
greatest brilliancy	-108 Jun 06 j 03:58	19°♋42'25	-4.5m	
desc. node	-108 Jun 11 j 05:21	21°♋33'53		
retrograde	-108 Jun 19 j 13:39	22°♋49'52		
evening set	-108 Jul 05 j 10:45	18°♋02'12		
inferior conj	-108 Jul 10 j 22:28	14°♋45'20	-6°-15'-52	
minimum elong	-108 Jul 10 j 12:24	15°♋00'52	6°13'50	
min. Earth dist.	-108 Jul 11 j 02:23	14°♋39'16	0.28716 AU	
morning rise	-108 Jul 15 j 13:50	11°♋56'48		
direct	-108 Aug 01 j 12:43	6°♋31'25		
greatest brilliancy	-108 Aug 16 j 00:36	10°♋13'12	-4.5m	
	-108 Sep 11 j 23:03	0°♌		
morning max el	-108 Sep 20 j 10:38	8°♌08'30	46°26'56	
asc. node	-108 Oct 02 j 08:19	20°♌27'28		
	-108 Oct 11 j 02:02	0°♍		
	-108 Nov 06 j 02:01	0°♎		
	-108 Nov 30 j 22:49	0°♏		
	-108 Dec 25 j 08:53	0°♐		
	-107 Jan 18 j 15:29	0°♑		
desc. node	-107 Jan 21 j 22:07	4°♑03'04		
	-107 Feb 11 j 21:47	0°♒		
	-107 Mar 08 j 05:03	0°♓		
morning set	-107 Mar 27 j 10:06	23°♓39'55		
	-107 Apr 01 j 13:38	0°♈		
	-107 Apr 25 j 23:26	0°♉		
superior conj	-107 May 03 j 12:49	9°♉16'54	0°-26'-48	
minimum elong	-107 May 03 j 18:09	9°♉33'16	0°26'34	
max. Earth dist.	-107 May 03 j 19:03	9°♉36'05	1.73614 AU	
asc. node	-107 May 15 j 01:12	23°♉25'23		
	-107 May 20 j 09:47	0°♊		
evening rise	-107 Jun 08 j 17:42	23°♊44'18		
	-107 Jun 13 j 20:02	0°♋		
	-107 Jul 08 j 06:06	0°♌		
	-107 Aug 01 j 16:50	0°♍		
	-107 Aug 26 j 05:47	0°♎		
desc. node	-107 Sep 03 j 14:59	10°♎12'29		
	-107 Sep 19 j 22:53	0°♏		
	-107 Oct 14 j 23:15	0°♐		
	-107 Nov 09 j 14:46	0°♑		
	-107 Dec 06 j 22:03	0°♒		
evening max el	-107 Dec 08 j 22:02	2°♒03'25	47°13'31	
asc. node	-107 Dec 25 j 17:43	18°♒03'58		
	-106 Jan 10 j 20:37	0°♓		
greatest brilliancy	-106 Jan 14 j 22:25	2°♓10'19	-4.6m	
retrograde	-106 Jan 28 j 19:48	5°♓43'34		
	-106 Feb 14 j 20:05	30°℞♒		
evening set	-106 Feb 15 j 16:15	29°♒29'15		
min. Earth dist.	-106 Feb 18 j 05:44	27°♒52'57	0.28186 AU	
inferior conj	-106 Feb 18 j 21:04	27°♒28'40	8°38'05	
minimum elong	-106 Feb 18 j 21:18	27°♒28'18	8°38'04	
morning rise	-106 Feb 22 j 02:37	25°♒27'40		
direct	-106 Mar 11 j 21:26	19°♒24'37		
greatest brilliancy	-106 Mar 22 j 21:13	21°♒37'33	-4.5m	
	-106 Apr 06 j 18:42	0°♓		
desc. node	-106 Apr 16 j 07:36	7°♓25'41		
morning max el	-106 Apr 29 j 21:56	19°♓43'33	45°52'37	
	-106 May 10 j 07:00	0°♈		
	-106 Jun 07 j 06:48	0°♉		
	-106 Jul 03 j 14:21	0°♊		
	-106 Jul 28 j 23:42	0°♋		
asc. node	-106 Aug 07 j 10:36	11°♋22'59		
	-106 Aug 22 j 17:24	0°♌		
	-106 Sep 15 j 23:49	0°♍		
	-106 Oct 09 j 23:10	0°♎		
morning set	-106 Oct 24 j 23:13	18°♎52'25		
	-106 Nov 02 j 19:13	0°♏		
	-106 Nov 26 j 14:44	0°♐		
desc. node	-106 Nov 27 j 00:33	0°♐30'53		
superior conj	-106 Dec 05 j 04:57	10°♐48'47	0°-19'-17	
minimum elong	-106 Dec 04 j 23:47	10°♐32'33	0°19'03	
max. Earth dist.	-106 Dec 07 j 18:09	14°♐01'14	1.71079 AU	
	-106 Dec 20 j 11:15	0°♑		
	-105 Jan 13 j 09:47	0°♒		
evening rise	-105 Jan 15 j 21:00	3°♒05'06		
	-105 Feb 06 j 11:30	0°♓		
	-105 Mar 02 j 18:11	0°♈		
asc. node	-105 Mar 20 j 03:32	21°♈16'26		
	-105 Mar 27 j 07:57	0°♉		
	-105 Apr 21 j 07:25	0°♊		
	-105 May 16 j 20:46	0°♋		
	-105 Jun 12 j 09:18	0°♌		
desc. node	-105 Jul 09 j 17:05	28°♌42'30		
	-105 Jul 11 j 00:38	0°♍		
evening max el	-105 Jul 13 j 21:52	2°♍47'43	45°53'12	
	-105 Aug 18 j 22:51	0°♎		
greatest brilliancy	-105 Aug 21 j 13:53	1°♎02'48	-4.6m	
retrograde	-105 Sep 01 j 00:32	3°♎00'57		
	-105 Sep 13 j 11:37	30°℞♍		
evening set	-105 Sep 18 j 08:36	27°♍24'34		
inferior conj	-105 Sep 21 j 21:21	25°♍17'18	-7°-58'-41	
minimum elong	-105 Sep 22 j 05:55	25°♍04'12	7°57'31	
min. Earth dist.	-105 Sep 22 j 17:20	24°♍46'48	0.27282 AU	
morning rise	-105 Sep 26 j 02:54	22°♍44'55		
direct	-105 Oct 12 j 17:41	17°♍25'53		
greatest brilliancy	-105 Oct 26 j 10:37	20°♍52'27	-4.7m	
asc. node	-105 Oct 30 j 20:02	23°♍12'36		
	-105 Nov 09 j 16:27	0°♎		
morning max el	-105 Dec 02 j 12:19	20°♎56'54	46°55'58	
	-105 Dec 11 j 03:29	0°♏		
	-104 Jan 06 j 21:37	0°♐		
	-104 Feb 01 j 09:48	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	-104 Feb 19 j 10:06	21°♉32'47		
	-104 Feb 26 j 10:47	0°♒		
	-104 Mar 22 j 06:59	0°♓		
	-104 Apr 16 j 00:45	0°♈		
	-104 May 10 j 16:37	0°♉		
morning set	-104 Jun 03 j 10:35	29°♉00'18		
	-104 Jun 04 j 06:05	0°♊		
asc. node	-104 Jun 11 j 13:00	8°♊55'56		
	-104 Jun 28 j 16:16	0°♋		
max. Earth dist.	-104 Jul 06 j 03:45	9°♋13'31	1.73166 AU	
superior conj	-104 Jul 09 j 16:29	13°♋35'06	1°00'04	
minimum elong	-104 Jul 09 j 07:47	13°♋08'13	0°59'45	
	-104 Jul 22 j 22:52	0°♌		
evening rise	-104 Aug 14 j 19:58	28°♌24'30		
	-104 Aug 16 j 02:42	0°♍		
	-104 Sep 09 j 05:17	0°♎		
desc. node	-104 Oct 01 j 02:56	27°♎14'31		
	-104 Oct 03 j 08:11	0°♏		
	-104 Oct 27 j 12:38	0°♐		
	-104 Nov 20 j 20:14	0°♑		
	-104 Dec 15 j 10:50	0°♒		
	-103 Jan 09 j 17:11	0°♓		
asc. node	-103 Jan 22 j 05:38	14°♓20'01		
	-103 Feb 05 j 11:57	0°♈		
evening max el	-103 Feb 18 j 01:27	12°♈56'02	46°02'25	
	-103 Mar 09 j 00:09	0°♉		
greatest brilliancy	-103 Mar 24 j 16:36	10°♉14'36	-4.5m	
retrograde	-103 Apr 08 j 09:55	14°♉05'04		
evening set	-103 Apr 24 j 02:35	9°♉19'37		
inferior conj	-103 Apr 29 j 21:09	5°♉49'12	3°10'41	
minimum elong	-103 Apr 30 j 03:37	5°♉39'00	3°08'56	
min. Earth dist.	-103 Apr 30 j 03:17	5°♉39'31	0.28996 AU	
morning rise	-103 May 06 j 04:36	2°♉00'00		
	-103 May 10 j 04:47	30°℞♈		
desc. node	-103 May 13 j 19:23	28°♈39'29		
direct	-103 May 21 j 11:20	27°♈29'44		
	-103 Jun 02 j 09:30	0°♉		
greatest brilliancy	-103 Jun 03 j 20:49	0°♉36'56	-4.5m	
morning max el	-103 Jul 09 j 06:44	27°♉14'21	45°49'20	
	-103 Jul 12 j 03:19	0°♊		
	-103 Aug 09 j 16:19	0°♋		
asc. node	-103 Sep 03 j 22:40	28°♋57'51		
	-103 Sep 04 j 19:46	0°♌		
	-103 Sep 29 j 19:06	0°♍		
	-103 Oct 24 j 03:02	0°♎		
	-103 Nov 17 j 03:29	0°♏		
	-103 Dec 11 j 01:29	0°♐		
desc. node	-103 Dec 24 j 12:18	16°♐52'20		
	-102 Jan 03 j 23:46	0°♑		
morning set	-102 Jan 10 j 01:13	7°♑35'15		
	-102 Jan 27 j 23:35	0°♒		
superior conj	-102 Feb 19 j 19:44	28°♒26'45	-1°-25'-20	
minimum elong	-102 Feb 19 j 20:08	28°♒28'00	1°25'21	
	-102 Feb 21 j 01:46	0°♓		
max. Earth dist.	-102 Feb 23 j 15:45	3°♓12'27	1.72391 AU	
	-102 Mar 17 j 06:58	0°♈		
evening rise	-102 Mar 30 j 15:10	16°♈26'59		
	-102 Apr 10 j 15:44	0°♉		
asc. node	-102 Apr 16 j 15:25	7°♉20'35		
	-102 May 05 j 04:17	0°♊		
	-102 May 29 j 20:56	0°♋		
	-102 Jun 23 j 18:53	0°♌		
	-102 Jul 19 j 01:04	0°♍		
desc. node	-102 Aug 06 j 05:02	21°♍10'54		
	-102 Aug 13 j 21:18	0°♎		
	-102 Sep 09 j 21:23	0°♏		
evening max el	-102 Sep 25 j 08:22	16°♏01'47	47°07'48	
	-102 Oct 10 j 05:29	0°♐		
greatest brilliancy	-102 Nov 03 j 07:02	16°♐19'00	-4.7m	
retrograde	-102 Nov 14 j 22:13	18°♐51'56		
asc. node	-102 Nov 27 j 07:54	15°♐44'04		
evening set	-102 Nov 29 j 06:16	14°♐44'58		
inferior conj	-102 Dec 05 j 11:26	11°♐06'34	2°05'41	
minimum elong	-102 Dec 05 j 06:47	11°♐13'41	2°04'13	
min. Earth dist.	-102 Dec 04 j 22:55	11°♐25'42	0.26429 AU	
morning rise	-102 Dec 11 j 07:38	7°♐41'02		
direct	-102 Dec 25 j 18:05	3°♐30'09		
greatest brilliancy	-101 Jan 06 j 02:51	5°♐55'40	-4.7m	
	-101 Feb 07 j 21:30	0°♑		
morning max el	-101 Feb 13 j 19:21	5°♑43'54	46°33'44	
	-101 Mar 08 j 22:49	0°♒		
desc. node	-101 Mar 18 j 21:58	11°♒01'09		
	-101 Apr 04 j 15:38	0°♓		
	-101 Apr 30 j 11:04	0°♈		
	-101 May 25 j 19:03	0°♉		
	-101 Jun 19 j 18:32	0°♊		
asc. node	-101 Jul 10 j 00:51	24°♊38'05		
	-101 Jul 14 j 10:06	0°♋		
	-101 Aug 07 j 18:17	0°♌		
morning set	-101 Aug 11 j 10:30	4°♌33'33		
	-101 Aug 31 j 20:32	0°♍		
max. Earth dist.	-101 Sep 15 j 04:23	17°♍56'06	1.71631 AU	
superior conj	-101 Sep 17 j 21:27	21°♍20'05	1°18'03	
minimum elong	-101 Sep 18 j 04:44	21°♍42'56	1°17'55	
	-101 Sep 24 j 19:11	0°♎		
	-101 Oct 18 j 16:29	0°♏		
evening rise	-101 Oct 27 j 19:44	11°♏28'30		
desc. node	-101 Oct 29 j 14:46	13°♏43'36		
	-101 Nov 11 j 14:00	0°♐		
	-101 Dec 05 j 12:49	0°♑		
	-101 Dec 29 j 14:28	0°♒		
	-100 Jan 22 j 21:44	0°♓		
	-100 Feb 16 j 15:21	0°♈		
asc. node	-100 Feb 19 j 17:38	3°♈42'10		
	-100 Mar 13 j 02:56	0°♉		
	-100 Apr 08 j 23:53	0°♊		
evening max el	-100 Apr 29 j 18:31	21°♊11'32	45°17'57	
	-100 May 09 j 09:13	0°♋		
greatest brilliancy	-100 Jun 03 j 17:54	17°♋30'01	-4.5m	
desc. node	-100 Jun 10 j 07:19	19°♋46'15		
retrograde	-100 Jun 17 j 05:12	20°♋38'44		
evening set	-100 Jul 02 j 23:45	15°♋54'53		
inferior conj	-100 Jul 08 j 14:09	12°♋33'45	-6°-1'-24	
minimum elong	-100 Jul 08 j 04:09	12°♋49'14	5°59'17	
min. Earth dist.	-100 Jul 08 j 17:32	12°♋28'30	0.28742 AU	
morning rise	-100 Jul 13 j 08:21	9°♋40'54		
direct	-100 Jul 30 j 05:16	4°♋19'39		
greatest brilliancy	-100 Aug 13 j 15:15	7°♋59'13	-4.5m	
	-100 Sep 12 j 00:36	0°♌		
morning max el	-100 Sep 18 j 01:31	5°♌51'04	46°25'17	
asc. node	-100 Oct 01 j 10:20	19°♌43'01		
	-100 Oct 10 j 18:58	0°♍		
	-100 Nov 05 j 16:17	0°♎		
	-100 Nov 30 j 11:50	0°♏		
	-100 Dec 24 j 21:10	0°♐		
	-99 Jan 18 j 03:18	0°♑		
desc. node	-99 Jan 21 j 00:17	3°♑33'25		
	-99 Feb 11 j 09:16	0°♒		
	-99 Mar 07 j 16:16	0°♓		
morning set	-99 Mar 25 j 02:03	21°♓27'17		
	-99 Apr 01 j 00:39	0°♈		

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

	-99 Apr 25 j 10:18	0°♉	
superior conj	-99 May 01 j 06:35	7°♉10'44	0°-29'-49
minimum elong	-99 May 01 j 12:27	7°♉28'46	0°29'33
max. Earth dist.	-99 May 01 j 17:53	7°♉45'27	1.73594 AU
asc. node	-99 May 14 j 03:14	22°♉58'21	
	-99 May 19 j 20:37	0°♊	
evening rise	-99 Jun 06 j 12:55	21°♊42'28	
	-99 Jun 13 j 06:57	0°♋	
	-99 Jul 07 j 17:14	0°♌	
	-99 Aug 01 j 04:21	0°♍	
	-99 Aug 25 j 17:51	0°♎	
desc. node	-99 Sep 02 j 17:02	9°♎41'17	
	-99 Sep 19 j 11:44	0°♏	
	-99 Oct 14 j 13:18	0°♐	
	-99 Nov 09 j 07:01	0°♑	
evening max el	-99 Dec 06 j 13:05	29°♑42'34	47°15'04
	-99 Dec 06 j 19:55	0°♒	
asc. node	-99 Dec 24 j 19:52	16°♒58'51	
greatest brilliancy	-98 Jan 12 j 16:36	29°♒55'01	-4.6m
	-98 Jan 12 j 20:48	0°♓	
retrograde	-98 Jan 26 j 11:05	3°♓24'55	
	-98 Feb 08 j 08:59	30°℞♒	
evening set	-98 Feb 13 j 06:50	27°♒12'24	
min. Earth dist.	-98 Feb 15 j 19:56	25°♒36'37	0.28126 AU
inferior conj	-98 Feb 16 j 12:10	25°♒10'51	8°38'28
minimum elong	-98 Feb 16 j 11:36	25°♒11'45	8°38'28
morning rise	-98 Feb 19 j 16:40	23°♒11'19	
direct	-98 Mar 09 j 11:55	17°♒08'02	
greatest brilliancy	-98 Mar 20 j 09:37	19°♒18'47	-4.5m
	-98 Apr 07 j 11:10	0°♓	
desc. node	-98 Apr 15 j 09:37	6°♓25'21	
morning max el	-98 Apr 27 j 11:56	17°♓27'12	45°53'31
	-98 May 10 j 02:08	0°♈	
	-98 Jun 06 j 21:29	0°♉	
	-98 Jul 03 j 03:11	0°♊	
	-98 Jul 28 j 11:36	0°♋	
asc. node	-98 Aug 06 j 12:49	10°♋54'21	
	-98 Aug 22 j 04:50	0°♌	
	-98 Sep 15 j 11:02	0°♍	
	-98 Oct 09 j 10:18	0°♎	
morning set	-98 Oct 22 j 11:06	16°♎23'42	
	-98 Nov 02 j 06:20	0°♏	
desc. node	-98 Nov 26 j 02:35	0°♐02'17	
	-98 Nov 26 j 01:52	0°♐	
superior conj	-98 Dec 02 j 14:08	8°♐11'44	0°-15'-19
minimum elong	-98 Dec 02 j 10:01	7°♐58'45	0°15'09
behind sun begin	-98 Dec 01 j 23:44	7°♐26'26	
behind sun end	-98 Dec 02 j 20:17	8°♐31'04	
max. Earth dist.	-98 Dec 04 j 19:57	11°♐00'58	1.71059 AU
	-98 Dec 19 j 22:23	0°♑	
	-97 Jan 12 j 20:54	0°♒	
evening rise	-97 Jan 13 j 07:18	0°♒32'33	
	-97 Feb 05 j 22:38	0°♓	
	-97 Mar 02 j 05:25	0°♈	
asc. node	-97 Mar 19 j 05:33	20°♈47'42	
	-97 Mar 26 j 19:30	0°♉	
	-97 Apr 20 j 19:36	0°♊	
	-97 May 16 j 10:08	0°♋	
	-97 Jun 12 j 01:09	0°♌	
desc. node	-97 Jul 08 j 19:18	27°♌54'05	
	-97 Jul 10 j 23:16	0°♍	
evening max el	-97 Jul 11 j 10:09	0°♍26'07	45°50'53
greatest brilliancy	-97 Aug 19 j 01:50	28°♍40'31	-4.6m
	-97 Aug 23 j 14:52	0°♎	
retrograde	-97 Aug 29 j 12:55	0°♎39'27	

	-97 Sep 04 j 07:29	30°℞♍	
evening set	-97 Sep 16 j 00:20	24°♍58'35	
inferior conj	-97 Sep 19 j 10:39	22°♍55'02	-8°-7'-51
minimum elong	-97 Sep 19 j 18:38	22°♍42'50	8°06'51
min. Earth dist.	-97 Sep 20 j 06:54	22°♍24'07	0.27349 AU
morning rise	-97 Sep 23 j 12:33	20°♍27'55	
direct	-97 Oct 10 j 07:11	15°♍02'17	
greatest brilliancy	-97 Oct 24 j 03:19	18°♍32'02	-4.7m
asc. node	-97 Oct 29 j 22:05	21°♍43'00	
	-97 Nov 10 j 06:27	0°♎	
morning max el	-97 Nov 30 j 01:45	18°♎30'50	46°55'46
	-97 Dec 10 j 23:04	0°♏	
	-96 Jan 06 j 13:01	0°♐	
	-96 Jan 31 j 23:19	0°♑	
desc. node	-96 Feb 18 j 12:10	21°♑00'54	
	-96 Feb 25 j 23:13	0°♒	
	-96 Mar 21 j 18:42	0°♓	
	-96 Apr 15 j 11:58	0°♈	
	-96 May 10 j 03:32	0°♉	
morning set	-96 Jun 01 j 04:58	26°♉56'43	
	-96 Jun 03 j 16:50	0°♊	
asc. node	-96 Jun 10 j 15:07	8°♊29'39	
	-96 Jun 28 j 02:57	0°♋	
max. Earth dist.	-96 Jul 04 j 01:02	7°♋18'07	1.73208 AU
superior conj	-96 Jul 07 j 10:54	11°♋30'49	0°57'48
minimum elong	-96 Jul 07 j 02:14	11°♋04'03	0°57'30
	-96 Jul 22 j 09:34	0°♌	
evening rise	-96 Aug 12 j 12:59	26°♌14'37	
	-96 Aug 15 j 13:31	0°♍	
	-96 Sep 08 j 16:19	0°♎	
desc. node	-96 Sep 30 j 04:56	26°♎45'37	
	-96 Oct 02 j 19:31	0°♏	
	-96 Oct 27 j 00:21	0°♐	
	-96 Nov 20 j 08:28	0°♑	
	-96 Dec 14 j 23:51	0°♒	
	-95 Jan 09 j 07:43	0°♓	
asc. node	-95 Jan 21 j 07:45	13°♓41'35	
	-95 Feb 05 j 06:11	0°♈	
evening max el	-95 Feb 15 j 16:16	10°♈40'42	46°05'06
	-95 Mar 09 j 11:58	0°♉	
greatest brilliancy	-95 Mar 22 j 08:09	8°♉04'26	-4.5m
retrograde	-95 Apr 06 j 03:01	11°♉57'00	
evening set	-95 Apr 21 j 21:13	7°♉08'02	
inferior conj	-95 Apr 27 j 13:43	3°♉40'36	3°28'44
minimum elong	-95 Apr 27 j 20:42	3°♉29'36	3°26'52
min. Earth dist.	-95 Apr 27 j 19:40	3°♉31'14	0.28992 AU
morning rise	-95 May 03 j 20:11	29°♈53'03	
	-95 May 03 j 15:12	30°℞♈	
desc. node	-95 May 12 j 21:25	26°♈07'41	
direct	-95 May 19 j 03:32	25°♈21'04	
greatest brilliancy	-95 Jun 01 j 12:43	28°♈28'21	-4.5m
	-95 Jun 04 j 17:25	0°♉	
morning max el	-95 Jul 06 j 23:33	25°♉06'58	45°48'42
	-95 Jul 12 j 00:02	0°♊	
	-95 Aug 09 j 07:23	0°♋	
asc. node	-95 Sep 03 j 00:34	28°♋24'59	
	-95 Sep 04 j 08:46	0°♌	
	-95 Sep 29 j 07:09	0°♍	
	-95 Oct 23 j 14:35	0°♎	
	-95 Nov 16 j 14:46	0°♏	
	-95 Dec 10 j 12:37	0°♐	
desc. node	-95 Dec 23 j 14:29	16°♐24'34	
	-94 Jan 03 j 10:45	0°♑	
morning set	-94 Jan 07 j 11:14	5°♑02'03	
	-94 Jan 27 j 10:29	0°♒	

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

superior conj	-94 Feb 17 j 08:43	26°♒04'20	-1°-25'-20
minimum elong	-94 Feb 17 j 08:11	26°♒02'41	1°25'22
	-94 Feb 20 j 12:34	0°♓	
max. Earth dist.	-94 Feb 21 j 04:04	0°♓48'09	1.72337 AU
	-94 Mar 16 j 17:44	0°♈	
evening rise	-94 Mar 28 j 06:41	14°♈13'56	
	-94 Apr 10 j 02:31	0°♉	
asc. node	-94 Apr 15 j 17:25	6°♉53'37	
	-94 May 04 j 15:13	0°♊	
	-94 May 29 j 08:13	0°♋	
	-94 Jun 23 j 06:48	0°♌	
	-94 Jul 18 j 14:03	0°♍	
desc. node	-94 Aug 05 j 07:05	20°♍35'57	
	-94 Aug 13 j 12:12	0°♎	
	-94 Sep 09 j 16:19	0°♏	
evening max el	-94 Sep 22 j 22:56	13°♏40'52	47°05'56
	-94 Oct 10 j 15:10	0°♐	
greatest brilliancy	-94 Oct 31 j 20:29	13°♐51'17	-4.7m
retrograde	-94 Nov 12 j 11:24	16°♐23'11	
asc. node	-94 Nov 26 j 09:59	12°♐28'14	
evening set	-94 Nov 26 j 18:23	12°♐17'06	
inferior conj	-94 Dec 02 j 23:44	8°♐38'25	1°41'51
minimum elong	-94 Dec 02 j 19:56	8°♐44'14	1°40'38
min. Earth dist.	-94 Dec 02 j 12:10	8°♐56'05	0.26404 AU
morning rise	-94 Dec 08 j 21:53	5°♐10'47	
direct	-94 Dec 23 j 06:57	1°♐02'34	
greatest brilliancy	-93 Jan 03 j 15:58	3°♐28'58	-4.7m
	-93 Feb 07 j 22:37	0°♑	
morning max el	-93 Feb 11 j 09:34	3°♑23'17	46°35'02
	-93 Mar 08 j 15:36	0°♒	
desc. node	-93 Mar 17 j 23:56	10°♒23'21	
	-93 Apr 04 j 05:32	0°♓	
	-93 Apr 29 j 23:32	0°♈	
	-93 May 25 j 06:40	0°♉	
	-93 Jun 19 j 05:38	0°♊	
asc. node	-93 Jul 09 j 02:59	24°♊11'27	
	-93 Jul 13 j 20:55	0°♋	
	-93 Aug 07 j 04:59	0°♌	
morning set	-93 Aug 09 j 02:59	2°♌22'35	
	-93 Aug 31 j 07:15	0°♍	
max. Earth dist.	-93 Sep 12 j 13:47	15°♍21'27	1.71679 AU
superior conj	-93 Sep 15 j 11:53	19°♍01'04	1°19'22
minimum elong	-93 Sep 15 j 18:29	19°♍21'47	1°19'14
	-93 Sep 24 j 06:00	0°♎	
	-93 Oct 18 j 03:24	0°♏	
evening rise	-93 Oct 25 j 06:32	8°♏57'16	
desc. node	-93 Oct 28 j 16:52	13°♏15'45	
	-93 Nov 11 j 01:01	0°♐	
	-93 Dec 04 j 23:59	0°♑	
	-93 Dec 29 j 01:49	0°♒	
	-92 Jan 22 j 09:25	0°♓	
	-92 Feb 16 j 03:40	0°♈	
asc. node	-92 Feb 18 j 19:36	3°♈10'58	
	-92 Mar 12 j 16:33	0°♉	
	-92 Apr 08 j 16:38	0°♊	
evening max el	-92 Apr 27 j 10:37	19°♊02'09	45°18'10
	-92 May 09 j 13:27	0°♋	
greatest brilliancy	-92 Jun 01 j 08:47	15°♋19'34	-4.5m
desc. node	-92 Jun 09 j 09:30	17°♋55'50	
retrograde	-92 Jun 14 j 20:27	18°♋28'51	
evening set	-92 Jun 30 j 13:03	13°♋48'38	
inferior conj	-92 Jul 06 j 06:01	10°♋23'37	-5°-46'-26
minimum elong	-92 Jul 05 j 20:07	10°♋38'59	5°44'17
min. Earth dist.	-92 Jul 06 j 09:13	10°♋18'39	0.28763 AU
morning rise	-92 Jul 11 j 02:57	7°♋26'26	
direct	-92 Jul 27 j 21:26	2°♋09'19	
greatest brilliancy	-92 Aug 11 j 05:50	5°♋46'20	-4.5m
	-92 Sep 12 j 00:29	0°♌	
morning max el	-92 Sep 15 j 15:36	3°♌32'53	46°23'39
asc. node	-92 Sep 30 j 12:25	19°♌00'27	
	-92 Oct 10 j 11:13	0°♍	
	-92 Nov 05 j 06:04	0°♎	
	-92 Nov 30 j 00:28	0°♏	
	-92 Dec 24 j 09:08	0°♐	
	-91 Jan 17 j 14:48	0°♑	
desc. node	-91 Jan 20 j 02:20	3°♑04'16	
	-91 Feb 10 j 20:26	0°♒	
	-91 Mar 07 j 03:10	0°♓	
morning set	-91 Mar 22 j 18:03	19°♓15'40	
	-91 Mar 31 j 11:22	0°♈	
	-91 Apr 24 j 20:55	0°♉	
superior conj	-91 Apr 29 j 00:22	5°♉05'23	0°-32'-46
minimum elong	-91 Apr 29 j 06:45	5°♉24'59	0°32'30
max. Earth dist.	-91 Apr 29 j 15:08	5°♉50'45	1.73576 AU
asc. node	-91 May 13 j 05:24	22°♉32'25	
	-91 May 19 j 07:13	0°♊	
evening rise	-91 Jun 04 j 08:01	19°♊40'55	
	-91 Jun 12 j 17:40	0°♋	
	-91 Jul 07 j 04:12	0°♌	
	-91 Jul 31 j 15:42	0°♍	
	-91 Aug 25 j 05:45	0°♎	
desc. node	-91 Sep 01 j 19:01	9°♎10'30	
	-91 Sep 19 j 00:26	0°♏	
	-91 Oct 14 j 03:18	0°♐	
	-91 Nov 08 j 23:22	0°♑	
evening max el	-91 Dec 04 j 03:21	27°♑19'58	47°16'28
	-91 Dec 06 j 18:27	0°♒	
asc. node	-91 Dec 23 j 22:01	15°♒52'30	
greatest brilliancy	-90 Jan 10 j 10:43	27°♒39'46	-4.6m
	-90 Jan 16 j 12:49	0°♓	
retrograde	-90 Jan 24 j 02:03	1°♓06'38	
	-90 Jan 31 j 09:37	30°R♒	
evening set	-90 Feb 10 j 20:57	24°♒56'33	
min. Earth dist.	-90 Feb 13 j 10:23	23°♒20'19	0.28063 AU
inferior conj	-90 Feb 14 j 03:16	22°♒53'32	8°37'59
minimum elong	-90 Feb 14 j 01:53	22°♒55'45	8°37'58
morning rise	-90 Feb 17 j 07:04	20°♒54'59	
direct	-90 Mar 07 j 01:53	14°♒51'48	
greatest brilliancy	-90 Mar 17 j 22:52	17°♒01'26	-4.5m
	-90 Apr 07 j 23:09	0°♓	
desc. node	-90 Apr 14 j 11:42	5°♓27'16	
morning max el	-90 Apr 25 j 01:31	15°♓10'17	45°54'31
	-90 May 09 j 20:31	0°♈	
	-90 Jun 06 j 11:49	0°♉	
	-90 Jul 02 j 15:49	0°♊	
	-90 Jul 27 j 23:23	0°♋	
asc. node	-90 Aug 05 j 14:46	10°♋25'13	
	-90 Aug 21 j 16:10	0°♌	
	-90 Sep 14 j 22:08	0°♍	
	-90 Oct 08 j 21:18	0°♎	
morning set	-90 Oct 19 j 23:10	13°♎55'58	
	-90 Nov 01 j 17:20	0°♏	
desc. node	-90 Nov 25 j 04:44	29°♏34'17	
	-90 Nov 25 j 12:54	0°♐	
superior conj	-90 Nov 29 j 23:26	5°♐35'17	0°-11'-20
minimum elong	-90 Nov 29 j 20:22	5°♐25'37	0°11'13
behind sun begin	-90 Nov 29 j 00:37	4°♐23'29	
behind sun end	-90 Nov 30 j 16:06	6°♐27'45	
max. Earth dist.	-90 Dec 01 j 21:12	7°♐59'17	1.71046 AU
	-90 Dec 19 j 09:27	0°♑	
evening rise	-89 Jan 10 j 17:37	28°♑00'06	

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

	-89 Jan 12 j 07:58	0°♒	
	-89 Feb 05 j 09:45	0°♓	
	-89 Mar 01 j 16:39	0°♈	
asc. node	-89 Mar 18 j 07:37	20°♈19'13	
	-89 Mar 26 j 07:03	0°♉	
	-89 Apr 20 j 07:47	0°♊	
	-89 May 15 j 23:34	0°♋	
	-89 Jun 11 j 17:15	0°♌	
desc. node	-89 Jul 07 j 21:18	27°♌04'08	
evening max el	-89 Jul 08 j 23:02	28°♌06'00	45°48'35
	-89 Jul 10 j 22:59	0°♍	
greatest brilliancy	-89 Aug 16 j 12:47	26°♍17'04	-4.6m
retrograde	-89 Aug 27 j 01:51	28°♍17'53	
evening set	-89 Sep 13 j 15:51	22°♍32'39	
inferior conj	-89 Sep 16 j 23:55	20°♍32'30	-8°-15'-59
minimum elong	-89 Sep 17 j 07:15	20°♍21'19	8°15'11
min. Earth dist.	-89 Sep 17 j 20:06	20°♍01'44	0.27417 AU
morning rise	-89 Sep 20 j 22:20	18°♍10'38	
direct	-89 Oct 07 j 21:03	12°♍38'31	
greatest brilliancy	-89 Oct 21 j 19:53	16°♍11'31	-4.7m
asc. node	-89 Oct 29 j 00:12	20°♍16'24	
	-89 Nov 10 j 16:59	0°♎	
morning max el	-89 Nov 27 j 16:04	16°♎06'58	46°55'31
	-89 Dec 10 j 18:11	0°♏	
	-88 Jan 06 j 04:15	0°♐	
	-88 Jan 31 j 12:49	0°♑	
desc. node	-88 Feb 17 j 14:06	20°♑28'27	
	-88 Feb 25 j 11:42	0°♒	
	-88 Mar 21 j 06:30	0°♓	
	-88 Apr 14 j 23:18	0°♈	
	-88 May 09 j 14:33	0°♉	
morning set	-88 May 29 j 23:30	24°♉53'18	
	-88 Jun 03 j 03:40	0°♊	
asc. node	-88 Jun 09 j 17:13	8°♊02'58	
	-88 Jun 27 j 13:43	0°♋	
max. Earth dist.	-88 Jul 02 j 00:01	5°♋27'37	1.73249 AU
superior conj	-88 Jul 05 j 05:24	9°♋26'26	0°55'29
minimum elong	-88 Jul 04 j 20:49	8°♋59'56	0°55'10
	-88 Jul 21 j 20:25	0°♌	
evening rise	-88 Aug 10 j 06:07	24°♌04'37	
	-88 Aug 15 j 00:31	0°♍	
	-88 Sep 08 j 03:35	0°♎	
desc. node	-88 Sep 29 j 07:02	26°♎16'17	
	-88 Oct 02 j 07:06	0°♏	
	-88 Oct 26 j 12:18	0°♐	
	-88 Nov 19 j 20:55	0°♑	
	-88 Dec 14 j 13:08	0°♒	
	-87 Jan 08 j 22:37	0°♓	
asc. node	-87 Jan 20 j 09:42	13°♓01'38	
	-87 Feb 05 j 01:10	0°♈	
evening max el	-87 Feb 13 j 07:58	8°♈26'48	46°07'45
	-87 Mar 10 j 04:23	0°♉	
greatest brilliancy	-87 Mar 20 j 00:22	5°♉54'15	-4.5m
retrograde	-87 Apr 03 j 20:22	9°♉47'45	
evening set	-87 Apr 19 j 15:56	4°♉55'24	
inferior conj	-87 Apr 25 j 06:12	1°♉30'54	3°46'30
minimum elong	-87 Apr 25 j 13:40	1°♉19'10	3°44'34
min. Earth dist.	-87 Apr 25 j 11:42	1°♉22'15	0.28985 AU
	-87 Apr 27 j 16:18	30°℞♈	
morning rise	-87 May 01 j 11:29	27°♈45'17	
desc. node	-87 May 11 j 23:34	23°♈39'37	
direct	-87 May 16 j 20:02	23°♈11'32	
greatest brilliancy	-87 May 30 j 03:32	26°♈17'41	-4.5m
	-87 Jun 06 j 05:50	0°♉	
morning max el	-87 Jul 04 j 16:33	22°♉59'29	45°48'09
	-87 Jul 11 j 20:18	0°♊	
	-87 Aug 08 j 22:28	0°♋	
asc. node	-87 Sep 02 j 02:42	27°♋52'14	
	-87 Sep 03 j 21:56	0°♌	
	-87 Sep 28 j 19:27	0°♍	
	-87 Oct 23 j 02:27	0°♎	
	-87 Nov 16 j 02:24	0°♏	
	-87 Dec 10 j 00:04	0°♐	
desc. node	-87 Dec 22 j 16:31	15°♐55'20	
	-86 Jan 02 j 22:04	0°♑	
morning set	-86 Jan 04 j 21:02	2°♑27'05	
	-86 Jan 26 j 21:40	0°♒	
superior conj	-86 Feb 14 j 21:21	23°♒39'47	-1°-25'-11
minimum elong	-86 Feb 14 j 19:53	23°♒35'11	1°25'12
max. Earth dist.	-86 Feb 18 j 18:39	28°♒29'49	1.72284 AU
	-86 Feb 19 j 23:40	0°♓	
	-86 Mar 16 j 04:49	0°♈	
evening rise	-86 Mar 25 j 22:00	11°♈59'11	
	-86 Apr 09 j 13:40	0°♉	
asc. node	-86 Apr 14 j 19:35	6°♉26'03	
	-86 May 04 j 02:32	0°♊	
	-86 May 28 j 19:52	0°♋	
	-86 Jun 22 j 19:06	0°♌	
	-86 Jul 18 j 03:27	0°♍	
desc. node	-86 Aug 04 j 09:05	19°♍59'41	
	-86 Aug 13 j 03:38	0°♎	
	-86 Sep 09 j 12:13	0°♏	
evening max el	-86 Sep 20 j 13:27	11°♏18'41	47°03'43
	-86 Oct 11 j 04:55	0°♐	
greatest brilliancy	-86 Oct 29 j 10:37	11°♐22'33	-4.7m
retrograde	-86 Nov 10 j 00:04	13°♐51'56	
evening set	-86 Nov 24 j 06:30	9°♐46'47	
asc. node	-86 Nov 25 j 12:07	9°♐06'07	
inferior conj	-86 Nov 30 j 11:47	6°♐08'03	1°17'33
minimum elong	-86 Nov 30 j 08:52	6°♐12'31	1°16'36
min. Earth dist.	-86 Nov 30 j 01:29	6°♐23'47	0.26382 AU
morning rise	-86 Dec 06 j 11:40	2°♐38'13	
	-86 Dec 12 j 10:01	30°℞♏	
direct	-86 Dec 20 j 19:29	28°♏32'46	
	-86 Dec 29 j 11:40	0°♐	
greatest brilliancy	-85 Jan 01 j 04:53	0°♐59'45	-4.7m
	-85 Feb 07 j 23:09	0°♑	
morning max el	-85 Feb 08 j 22:44	0°♑58'22	46°36'22
	-85 Mar 08 j 08:34	0°♒	
desc. node	-85 Mar 17 j 02:08	9°♒45'15	
	-85 Apr 03 j 19:43	0°♓	
	-85 Apr 29 j 12:20	0°♈	
	-85 May 24 j 18:39	0°♉	
	-85 Jun 18 j 17:07	0°♊	
asc. node	-85 Jul 08 j 04:58	23°♊43'09	
	-85 Jul 13 j 08:07	0°♋	
morning set	-85 Aug 06 j 19:44	0°♌11'27	
	-85 Aug 06 j 16:03	0°♌	
	-85 Aug 30 j 18:19	0°♍	
max. Earth dist.	-85 Sep 09 j 23:34	12°♍47'07	1.71730 AU
superior conj	-85 Sep 13 j 02:45	16°♍42'34	1°20'30
minimum elong	-85 Sep 13 j 08:40	17°♍01'06	1°20'25
	-85 Sep 23 j 17:08	0°♎	
	-85 Oct 17 j 14:40	0°♏	
evening rise	-85 Oct 22 j 17:34	6°♏25'44	
desc. node	-85 Oct 27 j 19:01	12°♏46'51	
	-85 Nov 10 j 12:27	0°♐	
	-85 Dec 04 j 11:35	0°♑	
	-85 Dec 28 j 13:39	0°♒	
	-84 Jan 21 j 21:36	0°♓	
	-84 Feb 15 j 16:30	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	-84 Feb 17 j 21:42	2°♈38'39	
	-84 Mar 12 j 06:48	0°♉	
	-84 Apr 08 j 10:15	0°♊	
evening max el	-84 Apr 25 j 01:44	16°♊48'58	45°18'30
	-84 May 09 j 20:23	0°♋	
greatest brilliancy	-84 May 29 j 23:08	13°♋07'02	-4.5m
desc. node	-84 Jun 08 j 11:32	15°♋59'46	
retrograde	-84 Jun 12 j 11:27	16°♋17'42	
evening set	-84 Jun 28 j 02:23	11°♋40'39	
inferior conj	-84 Jul 03 j 21:49	8°♋12'11	-5°-31'00
minimum elong	-84 Jul 03 j 12:04	8°♋27'22	5°28'48
min. Earth dist.	-84 Jul 04 j 01:14	8°♋06'53	0.28783 AU
morning rise	-84 Jul 08 j 21:26	5°♋10'46	
	-84 Jul 24 j 01:44	30°℞♊	
direct	-84 Jul 25 j 13:03	29°♊57'29	
	-84 Jul 27 j 00:36	0°♋	
greatest brilliancy	-84 Aug 08 j 20:58	3°♋32'56	-4.5m
	-84 Sep 11 j 23:45	0°♌	
morning max el	-84 Sep 13 j 05:22	1°♌12'55	46°22'17
asc. node	-84 Sep 29 j 14:33	18°♌17'36	
	-84 Oct 10 j 03:31	0°♍	
	-84 Nov 04 j 20:03	0°♎	
	-84 Nov 29 j 13:21	0°♏	
	-84 Dec 23 j 21:24	0°♐	
	-83 Jan 17 j 02:41	0°♑	
desc. node	-83 Jan 19 j 04:19	2°♑33'47	
	-83 Feb 10 j 08:01	0°♒	
	-83 Mar 06 j 14:29	0°♓	
morning set	-83 Mar 20 j 09:27	17°♓00'50	
	-83 Mar 30 j 22:29	0°♈	
	-83 Apr 24 j 07:54	0°♉	
superior conj	-83 Apr 26 j 17:46	2°♉57'41	0°-35'-44
minimum elong	-83 Apr 27 j 00:38	3°♉18'48	0°35'26
max. Earth dist.	-83 Apr 27 j 10:55	3°♉50'22	1.73554 AU
asc. node	-83 May 12 j 07:24	22°♉04'52	
	-83 May 18 j 18:12	0°♊	
evening rise	-83 Jun 02 j 02:54	17°♊37'38	
	-83 Jun 12 j 04:47	0°♋	
	-83 Jul 06 j 15:34	0°♌	
	-83 Jul 31 j 03:26	0°♍	
	-83 Aug 24 j 18:01	0°♎	
desc. node	-83 Aug 31 j 21:11	8°♎39'13	
	-83 Sep 18 j 13:30	0°♏	
	-83 Oct 13 j 17:39	0°♐	
	-83 Nov 08 j 16:13	0°♑	
evening max el	-83 Dec 01 j 16:59	24°♑55'06	47°17'45
	-83 Dec 06 j 18:13	0°♒	
asc. node	-83 Dec 22 j 23:56	14°♒43'08	
greatest brilliancy	-82 Jan 08 j 03:45	25°♒21'55	-4.6m
retrograde	-82 Jan 21 j 16:59	28°♒47'13	
evening set	-82 Feb 08 j 10:34	22°♒39'47	
min. Earth dist.	-82 Feb 11 j 00:49	21°♒02'31	0.28005 AU
inferior conj	-82 Feb 11 j 18:17	20°♒34'50	8°36'38
minimum elong	-82 Feb 11 j 16:04	20°♒38'21	8°36'33
morning rise	-82 Feb 14 j 21:48	18°♒36'46	
direct	-82 Mar 04 j 15:33	12°♒33'56	
greatest brilliancy	-82 Mar 15 j 12:54	14°♒43'37	-4.5m
	-82 Apr 08 j 08:34	0°♓	
desc. node	-82 Apr 13 j 13:50	4°♓29'26	
morning max el	-82 Apr 22 j 15:43	12°♓53'36	45°55'34
	-82 May 09 j 14:51	0°♈	
	-82 Jun 06 j 02:21	0°♉	
	-82 Jul 02 j 04:41	0°♊	
	-82 Jul 27 j 11:24	0°♋	
asc. node	-82 Aug 04 j 16:50	9°♋55'44	
	-82 Aug 21 j 03:44	0°♌	
	-82 Sep 14 j 09:29	0°♍	
	-82 Oct 08 j 08:32	0°♎	
morning set	-82 Oct 17 j 11:39	11°♎28'53	
	-82 Nov 01 j 04:32	0°♏	
desc. node	-82 Nov 24 j 06:45	29°♏05'27	
	-82 Nov 25 j 00:05	0°♐	
superior conj	-82 Nov 27 j 09:08	2°♐59'37	0°-7'-23
minimum elong	-82 Nov 27 j 07:08	2°♐53'19	0°07'17
behind sun begin	-82 Nov 26 j 06:55	1°♐37'06	
behind sun end	-82 Nov 28 j 07:21	4°♐09'31	
max. Earth dist.	-82 Nov 29 j 02:15	5°♐09'00	1.71033 AU
	-82 Dec 18 j 20:37	0°♑	
evening rise	-81 Jan 08 j 04:18	25°♑28'29	
	-81 Jan 11 j 19:09	0°♒	
	-81 Feb 04 j 20:59	0°♓	
	-81 Mar 01 j 04:04	0°♈	
asc. node	-81 Mar 17 j 09:45	19°♈50'21	
	-81 Mar 25 j 18:49	0°♉	
	-81 Apr 19 j 20:14	0°♊	
	-81 May 15 j 13:20	0°♋	
	-81 Jun 11 j 09:51	0°♌	
evening max el	-81 Jul 06 j 12:49	25°♌47'44	45°46'24
desc. node	-81 Jul 06 j 23:19	26°♌12'51	
	-81 Jul 11 j 00:05	0°♍	
greatest brilliancy	-81 Aug 13 j 22:52	23°♍52'32	-4.5m
retrograde	-81 Aug 24 j 15:10	25°♍55'59	
evening set	-81 Sep 11 j 07:07	20°♍06'44	
inferior conj	-81 Sep 14 j 13:08	18°♍09'35	-8°-23'-20
minimum elong	-81 Sep 14 j 19:47	17°♍59'29	8°22'41
min. Earth dist.	-81 Sep 15 j 08:53	17°♍39'31	0.27483 AU
morning rise	-81 Sep 18 j 08:09	15°♍52'49	
direct	-81 Oct 05 j 11:23	10°♍14'30	
greatest brilliancy	-81 Oct 19 j 11:40	13°♍49'43	-4.6m
asc. node	-81 Oct 28 j 02:15	18°♍52'13	
	-81 Nov 11 j 00:53	0°♎	
morning max el	-81 Nov 25 j 07:18	13°♎45'19	46°55'23
	-81 Dec 10 j 12:52	0°♏	
	-80 Jan 05 j 19:18	0°♐	
	-80 Jan 31 j 02:09	0°♑	
desc. node	-80 Feb 16 j 16:19	19°♑57'06	
	-80 Feb 25 j 00:02	0°♒	
	-80 Mar 20 j 18:12	0°♓	
	-80 Apr 14 j 10:36	0°♈	
	-80 May 09 j 01:35	0°♉	
morning set	-80 May 27 j 17:59	22°♉49'42	
	-80 Jun 02 j 14:32	0°♊	
asc. node	-80 Jun 08 j 19:13	7°♊35'54	
	-80 Jun 27 j 00:31	0°♋	
max. Earth dist.	-80 Jun 29 j 22:14	3°♋34'50	1.73287 AU
superior conj	-80 Jul 02 j 23:46	7°♋21'36	0°53'05
minimum elong	-80 Jul 02 j 15:19	6°♋55'32	0°52'45
	-80 Jul 21 j 07:15	0°♌	
evening rise	-80 Aug 07 j 23:12	21°♌54'36	
	-80 Aug 14 j 11:32	0°♍	
	-80 Sep 07 j 14:51	0°♎	
desc. node	-80 Sep 28 j 09:08	25°♎47'01	
	-80 Oct 01 j 18:42	0°♏	
	-80 Oct 26 j 00:17	0°♐	
	-80 Nov 19 j 09:23	0°♑	
	-80 Dec 14 j 02:25	0°♒	
	-79 Jan 08 j 13:32	0°♓	
asc. node	-79 Jan 19 j 11:52	12°♓22'38	
	-79 Feb 04 j 20:24	0°♈	
evening max el	-79 Feb 11 j 00:29	6°♈15'33	46°10'26
	-79 Mar 11 j 01:58	0°♉	

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

greatest brilliancy	-79 Mar 17 j 17:34	3°♉46'24	-4.5m
retrograde	-79 Apr 01 j 13:41	7°♉39'34	
evening set	-79 Apr 17 j 10:57	2°♉44'00	
	-79 Apr 21 j 23:02	30°℞♈	
inferior conj	-79 Apr 22 j 22:55	29°♈22'23	4°03'54
minimum elong	-79 Apr 23 j 06:47	29°♈09'59	4°01'53
min. Earth dist.	-79 Apr 23 j 03:49	29°♈14'39	0.28978 AU
morning rise	-79 Apr 29 j 02:50	25°♈38'44	
desc. node	-79 May 11 j 01:35	21°♈17'40	
direct	-79 May 14 j 13:01	21°♈03'18	
greatest brilliancy	-79 May 27 j 17:36	24°♈06'55	-4.5m
	-79 Jun 07 j 07:06	0°♉	
morning max el	-79 Jul 02 j 09:28	20°♉52'19	45°47'26
	-79 Jul 11 j 15:48	0°♊	
	-79 Aug 08 j 13:14	0°♋	
asc. node	-79 Sep 01 j 04:52	27°♋20'08	
	-79 Sep 03 j 10:53	0°♌	
	-79 Sep 28 j 07:32	0°♍	
	-79 Oct 22 j 14:07	0°♎	
	-79 Nov 15 j 13:50	0°♏	
	-79 Dec 09 j 11:19	0°♐	
desc. node	-79 Dec 21 j 18:31	15°♐26'31	
morning set	-78 Jan 02 j 06:53	29°♐52'52	
	-78 Jan 02 j 09:10	0°♑	
	-78 Jan 26 j 08:38	0°♒	
superior conj	-78 Feb 12 j 10:06	21°♒16'12	-1°-24'-53
minimum elong	-78 Feb 12 j 07:39	21°♒08'35	1°24'53
max. Earth dist.	-78 Feb 16 j 10:40	26°♒16'38	1.72224 AU
	-78 Feb 19 j 10:32	0°♓	
	-78 Mar 15 j 15:37	0°♈	
evening rise	-78 Mar 23 j 13:30	9°♈45'49	
	-78 Apr 09 j 00:29	0°♉	
asc. node	-78 Apr 13 j 21:38	5°♉59'03	
	-78 May 03 j 13:32	0°♊	
	-78 May 28 j 07:16	0°♋	
	-78 Jun 22 j 07:12	0°♌	
	-78 Jul 17 j 16:44	0°♍	
desc. node	-78 Aug 03 j 11:15	19°♍24'25	
	-78 Aug 12 j 19:02	0°♎	
	-78 Sep 09 j 08:26	0°♏	
evening max el	-78 Sep 18 j 03:29	8°♏56'12	47°01'26
	-78 Oct 11 j 22:40	0°♐	
greatest brilliancy	-78 Oct 27 j 01:32	8°♐55'46	-4.7m
retrograde	-78 Nov 07 j 12:09	11°♐21'41	
evening set	-78 Nov 21 j 18:55	7°♐17'16	
asc. node	-78 Nov 24 j 14:06	5°♐42'29	
inferior conj	-78 Nov 27 j 23:55	3°♐38'52	0°53'07
minimum elong	-78 Nov 27 j 21:54	3°♐41'57	0°52'27
min. Earth dist.	-78 Nov 27 j 15:16	3°♐52'05	0.26365 AU
morning rise	-78 Dec 04 j 01:16	0°♐06'52	
	-78 Dec 04 j 06:27	30°℞♏	
direct	-78 Dec 18 j 07:41	26°♏03'59	
greatest brilliancy	-78 Dec 29 j 18:40	28°♏32'17	-4.7m
	-77 Jan 01 j 23:36	0°♐	
morning max el	-77 Feb 06 j 11:13	28°♐32'23	46°37'47
	-77 Feb 07 j 22:16	0°♑	
	-77 Mar 08 j 00:51	0°♒	
desc. node	-77 Mar 16 j 04:10	9°♒08'03	
	-77 Apr 03 j 09:24	0°♓	
	-77 Apr 29 j 00:39	0°♈	
	-77 May 24 j 06:10	0°♉	
	-77 Jun 18 j 04:10	0°♊	
asc. node	-77 Jul 07 j 07:07	23°♊16'31	
	-77 Jul 12 j 18:55	0°♋	
morning set	-77 Aug 04 j 12:35	28°♋01'39	
	-77 Aug 06 j 02:47	0°♌	
	-77 Aug 30 j 05:05	0°♍	
max. Earth dist.	-77 Sep 07 j 09:59	10°♍15'43	1.71785 AU
superior conj	-77 Sep 10 j 17:44	14°♍25'21	1°21'30
minimum elong	-77 Sep 10 j 22:56	14°♍41'40	1°21'26
	-77 Sep 23 j 03:59	0°♎	
	-77 Oct 17 j 01:38	0°♏	
evening rise	-77 Oct 20 j 04:38	3°♏55'21	
desc. node	-77 Oct 26 j 21:00	12°♏18'29	
	-77 Nov 09 j 23:33	0°♐	
	-77 Dec 03 j 22:52	0°♑	
	-77 Dec 28 j 01:11	0°♒	
	-76 Jan 21 j 09:30	0°♓	
	-76 Feb 15 j 05:04	0°♈	
asc. node	-76 Feb 16 j 23:51	2°♈07'25	
	-76 Mar 11 j 20:46	0°♉	
	-76 Apr 08 j 03:45	0°♊	
evening max el	-76 Apr 22 j 16:32	14°♊36'37	45°19'05
	-76 May 10 j 05:01	0°♋	
greatest brilliancy	-76 May 27 j 12:29	10°♋55'19	-4.5m
desc. node	-76 Jun 07 j 13:32	14°♋01'44	
retrograde	-76 Jun 10 j 02:54	14°♋09'10	
evening set	-76 Jun 25 j 16:10	9°♋34'38	
inferior conj	-76 Jul 01 j 13:57	6°♋03'10	-5°-15'-16
minimum elong	-76 Jul 01 j 04:23	6°♋18'01	5°13'02
min. Earth dist.	-76 Jul 01 j 17:34	5°♋57'32	0.28806 AU
morning rise	-76 Jul 06 j 16:13	2°♋57'46	
	-76 Jul 12 j 14:31	30°℞♊	
direct	-76 Jul 23 j 04:48	27°♊47'52	
	-76 Aug 03 j 07:09	0°♋	
greatest brilliancy	-76 Aug 06 j 13:31	1°♋23'19	-4.5m
morning max el	-76 Sep 10 j 19:52	28°♋56'08	46°20'44
	-76 Sep 11 j 21:37	0°♌	
asc. node	-76 Sep 28 j 16:34	17°♌36'00	
	-76 Oct 09 j 19:13	0°♍	
	-76 Nov 04 j 09:36	0°♎	
	-76 Nov 29 j 01:51	0°♏	
	-76 Dec 23 j 09:18	0°♐	
	-75 Jan 16 j 14:10	0°♑	
desc. node	-75 Jan 18 j 06:32	2°♑05'08	
	-75 Feb 09 j 19:12	0°♒	
	-75 Mar 06 j 01:26	0°♓	
morning set	-75 Mar 18 j 00:45	14°♓46'37	
	-75 Mar 30 j 09:14	0°♈	
	-75 Apr 23 j 18:31	0°♉	
superior conj	-75 Apr 24 j 11:20	0°♉51'39	0°-38'-38
minimum elong	-75 Apr 24 j 18:40	1°♉14'10	0°38'18
max. Earth dist.	-75 Apr 25 j 05:41	1°♉47'59	1.73529 AU
asc. node	-75 May 11 j 09:29	21°♉38'39	
	-75 May 18 j 04:49	0°♊	
evening rise	-75 May 30 j 22:06	15°♊36'41	
	-75 Jun 11 j 15:29	0°♋	
	-75 Jul 06 j 02:30	0°♌	
	-75 Jul 30 j 14:45	0°♍	
	-75 Aug 24 j 05:56	0°♎	
desc. node	-75 Aug 30 j 23:15	8°♎08'39	
	-75 Sep 18 j 02:20	0°♏	
	-75 Oct 13 j 07:54	0°♐	
	-75 Nov 08 j 09:09	0°♑	
evening max el	-75 Nov 29 j 07:00	22°♑31'55	47°19'04
	-75 Dec 06 j 18:51	0°♒	
asc. node	-75 Dec 22 j 02:07	13°♒33'00	
greatest brilliancy	-74 Jan 05 j 19:45	23°♒03'07	-4.6m
retrograde	-74 Jan 19 j 08:13	26°♒28'11	
evening set	-74 Feb 05 j 23:40	20°♒23'42	
min. Earth dist.	-74 Feb 08 j 14:54	18°♒45'11	0.27946 AU

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

inferior conj	-74 Feb 09 j 09:09	18°♒16'22	8°34'21
minimum elong	-74 Feb 09 j 06:08	18°♒21'08	8°34'13
morning rise	-74 Feb 12 j 12:49	16°♒18'18	
direct	-74 Mar 02 j 05:10	10°♒16'13	
greatest brilliancy	-74 Mar 13 j 02:45	12°♒26'11	-4.5m
	-74 Apr 08 j 15:02	0°♓	
desc. node	-74 Apr 12 j 15:51	3°♓33'31	
morning max el	-74 Apr 20 j 06:48	10°♓39'52	45°56'45
	-74 May 09 j 08:24	0°♈	
	-74 Jun 05 j 16:21	0°♉	
	-74 Jul 01 j 17:06	0°♊	
	-74 Jul 26 j 23:00	0°♋	
asc. node	-74 Aug 03 j 19:03	9°♋27'51	
	-74 Aug 20 j 14:54	0°♌	
greatest brilliancy	-74 Sep 08 j 20:07	23°♌45'34	-3.9m
	-74 Sep 13 j 20:27	0°♍	
	-74 Oct 07 j 19:26	0°♎	
morning set	-74 Oct 15 j 00:19	9°♎03'20	
	-74 Oct 31 j 15:28	0°♏	
desc. node	-74 Nov 23 j 08:50	28°♏37'27	
	-74 Nov 24 j 11:04	0°♐	
superior conj	-74 Nov 24 j 18:31	0°♐23'29	0°-3'-21
minimum elong	-74 Nov 24 j 17:36	0°♐20'35	0°03'19
behind sun begin	-74 Nov 23 j 15:19	28°♏57'50	
behind sun end	-74 Nov 25 j 19:52	1°♐43'20	
max. Earth dist.	-74 Nov 26 j 08:56	2°♐24'24	1.71027 AU
	-74 Dec 18 j 07:37	0°♑	
evening rise	-73 Jan 05 j 14:25	22°♑55'35	
	-73 Jan 11 j 06:09	0°♒	
	-73 Feb 04 j 08:02	0°♓	
	-73 Feb 28 j 15:17	0°♈	
asc. node	-73 Mar 16 j 11:47	19°♈21'47	
	-73 Mar 25 j 06:25	0°♉	
	-73 Apr 19 j 08:32	0°♊	
	-73 May 15 j 02:59	0°♋	
	-73 Jun 11 j 02:27	0°♌	
evening max el	-73 Jul 04 j 03:40	23°♌33'17	45°44'24
desc. node	-73 Jul 06 j 01:33	25°♌22'12	
	-73 Jul 11 j 02:00	0°♍	
greatest brilliancy	-73 Aug 11 j 09:13	21°♍30'22	-4.5m
retrograde	-73 Aug 22 j 04:45	23°♍36'10	
evening set	-73 Sep 08 j 22:30	17°♍43'37	
inferior conj	-73 Sep 12 j 02:43	15°♍48'56	-8°-29'-42
minimum elong	-73 Sep 12 j 08:37	15°♍39'56	8°29'12
min. Earth dist.	-73 Sep 12 j 21:43	15°♍19'59	0.27548 AU
morning rise	-73 Sep 15 j 18:31	13°♍36'50	
direct	-73 Oct 03 j 02:24	7°♍53'03	
greatest brilliancy	-73 Oct 17 j 02:30	11°♍28'33	-4.6m
asc. node	-73 Oct 27 j 04:19	17°♍32'19	
	-73 Nov 11 j 06:02	0°♎	
morning max el	-73 Nov 22 j 22:27	11°♎24'31	46°54'46
	-73 Dec 10 j 06:51	0°♏	
	-72 Jan 05 j 10:02	0°♐	
	-72 Jan 30 j 15:19	0°♑	
desc. node	-72 Feb 15 j 18:22	19°♑25'34	
	-72 Feb 24 j 12:16	0°♒	
	-72 Mar 20 j 05:48	0°♓	
	-72 Apr 13 j 21:46	0°♈	
	-72 May 08 j 12:29	0°♉	
morning set	-72 May 25 j 12:21	20°♉46'05	
	-72 Jun 02 j 01:16	0°♊	
asc. node	-72 Jun 07 j 21:22	7°♊09'35	
	-72 Jun 26 j 11:12	0°♋	
max. Earth dist.	-72 Jun 27 j 18:48	1°♋37'20	1.73319 AU
superior conj	-72 Jun 30 j 18:13	5°♋17'26	0°50'36
minimum elong	-72 Jun 30 j 09:56	4°♋51'55	0°50'17
	-72 Jul 20 j 17:59	0°♌	
evening rise	-72 Aug 05 j 16:35	19°♌45'57	
	-72 Aug 13 j 22:24	0°♍	
	-72 Sep 07 j 01:57	0°♎	
desc. node	-72 Sep 27 j 11:08	25°♎17'59	
	-72 Oct 01 j 06:07	0°♏	
	-72 Oct 25 j 12:06	0°♐	
	-72 Nov 18 j 21:47	0°♑	
	-72 Dec 13 j 15:44	0°♒	
	-71 Jan 08 j 04:42	0°♓	
asc. node	-71 Jan 18 j 13:59	11°♓42'46	
	-71 Feb 04 j 16:23	0°♈	
evening max el	-71 Feb 08 j 16:41	4°♈02'52	46°13'00
	-71 Mar 12 j 08:42	0°♉	
greatest brilliancy	-71 Mar 15 j 11:41	1°♉38'42	-4.5m
retrograde	-71 Mar 30 j 06:19	5°♉29'55	
evening set	-71 Apr 15 j 05:49	0°♉31'14	
	-71 Apr 16 j 03:12	30°℞♈	
inferior conj	-71 Apr 20 j 15:21	27°♈12'40	4°21'08
minimum elong	-71 Apr 20 j 23:36	26°♈59'38	4°19'03
min. Earth dist.	-71 Apr 20 j 19:53	27°♈05'30	0.28967 AU
morning rise	-71 Apr 26 j 17:38	23°♈31'01	
desc. node	-71 May 10 j 03:39	18°♈59'05	
direct	-71 May 12 j 05:35	18°♈53'59	
greatest brilliancy	-71 May 25 j 06:32	21°♈53'55	-4.5m
	-71 Jun 08 j 01:58	0°♉	
morning max el	-71 Jun 30 j 01:21	18°♉42'23	45°46'52
	-71 Jul 11 j 10:49	0°♊	
	-71 Aug 08 j 03:50	0°♋	
asc. node	-71 Aug 31 j 06:48	26°♋47'27	
	-71 Sep 02 j 23:45	0°♌	
	-71 Sep 27 j 19:34	0°♍	
	-71 Oct 22 j 01:43	0°♎	
	-71 Nov 15 j 01:10	0°♏	
	-71 Dec 08 j 22:31	0°♐	
desc. node	-71 Dec 20 j 20:42	14°♐58'23	
morning set	-71 Dec 30 j 16:51	27°♐18'58	
	-70 Jan 01 j 20:15	0°♑	
	-70 Jan 25 j 19:39	0°♒	
superior conj	-70 Feb 09 j 22:32	18°♒51'19	-1°-24'-24
minimum elong	-70 Feb 09 j 19:08	18°♒40'43	1°24'24
max. Earth dist.	-70 Feb 14 j 02:02	24°♒00'58	1.72170 AU
	-70 Feb 18 j 21:30	0°♓	
	-70 Mar 15 j 02:34	0°♈	
evening rise	-70 Mar 21 j 04:23	7°♈29'58	
	-70 Apr 08 j 11:29	0°♉	
asc. node	-70 Apr 12 j 23:39	5°♉31'27	
	-70 May 03 j 00:43	0°♊	
	-70 May 27 j 18:52	0°♋	
	-70 Jun 21 j 19:31	0°♌	
	-70 Jul 17 j 06:17	0°♍	
desc. node	-70 Aug 02 j 13:17	18°♍48'02	
	-70 Aug 12 j 10:50	0°♎	
	-70 Sep 09 j 05:27	0°♏	
evening max el	-70 Sep 15 j 16:46	6°♏31'36	46°59'13
	-70 Oct 12 j 22:31	0°♐	
greatest brilliancy	-70 Oct 24 j 16:58	6°♐29'45	-4.7m
retrograde	-70 Nov 04 j 23:56	8°♐52'01	
evening set	-70 Nov 19 j 07:41	4°♐47'46	
asc. node	-70 Nov 23 j 16:14	2°♐17'20	
min. Earth dist.	-70 Nov 25 j 05:29	1°♐20'36	0.26349 AU
inferior conj	-70 Nov 25 j 12:14	1°♐10'17	0°28'36
minimum elong	-70 Nov 25 j 11:09	1°♐11'57	0°28'15
	-70 Nov 27 j 10:25	30°℞♏	
morning rise	-70 Dec 01 j 14:49	27°♏36'21	

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

direct	-70 Dec 15 j 19:32	23°♏35'32	
greatest brilliancy	-70 Dec 27 j 09:22	26°♏06'10	-4.7m
	-69 Jan 03 j 22:53	0°♐	
morning max el	-69 Feb 03 j 23:21	26°♐05'16	46°39'03
	-69 Feb 07 j 20:27	0°♑	
	-69 Mar 07 j 16:59	0°♒	
desc. node	-69 Mar 15 j 06:11	8°♒30'41	
	-69 Apr 02 j 23:09	0°♓	
	-69 Apr 28 j 13:09	0°♈	
	-69 May 23 j 17:56	0°♉	
	-69 Jun 17 j 15:28	0°♊	
asc. node	-69 Jul 06 j 09:14	22°♊49'01	
	-69 Jul 12 j 05:59	0°♋	
morning set	-69 Aug 02 j 05:12	25°♋50'29	
	-69 Aug 05 j 13:45	0°♌	
	-69 Aug 29 j 16:04	0°♍	
max. Earth dist.	-69 Sep 04 j 22:53	7°♍51'29	1.71841 AU
superior conj	-69 Sep 08 j 08:39	12°♍07'22	1°22'22
minimum elong	-69 Sep 08 j 13:07	12°♍21'18	1°22'19
	-69 Sep 22 j 15:04	0°♎	
	-69 Oct 16 j 12:49	0°♏	
evening rise	-69 Oct 17 j 15:54	1°♏24'56	
desc. node	-69 Oct 25 j 23:05	11°♏49'43	
	-69 Nov 09 j 10:53	0°♐	
	-69 Dec 03 j 10:21	0°♑	
	-69 Dec 27 j 12:52	0°♒	
	-68 Jan 20 j 21:34	0°♓	
	-68 Feb 14 j 17:51	0°♈	
asc. node	-68 Feb 16 j 01:49	1°♈35'02	
	-68 Mar 11 j 11:07	0°♉	
	-68 Apr 07 j 22:02	0°♊	
evening max el	-68 Apr 20 j 07:22	12°♊23'14	45°19'37
	-68 May 10 j 17:32	0°♋	
greatest brilliancy	-68 May 25 j 01:05	8°♋41'12	-4.5m
desc. node	-68 Jun 06 j 15:44	11°♋57'37	
retrograde	-68 Jun 07 j 18:40	11°♋59'05	
evening set	-68 Jun 23 j 05:54	7°♋26'38	
inferior conj	-68 Jun 29 j 05:52	3°♋52'26	-4°-58'-50
minimum elong	-68 Jun 28 j 20:34	4°♋06'51	4°56'37
min. Earth dist.	-68 Jun 29 j 09:30	3°♋46'46	0.28828 AU
morning rise	-68 Jul 04 j 10:48	0°♋43'18	
	-68 Jul 05 j 17:47	30°℞♊	
direct	-68 Jul 20 j 20:30	25°♊36'31	
greatest brilliancy	-68 Aug 04 j 06:37	29°♊13'11	-4.5m
	-68 Aug 05 j 20:51	0°♋	
morning max el	-68 Sep 08 j 11:01	26°♋40'08	46°19'17
	-68 Sep 11 j 19:05	0°♌	
asc. node	-68 Sep 27 j 18:42	16°♌54'15	
	-68 Oct 09 j 11:00	0°♍	
	-68 Nov 03 j 23:20	0°♎	
	-68 Nov 28 j 14:35	0°♏	
	-68 Dec 22 j 21:25	0°♐	
	-67 Jan 16 j 01:53	0°♑	
desc. node	-67 Jan 17 j 08:32	1°♑35'02	
	-67 Feb 09 j 06:36	0°♒	
	-67 Mar 05 j 12:34	0°♓	
morning set	-67 Mar 15 j 16:07	12°♓31'53	
	-67 Mar 29 j 20:11	0°♈	
superior conj	-67 Apr 22 j 04:53	28°♈44'39	0°-41'-27
minimum elong	-67 Apr 22 j 12:39	29°♈08'28	0°41'08
max. Earth dist.	-67 Apr 23 j 01:27	29°♈47'49	1.73511 AU
	-67 Apr 23 j 05:25	0°♉	
asc. node	-67 May 10 j 11:38	21°♉11'45	
	-67 May 17 j 15:44	0°♊	
evening rise	-67 May 28 j 17:11	13°♊34'18	
	-67 Jun 11 j 02:33	0°♋	
	-67 Jul 05 j 13:49	0°♌	
	-67 Jul 30 j 02:28	0°♍	
	-67 Aug 23 j 18:16	0°♎	
desc. node	-67 Aug 30 j 01:14	7°♎36'42	
	-67 Sep 17 j 15:36	0°♏	
	-67 Oct 12 j 22:39	0°♐	
	-67 Nov 08 j 02:48	0°♑	
evening max el	-67 Nov 26 j 22:02	20°♑10'19	47°20'20
	-67 Dec 06 j 21:13	0°♒	
asc. node	-67 Dec 21 j 04:15	12°♒19'41	
greatest brilliancy	-66 Jan 03 j 11:10	20°♒42'26	-4.7m
retrograde	-66 Jan 16 j 23:52	24°♒07'54	
evening set	-66 Feb 03 j 12:19	18°♒06'52	
min. Earth dist.	-66 Feb 06 j 04:36	16°♒27'04	0.27882 AU
inferior conj	-66 Feb 06 j 23:54	15°♒56'39	8°31'08
minimum elong	-66 Feb 06 j 20:06	16°♒02'38	8°30'56
morning rise	-66 Feb 10 j 04:08	13°♒58'03	
direct	-66 Feb 27 j 19:11	7°♒57'26	
greatest brilliancy	-66 Mar 10 j 15:42	10°♒06'57	-4.6m
	-66 Apr 08 j 19:45	0°♓	
desc. node	-66 Apr 11 j 17:57	2°♓38'19	
morning max el	-66 Apr 17 j 22:26	8°♓26'51	45°57'54
	-66 May 09 j 01:49	0°♈	
	-66 Jun 05 j 06:30	0°♉	
	-66 Jul 01 j 05:48	0°♊	
	-66 Jul 26 j 10:57	0°♋	
asc. node	-66 Aug 02 j 20:59	8°♋58'01	
	-66 Aug 20 j 02:27	0°♌	
	-66 Sep 13 j 07:46	0°♍	
greatest brilliancy	-66 Sep 13 j 08:08	0°♍01'09	-3.9m
	-66 Oct 07 j 06:41	0°♎	
morning set	-66 Oct 12 j 12:55	6°♎36'42	
	-66 Oct 31 j 02:43	0°♏	
superior conj	-66 Nov 22 j 03:49	27°♏46'10	0°00'43
minimum elong	-66 Nov 22 j 03:59	27°♏46'41	0°00'42
behind sun begin	-66 Nov 21 j 01:25	26°♏23'02	
behind sun end	-66 Nov 23 j 06:33	29°♏10'19	
desc. node	-66 Nov 22 j 10:58	28°♏08'40	
max. Earth dist.	-66 Nov 23 j 17:38	29°♏45'11	1.71020 AU
	-66 Nov 23 j 22:20	0°♐	
	-66 Dec 17 j 18:55	0°♑	
evening rise	-65 Jan 03 j 00:30	20°♑21'28	
	-65 Jan 10 j 17:29	0°♒	
	-65 Feb 03 j 19:25	0°♓	
	-65 Feb 28 j 02:49	0°♈	
asc. node	-65 Mar 15 j 13:52	18°♈52'34	
	-65 Mar 24 j 18:17	0°♉	
	-65 Apr 18 j 21:06	0°♊	
	-65 May 14 j 16:59	0°♋	
	-65 Jun 10 j 19:43	0°♌	
evening max el	-65 Jul 01 j 18:38	21°♌18'07	45°42'08
desc. node	-65 Jul 05 j 03:31	24°♌28'52	
	-65 Jul 11 j 06:01	0°♍	
greatest brilliancy	-65 Aug 08 j 20:20	19°♍07'47	-4.5m
retrograde	-65 Aug 19 j 17:48	21°♍14'48	
evening set	-65 Sep 06 j 13:28	15°♍19'42	
inferior conj	-65 Sep 09 j 16:12	13°♍26'55	-8°-35'-5
minimum elong	-65 Sep 09 j 21:20	13°♍19'05	8°34'43
min. Earth dist.	-65 Sep 10 j 10:34	12°♍58'52	0.27611 AU
morning rise	-65 Sep 13 j 05:00	11°♍19'02	
direct	-65 Sep 30 j 17:16	5°♍30'21	
greatest brilliancy	-65 Oct 14 j 16:45	9°♍05'13	-4.6m
asc. node	-65 Oct 26 j 06:27	16°♍13'41	
	-65 Nov 11 j 09:55	0°♎	
morning max el	-65 Nov 20 j 12:31	8°♎59'50	46°54'13

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

	-65 Dec 10 j 00:48	0°♏	
	-64 Jan 05 j 00:53	0°♐	
	-64 Jan 30 j 04:39	0°♑	
desc. node	-64 Feb 14 j 20:20	18°♑53'04	
	-64 Feb 24 j 00:42	0°♒	
	-64 Mar 19 j 17:37	0°♓	
	-64 Apr 13 j 09:10	0°♈	
	-64 May 07 j 23:34	0°♉	
morning set	-64 May 23 j 07:04	18°♉43'02	
	-64 Jun 01 j 12:11	0°♊	
asc. node	-64 Jun 06 j 23:27	6°♊42'33	
max. Earth dist.	-64 Jun 25 j 15:00	29°♊38'14	1.73354 AU
	-64 Jun 25 j 22:04	0°♋	
superior conj	-64 Jun 28 j 12:59	3°♋13'49	0°48'05
minimum elong	-64 Jun 28 j 04:56	2°♋49'01	0°47'46
	-64 Jul 20 j 04:56	0°♌	
evening rise	-64 Aug 03 j 10:12	17°♌37'21	
	-64 Aug 13 j 09:33	0°♍	
	-64 Sep 06 j 13:23	0°♎	
desc. node	-64 Sep 26 j 13:16	24°♎48'21	
	-64 Sep 30 j 17:52	0°♏	
	-64 Oct 25 j 00:16	0°♐	
	-64 Nov 18 j 10:31	0°♑	
	-64 Dec 13 j 05:26	0°♒	
	-63 Jan 07 j 20:19	0°♓	
asc. node	-63 Jan 17 j 15:57	11°♓01'26	
	-63 Feb 04 j 13:15	0°♈	
evening max el	-63 Feb 06 j 08:09	1°♈47'30	46°15'36
greatest brilliancy	-63 Mar 13 j 06:12	29°♈31'00	-4.5m
	-63 Mar 14 j 06:43	0°♉	
retrograde	-63 Mar 27 j 22:41	3°♉20'08	
	-63 Apr 09 j 21:33	30°℞♈	
evening set	-63 Apr 13 j 00:54	28°♈18'17	
inferior conj	-63 Apr 18 j 07:57	25°♈02'58	4°37'52
minimum elong	-63 Apr 18 j 16:32	24°♈49'24	4°35'46
min. Earth dist.	-63 Apr 18 j 12:23	24°♈55'58	0.28951 AU
morning rise	-63 Apr 24 j 08:24	21°♈23'28	
desc. node	-63 May 09 j 05:47	16°♈45'15	
direct	-63 May 09 j 21:52	16°♈44'44	
greatest brilliancy	-63 May 22 j 19:59	19°♈41'22	-4.5m
	-63 Jun 08 j 16:04	0°♉	
morning max el	-63 Jun 27 j 16:29	16°♉30'30	45°46'25
	-63 Jul 11 j 05:22	0°♊	
	-63 Aug 07 j 18:19	0°♋	
asc. node	-63 Aug 30 j 08:57	26°♋15'19	
	-63 Sep 02 j 12:37	0°♌	
	-63 Sep 27 j 07:42	0°♍	
	-63 Oct 21 j 13:29	0°♎	
	-63 Nov 14 j 12:44	0°♏	
	-63 Dec 08 j 09:55	0°♐	
desc. node	-63 Dec 19 j 22:44	14°♐29'08	
morning set	-63 Dec 28 j 02:24	24°♐43'02	
	-62 Jan 01 j 07:31	0°♑	
	-62 Jan 25 j 06:48	0°♒	
superior conj	-62 Feb 07 j 10:40	16°♒25'06	-1°-23'-46
minimum elong	-62 Feb 07 j 06:20	16°♒11'36	1°23'45
max. Earth dist.	-62 Feb 11 j 16:13	21°♒41'16	1.72110 AU
	-62 Feb 18 j 08:35	0°♓	
	-62 Mar 14 j 13:37	0°♈	
evening rise	-62 Mar 18 j 19:07	5°♈13'17	
	-62 Apr 07 j 22:35	0°♉	
asc. node	-62 Apr 12 j 01:51	5°♉04'07	
	-62 May 02 j 12:00	0°♊	
	-62 May 27 j 06:32	0°♋	
	-62 Jun 21 j 07:53	0°♌	
	-62 Jul 16 j 19:53	0°♍	
desc. node	-62 Aug 01 j 15:18	18°♍11'31	
	-62 Aug 12 j 02:50	0°♎	
	-62 Sep 09 j 03:13	0°♏	
evening max el	-62 Sep 13 j 04:55	4°♏04'15	46°56'41
	-62 Oct 14 j 07:54	0°♐	
greatest brilliancy	-62 Oct 22 j 07:43	4°♐02'07	-4.7m
retrograde	-62 Nov 02 j 11:22	6°♐21'28	
evening set	-62 Nov 16 j 20:22	2°♐16'33	
	-62 Nov 20 j 19:58	30°℞♏	
asc. node	-62 Nov 22 j 18:20	28°♏49'37	
inferior conj	-62 Nov 23 j 00:17	28°♏40'31	0°03'53
minimum elong	-62 Nov 23 j 00:09	28°♏40'44	0°03'50
transit middle	-62 Nov 23 j 00:09	28°♏40'44	0°03'50
transit begin	-62 Nov 22 j 20:11	28°♏46'47	
transit end	-62 Nov 23 j 04:06	28°♏34'41	
min. Earth dist.	-62 Nov 22 j 19:37	28°♏47'39	0.26345 AU
morning rise	-62 Nov 29 j 03:57	25°♏05'02	
direct	-62 Dec 13 j 07:03	21°♏05'27	
greatest brilliancy	-62 Dec 25 j 01:01	23°♏40'01	-4.7m
	-61 Jan 05 j 07:25	0°♐	
morning max el	-61 Feb 01 j 11:44	23°♐37'54	46°40'29
	-61 Feb 07 j 18:05	0°♑	
	-61 Mar 07 j 08:59	0°♒	
desc. node	-61 Mar 14 j 08:22	7°♒53'48	
	-61 Apr 02 j 12:49	0°♓	
	-61 Apr 28 j 01:34	0°♈	
	-61 May 23 j 05:36	0°♉	
	-61 Jun 17 j 02:41	0°♊	
asc. node	-61 Jul 05 j 11:13	22°♊21'24	
	-61 Jul 11 j 16:56	0°♋	
morning set	-61 Jul 30 j 22:20	23°♋41'19	
	-61 Aug 05 j 00:36	0°♌	
	-61 Aug 29 j 02:55	0°♍	
max. Earth dist.	-61 Sep 02 j 15:08	5°♍38'14	1.71896 AU
superior conj	-61 Sep 06 j 00:09	9°♍51'39	1°23'04
minimum elong	-61 Sep 06 j 03:51	10°♍03'12	1°23'03
	-61 Sep 22 j 01:59	0°♎	
evening rise	-61 Oct 15 j 03:42	28°♎56'40	
	-61 Oct 15 j 23:53	0°♏	
desc. node	-61 Oct 25 j 01:14	11°♏21'29	
	-61 Nov 08 j 22:08	0°♐	
	-61 Dec 02 j 21:50	0°♑	
	-61 Dec 27 j 00:36	0°♒	
	-60 Jan 20 j 09:41	0°♓	
	-60 Feb 14 j 06:43	0°♈	
asc. node	-60 Feb 15 j 03:57	1°♈03'01	
	-60 Mar 11 j 01:36	0°♉	
	-60 Apr 07 j 16:41	0°♊	
evening max el	-60 Apr 17 j 22:44	10°♊11'38	45°20'28
	-60 May 11 j 09:57	0°♋	
greatest brilliancy	-60 May 22 j 13:47	6°♋28'03	-4.5m
retrograde	-60 Jun 05 j 11:01	9°♋49'57	
desc. node	-60 Jun 05 j 17:43	9°♋49'52	
evening set	-60 Jun 20 j 20:00	5°♋19'27	
inferior conj	-60 Jun 26 j 21:53	1°♋42'35	-4°-42'-8
minimum elong	-60 Jun 26 j 12:54	1°♋56'31	4°39'56
min. Earth dist.	-60 Jun 27 j 01:14	1°♋37'24	0.28846 AU
	-60 Jun 29 j 16:29	30°℞♊	
morning rise	-60 Jul 02 j 05:26	28°♊30'00	
direct	-60 Jul 18 j 12:49	23°♊26'13	
greatest brilliancy	-60 Aug 01 j 23:35	27°♊04'00	-4.5m
	-60 Aug 07 j 10:56	0°♋	
morning max el	-60 Sep 06 j 03:05	24°♋27'36	46°17'55
	-60 Sep 11 j 15:28	0°♌	
asc. node	-60 Sep 26 j 20:48	16°♌13'50	

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

	-60 Oct 09 j 02:13	0°♍	
	-60 Nov 03 j 12:38	0°♎	
	-60 Nov 28 j 02:58	0°♏	
	-60 Dec 22 j 09:18	0°♐	
	-59 Jan 15 j 13:26	0°♑	
desc. node	-59 Jan 16 j 10:33	1°♑05'34	
	-59 Feb 08 j 17:52	0°♒	
	-59 Mar 04 j 23:35	0°♓	
morning set	-59 Mar 13 j 06:52	10°♓15'24	
	-59 Mar 29 j 07:01	0°♈	
superior conj	-59 Apr 19 j 21:55	26°♈36'29	0°-44'-16
minimum elong	-59 Apr 20 j 06:04	27°♈01'33	0°43'57
max. Earth dist.	-59 Apr 20 j 22:21	27°♈51'35	1.73485 AU
	-59 Apr 22 j 16:09	0°♉	
asc. node	-59 May 09 j 13:39	20°♉45'04	
	-59 May 17 j 02:28	0°♊	
evening rise	-59 May 26 j 12:02	11°♊31'58	
	-59 Jun 10 j 13:24	0°♋	
	-59 Jul 05 j 00:55	0°♌	
	-59 Jul 29 j 13:58	0°♍	
	-59 Aug 23 j 06:23	0°♎	
desc. node	-59 Aug 29 j 03:24	7°♎06'09	
	-59 Sep 17 j 04:37	0°♏	
	-59 Oct 12 j 13:11	0°♐	
	-59 Nov 07 j 20:23	0°♑	
evening max el	-59 Nov 24 j 13:43	17°♑51'30	47°21'17
	-59 Dec 07 j 00:40	0°♒	
asc. node	-59 Dec 20 j 06:10	11°♒04'37	
greatest brilliancy	-58 Jan 01 j 02:36	18°♒22'26	-4.7m
retrograde	-58 Jan 14 j 15:28	21°♒47'42	
evening set	-58 Feb 01 j 00:31	15°♒50'39	
min. Earth dist.	-58 Feb 03 j 17:56	14°♒09'17	0.27821 AU
inferior conj	-58 Feb 04 j 14:29	13°♒36'57	8°27'03
minimum elong	-58 Feb 04 j 09:55	13°♒44'09	8°26'44
morning rise	-58 Feb 07 j 19:36	11°♒37'17	
direct	-58 Feb 25 j 09:37	5°♒38'50	
greatest brilliancy	-58 Mar 08 j 03:58	7°♒47'03	-4.6m
	-58 Apr 08 j 22:36	0°♓	
desc. node	-58 Apr 10 j 20:04	1°♓44'36	
morning max el	-58 Apr 15 j 14:04	6°♓14'08	45°59'00
	-58 May 08 j 18:43	0°♈	
	-58 Jun 04 j 20:17	0°♉	
	-58 Jun 30 j 18:08	0°♊	
	-58 Jul 25 j 22:31	0°♋	
asc. node	-58 Aug 01 j 23:06	8°♋29'49	
	-58 Aug 19 j 13:36	0°♌	
	-58 Sep 12 j 18:44	0°♍	
greatest brilliancy	-58 Sep 16 j 05:52	4°♍19'18	-3.9m
	-58 Oct 06 j 17:35	0°♎	
morning set	-58 Oct 10 j 02:00	4°♎12'41	
	-58 Oct 30 j 13:37	0°♏	
superior conj	-58 Nov 19 j 13:44	25°♏11'59	0°04'43
minimum elong	-58 Nov 19 j 15:00	25°♏15'57	0°04'39
behind sun begin	-58 Nov 18 j 13:18	23°♏55'01	
behind sun end	-58 Nov 20 j 16:42	26°♏36'51	
max. Earth dist.	-58 Nov 21 j 01:51	27°♏05'42	1.71010 AU
desc. node	-58 Nov 21 j 12:59	27°♏40'42	
	-58 Nov 23 j 09:14	0°♐	
	-58 Dec 17 j 05:49	0°♑	
evening rise	-58 Dec 31 j 10:55	17°♑49'37	
	-57 Jan 10 j 04:24	0°♒	
	-57 Feb 03 j 06:26	0°♓	
	-57 Feb 27 j 14:02	0°♈	
asc. node	-57 Mar 14 j 15:59	18°♈24'18	
	-57 Mar 24 j 05:54	0°♉	
	-57 Apr 18 j 09:29	0°♊	
	-57 May 14 j 06:53	0°♋	
	-57 Jun 10 j 13:01	0°♌	
evening max el	-57 Jun 29 j 08:58	19°♌02'22	45°40'05
desc. node	-57 Jul 04 j 05:33	23°♌35'37	
	-57 Jul 11 j 11:25	0°♍	
greatest brilliancy	-57 Aug 06 j 08:32	16°♍47'50	-4.5m
retrograde	-57 Aug 17 j 06:35	18°♍55'07	
evening set	-57 Sep 04 j 04:16	12°♍58'06	
inferior conj	-57 Sep 07 j 05:51	11°♍06'43	-8°-39'-34
minimum elong	-57 Sep 07 j 10:09	11°♍00'09	8°39'20
min. Earth dist.	-57 Sep 07 j 23:47	10°♍39'16	0.27671 AU
morning rise	-57 Sep 10 j 15:51	9°♍02'38	
direct	-57 Sep 28 j 07:40	3°♍09'22	
greatest brilliancy	-57 Oct 12 j 07:15	6°♍43'36	-4.6m
asc. node	-57 Oct 25 j 08:30	14°♍58'30	
	-57 Nov 11 j 11:44	0°♎	
morning max el	-57 Nov 18 j 01:47	6°♎34'17	46°53'41
	-57 Dec 09 j 17:56	0°♏	
	-56 Jan 04 j 15:08	0°♐	
	-56 Jan 29 j 17:28	0°♑	
desc. node	-56 Feb 13 j 22:33	18°♑22'43	
	-56 Feb 23 j 12:39	0°♒	
	-56 Mar 19 j 05:01	0°♓	
	-56 Apr 12 j 20:12	0°♈	
	-56 May 07 j 10:22	0°♉	
morning set	-56 May 21 j 01:24	16°♉39'39	
	-56 May 31 j 22:49	0°♊	
asc. node	-56 Jun 06 j 01:27	6°♊16'04	
max. Earth dist.	-56 Jun 23 j 09:32	27°♊34'56	1.73387 AU
	-56 Jun 25 j 08:39	0°♋	
superior conj	-56 Jun 26 j 07:25	1°♋10'09	0°45'29
minimum elong	-56 Jun 25 j 23:39	0°♋46'11	0°45'10
	-56 Jul 19 j 15:35	0°♌	
evening rise	-56 Aug 01 j 03:39	15°♌29'17	
	-56 Aug 12 j 20:22	0°♍	
	-56 Sep 06 j 00:29	0°♎	
desc. node	-56 Sep 25 j 15:20	24°♎19'32	
	-56 Sep 30 j 05:19	0°♏	
	-56 Oct 24 j 12:08	0°♐	
	-56 Nov 17 j 22:59	0°♑	
	-56 Dec 12 j 18:52	0°♒	
	-55 Jan 07 j 11:44	0°♓	
asc. node	-55 Jan 16 j 18:08	10°♓21'32	
evening max el	-55 Feb 03 j 22:33	29°♓30'39	46°18'14
	-55 Feb 04 j 10:20	0°♈	
greatest brilliancy	-55 Mar 10 j 23:50	27°♈23'11	-4.5m
	-55 Mar 17 j 15:40	0°♉	
retrograde	-55 Mar 25 j 14:50	1°♉11'33	
	-55 Apr 02 j 07:37	30°℞♈	
evening set	-55 Apr 10 j 19:58	26°♈06'08	
inferior conj	-55 Apr 16 j 00:34	22°♈54'20	4°54'11
minimum elong	-55 Apr 16 j 09:24	22°♈40'19	4°52'04
min. Earth dist.	-55 Apr 16 j 05:00	22°♈47'18	0.28941 AU
morning rise	-55 Apr 21 j 23:02	19°♈17'11	
direct	-55 May 07 j 13:45	14°♈36'15	
desc. node	-55 May 08 j 07:47	14°♈36'54	
greatest brilliancy	-55 May 20 j 10:38	17°♈31'01	-4.5m
	-55 Jun 09 j 02:13	0°♉	
morning max el	-55 Jun 25 j 07:28	14°♉18'48	45°45'58
	-55 Jul 10 j 23:14	0°♊	
	-55 Aug 07 j 08:26	0°♋	
asc. node	-55 Aug 29 j 11:05	25°♋43'55	
	-55 Sep 02 j 01:12	0°♌	
	-55 Sep 26 j 19:32	0°♍	
	-55 Oct 21 j 00:56	0°♎	

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

	-55 Nov 13 j 23:58	0°♏	
	-55 Dec 07 j 21:01	0°♐	
desc. node	-55 Dec 19 j 00:44	14°♐00'41	
morning set	-55 Dec 25 j 11:55	22°♐07'43	
	-55 Dec 31 j 18:31	0°♑	
	-54 Jan 24 j 17:42	0°♒	
superior conj	-54 Feb 04 j 22:49	13°♒59'40	-1°-22'-58
minimum elong	-54 Feb 04 j 17:34	13°♒43'17	1°22'55
max. Earth dist.	-54 Feb 09 j 03:53	19°♒14'28	1.72048 AU
	-54 Feb 17 j 19:23	0°♓	
	-54 Mar 14 j 00:22	0°♈	
evening rise	-54 Mar 16 j 09:49	2°♈57'23	
	-54 Apr 07 j 09:23	0°♉	
asc. node	-54 Apr 11 j 03:51	4°♉37'04	
	-54 May 01 j 23:01	0°♊	
	-54 May 26 j 18:01	0°♋	
	-54 Jun 20 j 20:09	0°♌	
	-54 Jul 16 j 09:30	0°♍	
desc. node	-54 Jul 31 j 17:28	17°♍35'28	
	-54 Aug 11 j 18:58	0°♎	
	-54 Sep 09 j 01:40	0°♏	
evening max el	-54 Sep 10 j 16:56	1°♏37'18	46°54'22
	-54 Oct 16 j 08:55	0°♐	
greatest brilliancy	-54 Oct 19 j 21:30	1°♐34'03	-4.7m
retrograde	-54 Oct 30 j 23:08	3°♐51'47	
	-54 Nov 13 j 22:15	30°℞♏	
evening set	-54 Nov 14 j 09:15	29°♏45'33	
inferior conj	-54 Nov 20 j 12:19	26°♏11'16	0°-20'-48
minimum elong	-54 Nov 20 j 13:07	26°♏10'03	0°20'34
min. Earth dist.	-54 Nov 20 j 09:25	26°♏15'42	0.26345 AU
asc. node	-54 Nov 21 j 20:19	25°♏22'37	
morning rise	-54 Nov 26 j 16:55	22°♏34'48	
direct	-54 Dec 10 j 18:52	18°♏35'48	
greatest brilliancy	-54 Dec 22 j 16:33	21°♏14'27	-4.7m
	-53 Jan 06 j 06:34	0°♐	
morning max el	-53 Jan 30 j 01:05	21°♐13'25	46°41'53
	-53 Feb 07 j 14:45	0°♑	
	-53 Mar 07 j 00:32	0°♒	
desc. node	-53 Mar 13 j 10:22	7°♒17'15	
	-53 Apr 02 j 02:11	0°♓	
	-53 Apr 27 j 13:45	0°♈	
	-53 May 22 j 17:04	0°♉	
	-53 Jun 16 j 13:44	0°♊	
asc. node	-53 Jul 04 j 13:21	21°♊54'34	
	-53 Jul 11 j 03:47	0°♋	
morning set	-53 Jul 28 j 15:23	21°♋32'10	
	-53 Aug 04 j 11:24	0°♌	
	-53 Aug 28 j 13:46	0°♍	
max. Earth dist.	-53 Aug 31 j 06:45	3°♍23'01	1.71950 AU
superior conj	-53 Sep 03 j 15:28	7°♍35'25	1°23'39
minimum elong	-53 Sep 03 j 18:24	7°♍44'35	1°23'38
	-53 Sep 21 j 12:55	0°♎	
evening rise	-53 Oct 12 j 15:18	26°♎27'53	
	-53 Oct 15 j 10:57	0°♏	
desc. node	-53 Oct 24 j 03:12	10°♏52'46	
	-53 Nov 08 j 09:22	0°♐	
	-53 Dec 02 j 09:15	0°♑	
	-53 Dec 26 j 12:17	0°♒	
	-52 Jan 19 j 21:47	0°♓	
	-52 Feb 13 j 19:37	0°♈	
asc. node	-52 Feb 14 j 06:03	0°♈30'56	
	-52 Mar 10 j 16:13	0°♉	
	-52 Apr 07 j 11:48	0°♊	
evening max el	-52 Apr 15 j 14:58	8°♊02'20	45°21'25
	-52 May 12 j 08:02	0°♋	
greatest brilliancy	-52 May 20 j 03:11	4°♋16'07	-4.5m
retrograde	-52 Jun 03 j 03:34	7°♋41'00	
desc. node	-52 Jun 04 j 19:45	7°♋37'42	
evening set	-52 Jun 18 j 10:21	3°♋12'27	
	-52 Jun 23 j 20:28	30°℞♊	
inferior conj	-52 Jun 24 j 13:56	29°♊32'55	-4°-25'-7
minimum elong	-52 Jun 24 j 05:19	29°♊46'17	4°22'56
min. Earth dist.	-52 Jun 24 j 16:45	29°♊28'33	0.28865 AU
morning rise	-52 Jun 30 j 00:01	26°♊16'57	
direct	-52 Jul 16 j 05:36	21°♊16'17	
greatest brilliancy	-52 Jul 30 j 15:43	24°♊53'56	-4.5m
	-52 Aug 08 j 13:33	0°♋	
morning max el	-52 Sep 03 j 19:19	22°♋15'24	46°16'19
	-52 Sep 11 j 11:20	0°♌	
asc. node	-52 Sep 25 j 22:48	15°♌33'06	
	-52 Oct 08 j 17:24	0°♍	
	-52 Nov 03 j 02:01	0°♎	
	-52 Nov 27 j 15:27	0°♏	
	-52 Dec 21 j 21:16	0°♐	
	-51 Jan 15 j 01:02	0°♑	
desc. node	-51 Jan 15 j 12:45	0°♑36'25	
	-51 Feb 08 j 05:10	0°♒	
	-51 Mar 04 j 10:40	0°♓	
morning set	-51 Mar 10 j 21:30	7°♓58'21	
	-51 Mar 28 j 17:56	0°♈	
superior conj	-51 Apr 17 j 14:57	24°♈27'56	0°-47'-2
minimum elong	-51 Apr 17 j 23:28	24°♈54'07	0°46'41
max. Earth dist.	-51 Apr 18 j 20:13	25°♈57'54	1.73457 AU
	-51 Apr 22 j 02:59	0°♉	
asc. node	-51 May 08 j 15:42	20°♉18'07	
	-51 May 16 j 13:19	0°♊	
evening rise	-51 May 24 j 06:58	9°♊29'33	
	-51 Jun 10 j 00:21	0°♋	
	-51 Jul 04 j 12:07	0°♌	
	-51 Jul 29 j 01:38	0°♍	
	-51 Aug 22 j 18:43	0°♎	
desc. node	-51 Aug 28 j 05:27	6°♎34'32	
	-51 Sep 16 j 17:59	0°♏	
	-51 Oct 12 j 04:12	0°♐	
	-51 Nov 07 j 14:45	0°♑	
evening max el	-51 Nov 22 j 05:41	15°♑32'18	47°22'13
	-51 Dec 07 j 06:23	0°♒	
asc. node	-51 Dec 19 j 08:21	9°♒46'40	
greatest brilliancy	-51 Dec 29 j 19:09	16°♒02'43	-4.7m
retrograde	-50 Jan 12 j 06:53	19°♒26'01	
evening set	-50 Jan 29 j 12:25	13°♒33'42	
min. Earth dist.	-50 Feb 01 j 07:16	11°♒50'10	0.27753 AU
inferior conj	-50 Feb 02 j 04:56	11°♒16'04	8°22'11
minimum elong	-50 Feb 01 j 23:39	11°♒24'23	8°21'44
morning rise	-50 Feb 05 j 11:13	9°♒14'46	
direct	-50 Feb 23 j 00:03	3°♒19'22	
greatest brilliancy	-50 Mar 05 j 15:33	5°♒25'24	-4.6m
	-50 Apr 09 j 00:15	0°♓	
desc. node	-50 Apr 09 j 22:05	0°♓51'11	
morning max el	-50 Apr 13 j 04:50	3°♓58'39	46°00'04
	-50 May 08 j 11:29	0°♈	
	-50 Jun 04 j 10:09	0°♉	
	-50 Jun 30 j 06:38	0°♊	
	-50 Jul 25 j 10:16	0°♋	
asc. node	-50 Aug 01 j 01:15	8°♋01'04	
	-50 Aug 19 j 00:58	0°♌	
	-50 Sep 12 j 05:55	0°♍	
greatest brilliancy	-50 Sep 18 j 12:07	7°♍48'51	-3.9m
	-50 Oct 06 j 04:45	0°♎	
morning set	-50 Oct 07 j 15:07	1°♎48'01	
	-50 Oct 30 j 00:49	0°♏	

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

superior conj	-50 Nov 16 j 23:28	22°♏36'12	0°08'41
minimum elong	-50 Nov 17 j 01:48	22°♏43'30	0°08'35
behind sun begin	-50 Nov 16 j 02:57	21°♏31'34	
behind sun end	-50 Nov 18 j 00:38	23°♏55'26	
max. Earth dist.	-50 Nov 18 j 05:57	24°♏12'09	1.71007 AU
desc. node	-50 Nov 20 j 15:04	27°♏11'54	
	-50 Nov 22 j 20:28	0°♐	
	-50 Dec 16 j 17:04	0°♑	
evening rise	-50 Dec 28 j 20:41	15°♑14'31	
	-49 Jan 09 j 15:41	0°♒	
	-49 Feb 02 j 17:47	0°♓	
	-49 Feb 27 j 01:36	0°♈	
asc. node	-49 Mar 13 j 17:59	17°♈54'43	
	-49 Mar 23 j 17:51	0°♉	
	-49 Apr 17 j 22:14	0°♊	
	-49 May 13 j 21:14	0°♋	
	-49 Jun 10 j 07:04	0°♌	
evening max el	-49 Jun 26 j 22:37	16°♌44'18	45°38'07
desc. node	-49 Jul 03 j 07:47	22°♌40'53	
	-49 Jul 11 j 19:24	0°♍	
greatest brilliancy	-49 Aug 03 j 21:18	14°♍28'09	-4.5m
retrograde	-49 Aug 14 j 19:17	16°♍35'35	
evening set	-49 Sep 01 j 18:51	10°♍37'09	
inferior conj	-49 Sep 04 j 19:45	8°♍46'42	-8°-43'-6
minimum elong	-49 Sep 04 j 23:10	8°♍41'26	8°42'57
min. Earth dist.	-49 Sep 05 j 13:30	8°♍19'28	0.27732 AU
morning rise	-49 Sep 08 j 03:18	6°♍45'56	
direct	-49 Sep 25 j 21:48	0°♍48'21	
greatest brilliancy	-49 Oct 09 j 22:34	4°♍22'52	-4.6m
asc. node	-49 Oct 24 j 10:33	13°♍44'56	
	-49 Nov 11 j 12:35	0°♎	
morning max el	-49 Nov 15 j 14:30	4°♎06'30	46°53'00
	-49 Dec 09 j 11:06	0°♏	
	-48 Jan 04 j 05:39	0°♐	
	-48 Jan 29 j 06:39	0°♑	
desc. node	-48 Feb 13 j 00:33	17°♑50'27	
	-48 Feb 23 j 01:00	0°♒	
	-48 Mar 18 j 16:49	0°♓	
	-48 Apr 12 j 07:35	0°♈	
	-48 May 06 j 21:28	0°♉	
morning set	-48 May 18 j 19:42	14°♉35'06	
	-48 May 31 j 09:47	0°♊	
asc. node	-48 Jun 05 j 03:36	5°♊49'05	
max. Earth dist.	-48 Jun 21 j 04:50	25°♊32'56	1.73420 AU
superior conj	-48 Jun 24 j 02:04	29°♊06'04	0°42'50
minimum elong	-48 Jun 23 j 18:35	28°♊43'00	0°42'31
	-48 Jun 24 j 19:35	0°♋	
	-48 Jul 19 j 02:35	0°♌	
evening rise	-48 Jul 29 j 21:31	13°♌21'35	
	-48 Aug 12 j 07:33	0°♍	
	-48 Sep 05 j 11:55	0°♎	
desc. node	-48 Sep 24 j 17:21	23°♎49'39	
	-48 Sep 29 j 17:05	0°♏	
	-48 Oct 24 j 00:20	0°♐	
	-48 Nov 17 j 11:50	0°♑	
	-48 Dec 12 j 08:48	0°♒	
	-47 Jan 07 j 03:52	0°♓	
asc. node	-47 Jan 15 j 20:12	9°♓39'24	
evening max el	-47 Feb 01 j 12:28	27°♓10'54	46°20'54
	-47 Feb 04 j 08:52	0°♈	
greatest brilliancy	-47 Mar 08 j 16:48	25°♈12'45	-4.5m
retrograde	-47 Mar 23 j 07:13	29°♈01'29	
evening set	-47 Apr 08 j 15:04	23°♈52'08	
inferior conj	-47 Apr 13 j 17:09	20°♈44'09	5°10'09
minimum elong	-47 Apr 14 j 02:13	20°♈29'46	5°08'03
min. Earth dist.	-47 Apr 13 j 21:34	20°♈37'08	0.28928 AU
morning rise	-47 Apr 19 j 13:31	17°♈09'49	
direct	-47 May 05 j 05:18	12°♈26'11	
desc. node	-47 May 07 j 09:52	12°♈31'40	
greatest brilliancy	-47 May 18 j 01:58	15°♈20'14	-4.5m
	-47 Jun 09 j 10:08	0°♉	
morning max el	-47 Jun 22 j 22:56	12°♉07'15	45°45'40
	-47 Jul 10 j 17:03	0°♊	
	-47 Aug 06 j 22:44	0°♋	
asc. node	-47 Aug 28 j 13:01	25°♋11'02	
	-47 Sep 01 j 14:02	0°♌	
	-47 Sep 26 j 07:39	0°♍	
	-47 Oct 20 j 12:40	0°♎	
	-47 Nov 13 j 11:28	0°♏	
	-47 Dec 07 j 08:22	0°♐	
desc. node	-47 Dec 18 j 02:57	13°♐32'05	
morning set	-47 Dec 22 j 21:44	19°♐32'27	
	-47 Dec 31 j 05:47	0°♑	
	-46 Jan 24 j 04:54	0°♒	
superior conj	-46 Feb 02 j 10:51	11°♒32'46	-1°-22'00
minimum elong	-46 Feb 02 j 04:41	11°♒13'31	1°21'56
max. Earth dist.	-46 Feb 06 j 13:21	16°♒39'45	1.71994 AU
	-46 Feb 17 j 06:32	0°♓	
	-46 Mar 13 j 11:29	0°♈	
evening rise	-46 Mar 14 j 00:15	0°♈39'24	
	-46 Apr 06 j 20:34	0°♉	
asc. node	-46 Apr 10 j 05:54	4°♉09'02	
	-46 May 01 j 10:26	0°♊	
	-46 May 26 j 05:52	0°♋	
	-46 Jun 20 j 08:49	0°♌	
	-46 Jul 15 j 23:33	0°♍	
desc. node	-46 Jul 30 j 19:30	16°♍57'45	
	-46 Aug 11 j 11:42	0°♎	
evening max el	-46 Sep 08 j 05:53	29°♎12'05	46°52'02
	-46 Sep 09 j 01:24	0°♏	
greatest brilliancy	-46 Oct 17 j 10:41	29°♏05'00	-4.7m
	-46 Oct 20 j 01:00	0°♐	
retrograde	-46 Oct 28 j 11:39	1°♐22'00	
	-46 Nov 05 j 15:35	30°℞♏	
evening set	-46 Nov 11 j 22:30	27°♏14'06	
inferior conj	-46 Nov 18 j 00:27	23°♏41'43	0°-45'-29
minimum elong	-46 Nov 18 j 02:11	23°♏39'04	0°44'56
min. Earth dist.	-46 Nov 17 j 22:58	23°♏43'57	0.26346 AU
asc. node	-46 Nov 20 j 22:28	21°♏56'24	
morning rise	-46 Nov 24 j 05:48	20°♏04'47	
direct	-46 Dec 08 j 07:18	16°♏06'01	
greatest brilliancy	-46 Dec 20 j 07:13	18°♏47'41	-4.7m
	-45 Jan 06 j 23:53	0°♐	
morning max el	-45 Jan 27 j 15:21	18°♐50'48	46°43'11
	-45 Feb 07 j 10:55	0°♑	
	-45 Mar 06 j 16:03	0°♒	
desc. node	-45 Mar 12 j 12:25	6°♒40'27	
	-45 Apr 01 j 15:41	0°♓	
	-45 Apr 27 j 02:08	0°♈	
	-45 May 22 j 04:46	0°♉	
	-45 Jun 16 j 01:02	0°♊	
asc. node	-45 Jul 03 j 15:28	21°♊27'01	
	-45 Jul 10 j 14:51	0°♋	
morning set	-45 Jul 26 j 08:33	19°♋22'56	
	-45 Aug 03 j 22:23	0°♌	
	-45 Aug 28 j 00:47	0°♍	
max. Earth dist.	-45 Aug 28 j 21:38	1°♍05'09	1.72005 AU
superior conj	-45 Sep 01 j 07:01	5°♍19'25	1°24'06
minimum elong	-45 Sep 01 j 09:10	5°♍26'08	1°24'05
	-45 Sep 21 j 00:02	0°♎	
evening rise	-45 Oct 10 j 03:11	23°♎59'22	

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

	-45 Oct 14 j 22:13	0°♏	
desc. node	-45 Oct 23 j 05:20	10°♏23'58	
	-45 Nov 07 j 20:48	0°♐	
	-45 Dec 01 j 20:52	0°♑	
	-45 Dec 26 j 00:07	0°♒	
	-44 Jan 19 j 10:01	0°♓	
asc. node	-44 Feb 13 j 08:03	29°♓58'04	
	-44 Feb 13 j 08:42	0°♈	
	-44 Mar 10 j 07:07	0°♉	
	-44 Apr 07 j 07:40	0°♊	
evening max el	-44 Apr 13 j 07:49	5°♊54'02	45°22'16
	-44 May 13 j 15:07	0°♋	
greatest brilliancy	-44 May 17 j 18:00	2°♋05'30	-4.5m
retrograde	-44 May 31 j 20:02	5°♋31'34	
desc. node	-44 Jun 03 j 21:57	5°♋20'24	
evening set	-44 Jun 16 j 01:01	1°♋05'08	
	-44 Jun 17 j 23:00	30°ℝ♊	
inferior conj	-44 Jun 22 j 06:05	27°♊23'03	-4°-7'-42
minimum elong	-44 Jun 21 j 21:52	27°♊35'48	4°05'35
min. Earth dist.	-44 Jun 22 j 08:30	27°♊19'18	0.28880 AU
morning rise	-44 Jun 27 j 18:33	24°♊03'38	
direct	-44 Jul 13 j 22:28	19°♊06'24	
greatest brilliancy	-44 Jul 28 j 06:42	22°♊42'13	-4.5m
	-44 Aug 09 j 09:09	0°♋	
morning max el	-44 Sep 01 j 11:07	20°♋02'05	46°14'42
	-44 Sep 11 j 06:41	0°♌	
asc. node	-44 Sep 25 j 00:58	14°♌53'04	
	-44 Oct 08 j 08:25	0°♍	
	-44 Nov 02 j 15:20	0°♎	
	-44 Nov 27 j 03:57	0°♏	
	-44 Dec 21 j 09:15	0°♐	
desc. node	-43 Jan 14 j 14:45	0°♑06'32	
	-43 Jan 14 j 12:38	0°♑	
	-43 Feb 07 j 16:28	0°♒	
	-43 Mar 03 j 21:43	0°♓	
morning set	-43 Mar 08 j 12:21	5°♓41'53	
	-43 Mar 28 j 04:49	0°♈	
superior conj	-43 Apr 15 j 08:08	22°♈19'53	0°-49'-42
minimum elong	-43 Apr 15 j 16:56	22°♈46'57	0°49'22
max. Earth dist.	-43 Apr 16 j 19:06	24°♈07'25	1.73429 AU
	-43 Apr 21 j 13:48	0°♉	
asc. node	-43 May 07 j 17:53	19°♉51'39	
	-43 May 16 j 00:09	0°♊	
evening rise	-43 May 22 j 01:56	7°♊27'11	
	-43 Jun 09 j 11:20	0°♋	
	-43 Jul 03 j 23:22	0°♌	
	-43 Jul 28 j 13:19	0°♍	
	-43 Aug 22 j 07:05	0°♎	
desc. node	-43 Aug 27 j 07:26	6°♎02'48	
	-43 Sep 16 j 07:23	0°♏	
	-43 Oct 11 j 19:19	0°♐	
	-43 Nov 07 j 09:30	0°♑	
evening max el	-43 Nov 19 j 21:16	13°♑12'06	47°22'52
	-43 Dec 07 j 14:18	0°♒	
asc. node	-43 Dec 18 j 10:28	8°♒26'05	
greatest brilliancy	-43 Dec 27 j 12:41	13°♒44'08	-4.7m
retrograde	-42 Jan 09 j 21:54	17°♒04'03	
evening set	-42 Jan 27 j 00:03	11°♒17'14	
min. Earth dist.	-42 Jan 29 j 20:58	9°♒30'29	0.27682 AU
inferior conj	-42 Jan 30 j 19:22	8°♒55'13	8°16'18
minimum elong	-42 Jan 30 j 13:23	9°♒04'37	8°15'44
morning rise	-42 Feb 03 j 03:06	6°♒51'41	
direct	-42 Feb 20 j 14:04	1°♒00'00	
greatest brilliancy	-42 Mar 03 j 03:29	3°♒04'05	-4.6m
desc. node	-42 Apr 09 j 00:12	29°♒59'21	
	-42 Apr 09 j 00:28	0°♓	
morning max el	-42 Apr 10 j 18:39	1°♓41'06	46°01'18
	-42 May 08 j 03:47	0°♈	
	-42 Jun 03 j 23:44	0°♉	
	-42 Jun 29 j 18:55	0°♊	
	-42 Jul 24 j 21:53	0°♋	
asc. node	-42 Jul 31 j 03:13	7°♋32'07	
	-42 Aug 18 j 12:12	0°♌	
	-42 Sep 11 j 17:00	0°♍	
greatest brilliancy	-42 Sep 20 j 11:40	10°♍58'03	-3.9m
morning set	-42 Oct 05 j 04:19	29°♍24'01	
	-42 Oct 05 j 15:46	0°♎	
	-42 Oct 29 j 11:50	0°♏	
superior conj	-42 Nov 14 j 09:20	20°♏01'25	0°12'39
minimum elong	-42 Nov 14 j 12:41	20°♏11'56	0°12'28
behind sun begin	-42 Nov 13 j 19:21	19°♏17'21	
behind sun end	-42 Nov 15 j 06:01	21°♏06'31	
max. Earth dist.	-42 Nov 15 j 08:40	21°♏14'51	1.71008 AU
desc. node	-42 Nov 19 j 17:12	26°♏43'50	
	-42 Nov 22 j 07:32	0°♐	
	-42 Dec 16 j 04:10	0°♑	
evening rise	-42 Dec 26 j 06:26	12°♑39'44	
	-41 Jan 09 j 02:50	0°♒	
	-41 Feb 02 j 05:02	0°♓	
	-41 Feb 26 j 13:01	0°♈	
asc. node	-41 Mar 12 j 20:06	17°♈25'59	
	-41 Mar 23 j 05:40	0°♉	
	-41 Apr 17 j 10:49	0°♊	
	-41 May 13 j 11:28	0°♋	
	-41 Jun 10 j 01:15	0°♌	
evening max el	-41 Jun 24 j 11:44	14°♌25'43	45°36'08
desc. node	-41 Jul 02 j 09:44	21°♌45'02	
	-41 Jul 12 j 05:54	0°♍	
greatest brilliancy	-41 Aug 01 j 09:24	12°♍08'26	-4.5m
retrograde	-41 Aug 12 j 08:08	14°♍17'04	
evening set	-41 Aug 30 j 09:02	8°♍17'28	
inferior conj	-41 Sep 02 j 09:41	6°♍27'29	-8°-45'-39
minimum elong	-41 Sep 02 j 12:15	6°♍23'33	8°45'34
min. Earth dist.	-41 Sep 03 j 03:23	6°♍00'21	0.27795 AU
morning rise	-41 Sep 05 j 15:14	4°♍29'37	
	-41 Sep 14 j 18:32	30°ℝ♌	
direct	-41 Sep 23 j 11:49	28°♌27'56	
	-41 Oct 02 j 12:36	0°♍	
greatest brilliancy	-41 Oct 07 j 15:02	2°♍04'24	-4.6m
asc. node	-41 Oct 23 j 12:42	12°♍34'14	
	-41 Nov 11 j 12:03	0°♎	
morning max el	-41 Nov 13 j 03:46	1°♎40'48	46°52'23
	-41 Dec 09 j 03:40	0°♏	
	-40 Jan 03 j 19:44	0°♐	
	-40 Jan 28 j 19:27	0°♑	
desc. node	-40 Feb 12 j 02:34	17°♑19'09	
	-40 Feb 22 j 13:01	0°♒	
	-40 Mar 18 j 04:19	0°♓	
	-40 Apr 11 j 18:42	0°♈	
	-40 May 06 j 08:18	0°♉	
morning set	-40 May 16 j 14:08	12°♉31'45	
	-40 May 30 j 20:26	0°♊	
asc. node	-40 Jun 04 j 05:41	5°♊22'47	
max. Earth dist.	-40 Jun 19 j 02:21	23°♊38'46	1.73451 AU
superior conj	-40 Jun 21 j 20:53	27°♊03'30	0°40'08
minimum elong	-40 Jun 21 j 13:43	26°♊41'27	0°39'50
	-40 Jun 24 j 06:12	0°♋	
	-40 Jul 18 j 13:18	0°♌	
evening rise	-40 Jul 27 j 15:39	11°♌15'44	
	-40 Aug 11 j 18:28	0°♍	
	-40 Sep 04 j 23:06	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	-40 Sep 23 j 19:29	23°♎20'48		
	-40 Sep 29 j 04:38	0°♏		
	-40 Oct 23 j 12:21	0°♐		
	-40 Nov 17 j 00:30	0°♑		
	-40 Dec 11 j 22:34	0°♒		
	-39 Jan 06 j 19:57	0°♓		
asc. node	-39 Jan 14 j 22:11	8°♓57'23		
evening max el	-39 Jan 30 j 02:37	24°♓52'31	46°23'37	
	-39 Feb 04 j 07:59	0°♈		
greatest brilliancy	-39 Mar 06 j 08:41	23°♈01'31	-4.5m	
retrograde	-39 Mar 20 j 23:54	26°♈51'54		
evening set	-39 Apr 06 j 10:03	21°♈38'17		
inferior conj	-39 Apr 11 j 09:34	18°♈34'15	5°25'44	
minimum elong	-39 Apr 11 j 18:50	18°♈19'34	5°23'39	
min. Earth dist.	-39 Apr 11 j 13:47	18°♈27'35	0.28915 AU	
morning rise	-39 Apr 17 j 03:44	15°♈03'10		
direct	-39 May 02 j 20:53	10°♈16'19		
desc. node	-39 May 06 j 12:01	10°♈31'18		
greatest brilliancy	-39 May 15 j 17:25	13°♈10'18	-4.5m	
	-39 Jun 09 j 15:24	0°♉		
morning max el	-39 Jun 20 j 15:13	9°♉58'38	45°45'34	
	-39 Jul 10 j 10:06	0°♊		
	-39 Aug 06 j 12:31	0°♋		
asc. node	-39 Aug 27 j 15:12	24°♋40'09		
	-39 Sep 01 j 02:26	0°♌		
	-39 Sep 25 j 19:24	0°♍		
	-39 Oct 20 j 00:05	0°♎		
	-39 Nov 12 j 22:42	0°♏		
	-39 Dec 06 j 19:28	0°♐		
desc. node	-39 Dec 17 j 04:56	13°♐03'36		
morning set	-39 Dec 20 j 07:10	16°♐56'40		
	-39 Dec 30 j 16:47	0°♑		
	-38 Jan 23 j 15:49	0°♒		
superior conj	-38 Jan 30 j 22:22	9°♒05'04	-1°-20'-51	
minimum elong	-38 Jan 30 j 15:20	8°♒43'06	1°20'47	
max. Earth dist.	-38 Feb 03 j 22:49	14°♒05'51	1.71940 AU	
	-38 Feb 16 j 17:22	0°♓		
evening rise	-38 Mar 11 j 14:26	28°♓21'36		
	-38 Mar 12 j 22:18	0°♈		
	-38 Apr 06 j 07:28	0°♉		
asc. node	-38 Apr 09 j 08:05	3°♉42'17		
	-38 Apr 30 j 21:34	0°♊		
	-38 May 25 j 17:28	0°♋		
	-38 Jun 19 j 21:11	0°♌		
	-38 Jul 15 j 13:19	0°♍		
desc. node	-38 Jul 29 j 21:33	16°♍21'01		
	-38 Aug 11 j 04:19	0°♎		
evening max el	-38 Sep 05 j 19:33	26°♎50'03	46°49'33	
	-38 Sep 09 j 01:46	0°♏		
greatest brilliancy	-38 Oct 14 j 23:14	26°♏36'09	-4.7m	
retrograde	-38 Oct 26 j 00:15	28°♏52'30		
evening set	-38 Nov 09 j 11:49	24°♏42'51		
inferior conj	-38 Nov 15 j 12:23	21°♏12'21	-1°-10'-13	
minimum elong	-38 Nov 15 j 15:03	21°♏08'17	1°09'21	
min. Earth dist.	-38 Nov 15 j 12:09	21°♏12'42	0.26354 AU	
asc. node	-38 Nov 20 j 00:34	18°♏32'09		
morning rise	-38 Nov 21 j 18:15	17°♏35'11		
direct	-38 Dec 05 j 20:02	13°♏36'30		
greatest brilliancy	-38 Dec 17 j 21:08	16°♏20'10	-4.7m	
	-37 Jan 07 j 12:41	0°♐		
morning max el	-37 Jan 25 j 05:43	16°♐28'48	46°44'22	
	-37 Feb 07 j 06:19	0°♑		
	-37 Mar 06 j 07:08	0°♒		
desc. node	-37 Mar 11 j 14:35	6°♒04'56		
	-37 Apr 01 j 04:48	0°♓		
	-37 Apr 26 j 14:10	0°♈		
	-37 May 21 j 16:10	0°♉		
	-37 Jun 15 j 12:02	0°♊		
asc. node	-37 Jul 02 j 17:26	20°♊59'53		
	-37 Jul 10 j 01:39	0°♋		
morning set	-37 Jul 24 j 01:56	17°♋15'20		
	-37 Aug 03 j 09:05	0°♌		
max. Earth dist.	-37 Aug 26 j 11:06	28°♌43'55	1.72055 AU	
	-37 Aug 27 j 11:29	0°♍		
superior conj	-37 Aug 29 j 22:58	3°♍05'47	1°24'23	
minimum elong	-37 Aug 30 j 00:20	3°♍10'02	1°24'23	
	-37 Sep 20 j 10:49	0°♎		
evening rise	-37 Oct 07 j 15:26	21°♎33'02		
	-37 Oct 14 j 09:10	0°♏		
desc. node	-37 Oct 22 j 07:27	9°♏56'08		
	-37 Nov 07 j 07:57	0°♐		
	-37 Dec 01 j 08:14	0°♑		
	-37 Dec 25 j 11:46	0°♒		
	-36 Jan 18 j 22:08	0°♓		
asc. node	-36 Feb 12 j 10:12	29°♓26'01		
	-36 Feb 12 j 21:42	0°♈		
	-36 Mar 09 j 22:04	0°♉		
	-36 Apr 07 j 03:58	0°♊		
evening max el	-36 Apr 11 j 00:14	3°♊45'09	45°23'13	
greatest brilliancy	-36 May 15 j 09:27	29°♊56'06	-4.5m	
	-36 May 15 j 12:53	0°♋		
retrograde	-36 May 29 j 11:52	3°♋22'26		
desc. node	-36 Jun 02 j 23:55	2°♋58'36		
	-36 Jun 11 j 16:09	30°℞♊		
evening set	-36 Jun 13 j 15:47	28°♊58'01		
inferior conj	-36 Jun 19 j 22:09	25°♊13'42	-3°-49'-52	
minimum elong	-36 Jun 19 j 14:24	25°♊25'45	3°47'51	
min. Earth dist.	-36 Jun 20 j 00:32	25°♊09'59	0.28892 AU	
morning rise	-36 Jun 25 j 12:52	21°♊50'44		
direct	-36 Jul 11 j 15:00	16°♊56'57		
greatest brilliancy	-36 Jul 25 j 20:50	20°♊29'49	-4.5m	
	-36 Aug 09 j 23:30	0°♋		
morning max el	-36 Aug 30 j 02:05	17°♋47'27	46°13'17	
	-36 Sep 11 j 01:16	0°♌		
asc. node	-36 Sep 24 j 03:03	14°♌13'57		
	-36 Oct 07 j 22:58	0°♍		
	-36 Nov 02 j 04:18	0°♎		
	-36 Nov 26 j 16:06	0°♏		
	-36 Dec 20 j 20:57	0°♐		
desc. node	-35 Jan 13 j 16:46	29°♐37'27		
	-35 Jan 14 j 00:02	0°♑		
	-35 Feb 07 j 03:36	0°♒		
	-35 Mar 03 j 08:39	0°♓		
morning set	-35 Mar 06 j 02:38	3°♓24'01		
	-35 Mar 27 j 15:36	0°♈		
superior conj	-35 Apr 13 j 00:50	20°♈10'38	0°-52'-20	
minimum elong	-35 Apr 13 j 09:53	20°♈38'30	0°52'01	
max. Earth dist.	-35 Apr 14 j 16:53	22°♈13'51	1.73395 AU	
	-35 Apr 21 j 00:30	0°♉		
asc. node	-35 May 06 j 19:53	19°♉25'00		
	-35 May 15 j 10:52	0°♊		
evening rise	-35 May 19 j 20:29	5°♊23'54		
	-35 Jun 08 j 22:11	0°♋		
	-35 Jul 03 j 10:31	0°♌		
	-35 Jul 28 j 00:56	0°♍		
	-35 Aug 21 j 19:24	0°♎		
desc. node	-35 Aug 26 j 09:37	5°♎31'49		
	-35 Sep 15 j 20:44	0°♏		
	-35 Oct 11 j 10:26	0°♐		
	-35 Nov 07 j 04:27	0°♑		
evening max el	-35 Nov 17 j 11:50	10°♑49'58	47°23'26	

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

	-35 Dec	08 j 00:38	0°♒			-32 Mar	17 j 15:48	0°♓	
asc. node	-35 Dec	17 j 12:24	7°♒03'12			-32 Apr	11 j 05:51	0°♈	
greatest brilliancy	-35 Dec	25 j 06:21	11°♒26'06	-4.7m		-32 May	05 j 19:13	0°♉	
retrograde	-34 Jan	07 j 12:23	14°♒42'28		morning set	-32 May	14 j 08:29	10°♉27'47	
evening set	-34 Jan	24 j 11:27	9°♒01'25			-32 May	30 j 07:14	0°♊	
min. Earth dist.	-34 Jan	27 j 11:03	7°♒10'38	0.27616 AU	asc. node	-32 Jun	03 j 07:42	4°♊55'53	
inferior conj	-34 Jan	28 j 09:48	6°♒34'47	8°09'32	max. Earth dist.	-32 Jun	17 j 00:42	21°♊46'40	1.73482 AU
minimum elong	-34 Jan	28 j 03:09	6°♒45'16	8°08'50					
morning rise	-34 Jan	31 j 19:14	4°♒28'34		superior conj	-32 Jun	19 j 15:30	24°♊59'55	0°37'22
	-34 Feb	10 j 02:00	30°℞♑		minimum elong	-32 Jun	19 j 08:43	24°♊39'01	0°37'05
direct	-34 Feb	18 j 03:36	28°♑40'46			-32 Jun	23 j 16:58	0°♋	
	-34 Feb	26 j 12:39	0°♒			-32 Jul	18 j 00:10	0°♌	
greatest brilliancy	-34 Feb	28 j 16:34	0°♒44'00	-4.6m	evening rise	-32 Jul	25 j 09:41	9°♌09'13	
desc. node	-34 Apr	08 j 02:17	29°♒08'26			-32 Aug	11 j 05:32	0°♍	
morning max el	-34 Apr	08 j 07:58	29°♒22'08	46°02'29		-32 Sep	04 j 10:28	0°♎	
	-34 Apr	08 j 23:37	0°♓		desc. node	-32 Sep	22 j 21:33	22°♎51'09	
	-34 May	07 j 19:49	0°♈			-32 Sep	28 j 16:22	0°♏	
	-34 Jun	03 j 13:12	0°♉			-32 Oct	23 j 00:35	0°♐	
	-34 Jun	29 j 07:08	0°♊			-32 Nov	16 j 13:26	0°♑	
	-34 Jul	24 j 09:25	0°♋			-32 Dec	11 j 12:40	0°♒	
asc. node	-34 Jul	30 j 05:21	7°♋03'51			-31 Jan	06 j 12:28	0°♓	
	-34 Aug	17 j 23:24	0°♌		asc. node	-31 Jan	14 j 00:24	8°♓15'05	
	-34 Sep	11 j 04:02	0°♍		evening max el	-31 Jan	27 j 17:55	22°♓36'43	46°26'30
greatest brilliancy	-34 Sep	22 j 01:33	13°♍37'15	-3.9m		-31 Feb	04 j 08:16	0°♈	
morning set	-34 Oct	02 j 17:34	27°♍00'15		greatest brilliancy	-31 Mar	04 j 00:32	20°♈50'15	-4.6m
	-34 Oct	05 j 02:47	0°♎		retrograde	-31 Mar	18 j 17:10	24°♈42'25	
	-34 Oct	28 j 22:51	0°♏		evening set	-31 Apr	04 j 05:14	19°♈24'31	
					inferior conj	-31 Apr	09 j 02:08	16°♈24'21	5°40'42
superior conj	-34 Nov	11 j 19:31	17°♏27'42	0°16'32	minimum elong	-31 Apr	09 j 11:32	16°♈09'29	5°38'40
minimum elong	-34 Nov	11 j 23:51	17°♏41'19	0°16'19	min. Earth dist.	-31 Apr	09 j 05:42	16°♈18'43	0.28901 AU
behind sun begin	-34 Nov	11 j 22:23	17°♏36'41		morning rise	-31 Apr	14 j 18:00	12°♈56'51	
behind sun end	-34 Nov	12 j 01:19	17°♏45'56		direct	-31 Apr	30 j 13:04	8°♈06'36	
max. Earth dist.	-34 Nov	12 j 11:08	18°♏16'52	1.71008 AU	desc. node	-31 May	05 j 14:00	8°♈35'18	
desc. node	-34 Nov	18 j 19:11	26°♏15'28		greatest brilliancy	-31 May	13 j 08:21	10°♈59'46	-4.5m
	-34 Nov	21 j 18:33	0°♐			-31 Jun	09 j 18:59	0°♉	
	-34 Dec	15 j 15:12	0°♑		morning max el	-31 Jun	18 j 08:26	7°♉51'53	45°45'17
evening rise	-34 Dec	23 j 16:29	10°♑06'11			-31 Jul	10 j 03:02	0°♊	
	-33 Jan	08 j 13:54	0°♒			-31 Aug	06 j 02:26	0°♋	
	-33 Feb	01 j 16:13	0°♓		asc. node	-31 Aug	26 j 17:19	24°♋08'23	
	-33 Feb	26 j 00:25	0°♈			-31 Aug	31 j 15:03	0°♌	
asc. node	-33 Mar	11 j 22:13	16°♈57'12			-31 Sep	25 j 07:21	0°♍	
	-33 Mar	22 j 17:30	0°♉			-31 Oct	19 j 11:42	0°♎	
	-33 Apr	16 j 23:32	0°♊			-31 Nov	12 j 10:08	0°♏	
	-33 May	13 j 01:57	0°♋			-31 Dec	06 j 06:48	0°♐	
	-33 Jun	09 j 20:03	0°♌		desc. node	-31 Dec	16 j 06:58	12°♐34'29	
evening max el	-33 Jun	22 j 00:53	12°♌07'10	45°34'23	morning set	-31 Dec	17 j 16:39	14°♐20'15	
desc. node	-33 Jul	01 j 11:48	20°♌47'56			-31 Dec	30 j 04:02	0°♑	
	-33 Jul	12 j 20:07	0°♍			-30 Jan	23 j 02:59	0°♒	
greatest brilliancy	-33 Jul	29 j 20:16	9°♍47'22	-4.5m					
retrograde	-33 Aug	09 j 21:28	11°♍58'40		superior conj	-30 Jan	28 j 09:48	6°♒36'09	-1°-19'-34
evening set	-33 Aug	27 j 22:45	5°♍58'15		minimum elong	-30 Jan	28 j 01:57	6°♒11'38	1°19'26
inferior conj	-33 Aug	30 j 23:37	4°♍08'05	-8°-47'-12	max. Earth dist.	-30 Feb	01 j 09:06	11°♒33'34	1.71884 AU
minimum elong	-33 Aug	31 j 01:18	4°♍05'30	8°47'11		-30 Feb	16 j 04:26	0°♓	
min. Earth dist.	-33 Aug	31 j 16:59	3°♍41'28	0.27858 AU	evening rise	-30 Mar	09 j 04:42	26°♓03'18	
morning rise	-33 Sep	03 j 03:36	2°♍12'36			-30 Mar	12 j 09:20	0°♈	
	-33 Sep	07 j 01:44	30°℞♌			-30 Apr	05 j 18:35	0°♉	
direct	-33 Sep	21 j 02:03	26°♌07'15		asc. node	-30 Apr	08 j 10:06	3°♉14'25	
greatest brilliancy	-33 Oct	05 j 07:58	29°♌46'32	-4.6m		-30 Apr	30 j 08:56	0°♊	
	-33 Oct	05 j 19:00	0°♍			-30 May	25 j 05:19	0°♋	
asc. node	-33 Oct	22 j 14:45	11°♍24'51			-30 Jun	19 j 09:54	0°♌	
morning max el	-33 Nov	10 j 18:07	29°♍17'39	46°51'49		-30 Jul	15 j 03:33	0°♍	
	-33 Nov	11 j 10:40	0°♎		desc. node	-30 Jul	28 j 23:42	15°♍43'14	
	-33 Dec	08 j 20:03	0°♏			-30 Aug	10 j 21:38	0°♎	
	-32 Jan	03 j 09:45	0°♐		evening max el	-30 Sep	03 j 10:02	24°♎29'09	46°47'00
	-32 Jan	28 j 08:13	0°♑			-30 Sep	09 j 03:49	0°♏	
desc. node	-32 Feb	11 j 04:46	16°♑48'26		greatest brilliancy	-30 Oct	12 j 12:10	24°♏07'05	-4.7m
	-32 Feb	22 j 01:02	0°♒		retrograde	-30 Oct	23 j 12:40	26°♏22'02	

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

evening set	-30 Nov 07 j 01:25	22°♏10'46	
inferior conj	-30 Nov 13 j 00:21	18°♏42'13	-1°-34'-38
minimum elong	-30 Nov 13 j 03:56	18°♏36'46	1°33'30
min. Earth dist.	-30 Nov 13 j 01:21	18°♏40'41	0.26365 AU
morning rise	-30 Nov 19 j 06:27	15°♏04'53	
asc. node	-30 Nov 19 j 02:33	15°♏10'01	
direct	-30 Dec 03 j 08:55	11°♏06'23	
greatest brilliancy	-30 Dec 15 j 10:29	13°♏50'56	-4.7m
	-29 Jan 07 j 22:38	0°♐	
morning max el	-29 Jan 22 j 19:36	14°♐04'29	46°45'26
	-29 Feb 07 j 01:32	0°♑	
	-29 Mar 05 j 22:20	0°♒	
desc. node	-29 Mar 10 j 16:36	5°♒28'15	
	-29 Mar 31 j 18:08	0°♓	
	-29 Apr 26 j 02:26	0°♈	
	-29 May 21 j 03:47	0°♉	
	-29 Jun 14 j 23:16	0°♊	
asc. node	-29 Jul 01 j 19:37	20°♊32'42	
	-29 Jul 09 j 12:42	0°♋	
morning set	-29 Jul 21 j 19:29	15°♋07'24	
	-29 Aug 02 j 20:05	0°♌	
max. Earth dist.	-29 Aug 23 j 22:43	26°♌15'58	1.72113 AU
	-29 Aug 26 j 22:31	0°♍	
superior conj	-29 Aug 27 j 15:02	0°♍51'36	1°24'32
minimum elong	-29 Aug 27 j 15:38	0°♍53'26	1°24'33
	-29 Sep 19 j 21:58	0°♎	
evening rise	-29 Oct 05 j 03:37	19°♎05'26	
	-29 Oct 13 j 20:29	0°♏	
desc. node	-29 Oct 21 j 09:25	9°♏26'43	
	-29 Nov 06 j 19:28	0°♐	
	-29 Nov 30 j 19:57	0°♑	
	-29 Dec 24 j 23:47	0°♒	
	-28 Jan 18 j 10:38	0°♓	
asc. node	-28 Feb 11 j 12:16	28°♓52'29	
	-28 Feb 12 j 11:09	0°♈	
	-28 Mar 09 j 13:34	0°♉	
	-28 Apr 07 j 01:18	0°♊	
evening max el	-28 Apr 08 j 16:16	1°♊34'24	45°24'21
greatest brilliancy	-28 May 13 j 01:13	27°♊46'44	-4.5m
	-28 May 18 j 22:31	0°♋	
retrograde	-28 May 27 j 03:32	1°♋13'35	
desc. node	-28 Jun 02 j 01:59	0°♋32'15	
	-28 Jun 04 j 01:25	30°℞♊	
evening set	-28 Jun 11 j 07:01	26°♊50'48	
inferior conj	-28 Jun 17 j 14:32	23°♊04'42	-3°-32'-2
minimum elong	-28 Jun 17 j 07:17	23°♊16'01	3°30'06
min. Earth dist.	-28 Jun 17 j 17:09	23°♊00'38	0.28902 AU
morning rise	-28 Jun 23 j 07:22	19°♊38'20	
direct	-28 Jul 09 j 07:24	14°♊47'50	
greatest brilliancy	-28 Jul 23 j 11:24	18°♊17'54	-4.5m
	-28 Aug 10 j 10:20	0°♋	
morning max el	-28 Aug 27 j 16:29	15°♋30'53	46°11'40
	-28 Sep 10 j 19:38	0°♌	
asc. node	-28 Sep 23 j 05:04	13°♌34'11	
	-28 Oct 07 j 13:41	0°♍	
	-28 Nov 01 j 17:33	0°♎	
	-28 Nov 26 j 04:37	0°♏	
	-28 Dec 20 j 09:00	0°♐	
desc. node	-27 Jan 12 j 18:59	29°♐07'58	
	-27 Jan 13 j 11:43	0°♑	
	-27 Feb 06 j 15:01	0°♒	
	-27 Mar 02 j 19:52	0°♓	
morning set	-27 Mar 03 j 16:37	1°♓04'13	
	-27 Mar 27 j 02:41	0°♈	
superior conj	-27 Apr 10 j 17:29	18°♈00'20	0°-54'-55
minimum elong	-27 Apr 11 j 02:45	18°♈28'51	0°54'35
max. Earth dist.	-27 Apr 12 j 12:43	20°♈13'18	1.73358 AU
	-27 Apr 20 j 11:30	0°♉	
asc. node	-27 May 05 j 21:56	18°♉57'38	
	-27 May 14 j 21:52	0°♊	
evening rise	-27 May 17 j 15:04	3°♊19'55	
	-27 Jun 08 j 09:18	0°♋	
	-27 Jul 02 j 21:54	0°♌	
	-27 Jul 27 j 12:48	0°♍	
	-27 Aug 21 j 08:01	0°♎	
desc. node	-27 Aug 25 j 11:38	4°♎59'30	
	-27 Sep 15 j 10:29	0°♏	
	-27 Oct 11 j 02:08	0°♐	
	-27 Nov 07 j 00:26	0°♑	
evening max el	-27 Nov 15 j 01:34	8°♑24'14	47°23'48
	-27 Dec 08 j 15:22	0°♒	
asc. node	-27 Dec 16 j 14:36	5°♒36'12	
greatest brilliancy	-27 Dec 22 j 23:25	9°♒05'15	-4.7m
retrograde	-26 Jan 05 j 02:24	12°♒18'47	
evening set	-26 Jan 21 j 22:21	6°♒43'34	
min. Earth dist.	-26 Jan 25 j 01:09	4°♒48'14	0.27548 AU
inferior conj	-26 Jan 25 j 23:57	4°♒12'20	8°01'52
minimum elong	-26 Jan 25 j 16:40	4°♒23'48	8°00'59
morning rise	-26 Jan 29 j 11:20	2°♒03'10	
	-26 Feb 02 j 02:46	30°℞♑	
direct	-26 Feb 15 j 16:27	26°♑19'18	
greatest brilliancy	-26 Feb 26 j 06:20	28°♑22'59	-4.6m
	-26 Mar 02 j 01:19	0°♒	
morning max el	-26 Apr 05 j 21:10	27°♒01'44	46°03'50
desc. node	-26 Apr 07 j 04:20	28°♒17'21	
	-26 Apr 08 j 22:13	0°♓	
	-26 May 07 j 11:51	0°♈	
	-26 Jun 03 j 02:48	0°♉	
	-26 Jun 28 j 19:29	0°♊	
	-26 Jul 23 j 21:05	0°♋	
asc. node	-26 Jul 29 j 07:29	6°♋35'10	
	-26 Aug 17 j 10:42	0°♌	
	-26 Sep 10 j 15:11	0°♍	
greatest brilliancy	-26 Sep 23 j 05:40	15°♍45'41	-3.9m
morning set	-26 Sep 30 j 07:16	24°♍37'36	
	-26 Oct 04 j 13:55	0°♎	
	-26 Oct 28 j 10:01	0°♏	
superior conj	-26 Nov 09 j 05:46	14°♏53'36	0°20'23
minimum elong	-26 Nov 09 j 11:02	15°♏10'10	0°20'08
max. Earth dist.	-26 Nov 09 j 15:54	15°♏25'31	1.71021 AU
desc. node	-26 Nov 17 j 21:18	25°♏46'49	
	-26 Nov 21 j 05:46	0°♐	
	-26 Dec 15 j 02:28	0°♑	
evening rise	-26 Dec 21 j 02:10	7°♑30'43	
	-25 Jan 08 j 01:14	0°♒	
	-25 Feb 01 j 03:39	0°♓	
	-25 Feb 25 j 12:04	0°♈	
asc. node	-25 Mar 11 j 00:12	16°♈27'16	
	-25 Mar 22 j 05:36	0°♉	
	-25 Apr 16 j 12:32	0°♊	
	-25 May 12 j 16:49	0°♋	
	-25 Jun 09 j 15:32	0°♌	
evening max el	-25 Jun 19 j 15:00	9°♌50'50	45°32'53
desc. node	-25 Jun 30 j 14:00	19°♌49'37	
	-25 Jul 13 j 15:09	0°♍	
greatest brilliancy	-25 Jul 27 j 06:23	7°♍26'02	-4.5m
retrograde	-25 Aug 07 j 11:34	9°♍41'03	
evening set	-25 Aug 25 j 12:16	3°♍40'26	
inferior conj	-25 Aug 28 j 13:46	1°♍49'26	-8°-47'-55
minimum elong	-25 Aug 28 j 14:33	1°♍48'14	8°47'56
min. Earth dist.	-25 Aug 29 j 06:22	1°♍24'02	0.27917 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	-25 Aug 31 j 16:37	29°♌55'50	
	-25 Aug 31 j 13:49	30°℞♌	
direct	-25 Sep 18 j 17:00	23°♌47'37	
greatest brilliancy	-25 Oct 03 j 00:29	27°♌29'06	-4.6m
	-25 Oct 07 j 15:50	0°♍	
asc. node	-25 Oct 21 j 16:48	10°♍17'50	
morning max el	-25 Nov 08 j 09:13	26°♍56'58	46°50'59
	-25 Nov 11 j 08:19	0°♎	
	-25 Dec 08 j 12:08	0°♏	
	-24 Jan 02 j 23:42	0°♐	
	-24 Jan 27 j 21:04	0°♑	
desc. node	-24 Feb 10 j 06:45	16°♑16'41	
	-24 Feb 21 j 13:10	0°♒	
	-24 Mar 17 j 03:26	0°♓	
	-24 Apr 10 j 17:06	0°♈	
	-24 May 05 j 06:12	0°♉	
morning set	-24 May 12 j 02:29	8°♉22'28	
	-24 May 29 j 18:04	0°♊	
asc. node	-24 Jun 02 j 09:51	4°♊29'12	
max. Earth dist.	-24 Jun 14 j 23:37	19°♊56'11	1.73508 AU
superior conj	-24 Jun 17 j 09:55	22°♊55'31	0°34'33
minimum elong	-24 Jun 17 j 03:32	22°♊35'52	0°34'15
	-24 Jun 23 j 03:48	0°♋	
	-24 Jul 17 j 11:06	0°♌	
evening rise	-24 Jul 23 j 03:50	7°♌02'56	
	-24 Aug 10 j 16:38	0°♍	
	-24 Sep 03 j 21:48	0°♎	
desc. node	-24 Sep 21 j 23:34	22°♎21'34	
	-24 Sep 28 j 04:03	0°♏	
	-24 Oct 22 j 12:45	0°♐	
	-24 Nov 16 j 02:20	0°♑	
	-24 Dec 11 j 02:48	0°♒	
	-23 Jan 06 j 05:17	0°♓	
asc. node	-23 Jan 13 j 02:25	7°♓31'37	
evening max el	-23 Jan 25 j 09:56	20°♓22'22	46°29'08
	-23 Feb 04 j 09:58	0°♈	
greatest brilliancy	-23 Mar 01 j 17:12	18°♈39'12	-4.6m
retrograde	-23 Mar 16 j 10:15	22°♈31'27	
evening set	-23 Apr 02 j 00:11	17°♈09'28	
inferior conj	-23 Apr 06 j 18:23	14°♈13'08	5°55'24
minimum elong	-23 Apr 07 j 03:51	13°♈58'09	5°53'26
min. Earth dist.	-23 Apr 06 j 21:06	14°♈08'50	0.28885 AU
morning rise	-23 Apr 12 j 07:45	10°♈49'24	
direct	-23 Apr 28 j 05:17	5°♈55'48	
desc. node	-23 May 04 j 16:05	6°♈42'31	
greatest brilliancy	-23 May 10 j 21:57	8°♈46'55	-4.5m
	-23 Jun 09 j 21:07	0°♉	
morning max el	-23 Jun 16 j 01:20	5°♉44'17	45°45'03
	-23 Jul 09 j 19:38	0°♊	
	-23 Aug 05 j 16:09	0°♋	
asc. node	-23 Aug 25 j 19:14	23°♋36'28	
	-23 Aug 31 j 03:29	0°♌	
	-23 Sep 24 j 19:09	0°♍	
	-23 Oct 18 j 23:07	0°♎	
	-23 Nov 11 j 21:21	0°♏	
	-23 Dec 05 j 17:54	0°♐	
morning set	-23 Dec 15 j 02:40	11°♐46'16	
desc. node	-23 Dec 15 j 09:09	12°♐06'39	
	-23 Dec 29 j 15:03	0°♑	
	-22 Jan 22 j 13:56	0°♒	
superior conj	-22 Jan 25 j 21:12	4°♒07'42	-1°-18'-6
minimum elong	-22 Jan 25 j 12:35	3°♒40'46	1°17'57
max. Earth dist.	-22 Jan 29 j 21:58	9°♒09'52	1.71836 AU
	-22 Feb 15 j 15:20	0°♓	
evening rise	-22 Mar 06 j 18:36	23°♓44'13	
	-22 Mar 11 j 20:14	0°♈	
	-22 Apr 05 j 05:35	0°♉	
asc. node	-22 Apr 07 j 12:08	2°♉46'56	
	-22 Apr 29 j 20:12	0°♊	
	-22 May 24 j 17:05	0°♋	
	-22 Jun 18 j 22:32	0°♌	
	-22 Jul 14 j 17:47	0°♍	
desc. node	-22 Jul 28 j 01:41	15°♍05'08	
	-22 Aug 10 j 15:07	0°♎	
evening max el	-22 Sep 01 j 00:13	22°♎08'09	46°44'24
	-22 Sep 09 j 07:06	0°♏	
greatest brilliancy	-22 Oct 10 j 02:03	21°♏40'04	-4.6m
retrograde	-22 Oct 21 j 00:36	23°♏52'28	
evening set	-22 Nov 04 j 15:16	19°♏39'35	
inferior conj	-22 Nov 10 j 12:21	16°♏13'19	-1°-58'-53
minimum elong	-22 Nov 10 j 16:49	16°♏06'31	1°57'29
min. Earth dist.	-22 Nov 10 j 14:52	16°♏09'30	0.26373 AU
morning rise	-22 Nov 16 j 18:21	12°♏35'53	
asc. node	-22 Nov 18 j 04:42	11°♏52'20	
direct	-22 Nov 30 j 21:29	8°♏37'31	
greatest brilliancy	-22 Dec 13 j 00:00	11°♏22'59	-4.7m
	-21 Jan 08 j 05:23	0°♐	
morning max el	-21 Jan 20 j 08:25	11°♐38'36	46°46'31
	-21 Feb 06 j 19:46	0°♑	
	-21 Mar 05 j 12:56	0°♒	
desc. node	-21 Mar 09 j 18:38	4°♒53'03	
	-21 Mar 31 j 07:02	0°♓	
	-21 Apr 25 j 14:22	0°♈	
	-21 May 20 j 15:08	0°♉	
	-21 Jun 14 j 10:16	0°♊	
asc. node	-21 Jun 30 j 21:40	20°♊05'50	
	-21 Jul 08 j 23:29	0°♋	
morning set	-21 Jul 19 j 12:41	12°♋59'20	
	-21 Aug 02 j 06:48	0°♌	
max. Earth dist.	-21 Aug 21 j 11:15	23°♌51'53	1.72171 AU
superior conj	-21 Aug 25 j 07:01	28°♌38'06	1°24'34
minimum elong	-21 Aug 25 j 06:50	28°♌37'33	1°24'35
	-21 Aug 26 j 09:16	0°♍	
	-21 Sep 19 j 08:51	0°♎	
evening rise	-21 Oct 02 j 15:54	16°♎39'09	
	-21 Oct 13 j 07:32	0°♏	
desc. node	-21 Oct 20 j 11:32	8°♏58'40	
	-21 Nov 06 j 06:41	0°♐	
	-21 Nov 30 j 07:21	0°♑	
	-21 Dec 24 j 11:26	0°♒	
	-20 Jan 17 j 22:45	0°♓	
asc. node	-20 Feb 10 j 14:15	28°♓19'55	
	-20 Feb 12 j 00:14	0°♈	
	-20 Mar 09 j 04:49	0°♉	
evening max el	-20 Apr 06 j 07:20	29°♉22'17	45°25'19
	-20 Apr 06 j 23:01	0°♊	
greatest brilliancy	-20 May 10 j 16:12	25°♊36'56	-4.5m
retrograde	-20 May 24 j 19:06	29°♊05'19	
desc. node	-20 Jun 01 j 04:09	28°♊01'21	
evening set	-20 Jun 08 j 22:13	24°♊43'35	
inferior conj	-20 Jun 15 j 06:48	20°♊56'08	-3°-13'-43
minimum elong	-20 Jun 15 j 00:05	21°♊06'37	3°11'54
min. Earth dist.	-20 Jun 15 j 09:53	20°♊51'19	0.28917 AU
morning rise	-20 Jun 21 j 01:40	17°♊26'33	
direct	-20 Jul 06 j 23:16	12°♊38'56	
greatest brilliancy	-20 Jul 21 j 03:06	16°♊07'54	-4.5m
	-20 Aug 10 j 18:01	0°♋	
morning max el	-20 Aug 25 j 06:42	13°♋14'43	46°10'14
	-20 Sep 10 j 13:17	0°♌	
asc. node	-20 Sep 22 j 07:12	12°♌55'58	
	-20 Oct 07 j 03:55	0°♍	

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

	-20 Nov 01 j 06:22	0°♎	
	-20 Nov 25 j 16:42	0°♏	
	-20 Dec 19 j 20:38	0°♐	
desc. node	-19 Jan 11 j 20:56	28°♐38'52	
	-19 Jan 12 j 23:00	0°♑	
	-19 Feb 06 j 02:02	0°♒	
morning set	-19 Mar 01 j 06:46	28°♒46'05	
	-19 Mar 02 j 06:39	0°♓	
	-19 Mar 26 j 13:20	0°♈	
superior conj	-19 Apr 08 j 10:22	15°♈52'02	0°-57'-23
minimum elong	-19 Apr 08 j 19:47	16°♈21'00	0°57'03
max. Earth dist.	-19 Apr 10 j 07:58	18°♈12'20	1.73323 AU
	-19 Apr 19 j 22:05	0°♉	
asc. node	-19 May 05 j 00:06	18°♉31'50	
	-19 May 14 j 08:29	0°♊	
evening rise	-19 May 15 j 09:44	1°♊17'25	
	-19 Jun 07 j 20:05	0°♋	
	-19 Jul 02 j 09:00	0°♌	
	-19 Jul 27 j 00:25	0°♍	
	-19 Aug 20 j 20:24	0°♎	
desc. node	-19 Aug 24 j 13:39	4°♎27'58	
	-19 Sep 15 j 00:02	0°♏	
	-19 Oct 10 j 17:43	0°♐	
	-19 Nov 06 j 20:38	0°♑	
evening max el	-19 Nov 12 j 15:06	5°♑59'09	47°24'12
	-19 Dec 09 j 10:23	0°♒	
asc. node	-19 Dec 15 j 16:40	4°♒07'03	
greatest brilliancy	-19 Dec 20 j 15:34	6°♒44'09	-4.7m
retrograde	-18 Jan 02 j 16:38	9°♒56'17	
evening set	-18 Jan 19 j 09:06	4°♒26'41	
min. Earth dist.	-18 Jan 22 j 15:09	2°♒26'54	0.27479 AU
inferior conj	-18 Jan 23 j 14:05	1°♒50'51	7°53'14
minimum elong	-18 Jan 23 j 06:14	2°♒03'12	7°52'11
	-18 Jan 26 j 13:29	30°℞♑	
morning rise	-18 Jan 27 j 03:42	29°♑38'35	
direct	-18 Feb 13 j 05:16	23°♑58'41	
greatest brilliancy	-18 Feb 23 j 20:26	26°♑03'31	-4.6m
	-18 Mar 04 j 00:04	0°♒	
morning max el	-18 Apr 03 j 11:11	24°♒44'33	46°05'22
desc. node	-18 Apr 06 j 06:25	27°♒28'40	
	-18 Apr 08 j 19:24	0°♓	
	-18 May 07 j 03:09	0°♈	
	-18 Jun 02 j 15:50	0°♉	
	-18 Jun 28 j 07:25	0°♊	
	-18 Jul 23 j 08:25	0°♋	
asc. node	-18 Jul 28 j 09:26	6°♋06'54	
	-18 Aug 16 j 21:44	0°♌	
	-18 Sep 10 j 02:06	0°♍	
greatest brilliancy	-18 Sep 24 j 12:24	18°♍03'07	-3.9m
morning set	-18 Sep 27 j 20:54	22°♍15'34	
	-18 Oct 04 j 00:48	0°♎	
	-18 Oct 27 j 20:55	0°♏	
superior conj	-18 Nov 06 j 15:55	12°♏20'01	0°24'12
minimum elong	-18 Nov 06 j 22:04	12°♏39'23	0°23'55
max. Earth dist.	-18 Nov 06 j 23:42	12°♏44'31	1.71032 AU
desc. node	-18 Nov 16 j 23:25	25°♏19'07	
	-18 Nov 20 j 16:42	0°♐	
	-18 Dec 14 j 13:27	0°♑	
evening rise	-18 Dec 18 j 11:53	4°♑56'11	
	-17 Jan 07 j 12:18	0°♒	
	-17 Jan 31 j 14:49	0°♓	
	-17 Feb 24 j 23:26	0°♈	
asc. node	-17 Mar 10 j 02:19	15°♈58'39	
	-17 Mar 21 j 17:23	0°♉	
	-17 Apr 16 j 01:14	0°♊	
	-17 May 12 j 07:28	0°♋	
	-17 Jun 09 j 11:11	0°♌	
evening max el	-17 Jun 17 j 05:54	7°♌37'31	45°31'14
desc. node	-17 Jun 29 j 15:56	18°♌50'17	
	-17 Jul 14 j 16:28	0°♍	
greatest brilliancy	-17 Jul 24 j 16:13	5°♍05'17	-4.5m
retrograde	-17 Aug 05 j 01:43	7°♍23'55	
evening set	-17 Aug 23 j 01:21	1°♍23'50	
	-17 Aug 25 j 09:02	30°℞♌	
inferior conj	-17 Aug 26 j 03:51	29°♌31'15	-8°-47'-44
minimum elong	-17 Aug 26 j 03:46	29°♌31'22	8°47'45
min. Earth dist.	-17 Aug 26 j 19:24	29°♌07'28	0.27979 AU
morning rise	-17 Aug 29 j 06:01	27°♌38'44	
direct	-17 Sep 16 j 08:26	21°♌28'35	
greatest brilliancy	-17 Sep 30 j 16:25	25°♌11'15	-4.6m
	-17 Oct 08 j 22:13	0°♍	
asc. node	-17 Oct 20 j 18:56	9°♍12'50	
morning max el	-17 Nov 06 j 00:34	24°♍37'18	46°50'06
	-17 Nov 11 j 05:08	0°♎	
	-17 Dec 08 j 03:51	0°♏	
	-16 Jan 02 j 13:22	0°♐	
	-16 Jan 27 j 09:38	0°♑	
desc. node	-16 Feb 09 j 08:48	15°♑45'54	
	-16 Feb 21 j 01:03	0°♒	
	-16 Mar 16 j 14:50	0°♓	
	-16 Apr 10 j 04:07	0°♈	
	-16 May 04 j 16:58	0°♉	
morning set	-16 May 09 j 20:52	6°♉19'00	
	-16 May 29 j 04:42	0°♊	
asc. node	-16 Jun 01 j 11:54	4°♊02'59	
max. Earth dist.	-16 Jun 12 j 23:13	18°♊08'32	1.73529 AU
superior conj	-16 Jun 15 j 04:43	20°♊53'03	0°31'42
minimum elong	-16 Jun 14 j 22:46	20°♊34'44	0°31'26
	-16 Jun 22 j 14:25	0°♋	
	-16 Jul 16 j 21:49	0°♌	
evening rise	-16 Jul 20 j 22:22	4°♌58'31	
	-16 Aug 10 j 03:35	0°♍	
	-16 Sep 03 j 09:04	0°♎	
desc. node	-16 Sep 21 j 01:43	21°♎52'30	
	-16 Sep 27 j 15:44	0°♏	
	-16 Oct 22 j 00:58	0°♐	
	-16 Nov 15 j 15:19	0°♑	
	-16 Dec 10 j 17:04	0°♒	
	-15 Jan 05 j 22:22	0°♓	
asc. node	-15 Jan 12 j 04:25	6°♓47'43	
evening max el	-15 Jan 23 j 02:13	18°♓08'44	46°31'51
	-15 Feb 04 j 13:00	0°♈	
greatest brilliancy	-15 Feb 27 j 11:07	16°♈30'10	-4.6m
retrograde	-15 Mar 14 j 03:10	20°♈20'51	
evening set	-15 Mar 30 j 19:21	14°♈55'00	
inferior conj	-15 Apr 04 j 10:45	12°♈02'27	6°09'40
minimum elong	-15 Apr 04 j 20:15	11°♈47'24	6°07'44
min. Earth dist.	-15 Apr 04 j 12:36	11°♈59'31	0.28863 AU
morning rise	-15 Apr 09 j 21:26	8°♈42'31	
direct	-15 Apr 25 j 21:49	3°♈45'43	
desc. node	-15 May 03 j 18:14	4°♈54'20	
greatest brilliancy	-15 May 08 j 10:52	6°♈33'38	-4.5m
	-15 Jun 09 j 21:44	0°♉	
morning max el	-15 Jun 13 j 17:42	3°♉35'52	45°44'57
	-15 Jul 09 j 11:46	0°♊	
	-15 Aug 05 j 05:36	0°♋	
asc. node	-15 Aug 24 j 21:26	23°♋05'51	
	-15 Aug 30 j 15:46	0°♌	
	-15 Sep 24 j 06:52	0°♍	
	-15 Oct 18 j 10:34	0°♎	
	-15 Nov 11 j 08:39	0°♏	

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

	-15 Dec 05 j 05:07	0°♐	
morning set	-15 Dec 12 j 12:15	9°♐10'27	
desc. node	-15 Dec 14 j 11:09	11°♐37'49	
	-15 Dec 29 j 02:12	0°♑	
	-14 Jan 22 j 00:59	0°♒	
superior conj	-14 Jan 23 j 08:06	1°♒37'15	-1°-16'-27
minimum elong	-14 Jan 22 j 22:46	1°♒08'07	1°16'16
max. Earth dist.	-14 Jan 27 j 11:34	6°♒47'58	1.71781 AU
	-14 Feb 15 j 02:19	0°♓	
evening rise	-14 Mar 04 j 08:11	21°♓23'47	
	-14 Mar 11 j 07:13	0°♈	
	-14 Apr 04 j 16:41	0°♉	
asc. node	-14 Apr 06 j 14:18	2°♉19'36	
	-14 Apr 29 j 07:34	0°♊	
	-14 May 24 j 04:57	0°♋	
	-14 Jun 18 j 11:16	0°♌	
	-14 Jul 14 j 08:09	0°♍	
desc. node	-14 Jul 27 j 03:47	14°♍27'01	
	-14 Aug 10 j 08:58	0°♎	
evening max el	-14 Aug 29 j 13:23	19°♎44'47	46°41'36
	-14 Sep 09 j 12:06	0°♏	
greatest brilliancy	-14 Oct 07 j 16:19	19°♏13'26	-4.6m
retrograde	-14 Oct 18 j 11:55	21°♏22'51	
evening set	-14 Nov 02 j 05:19	17°♏07'51	
inferior conj	-14 Nov 08 j 00:26	13°♏44'13	-2°-22'-53
minimum elong	-14 Nov 08 j 05:45	13°♏36'07	2°21'13
min. Earth dist.	-14 Nov 08 j 04:45	13°♏37'40	0.26393 AU
morning rise	-14 Nov 14 j 06:04	10°♏06'51	
asc. node	-14 Nov 17 j 06:46	8°♏38'40	
direct	-14 Nov 28 j 09:44	6°♏08'02	
greatest brilliancy	-14 Dec 10 j 14:52	8°♏55'47	-4.7m
	-13 Jan 08 j 10:30	0°♐	
morning max el	-13 Jan 17 j 20:29	9°♐09'31	46°47'33
	-13 Feb 06 j 13:58	0°♑	
	-13 Mar 05 j 03:41	0°♒	
desc. node	-13 Mar 08 j 20:50	4°♒17'39	
	-13 Mar 30 j 20:05	0°♓	
	-13 Apr 25 j 02:28	0°♈	
	-13 May 20 j 02:39	0°♉	
	-13 Jun 13 j 21:26	0°♊	
asc. node	-13 Jun 29 j 23:40	19°♊38'16	
	-13 Jul 08 j 10:27	0°♋	
morning set	-13 Jul 17 j 06:21	10°♋52'06	
	-13 Aug 01 j 17:41	0°♌	
max. Earth dist.	-13 Aug 19 j 02:43	21°♌36'31	1.72227 AU
superior conj	-13 Aug 22 j 23:39	26°♌26'14	1°24'28
minimum elong	-13 Aug 22 j 22:43	26°♌23'20	1°24'27
	-13 Aug 25 j 20:10	0°♍	
	-13 Sep 18 j 19:53	0°♎	
evening rise	-13 Sep 30 j 04:57	14°♎14'54	
	-13 Oct 12 j 18:45	0°♏	
desc. node	-13 Oct 19 j 13:39	8°♏30'02	
	-13 Nov 05 j 18:06	0°♐	
	-13 Nov 29 j 19:01	0°♑	
	-13 Dec 23 j 23:26	0°♒	
	-12 Jan 17 j 11:19	0°♓	
asc. node	-12 Feb 09 j 16:26	27°♓46'28	
	-12 Feb 11 j 13:51	0°♈	
	-12 Mar 08 j 20:46	0°♉	
evening max el	-12 Apr 03 j 21:50	27°♉07'45	45°26'38
	-12 Apr 06 j 22:05	0°♊	
greatest brilliancy	-12 May 08 j 06:20	23°♊25'16	-4.5m
retrograde	-12 May 22 j 11:07	26°♊56'37	
desc. node	-12 May 31 j 06:07	25°♊25'32	
evening set	-12 Jun 06 j 13:40	22°♊35'24	
inferior conj	-12 Jun 12 j 23:09	18°♊46'58	-2°-55'-9
minimum elong	-12 Jun 12 j 17:00	18°♊56'34	2°53'28
min. Earth dist.	-12 Jun 13 j 02:37	18°♊41'34	0.28929 AU
morning rise	-12 Jun 18 j 19:59	15°♊14'31	
direct	-12 Jul 04 j 15:07	10°♊29'18	
greatest brilliancy	-12 Jul 18 j 19:55	13°♊58'44	-4.5m
	-12 Aug 10 j 23:46	0°♋	
morning max el	-12 Aug 22 j 21:45	10°♋59'58	46°09'00
	-12 Sep 10 j 06:48	0°♌	
asc. node	-12 Sep 21 j 09:17	12°♌17'20	
	-12 Oct 06 j 18:14	0°♍	
	-12 Oct 31 j 19:20	0°♎	
	-12 Nov 25 j 04:59	0°♏	
	-12 Dec 19 j 08:30	0°♐	
desc. node	-11 Jan 10 j 23:00	28°♐09'15	
	-11 Jan 12 j 10:35	0°♑	
	-11 Feb 05 j 13:24	0°♒	
morning set	-11 Feb 26 j 20:18	26°♒24'37	
	-11 Mar 01 j 17:51	0°♓	
	-11 Mar 26 j 00:24	0°♈	
superior conj	-11 Apr 06 j 02:44	13°♈40'48	0°-59'-48
minimum elong	-11 Apr 06 j 12:15	14°♈10'05	0°59'29
max. Earth dist.	-11 Apr 08 j 01:33	16°♈04'56	1.73284 AU
	-11 Apr 19 j 09:04	0°♉	
asc. node	-11 May 04 j 02:06	18°♉04'15	
evening rise	-11 May 13 j 04:04	29°♉12'43	
	-11 May 13 j 19:29	0°♊	
	-11 Jun 07 j 07:14	0°♋	
	-11 Jul 01 j 20:29	0°♌	
	-11 Jul 26 j 12:26	0°♍	
	-11 Aug 20 j 09:10	0°♎	
desc. node	-11 Aug 23 j 15:49	3°♎55'47	
	-11 Sep 14 j 13:59	0°♏	
	-11 Oct 10 j 09:46	0°♐	
	-11 Nov 06 j 17:42	0°♑	
evening max el	-11 Nov 10 j 05:11	3°♑35'00	47°24'33
	-11 Dec 10 j 12:37	0°♒	
asc. node	-11 Dec 14 j 18:38	2°♒34'02	
greatest brilliancy	-11 Dec 18 j 06:38	4°♒20'57	-4.7m
retrograde	-11 Dec 31 j 07:19	7°♒33'01	
evening set	-10 Jan 16 j 19:44	2°♒08'50	
min. Earth dist.	-10 Jan 20 j 04:48	0°♒04'57	0.27417 AU
	-10 Jan 20 j 07:58	30°℞♑	
inferior conj	-10 Jan 21 j 04:13	29°♑28'18	7°43'35
minimum elong	-10 Jan 20 j 19:50	29°♑41'26	7°42'23
morning rise	-10 Jan 24 j 20:17	27°♑12'43	
direct	-10 Feb 10 j 18:33	21°♑36'53	
greatest brilliancy	-10 Feb 21 j 10:18	23°♑42'39	-4.6m
	-10 Mar 05 j 08:14	0°♒	
morning max el	-10 Apr 01 j 02:05	22°♒28'06	46°06'42
desc. node	-10 Apr 05 j 08:32	26°♒39'31	
	-10 Apr 08 j 16:24	0°♓	
	-10 May 06 j 18:45	0°♈	
	-10 Jun 02 j 05:14	0°♉	
	-10 Jun 27 j 19:42	0°♊	
	-10 Jul 22 j 20:05	0°♋	
asc. node	-10 Jul 27 j 11:36	5°♋38'17	
	-10 Aug 16 j 09:05	0°♌	
	-10 Sep 09 j 13:20	0°♍	
morning set	-10 Sep 25 j 10:48	19°♍53'28	
	-10 Oct 03 j 12:00	0°♎	
	-10 Oct 27 j 08:08	0°♏	
superior conj	-10 Nov 04 j 02:27	9°♏46'38	0°27'57
minimum elong	-10 Nov 04 j 09:25	10°♏08'35	0°27'36
max. Earth dist.	-10 Nov 04 j 08:29	10°♏05'38	1.71040 AU

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

desc. node	-10 Nov 16 j 01:24	24°♏50'01	
	-10 Nov 20 j 03:56	0°♐	
	-10 Dec 14 j 00:44	0°♑	
evening rise	-10 Dec 15 j 21:53	2°♑21'39	
	-9 Jan 06 j 23:38	0°♒	
	-9 Jan 31 j 02:16	0°♓	
	-9 Feb 24 j 11:08	0°♈	
asc. node	-9 Mar 09 j 04:25	15°♈28'50	
	-9 Mar 21 j 05:36	0°♉	
	-9 Apr 15 j 14:28	0°♊	
	-9 May 11 j 22:49	0°♋	
	-9 Jun 09 j 08:02	0°♌	
evening max el	-9 Jun 14 j 21:16	5°♌24'08	45°29'45
desc. node	-9 Jun 28 j 18:03	17°♌48'44	
	-9 Jul 16 j 05:02	0°♍	
greatest brilliancy	-9 Jul 22 j 03:14	2°♍45'04	-4.5m
retrograde	-9 Aug 02 j 15:49	5°♍05'58	
	-9 Aug 19 j 01:56	30°℞♌	
evening set	-9 Aug 20 j 14:10	29°♌07'24	
inferior conj	-9 Aug 23 j 18:02	27°♌12'32	-8°-46'-42
minimum elong	-9 Aug 23 j 17:06	27°♌13'57	8°46'42
min. Earth dist.	-9 Aug 24 j 08:27	26°♌50'25	0.28034 AU
morning rise	-9 Aug 26 j 19:53	25°♌20'22	
direct	-9 Sep 13 j 23:57	19°♌09'17	
greatest brilliancy	-9 Sep 28 j 07:10	22°♌51'17	-4.6m
	-9 Oct 09 j 20:33	0°♍	
asc. node	-9 Oct 19 j 21:00	8°♍08'37	
morning max el	-9 Nov 03 j 15:25	22°♍15'45	46°49'07
	-9 Nov 11 j 01:34	0°♎	
	-9 Dec 07 j 19:36	0°♏	
	-8 Jan 02 j 03:10	0°♐	
	-8 Jan 26 j 22:22	0°♑	
desc. node	-8 Feb 08 j 10:59	15°♑14'58	
	-8 Feb 20 j 13:06	0°♒	
	-8 Mar 16 j 02:24	0°♓	
	-8 Apr 09 j 15:22	0°♈	
	-8 May 04 j 04:00	0°♉	
morning set	-8 May 07 j 15:06	4°♉14'15	
	-8 May 28 j 15:38	0°♊	
asc. node	-8 May 31 j 13:56	3°♊35'41	
max. Earth dist.	-8 Jun 10 j 20:44	16°♊13'32	1.73550 AU
superior conj	-8 Jun 12 j 23:18	18°♊48'57	0°28'47
minimum elong	-8 Jun 12 j 17:49	18°♊32'07	0°28'32
	-8 Jun 22 j 01:21	0°♋	
	-8 Jul 16 j 08:51	0°♌	
evening rise	-8 Jul 18 j 16:38	2°♌52'27	
	-8 Aug 09 j 14:48	0°♍	
	-8 Sep 02 j 20:35	0°♎	
desc. node	-8 Sep 20 j 03:45	21°♎22'17	
	-8 Sep 27 j 03:39	0°♏	
	-8 Oct 21 j 13:27	0°♐	
	-8 Nov 15 j 04:35	0°♑	
	-8 Dec 10 j 07:41	0°♒	
	-7 Jan 05 j 16:00	0°♓	
asc. node	-7 Jan 11 j 06:39	6°♓03'23	
evening max el	-7 Jan 20 j 18:01	15°♓53'08	46°34'32
	-7 Feb 04 j 17:59	0°♈	
greatest brilliancy	-7 Feb 25 j 05:48	14°♈21'36	-4.6m
retrograde	-7 Mar 11 j 19:43	18°♈09'44	
evening set	-7 Mar 28 j 14:32	12°♈40'13	
inferior conj	-7 Apr 02 j 03:09	9°♈51'25	6°23'14
minimum elong	-7 Apr 02 j 12:37	9°♈36'25	6°21'24
min. Earth dist.	-7 Apr 02 j 04:16	9°♈49'39	0.28840 AU
morning rise	-7 Apr 07 j 11:00	6°♈35'20	
direct	-7 Apr 23 j 14:11	1°♈35'21	
desc. node	-7 May 02 j 20:12	3°♈09'31	
greatest brilliancy	-7 May 05 j 23:39	4°♈19'41	-4.5m
	-7 Jun 09 j 21:28	0°♉	
morning max el	-7 Jun 11 j 09:11	1°♉24'37	45°44'44
	-7 Jul 09 j 03:54	0°♊	
	-7 Aug 04 j 19:13	0°♋	
asc. node	-7 Aug 23 j 23:32	22°♋34'21	
	-7 Aug 30 j 04:14	0°♌	
	-7 Sep 23 j 18:43	0°♍	
	-7 Oct 17 j 22:06	0°♎	
	-7 Nov 10 j 20:02	0°♏	
	-7 Dec 04 j 16:25	0°♐	
morning set	-7 Dec 09 j 21:48	6°♐34'12	
desc. node	-7 Dec 13 j 13:12	11°♐08'52	
	-7 Dec 28 j 13:25	0°♑	
superior conj	-6 Jan 20 j 18:57	29°♑06'21	-1°-14'-39
minimum elong	-6 Jan 20 j 09:01	28°♑35'18	1°14'26
	-6 Jan 21 j 12:07	0°♒	
max. Earth dist.	-6 Jan 24 j 23:29	4°♒20'29	1.71725 AU
	-6 Feb 14 j 13:23	0°♓	
evening rise	-6 Mar 01 j 21:41	19°♓02'45	
	-6 Mar 10 j 18:16	0°♈	
	-6 Apr 04 j 03:50	0°♉	
asc. node	-6 Apr 05 j 16:19	1°♉51'36	
	-6 Apr 28 j 18:59	0°♊	
	-6 May 23 j 16:54	0°♋	
	-6 Jun 18 j 00:11	0°♌	
	-6 Jul 13 j 22:50	0°♍	
desc. node	-6 Jul 26 j 05:55	13°♍48'16	
	-6 Aug 10 j 03:26	0°♎	
evening max el	-6 Aug 27 j 01:36	17°♎18'48	46°38'53
	-6 Sep 09 j 19:25	0°♏	
greatest brilliancy	-6 Oct 05 j 06:43	16°♏46'43	-4.6m
retrograde	-6 Oct 15 j 23:10	18°♏53'22	
evening set	-6 Oct 30 j 19:29	14°♏35'41	
inferior conj	-6 Nov 05 j 12:32	11°♏15'10	-2°-46'-24
minimum elong	-6 Nov 05 j 18:40	11°♏05'51	2°44'31
min. Earth dist.	-6 Nov 05 j 18:43	11°♏05'45	0.26415 AU
morning rise	-6 Nov 11 j 17:33	7°♏38'19	
asc. node	-6 Nov 16 j 08:47	5°♏29'58	
direct	-6 Nov 25 j 21:32	3°♏38'24	
greatest brilliancy	-6 Dec 08 j 06:21	6°♏29'30	-4.7m
	-5 Jan 08 j 13:46	0°♐	
morning max el	-5 Jan 15 j 08:39	6°♐40'37	46°48'33
	-5 Feb 06 j 07:40	0°♑	
	-5 Mar 04 j 18:11	0°♒	
desc. node	-5 Mar 07 j 22:48	3°♒42'02	
	-5 Mar 30 j 09:01	0°♓	
	-5 Apr 24 j 14:28	0°♈	
	-5 May 19 j 14:04	0°♉	
	-5 Jun 13 j 08:30	0°♊	
asc. node	-5 Jun 29 j 01:52	19°♊11'35	
	-5 Jul 07 j 21:20	0°♋	
morning set	-5 Jul 14 j 23:59	8°♋45'02	
	-5 Aug 01 j 04:31	0°♌	
max. Earth dist.	-5 Aug 16 j 19:38	19°♌25'45	1.72288 AU
superior conj	-5 Aug 20 j 16:07	24°♌13'58	1°24'13
minimum elong	-5 Aug 20 j 14:27	24°♌08'46	1°24'13
	-5 Aug 25 j 07:04	0°♍	
	-5 Sep 18 j 06:55	0°♎	
evening rise	-5 Sep 27 j 17:49	11°♎50'12	
	-5 Oct 12 j 05:57	0°♏	
desc. node	-5 Oct 18 j 15:37	8°♏01'02	
	-5 Nov 05 j 05:28	0°♐	
	-5 Nov 29 j 06:37	0°♑	
	-5 Dec 23 j 11:22	0°♒	

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

	-4 Jan 16 j 23:49	0°♓	
asc. node	-4 Feb 08 j 18:29	27°♓12'55	
	-4 Feb 11 j 03:26	0°♈	
	-4 Mar 08 j 12:48	0°♉	
evening max el	-4 Apr 01 j 12:47	24°♉54'49	45°28'06
	-4 Apr 06 j 21:59	0°♊	
greatest brilliancy	-4 May 05 j 19:56	21°♊13'36	-4.5m
retrograde	-4 May 20 j 03:40	24°♊48'42	
desc. node	-4 May 30 j 08:12	22°♊46'03	
evening set	-4 Jun 04 j 05:19	20°♊27'40	
inferior conj	-4 Jun 10 j 15:30	16°♊38'27	-2°-36'-25
minimum elong	-4 Jun 10 j 09:56	16°♊47'06	2°34'52
min. Earth dist.	-4 Jun 10 j 19:02	16°♊32'57	0.28941 AU
morning rise	-4 Jun 16 j 14:14	13°♊03'32	
direct	-4 Jul 02 j 07:14	8°♊20'22	
greatest brilliancy	-4 Jul 16 j 12:59	11°♊50'50	-4.5m
	-4 Aug 11 j 03:19	0°♋	
morning max el	-4 Aug 20 j 13:36	8°♋48'05	46°07'37
	-4 Sep 09 j 23:45	0°♌	
asc. node	-4 Sep 20 j 11:18	11°♌39'20	
	-4 Oct 06 j 08:17	0°♍	
	-4 Oct 31 j 08:08	0°♎	
	-4 Nov 24 j 17:07	0°♏	
	-4 Dec 18 j 20:12	0°♐	
desc. node	-3 Jan 10 j 01:12	27°♐40'37	
	-3 Jan 11 j 21:58	0°♑	
	-3 Feb 05 j 00:31	0°♒	
morning set	-3 Feb 24 j 09:33	24°♒02'58	
	-3 Mar 01 j 04:47	0°♓	
	-3 Mar 25 j 11:12	0°♈	
superior conj	-3 Apr 03 j 19:00	11°♈29'56	-1°-2'-8
minimum elong	-3 Apr 04 j 04:35	11°♈59'26	1°01'50
max. Earth dist.	-3 Apr 05 j 19:27	13°♈59'08	1.73247 AU
	-3 Apr 18 j 19:49	0°♉	
asc. node	-3 May 03 j 04:11	17°♉37'42	
evening rise	-3 May 10 j 22:28	27°♉09'00	
	-3 May 13 j 06:15	0°♊	
	-3 Jun 06 j 18:09	0°♋	
	-3 Jul 01 j 07:43	0°♌	
	-3 Jul 26 j 00:10	0°♍	
	-3 Aug 19 j 21:43	0°♎	
desc. node	-3 Aug 22 j 17:50	3°♎23'50	
	-3 Sep 14 j 03:49	0°♏	
	-3 Oct 10 j 01:55	0°♐	
	-3 Nov 06 j 15:26	0°♑	
evening max el	-3 Nov 07 j 20:08	1°♑13'20	47°24'44
	-3 Dec 12 j 01:50	0°♒	
asc. node	-3 Dec 13 j 20:51	0°♒57'54	
greatest brilliancy	-3 Dec 15 j 21:31	1°♒57'20	-4.7m
retrograde	-3 Dec 28 j 22:09	5°♒09'07	
	-2 Jan 13 j 23:32	30°℞♑	
evening set	-2 Jan 14 j 06:02	29°♑50'31	
min. Earth dist.	-2 Jan 17 j 17:55	27°♑42'47	0.27349 AU
inferior conj	-2 Jan 18 j 18:01	27°♑05'10	7°33'04
minimum elong	-2 Jan 18 j 09:09	27°♑19'00	7°31'41
morning rise	-2 Jan 22 j 12:42	24°♑46'09	
direct	-2 Feb 08 j 08:03	19°♑14'50	
greatest brilliancy	-2 Feb 18 j 22:54	21°♑20'31	-4.6m
	-2 Mar 06 j 07:10	0°♒	
morning max el	-2 Mar 29 j 17:04	20°♒12'38	46°08'04
desc. node	-2 Apr 04 j 10:34	25°♒51'52	
	-2 Apr 08 j 12:22	0°♓	
	-2 May 06 j 09:45	0°♈	
	-2 Jun 01 j 18:11	0°♉	
	-2 Jun 27 j 07:35	0°♊	
	-2 Jul 22 j 07:23	0°♋	
asc. node	-2 Jul 26 j 13:42	5°♋10'32	
	-2 Aug 15 j 20:05	0°♌	
	-2 Sep 09 j 00:13	0°♍	
morning set	-2 Sep 23 j 01:02	17°♍33'38	
	-2 Oct 02 j 22:52	0°♎	
	-2 Oct 26 j 19:02	0°♏	
superior conj	-2 Nov 01 j 13:06	7°♏14'36	0°31'36
minimum elong	-2 Nov 01 j 20:48	7°♏38'52	0°31'15
max. Earth dist.	-2 Nov 01 j 16:38	7°♏25'45	1.71055 AU
desc. node	-2 Nov 15 j 03:33	24°♏22'15	
	-2 Nov 19 j 14:54	0°♐	
evening rise	-2 Dec 13 j 07:27	29°♐46'27	
	-2 Dec 13 j 11:47	0°♑	
	-1 Jan 06 j 10:45	0°♒	
	-1 Jan 30 j 13:29	0°♓	
	-1 Feb 23 j 22:35	0°♈	
asc. node	-1 Mar 08 j 06:26	14°♈59'33	
	-1 Mar 20 j 17:33	0°♉	
	-1 Apr 15 j 03:26	0°♊	
	-1 May 11 j 14:00	0°♋	
	-1 Jun 09 j 05:09	0°♌	
evening max el	-1 Jun 12 j 12:41	3°♌12'00	45°28'18
desc. node	-1 Jun 27 j 20:13	16°♌47'06	
	-1 Jul 18 j 11:56	0°♍	
greatest brilliancy	-1 Jul 19 j 15:33	0°♍27'55	-4.5m
retrograde	-1 Jul 31 j 05:43	2°♍49'53	
	-1 Aug 12 j 07:10	30°℞♌	
evening set	-1 Aug 18 j 02:50	26°♌53'45	
inferior conj	-1 Aug 21 j 08:27	24°♌55'57	-8°-44'-47
minimum elong	-1 Aug 21 j 06:40	24°♌58'42	8°44'46
min. Earth dist.	-1 Aug 21 j 22:01	24°♌35'06	0.28085 AU
morning rise	-1 Aug 24 j 10:21	23°♌03'28	
direct	-1 Sep 11 j 15:16	16°♌52'12	
greatest brilliancy	-1 Sep 25 j 21:23	20°♌32'26	-4.6m
	-1 Oct 10 j 12:21	0°♍	
asc. node	-1 Oct 18 j 23:03	7°♍07'27	
morning max el	-1 Nov 01 j 05:20	19°♍53'15	46°48'02
	-1 Nov 10 j 20:53	0°♎	
	-1 Dec 07 j 10:43	0°♏	
	00 Jan 01 j 16:32	0°♐	
	00 Jan 26 j 10:46	0°♑	
desc. node	00 Feb 07 j 12:57	14°♑44'16	
	00 Feb 20 j 00:52	0°♒	
	00 Mar 15 j 13:43	0°♓	
	00 Apr 09 j 02:18	0°♈	
	00 May 03 j 14:42	0°♉	
morning set	00 May 05 j 09:09	2°♉09'55	
	00 May 28 j 02:13	0°♊	
asc. node	00 May 30 j 16:06	3°♊09'53	
max. Earth dist.	00 Jun 08 j 17:21	14°♊16'53	1.73569 AU
superior conj	00 Jun 10 j 17:52	16°♊46'01	0°25'51
minimum elong	00 Jun 10 j 12:54	16°♊30'44	0°25'37
	00 Jun 21 j 11:57	0°♋	
	00 Jul 15 j 19:34	0°♌	
evening rise	00 Jul 16 j 11:06	0°♌48'02	
	00 Aug 09 j 01:42	0°♍	
	00 Sep 02 j 07:46	0°♎	
desc. node	00 Sep 19 j 05:47	20°♎53'10	
	00 Sep 26 j 15:15	0°♏	
	00 Oct 21 j 01:36	0°♐	
	00 Nov 14 j 17:33	0°♑	
	00 Dec 09 j 22:05	0°♒	
	01 Jan 05 j 09:42	0°♓	
asc. node	01 Jan 10 j 08:39	5°♓18'33	
evening max el	01 Jan 18 j 08:49	13°♓35'30	46°36'59

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

	01 Feb 05 j 00:52	0°♈	
greatest brilliancy	01 Feb 23 j 00:30	12°♈13'01	-4.6m
retrograde	01 Mar 09 j 11:48	15°♈58'35	
evening set	01 Mar 26 j 09:34	10°♈25'24	
inferior conj	01 Mar 30 j 19:25	7°♈40'30	6°36'23
minimum elong	01 Mar 31 j 04:46	7°♈25'39	6°34'40
min. Earth dist.	01 Mar 30 j 20:07	7°♈39'23	0.28814 AU
morning rise	01 Apr 05 j 00:16	4°♈28'23	
	01 Apr 15 j 19:40	30°℞♓	
direct	01 Apr 21 j 05:49	29°♓25'02	
	01 Apr 26 j 19:26	0°♈	
desc. node	01 May 01 j 22:19	1°♈28'46	
greatest brilliancy	01 May 03 j 13:00	2°♈06'36	-4.5m
morning max el	01 Jun 08 j 23:51	29°♈12'02	45°44'43
	01 Jun 09 j 19:55	0°♉	
	01 Jul 08 j 19:27	0°♊	
	01 Aug 04 j 08:24	0°♋	
asc. node	01 Aug 23 j 01:29	22°♋03'31	
	01 Aug 29 j 16:19	0°♌	
	01 Sep 23 j 06:14	0°♍	
	01 Oct 17 j 09:20	0°♎	
	01 Nov 10 j 07:07	0°♏	
	01 Dec 04 j 03:24	0°♐	
morning set	01 Dec 07 j 07:48	4°♐00'16	
desc. node	01 Dec 12 j 15:23	10°♐41'21	
	01 Dec 28 j 00:20	0°♑	
superior conj	02 Jan 18 j 05:59	26°♑36'53	-1°-12'-43
minimum elong	02 Jan 17 j 19:31	26°♑04'09	1°12'27
	02 Jan 20 j 22:57	0°♒	
max. Earth dist.	02 Jan 22 j 09:39	1°♒48'27	1.71674 AU
	02 Feb 14 j 00:11	0°♓	
evening rise	02 Feb 27 j 11:02	16°♓41'51	
	02 Mar 10 j 05:07	0°♈	
	02 Apr 03 j 14:49	0°♉	
asc. node	02 Apr 04 j 18:23	1°♉24'20	
	02 Apr 28 j 06:14	0°♊	
	02 May 23 j 04:41	0°♋	
	02 Jun 17 j 12:56	0°♌	
	02 Jul 13 j 13:27	0°♍	
desc. node	02 Jul 25 j 07:54	13°♍09'25	
	02 Aug 09 j 22:08	0°♎	
evening max el	02 Aug 24 j 13:20	14°♎52'33	46°36'11
	02 Sep 10 j 05:01	0°♏	
greatest brilliancy	02 Oct 02 j 20:34	14°♏20'11	-4.6m
retrograde	02 Oct 13 j 10:43	16°♏25'00	
evening set	02 Oct 28 j 09:49	12°♏03'58	
inferior conj	02 Nov 03 j 00:39	8°♏46'55	-3°-9'-33
minimum elong	02 Nov 03 j 07:32	8°♏36'27	3°07'28
min. Earth dist.	02 Nov 03 j 08:38	8°♏34'47	0.26441 AU
morning rise	02 Nov 09 j 04:51	5°♏11'08	
asc. node	02 Nov 15 j 10:58	2°♏27'22	
direct	02 Nov 23 j 09:27	1°♏09'17	
greatest brilliancy	02 Dec 05 j 22:10	4°♏04'27	-4.7m
	03 Jan 08 j 15:14	0°♐	
morning max el	03 Jan 12 j 21:43	4°♐14'41	46°49'42
	03 Feb 06 j 00:43	0°♑	
	03 Mar 04 j 08:18	0°♒	
desc. node	03 Mar 07 j 00:52	3°♒07'39	
	03 Mar 29 j 21:40	0°♓	
	03 Apr 24 j 02:17	0°♈	
	03 May 19 j 01:22	0°♉	
	03 Jun 12 j 19:28	0°♊	
asc. node	03 Jun 28 j 03:55	18°♊44'45	
	03 Jul 07 j 08:06	0°♋	
morning set	03 Jul 12 j 17:36	6°♋38'18	
	03 Jul 31 j 15:13	0°♌	
max. Earth dist.	03 Aug 14 j 14:09	17°♌20'30	1.72345 AU
superior conj	03 Aug 18 j 08:37	22°♌02'16	1°23'50
minimum elong	03 Aug 18 j 06:15	21°♌54'52	1°23'50
	03 Aug 24 j 17:51	0°♍	
	03 Sep 17 j 17:51	0°♎	
evening rise	03 Sep 25 j 06:58	9°♎26'46	
	03 Oct 11 j 17:04	0°♏	
desc. node	03 Oct 17 j 17:46	7°♏32'45	
	03 Nov 04 j 16:48	0°♐	
	03 Nov 28 j 18:10	0°♑	
	03 Dec 22 j 23:15	0°♒	
	04 Jan 16 j 12:16	0°♓	
asc. node	04 Feb 07 j 20:30	26°♓39'29	
	04 Feb 10 j 17:00	0°♈	
	04 Mar 08 j 04:58	0°♉	
evening max el	04 Mar 30 j 04:35	22°♉44'12	45°29'32
	04 Apr 06 j 22:59	0°♊	
greatest brilliancy	04 May 03 j 09:53	19°♊02'34	-4.5m
retrograde	04 May 17 j 20:35	22°♊40'47	
desc. node	04 May 29 j 10:21	20°♊02'30	
evening set	04 Jun 01 j 21:14	18°♊19'53	
inferior conj	04 Jun 08 j 07:52	14°♊29'53	-2°-17'-28
minimum elong	04 Jun 08 j 02:56	14°♊37'33	2°16'04
min. Earth dist.	04 Jun 08 j 11:16	14°♊24'36	0.28953 AU
morning rise	04 Jun 14 j 08:25	10°♊52'43	
direct	04 Jun 29 j 23:51	6°♊11'32	
greatest brilliancy	04 Jul 14 j 05:33	9°♊42'23	-4.5m
	04 Aug 11 j 05:20	0°♋	
morning max el	04 Aug 18 j 06:15	6°♋38'17	46°06'15
	04 Sep 09 j 16:23	0°♌	
asc. node	04 Sep 19 j 13:28	11°♌02'08	
	04 Oct 05 j 22:11	0°♍	
	04 Oct 30 j 20:51	0°♎	
	04 Nov 24 j 05:13	0°♏	
	04 Dec 18 j 07:54	0°♐	
desc. node	05 Jan 09 j 03:07	27°♐10'59	
	05 Jan 11 j 09:23	0°♑	
	05 Feb 04 j 11:42	0°♒	
morning set	05 Feb 21 j 22:54	21°♒41'18	
	05 Feb 28 j 15:47	0°♓	
	05 Mar 24 j 22:03	0°♈	
superior conj	05 Apr 01 j 11:20	9°♈19'04	-1°-4'-23
minimum elong	05 Apr 01 j 20:55	9°♈48'34	1°04'05
max. Earth dist.	05 Apr 03 j 15:18	11°♈59'12	1.73209 AU
	05 Apr 18 j 06:36	0°♉	
asc. node	05 May 02 j 06:20	17°♉11'10	
evening rise	05 May 08 j 16:55	25°♉05'17	
	05 May 12 j 17:05	0°♊	
	05 Jun 06 j 05:10	0°♋	
	05 Jun 30 j 19:05	0°♌	
	05 Jul 25 j 12:06	0°♍	
	05 Aug 19 j 10:29	0°♎	
desc. node	05 Aug 21 j 19:51	2°♎51'25	
	05 Sep 13 j 17:55	0°♏	
	05 Oct 09 j 18:28	0°♐	
evening max el	05 Nov 05 j 11:40	28°♐52'46	47°24'41
	05 Nov 06 j 14:12	0°♑	
asc. node	05 Dec 12 j 22:53	29°♑17'13	
greatest brilliancy	05 Dec 13 j 12:52	29°♑33'32	-4.7m
	05 Dec 14 j 12:43	0°♒	
retrograde	05 Dec 26 j 12:53	2°♒43'54	
	06 Jan 06 j 23:42	30°℞♑	
evening set	06 Jan 11 j 16:12	27°♑31'10	
min. Earth dist.	06 Jan 15 j 06:57	25°♑19'17	0.27280 AU
inferior conj	06 Jan 16 j 07:38	24°♑40'48	7°21'37

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

minimum elong	06 Jan 15 j 22:24	24°♑55'13	7°20'03	
morning rise	06 Jan 20 j 05:05	22°♑18'02		
direct	06 Feb 05 j 21:39	16°♑51'46		
greatest brilliancy	06 Feb 16 j 10:40	18°♑56'18	-4.6m	
	06 Mar 07 j 00:32	0°♒		
morning max el	06 Mar 27 j 07:43	17°♒55'38	46°09'33	
desc. node	06 Apr 03 j 12:39	25°♒04'36		
	06 Apr 08 j 07:58	0°♓		
	06 May 06 j 00:44	0°♈		
	06 Jun 01 j 07:13	0°♉		
	06 Jun 26 j 19:36	0°♊		
	06 Jul 21 j 18:53	0°♋		
asc. node	06 Jul 25 j 15:39	4°♋41'43		
	06 Aug 15 j 07:19	0°♌		
	06 Sep 08 j 11:20	0°♍		
morning set	06 Sep 20 j 15:14	15°♍12'56		
	06 Oct 02 j 09:58	0°♎		
	06 Oct 26 j 06:10	0°♏		
superior conj	06 Oct 29 j 23:52	4°♏42'21	0°35'11	
minimum elong	06 Oct 30 j 08:15	5°♏08'42	0°34'48	
max. Earth dist.	06 Oct 29 j 22:48	4°♏38'58	1.71069 AU	
desc. node	06 Nov 14 j 05:38	23°♏53'37		
	06 Nov 19 j 02:06	0°♐		
evening rise	06 Dec 10 j 17:00	27°♐10'24		
	06 Dec 12 j 23:03	0°♑		
	07 Jan 05 j 22:07	0°♒		
	07 Jan 30 j 01:00	0°♓		
	07 Feb 23 j 10:21	0°♈		
asc. node	07 Mar 07 j 08:33	14°♈29'40		
	07 Mar 20 j 05:50	0°♉		
	07 Apr 14 j 16:48	0°♊		
	07 May 11 j 05:41	0°♋		
	07 Jun 09 j 03:24	0°♌		
evening max el	07 Jun 10 j 03:19	0°♌57'15	45°26'51	
desc. node	07 Jun 26 j 22:08	15°♌42'36		
greatest brilliancy	07 Jul 17 j 04:12	28°♌10'15	-4.5m	
	07 Jul 23 j 08:02	0°♍		
retrograde	07 Jul 28 j 19:05	0°♍33'03		
	07 Aug 03 j 02:41	30°℞♌		
evening set	07 Aug 15 j 15:07	24°♌39'48		
inferior conj	07 Aug 18 j 22:55	22°♌38'37	-8°-42'-4	
minimum elong	07 Aug 18 j 20:16	22°♌42'42	8°41'59	
min. Earth dist.	07 Aug 19 j 12:00	22°♌18'28	0.28138 AU	
morning rise	07 Aug 22 j 01:13	20°♌45'12		
direct	07 Sep 09 j 06:07	14°♌34'06		
greatest brilliancy	07 Sep 23 j 12:14	18°♌13'16	-4.6m	
	07 Oct 11 j 00:43	0°♍		
asc. node	07 Oct 18 j 01:11	6°♍06'39		
morning max el	07 Oct 29 j 18:36	17°♍27'53	46°46'58	
	07 Nov 10 j 16:06	0°♎		
	07 Dec 07 j 02:01	0°♏		
	08 Jan 01 j 06:09	0°♐		
	08 Jan 25 j 23:27	0°♑		
desc. node	08 Feb 06 j 15:01	14°♑12'56		
	08 Feb 19 j 12:56	0°♒		
	08 Mar 15 j 01:19	0°♓		
	08 Apr 08 j 13:35	0°♈		
morning set	08 May 03 j 03:09	0°♉04'15		
	08 May 03 j 01:46	0°♉		
	08 May 27 j 13:09	0°♊		
asc. node	08 May 29 j 18:07	2°♊42'31		
max. Earth dist.	08 Jun 06 j 13:24	12°♊17'31	1.73584 AU	
superior conj	08 Jun 08 j 12:33	14°♊42'22	0°22'53	
minimum elong	08 Jun 08 j 08:06	14°♊28'42	0°22'40	
	08 Jun 20 j 22:53	0°♋		
evening rise	08 Jul 14 j 05:45	28°♋43'18		
	08 Jul 15 j 06:35	0°♌		
	08 Aug 08 j 12:57	0°♍		
	08 Sep 01 j 19:22	0°♎		
desc. node	08 Sep 18 j 07:55	20°♎23'04		
	08 Sep 26 j 03:18	0°♏		
	08 Oct 20 j 14:15	0°♐		
	08 Nov 14 j 07:03	0°♑		
	08 Dec 09 j 13:06	0°♒		
	09 Jan 05 j 04:17	0°♓		
asc. node	09 Jan 09 j 10:39	4°♓31'57		
evening max el	09 Jan 15 j 22:43	11°♓14'13	46°39'35	
	09 Feb 05 j 11:01	0°♈		
greatest brilliancy	09 Feb 20 j 18:04	10°♈01'31	-4.6m	
retrograde	09 Mar 07 j 03:42	13°♈46'07		
evening set	09 Mar 24 j 04:30	8°♈08'58		
inferior conj	09 Mar 28 j 11:38	5°♈28'10	6°49'02	
minimum elong	09 Mar 28 j 20:49	5°♈13'34	6°47'25	
min. Earth dist.	09 Mar 28 j 12:04	5°♈27'30	0.28790 AU	
morning rise	09 Apr 02 j 13:23	2°♈20'16		
	09 Apr 07 j 00:15	30°℞♓		
direct	09 Apr 18 j 20:56	27°♓13'03		
greatest brilliancy	09 May 01 j 03:16	29°♓53'10	-4.5m	
desc. node	09 May 01 j 00:27	29°♓50'17		
	09 May 01 j 09:50	0°♈		
morning max el	09 Jun 06 j 14:44	26°♈58'44	45°44'55	
	09 Jun 09 j 17:58	0°♉		
	09 Jul 08 j 11:09	0°♊		
	09 Aug 03 j 21:50	0°♋		
asc. node	09 Aug 22 j 03:40	21°♋32'31		
	09 Aug 29 j 04:40	0°♌		
	09 Sep 22 j 18:04	0°♍		
	09 Oct 16 j 20:54	0°♎		
	09 Nov 09 j 18:35	0°♏		
	09 Dec 03 j 14:48	0°♐		
morning set	09 Dec 04 j 17:26	1°♐23'48		
desc. node	09 Dec 11 j 17:21	10°♐11'50		
	09 Dec 27 j 11:39	0°♑		
superior conj	10 Jan 15 j 16:28	24°♑04'20	-1°-10'-35	
minimum elong	10 Jan 15 j 05:31	23°♑30'03	1°10'18	
max. Earth dist.	10 Jan 19 j 16:10	29°♑03'38	1.71622 AU	
	10 Jan 20 j 10:11	0°♒		
	10 Feb 13 j 11:23	0°♓		
evening rise	10 Feb 24 j 23:56	14°♓18'26		
	10 Mar 09 j 16:20	0°♈		
	10 Apr 03 j 02:10	0°♉		
asc. node	10 Apr 03 j 20:31	0°♉56'07		
	10 Apr 27 j 17:53	0°♊		
	10 May 22 j 16:53	0°♋		
	10 Jun 17 j 02:10	0°♌		
	10 Jul 13 j 04:35	0°♍		
desc. node	10 Jul 24 j 10:00	12°♍29'39		
	10 Aug 09 j 17:39	0°♎		
evening max el	10 Aug 22 j 01:36	12°♎27'10	46°33'34	
	10 Sep 10 j 18:15	0°♏		
greatest brilliancy	10 Sep 30 j 09:08	11°♏51'43	-4.6m	
retrograde	10 Oct 10 j 22:40	13°♏56'04		
evening set	10 Oct 26 j 00:16	9°♏31'11		
inferior conj	10 Oct 31 j 12:44	6°♏17'44	-3°-32'-18	
minimum elong	10 Oct 31 j 20:20	6°♏06'13	3°30'03	
min. Earth dist.	10 Oct 31 j 22:09	6°♏03'27	0.26476 AU	
morning rise	10 Nov 06 j 15:56	2°♏43'35		
	10 Nov 12 j 20:40	30°℞♎		
asc. node	10 Nov 14 j 12:58	29°♎29'54		
direct	10 Nov 20 j 21:58	28°♎39'13		
	10 Nov 29 j 06:19	0°♏		

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

greatest brilliancy	10 Dec 03 j 13:47	1°♏38'15	-4.7m	
	11 Jan 08 j 15:58	0°♐		
morning max el	11 Jan 10 j 11:52	1°♐50'10	46°50'37	
	11 Feb 05 j 17:53	0°♑		
	11 Mar 03 j 22:41	0°♒		
desc. node	11 Mar 06 j 03:02	2°♒32'32		
	11 Mar 29 j 10:37	0°♓		
	11 Apr 23 j 14:23	0°♈		
	11 May 18 j 12:56	0°♉		
	11 Jun 12 j 06:41	0°♊		
asc. node	11 Jun 27 j 05:54	18°♊16'53		
	11 Jul 06 j 19:08	0°♋		
morning set	11 Jul 10 j 11:17	4°♋31'03		
	11 Jul 31 j 02:12	0°♌		
max. Earth dist.	11 Aug 12 j 07:53	15°♌12'02	1.72396 AU	
superior conj	11 Aug 16 j 01:22	19°♌50'36	1°23'21	
minimum elong	11 Aug 15 j 22:18	19°♌41'03	1°23'19	
	11 Aug 24 j 04:52	0°♍		
	11 Sep 17 j 04:59	0°♎		
evening rise	11 Sep 22 j 20:30	7°♎04'00		
	11 Oct 11 j 04:22	0°♏		
desc. node	11 Oct 16 j 19:51	7°♏03'44		
	11 Nov 04 j 04:18	0°♐		
	11 Nov 28 j 05:56	0°♑		
	11 Dec 22 j 11:24	0°♒		
	12 Jan 16 j 01:02	0°♓		
asc. node	12 Feb 06 j 22:38	26°♓05'20		
	12 Feb 10 j 06:59	0°♈		
	12 Mar 07 j 21:47	0°♉		
evening max el	12 Mar 27 j 21:02	20°♉34'18	45°31'09	
	12 Apr 07 j 01:46	0°♊		
greatest brilliancy	12 May 01 j 00:43	16°♊51'50	-4.5m	
retrograde	12 May 15 j 13:23	20°♊31'45		
desc. node	12 May 28 j 12:17	17°♊14'21		
evening set	12 May 30 j 13:15	16°♊11'05		
inferior conj	12 Jun 06 j 00:08	12°♊20'20	-1°-58'-15	
minimum elong	12 Jun 05 j 19:52	12°♊26'59	1°57'02	
min. Earth dist.	12 Jun 06 j 03:17	12°♊15'26	0.28962 AU	
morning rise	12 Jun 12 j 02:20	8°♊40'59		
direct	12 Jun 27 j 16:41	4°♊01'53		
greatest brilliancy	12 Jul 11 j 20:51	7°♊31'38	-4.5m	
	12 Aug 11 j 06:19	0°♋		
morning max el	12 Aug 15 j 22:47	4°♋27'47	46°04'55	
	12 Sep 09 j 08:54	0°♌		
asc. node	12 Sep 18 j 15:30	10°♌24'30		
	12 Oct 05 j 12:04	0°♍		
	12 Oct 30 j 09:34	0°♎		
	12 Nov 23 j 17:17	0°♏		
	12 Dec 17 j 19:35	0°♐		
desc. node	13 Jan 08 j 05:14	26°♐41'51		
	13 Jan 10 j 20:48	0°♑		
	13 Feb 03 j 22:56	0°♒		
morning set	13 Feb 19 j 11:52	19°♒18'12		
	13 Feb 28 j 02:51	0°♓		
	13 Mar 24 j 09:00	0°♈		
superior conj	13 Mar 30 j 03:10	7°♈06'12	-1°-6'-33	
minimum elong	13 Mar 30 j 12:40	7°♈35'29	1°06'16	
max. Earth dist.	13 Apr 01 j 11:38	10°♈00'16	1.73169 AU	
	13 Apr 17 j 17:28	0°♉		
asc. node	13 May 01 j 08:18	16°♉43'44		
evening rise	13 May 06 j 10:53	22°♉59'47		
	13 May 12 j 04:00	0°♊		
	13 Jun 05 j 16:16	0°♋		
	13 Jun 30 j 06:34	0°♌		
	13 Jul 25 j 00:09	0°♍		
	13 Aug 18 j 23:23	0°♎		
desc. node	13 Aug 20 j 22:00	2°♎19'03		
	13 Sep 13 j 08:10	0°♏		
	13 Oct 09 j 11:17	0°♐		
evening max el	13 Nov 03 j 03:19	26°♐32'50	47°24'39	
	13 Nov 06 j 13:46	0°♑		
greatest brilliancy	13 Dec 11 j 05:05	27°♑11'33	-4.7m	
asc. node	13 Dec 12 j 00:50	27°♑33'27		
	13 Dec 20 j 03:39	0°♒		
retrograde	13 Dec 24 j 03:32	0°♒19'18		
	13 Dec 28 j 01:27	30°℞♑		
evening set	14 Jan 09 j 02:36	25°♑12'43		
min. Earth dist.	14 Jan 12 j 20:26	22°♑56'16	0.27211 AU	
inferior conj	14 Jan 13 j 21:23	22°♑17'20	7°09'21	
minimum elong	14 Jan 13 j 11:50	22°♑32'14	7°07'38	
morning rise	14 Jan 17 j 21:38	19°♑50'32		
direct	14 Feb 03 j 11:16	14°♑29'43		
greatest brilliancy	14 Feb 13 j 22:41	16°♑32'53	-4.6m	
	14 Mar 07 j 13:14	0°♒		
morning max el	14 Mar 24 j 21:43	15°♒37'15	46°10'47	
desc. node	14 Apr 02 j 14:45	24°♒18'26		
	14 Apr 08 j 02:54	0°♓		
	14 May 05 j 15:27	0°♈		
	14 May 31 j 20:06	0°♉		
	14 Jun 26 j 07:31	0°♊		
	14 Jul 21 j 06:15	0°♋		
asc. node	14 Jul 24 j 17:50	4°♋13'57		
	14 Aug 14 j 18:26	0°♌		
	14 Sep 07 j 22:21	0°♍		
morning set	14 Sep 18 j 05:23	12°♍52'31		
	14 Oct 01 j 20:57	0°♎		
	14 Oct 25 j 17:11	0°♏		
superior conj	14 Oct 27 j 10:55	2°♏11'19	0°38'41	
minimum elong	14 Oct 27 j 19:52	2°♏39'31	0°38'16	
max. Earth dist.	14 Oct 27 j 01:35	1°♏41'58	1.71083 AU	
desc. node	14 Nov 13 j 07:37	23°♏25'05		
	14 Nov 18 j 13:09	0°♐		
evening rise	14 Dec 08 j 02:43	24°♐35'25		
	14 Dec 12 j 10:08	0°♑		
	15 Jan 05 j 09:15	0°♒		
	15 Jan 29 j 12:14	0°♓		
	15 Feb 22 j 21:51	0°♈		
asc. node	15 Mar 06 j 10:37	14°♈00'26		
	15 Mar 19 j 17:55	0°♉		
	15 Apr 14 j 06:02	0°♊		
	15 May 10 j 21:25	0°♋		
evening max el	15 Jun 07 j 17:19	28°♋41'36	45°25'30	
	15 Jun 09 j 02:21	0°♌		
desc. node	15 Jun 26 j 00:17	14°♌37'33		
greatest brilliancy	15 Jul 14 j 16:35	25°♌53'08	-4.5m	
retrograde	15 Jul 26 j 08:31	28°♌17'32		
evening set	15 Aug 13 j 03:11	22°♌27'25		
inferior conj	15 Aug 16 j 13:31	20°♌22'31	-8°-38'-27	
minimum elong	15 Aug 16 j 10:02	20°♌27'52	8°38'17	
min. Earth dist.	15 Aug 17 j 02:22	20°♌02'42	0.28191 AU	
morning rise	15 Aug 19 j 16:41	18°♌27'38		
direct	15 Sep 06 j 20:46	12°♌17'02		
greatest brilliancy	15 Sep 21 j 04:07	15°♌56'32	-4.6m	
	15 Oct 11 j 09:32	0°♍		
asc. node	15 Oct 17 j 03:13	5°♍07'54		
morning max el	15 Oct 27 j 07:53	15°♍03'26	46°45'54	
	15 Nov 10 j 10:34	0°♎		
	15 Dec 06 j 16:53	0°♏		
	15 Dec 31 j 19:24	0°♐		
	16 Jan 25 j 11:45	0°♑		
desc. node	16 Feb 05 j 17:11	13°♑43'03		

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

	16 Feb 19 j 00:36	0°♒	
	16 Mar 14 j 12:31	0°♓	
	16 Apr 08 j 00:28	0°♈	
morning set	16 Apr 30 j 21:16	28°♈00'01	
	16 May 02 j 12:27	0°♉	
	16 May 26 j 23:46	0°♊	
asc. node	16 May 28 j 20:10	2°♊16'18	
max. Earth dist.	16 Jun 04 j 09:28	10°♊19'13	1.73603 AU
superior conj	16 Jun 06 j 07:18	12°♊39'59	0°19'53
minimum elong	16 Jun 06 j 03:23	12°♊27'59	0°19'42
	16 Jun 20 j 09:30	0°♋	
evening rise	16 Jul 12 j 00:28	26°♋39'50	
	16 Jul 14 j 17:19	0°♌	
	16 Aug 07 j 23:54	0°♍	
	16 Sep 01 j 06:39	0°♎	
desc. node	16 Sep 17 j 09:57	19°♎53'35	
	16 Sep 25 j 15:03	0°♏	
	16 Oct 20 j 02:38	0°♐	
	16 Nov 13 j 20:19	0°♑	
	16 Dec 09 j 03:57	0°♒	
	17 Jan 04 j 22:55	0°♓	
asc. node	17 Jan 08 j 12:53	3°♓46'28	
evening max el	17 Jan 13 j 12:48	8°♓54'31	46°42'21
	17 Feb 05 j 23:50	0°♈	
greatest brilliancy	17 Feb 18 j 10:50	7°♈50'29	-4.6m
retrograde	17 Mar 04 j 20:06	11°♈35'42	
evening set	17 Mar 21 j 23:34	5°♈54'22	
inferior conj	17 Mar 26 j 04:03	3°♈17'46	7°00'55
minimum elong	17 Mar 26 j 13:02	3°♈03'29	6°59'25
min. Earth dist.	17 Mar 26 j 04:02	3°♈17'47	0.28762 AU
morning rise	17 Mar 31 j 02:42	0°♈14'23	
	17 Mar 31 j 12:37	30°℞♓	
direct	17 Apr 16 j 12:09	25°♓02'57	
greatest brilliancy	17 Apr 28 j 18:04	27°♓42'21	-4.5m
desc. node	17 Apr 30 j 02:25	28°♓17'01	
	17 May 03 j 14:21	0°♈	
morning max el	17 Jun 04 j 06:36	24°♈49'20	45°45'02
	17 Jun 09 j 14:36	0°♉	
	17 Jul 08 j 02:09	0°♊	
	17 Aug 03 j 10:45	0°♋	
asc. node	17 Aug 21 j 05:44	21°♋02'22	
	17 Aug 28 j 16:36	0°♌	
	17 Sep 22 j 05:30	0°♍	
	17 Oct 16 j 08:06	0°♎	
	17 Nov 09 j 05:39	0°♏	
morning set	17 Dec 02 j 03:08	28°♏48'39	
	17 Dec 03 j 01:49	0°♐	
desc. node	17 Dec 10 j 19:26	9°♐43'49	
	17 Dec 26 j 22:36	0°♑	
superior conj	18 Jan 13 j 02:48	21°♑32'20	-1°-8'-18
minimum elong	18 Jan 12 j 15:28	20°♑56'50	1°07'59
max. Earth dist.	18 Jan 16 j 21:12	26°♑15'14	1.71573 AU
	18 Jan 19 j 21:04	0°♒	
	18 Feb 12 j 22:12	0°♓	
evening rise	18 Feb 22 j 12:53	11°♓56'14	
	18 Mar 09 j 03:10	0°♈	
asc. node	18 Apr 02 j 22:31	0°♉28'49	
	18 Apr 02 j 13:06	0°♉	
	18 Apr 27 j 05:06	0°♊	
	18 May 22 j 04:40	0°♋	
	18 Jun 16 j 15:01	0°♌	
	18 Jul 12 j 19:31	0°♍	
desc. node	18 Jul 23 j 12:07	11°♍50'43	
	18 Aug 09 j 13:22	0°♎	
evening max el	18 Aug 19 j 15:02	10°♎05'49	46°30'51
	18 Sep 11 j 11:18	0°♏	
greatest brilliancy	18 Sep 27 j 20:58	9°♏23'42	-4.6m
retrograde	18 Oct 08 j 11:04	11°♏28'11	
evening set	18 Oct 23 j 14:55	6°♏59'24	
inferior conj	18 Oct 29 j 00:47	3°♏49'33	-3°-54'-32
minimum elong	18 Oct 29 j 09:03	3°♏37'03	3°52'08
min. Earth dist.	18 Oct 29 j 11:18	3°♏33'39	0.26513 AU
morning rise	18 Nov 04 j 02:46	0°♏17'25	
	18 Nov 04 j 16:00	30°℞♎	
asc. node	18 Nov 13 j 15:00	26°♎39'34	
direct	18 Nov 18 j 11:00	26°♎10'23	
greatest brilliancy	18 Dec 01 j 04:29	29°♎12'02	-4.7m
	18 Dec 02 j 21:10	0°♏	
morning max el	19 Jan 08 j 02:34	29°♏28'09	46°51'25
	19 Jan 08 j 15:09	0°♐	
	19 Feb 05 j 10:19	0°♑	
	19 Mar 03 j 12:33	0°♒	
desc. node	19 Mar 05 j 05:01	1°♒58'15	
	19 Mar 28 j 23:07	0°♓	
	19 Apr 23 j 02:03	0°♈	
	19 May 18 j 00:03	0°♉	
	19 Jun 11 j 17:28	0°♊	
asc. node	19 Jun 26 j 08:06	17°♊50'58	
	19 Jul 06 j 05:45	0°♋	
morning set	19 Jul 08 j 05:24	2°♋26'30	
	19 Jul 30 j 12:48	0°♌	
max. Earth dist.	19 Aug 10 j 00:35	13°♌01'38	1.72453 AU
superior conj	19 Aug 13 j 18:25	17°♌41'05	1°22'44
minimum elong	19 Aug 13 j 14:42	17°♌29'28	1°22'42
	19 Aug 23 j 15:34	0°♍	
	19 Sep 16 j 15:50	0°♎	
evening rise	19 Sep 20 j 10:09	4°♎42'28	
	19 Oct 10 j 15:25	0°♏	
desc. node	19 Oct 15 j 21:50	6°♏35'14	
	19 Nov 03 j 15:34	0°♐	
	19 Nov 27 j 17:28	0°♑	
	19 Dec 21 j 23:19	0°♒	
	20 Jan 15 j 13:36	0°♓	
asc. node	20 Feb 06 j 00:41	25°♓31'36	
	20 Feb 09 j 20:49	0°♈	
	20 Mar 07 j 14:35	0°♉	
evening max el	20 Mar 25 j 14:00	18°♉26'29	45°32'49
	20 Apr 07 j 05:45	0°♊	
greatest brilliancy	20 Apr 28 j 17:06	14°♊44'20	-4.5m
retrograde	20 May 13 j 06:04	18°♊24'14	
desc. node	20 May 27 j 14:26	14°♊24'24	
evening set	20 May 28 j 05:43	14°♊03'53	
inferior conj	20 Jun 03 j 16:38	10°♊12'34	-1°-39'00
minimum elong	20 Jun 03 j 13:02	10°♊18'11	1°37'59
min. Earth dist.	20 Jun 03 j 19:38	10°♊07'53	0.28966 AU
morning rise	20 Jun 09 j 20:17	6°♊31'03	
direct	20 Jun 25 j 09:43	1°♊54'14	
greatest brilliancy	20 Jul 09 j 11:02	5°♊21'03	-4.5m
	20 Aug 11 j 05:36	0°♋	
morning max el	20 Aug 13 j 14:40	2°♋17'06	46°03'29
	20 Sep 09 j 00:46	0°♌	
asc. node	20 Sep 17 j 17:32	9°♌48'08	
	20 Oct 05 j 01:35	0°♍	
	20 Oct 29 j 22:03	0°♎	
	20 Nov 23 j 05:12	0°♏	
	20 Dec 17 j 07:08	0°♐	
desc. node	21 Jan 07 j 07:24	26°♐13'21	
	21 Jan 10 j 08:05	0°♑	
	21 Feb 03 j 10:00	0°♒	
morning set	21 Feb 17 j 00:31	16°♒54'32	
	21 Feb 27 j 13:46	0°♓	

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

	21 Mar 23 j 19:47	0°♈		
superior conj	21 Mar 27 j 18:52	4°♈53'22	-1°-8'-37	
minimum elong	21 Mar 28 j 04:14	5°♈22'16	1°08'22	
max. Earth dist.	21 Mar 30 j 08:23	8°♈03'06	1.73126 AU	
	21 Apr 17 j 04:12	0°♉		
asc. node	21 Apr 30 j 10:25	16°♉17'11		
evening rise	21 May 04 j 04:53	20°♉54'44		
	21 May 11 j 14:46	0°♊		
	21 Jun 05 j 03:13	0°♋		
	21 Jun 29 j 17:51	0°♌		
	21 Jul 24 j 11:59	0°♍		
	21 Aug 18 j 12:06	0°♎		
desc. node	21 Aug 20 j 00:02	1°♎46'56		
	21 Sep 12 j 22:22	0°♏		
	21 Oct 09 j 04:19	0°♐		
evening max el	21 Oct 31 j 18:16	24°♐11'01	47°24'09	
	21 Nov 06 j 14:29	0°♑		
greatest brilliancy	21 Dec 08 j 21:53	24°♑49'22	-4.7m	
asc. node	21 Dec 11 j 03:05	25°♑45'08		
retrograde	21 Dec 21 j 17:19	27°♑53'22		
evening set	22 Jan 06 j 12:45	22°♑53'08		
min. Earth dist.	22 Jan 10 j 10:10	20°♑31'28	0.27144 AU	
inferior conj	22 Jan 11 j 10:53	19°♑52'52	6°56'03	
minimum elong	22 Jan 11 j 01:05	20°♑08'10	6°54'11	
morning rise	22 Jan 15 j 13:59	17°♑21'47		
direct	22 Feb 01 j 00:12	12°♑06'31		
greatest brilliancy	22 Feb 11 j 11:34	14°♑09'23	-4.6m	
	22 Mar 07 j 22:50	0°♒		
morning max el	22 Mar 22 j 10:34	13°♒15'36	46°12'11	
desc. node	22 Apr 01 j 16:47	23°♒32'42		
	22 Apr 07 j 21:22	0°♓		
	22 May 05 j 05:59	0°♈		
	22 May 31 j 08:53	0°♉		
	22 Jun 25 j 19:22	0°♊		
	22 Jul 20 j 17:35	0°♋		
asc. node	22 Jul 23 j 19:54	3°♋45'55		
	22 Aug 14 j 05:29	0°♌		
	22 Sep 07 j 09:16	0°♍		
morning set	22 Sep 15 j 20:07	10°♍34'10		
	22 Oct 01 j 07:52	0°♎		
max. Earth dist.	22 Oct 24 j 05:49	28°♎49'44	1.71110 AU	
superior conj	22 Oct 24 j 22:24	29°♎41'52	0°42'03	
minimum elong	22 Oct 25 j 07:51	0°♏11'37	0°41'38	
	22 Oct 25 j 04:09	0°♏		
desc. node	22 Nov 12 j 09:46	22°♏57'01		
	22 Nov 18 j 00:13	0°♐		
evening rise	22 Dec 05 j 12:20	21°♐59'55		
	22 Dec 11 j 21:19	0°♑		
	23 Jan 04 j 20:32	0°♒		
	23 Jan 28 j 23:39	0°♓		
	23 Feb 22 j 09:34	0°♈		
asc. node	23 Mar 05 j 12:38	13°♈30'23		
	23 Mar 19 j 06:15	0°♉		
	23 Apr 13 j 19:34	0°♊		
	23 May 10 j 13:36	0°♋		
evening max el	23 Jun 05 j 07:03	26°♋24'59	45°24'22	
	23 Jun 09 j 02:33	0°♌		
desc. node	23 Jun 25 j 02:26	13°♌30'28		
greatest brilliancy	23 Jul 12 j 04:09	23°♌35'03	-4.5m	
retrograde	23 Jul 23 j 22:27	26°♌02'24		
evening set	23 Aug 10 j 15:02	20°♌15'33		
inferior conj	23 Aug 14 j 04:12	18°♌06'38	-8°-33'-57	
minimum elong	23 Aug 13 j 23:56	18°♌13'12	8°33'44	
min. Earth dist.	23 Aug 14 j 16:41	17°♌47'25	0.28239 AU	
morning rise	23 Aug 17 j 08:36	16°♌09'58		
direct	23 Sep 04 j 11:30	10°♌00'10		
greatest brilliancy	23 Sep 18 j 20:53	13°♌41'24	-4.6m	
	23 Oct 11 j 15:50	0°♍		
asc. node	23 Oct 16 j 05:17	4°♍10'40		
morning max el	23 Oct 24 j 21:45	12°♍40'42	46°44'54	
	23 Nov 10 j 04:34	0°♎		
	23 Dec 06 j 07:36	0°♏		
	23 Dec 31 j 08:39	0°♐		
	24 Jan 25 j 00:11	0°♑		
desc. node	24 Feb 04 j 19:08	13°♑11'51		
	24 Feb 18 j 12:28	0°♒		
	24 Mar 13 j 23:58	0°♓		
	24 Apr 07 j 11:37	0°♈		
morning set	24 Apr 28 j 14:51	25°♈53'17		
	24 May 01 j 23:24	0°♉		
	24 May 26 j 10:38	0°♊		
asc. node	24 May 27 j 22:19	1°♊49'33		
max. Earth dist.	24 Jun 02 j 06:41	8°♊23'38	1.73620 AU	
superior conj	24 Jun 04 j 01:43	10°♊35'49	0°16'50	
minimum elong	24 Jun 03 j 22:22	10°♊25'34	0°16'40	
	24 Jun 19 j 20:23	0°♋		
evening rise	24 Jul 09 j 19:11	24°♋35'38		
	24 Jul 14 j 04:19	0°♌		
	24 Aug 07 j 11:07	0°♍		
	24 Aug 31 j 18:11	0°♎		
desc. node	24 Sep 16 j 11:59	19°♎23'32		
	24 Sep 25 j 03:02	0°♏		
	24 Oct 19 j 15:11	0°♐		
	24 Nov 13 j 09:48	0°♑		
	24 Dec 08 j 19:08	0°♒		
	25 Jan 04 j 18:21	0°♓		
asc. node	25 Jan 07 j 14:52	2°♓58'48		
evening max el	25 Jan 11 j 03:21	6°♓35'04	46°44'51	
	25 Feb 06 j 17:57	0°♈		
greatest brilliancy	25 Feb 16 j 02:37	5°♈36'23	-4.6m	
retrograde	25 Mar 02 j 12:37	9°♈23'00		
evening set	25 Mar 19 j 18:14	3°♈37'20		
inferior conj	25 Mar 23 j 20:07	1°♈04'52	7°12'15	
minimum elong	25 Mar 24 j 04:50	0°♈51'02	7°10'53	
min. Earth dist.	25 Mar 23 j 19:24	1°♈06'00	0.28739 AU	
	25 Mar 25 j 13:09	30°R♓		
morning rise	25 Mar 28 j 15:37	28°♓06'21		
direct	25 Apr 14 j 03:26	22°♓50'19		
greatest brilliancy	25 Apr 26 j 08:40	25°♓29'20	-4.5m	
desc. node	25 Apr 29 j 04:33	26°♓45'12		
	25 May 05 j 01:48	0°♈		
morning max el	25 Jun 01 j 22:57	22°♈39'37	45°45'15	
	25 Jun 09 j 11:08	0°♉		
	25 Jul 07 j 17:23	0°♊		
	25 Aug 02 j 23:57	0°♋		
asc. node	25 Aug 20 j 07:42	20°♋30'58		
	25 Aug 28 j 04:50	0°♌		
	25 Sep 21 j 17:14	0°♍		
	25 Oct 15 j 19:35	0°♎		
	25 Nov 08 j 17:00	0°♏		
morning set	25 Nov 29 j 13:26	26°♏14'38		
	25 Dec 02 j 13:03	0°♐		
desc. node	25 Dec 09 j 21:35	9°♐15'19		
	25 Dec 26 j 09:45	0°♑		
superior conj	26 Jan 10 j 13:20	19°♑00'08	-1°-5'-53	
minimum elong	26 Jan 10 j 01:43	18°♑23'46	1°05'32	
max. Earth dist.	26 Jan 14 j 05:51	23°♑37'20	1.71530 AU	
	26 Jan 19 j 08:11	0°♒		
	26 Feb 12 j 09:19	0°♓		
evening rise	26 Feb 20 j 01:51	9°♓33'08		

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

	26 Mar	08 j 14:20	0°♈			28 Aug	11 j 04:28	0°♋	
asc. node	26 Apr	02 j 00:37	0°♉00'34			28 Sep	08 j 16:49	0°♌	
	26 Apr	02 j 00:25	0°♉		asc. node	28 Sep	16 j 19:42	9°♌11'14	
	26 Apr	26 j 16:45	0°♊			28 Oct	04 j 15:22	0°♍	
	26 May	21 j 16:56	0°♋			28 Oct	29 j 10:46	0°♎	
	26 Jun	16 j 04:26	0°♌			28 Nov	22 j 17:21	0°♏	
	26 Jul	12 j 11:08	0°♍			28 Dec	16 j 18:56	0°♐	
desc. node	26 Jul	22 j 14:06	11°♍09'43		desc. node	29 Jan	06 j 09:20	25°♐43'13	
	26 Aug	09 j 10:12	0°♎			29 Jan	09 j 19:37	0°♑	
evening max el	26 Aug	17 j 05:03	7°♎44'56	46°28'10		29 Feb	02 j 21:20	0°♒	
	26 Sep	12 j 10:55	0°♏		morning set	29 Feb	14 j 13:16	14°♒30'18	
greatest brilliancy	26 Sep	25 j 08:52	6°♏54'59	-4.6m		29 Feb	27 j 00:53	0°♓	
retrograde	26 Oct	05 j 23:29	8°♏59'10			29 Mar	23 j 06:46	0°♈	
evening set	26 Oct	21 j 05:45	4°♏26'41						
inferior conj	26 Oct	26 j 12:51	1°♏20'24	-4°-16'-15	superior conj	29 Mar	25 j 10:46	2°♈40'29	-1°-10'-35
minimum elong	26 Oct	26 j 21:41	1°♏07'01	4°13'45	minimum elong	29 Mar	25 j 19:57	3°♈08'48	1°10'20
min. Earth dist.	26 Oct	27 j 00:16	1°♏03'08	0.26548 AU	max. Earth dist.	29 Mar	28 j 05:17	6°♈05'42	1.73078 AU
	26 Oct	28 j 18:15	30°R♎			29 Apr	16 j 15:07	0°♉	
morning rise	26 Nov	01 j 13:17	27°♎50'29		asc. node	29 Apr	29 j 12:34	15°♉50'11	
asc. node	26 Nov	12 j 17:11	23°♎54'21		evening rise	29 May	01 j 22:57	18°♉49'16	
direct	26 Nov	16 j 00:16	23°♎40'49			29 May	11 j 01:46	0°♊	
greatest brilliancy	26 Nov	28 j 18:20	26°♎43'46	-4.7m		29 Jun	04 j 14:27	0°♋	
	26 Dec	04 j 22:01	0°♏			29 Jun	29 j 05:28	0°♌	
morning max el	27 Jan	05 j 16:49	27°♏04'11	46°52'16		29 Jul	24 j 00:12	0°♍	
	27 Jan	08 j 13:41	0°♐			29 Aug	18 j 01:15	0°♎	
	27 Feb	05 j 02:43	0°♑		desc. node	29 Aug	19 j 02:03	1°♎13'41	
	27 Mar	03 j 02:31	0°♒			29 Sep	12 j 13:03	0°♏	
desc. node	27 Mar	04 j 07:06	1°♒23'42			29 Oct	08 j 22:00	0°♐	
	27 Mar	28 j 11:50	0°♓		evening max el	29 Oct	29 j 08:03	21°♐45'26	47°23'40
	27 Apr	22 j 14:02	0°♈			29 Nov	06 j 16:50	0°♑	
	27 May	17 j 11:33	0°♉		greatest brilliancy	29 Dec	06 j 14:40	22°♑26'13	-4.7m
	27 Jun	11 j 04:40	0°♊		asc. node	29 Dec	10 j 05:04	23°♑51'27	
asc. node	27 Jun	25 j 10:08	17°♊23'12		retrograde	29 Dec	19 j 06:33	25°♑26'40	
morning set	27 Jul	05 j 23:15	0°♋19'53		evening set	30 Jan	03 j 22:54	20°♑32'22	
	27 Jul	05 j 16:47	0°♋		min. Earth dist.	30 Jan	08 j 00:10	18°♑05'20	0.27077 AU
	27 Jul	29 j 23:48	0°♌		inferior conj	30 Jan	09 j 00:21	17°♑27'36	6°42'01
max. Earth dist.	27 Aug	07 j 15:45	10°♌45'21	1.72506 AU	minimum elong	30 Jan	08 j 14:22	17°♑43'11	6°39'58
					morning rise	30 Jan	13 j 06:21	14°♑52'13	
superior conj	27 Aug	11 j 11:18	15°♌29'57	1°21'58	direct	30 Jan	29 j 12:38	9°♑42'16	
minimum elong	27 Aug	11 j 06:57	15°♌16'25	1°21'56	greatest brilliancy	30 Feb	09 j 01:31	11°♑46'10	-4.6m
	27 Aug	23 j 02:38	0°♍			30 Mar	08 j 06:04	0°♒	
	27 Sep	16 j 03:04	0°♎		morning max el	30 Mar	19 j 23:11	10°♒52'44	46°13'47
evening rise	27 Sep	17 j 23:45	2°♎19'43		desc. node	30 Mar	31 j 18:54	22°♒47'25	
	27 Oct	10 j 02:50	0°♏			30 Apr	07 j 15:31	0°♓	
desc. node	27 Oct	14 j 23:58	6°♏06'06			30 May	04 j 20:27	0°♈	
	27 Nov	03 j 03:12	0°♐			30 May	30 j 21:40	0°♉	
	27 Nov	27 j 05:22	0°♑			30 Jun	25 j 07:16	0°♊	
	27 Dec	21 j 11:35	0°♒			30 Jul	20 j 05:02	0°♋	
	28 Jan	15 j 02:31	0°♓		asc. node	30 Jul	22 j 21:54	3°♋17'18	
asc. node	28 Feb	05 j 02:43	24°♓56'55			30 Aug	13 j 16:42	0°♌	
	28 Feb	09 j 11:01	0°♈			30 Sep	06 j 20:24	0°♍	
	28 Mar	07 j 08:01	0°♉		morning set	30 Sep	13 j 10:38	8°♍14'32	
evening max el	28 Mar	23 j 06:15	16°♉15'57	45°34'20		30 Sep	30 j 18:59	0°♎	
	28 Apr	07 j 12:09	0°♊		max. Earth dist.	30 Oct	21 j 11:44	26°♎02'09	1.71135 AU
greatest brilliancy	28 Apr	26 j 09:51	12°♊36'09	-4.5m					
retrograde	28 May	10 j 22:08	16°♊15'26		superior conj	30 Oct	22 j 09:40	27°♎11'12	0°45'20
evening set	28 May	25 j 22:16	11°♊55'12		minimum elong	30 Oct	22 j 19:33	27°♎42'18	0°44'55
desc. node	28 May	26 j 16:33	11°♊29'55			30 Oct	24 j 15:19	0°♏	
inferior conj	28 Jun	01 j 09:05	8°♊03'36	-1°-19'-38	desc. node	30 Nov	11 j 11:51	22°♏28'17	
minimum elong	28 Jun	01 j 06:10	8°♊08'09	1°18'48		30 Nov	17 j 11:28	0°♐	
min. Earth dist.	28 Jun	01 j 12:17	7°♊58'36	0.28973 AU	evening rise	30 Dec	02 j 21:49	19°♐23'37	
morning rise	28 Jun	07 j 14:01	4°♊19'52			30 Dec	11 j 08:38	0°♑	
	28 Jun	19 j 13:21	30°R♉			31 Jan	04 j 07:55	0°♒	
direct	28 Jun	23 j 02:25	29°♉45'15			31 Jan	28 j 11:12	0°♓	
	28 Jun	26 j 16:54	0°♊			31 Feb	21 j 21:25	0°♈	
greatest brilliancy	28 Jul	07 j 01:15	3°♊09'01	-4.5m	asc. node	31 Mar	04 j 14:46	13°♈00'26	
morning max el	28 Aug	11 j 05:38	0°♋02'49	46°02'06		31 Mar	18 j 18:41	0°♉	

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

	31 Apr 13 j 09:14	0°♊		
	31 May 10 j 06:02	0°♋		
evening max el	31 Jun 02 j 21:08	24°♋09'36	45°23'21	
	31 Jun 09 j 03:51	0°♌		
desc. node	31 Jun 24 j 04:21	12°♌21'20		
greatest brilliancy	31 Jul 09 j 14:33	21°♌16'07	-4.5m	
retrograde	31 Jul 21 j 13:02	23°♌47'44		
evening set	31 Aug 08 j 02:41	18°♌04'14		
inferior conj	31 Aug 11 j 18:58	15°♌50'54	-8°-28'-40	
minimum elong	31 Aug 11 j 13:56	15°♌58'37	8°28'19	
min. Earth dist.	31 Aug 12 j 06:42	15°♌32'52	0.28293 AU	
morning rise	31 Aug 15 j 00:56	13°♌52'02		
direct	31 Sep 02 j 02:42	7°♌43'26		
greatest brilliancy	31 Sep 16 j 14:19	11°♌27'11	-4.6m	
	31 Oct 11 j 20:19	0°♍		
asc. node	31 Oct 15 j 07:26	3°♍14'25		
morning max el	31 Oct 22 j 12:41	10°♍20'28	46°43'46	
	31 Nov 09 j 22:20	0°♎		
	31 Dec 05 j 22:17	0°♏		
	31 Dec 30 j 21:55	0°♐		
	32 Jan 24 j 12:35	0°♑		
desc. node	32 Feb 03 j 21:16	12°♑41'16		
	32 Feb 18 j 00:17	0°♒		
	32 Mar 13 j 11:22	0°♓		
	32 Apr 06 j 22:42	0°♈		
morning set	32 Apr 26 j 08:39	23°♈47'15		
	32 May 01 j 10:17	0°♉		
	32 May 25 j 21:24	0°♊		
asc. node	32 May 27 j 00:21	1°♊22'43		
max. Earth dist.	32 May 31 j 05:36	6°♊33'37	1.73631 AU	
superior conj	32 Jun 01 j 20:25	8°♊32'49	0°13'47	
minimum elong	32 Jun 01 j 17:40	8°♊24'21	0°13'39	
behind sun begin	32 Jun 01 j 06:16	7°♊49'22		
behind sun end	32 Jun 02 j 05:03	8°♊59'20		
	32 Jun 19 j 07:08	0°♋		
evening rise	32 Jul 07 j 14:18	22°♋33'09		
	32 Jul 13 j 15:10	0°♌		
	32 Aug 06 j 22:13	0°♍		
	32 Aug 31 j 05:41	0°♎		
desc. node	32 Sep 15 j 14:08	18°♎53'55		
	32 Sep 24 j 15:01	0°♏		
	32 Oct 19 j 03:50	0°♐		
	32 Nov 12 j 23:26	0°♑		
	32 Dec 08 j 10:34	0°♒		
	33 Jan 04 j 14:22	0°♓		
asc. node	33 Jan 06 j 16:54	2°♓10'38		
evening max el	33 Jan 08 j 18:46	4°♓17'47	46°47'31	
	33 Feb 07 j 18:28	0°♈		
greatest brilliancy	33 Feb 13 j 18:45	3°♈22'59	-4.6m	
retrograde	33 Feb 28 j 05:28	7°♈10'25		
evening set	33 Mar 17 j 12:53	1°♈20'33		
	33 Mar 19 j 17:08	30°℞♓		
inferior conj	33 Mar 21 j 12:08	28°♓52'06	7°23'07	
minimum elong	33 Mar 21 j 20:33	28°♓38'47	7°21'53	
min. Earth dist.	33 Mar 21 j 10:20	28°♓54'57	0.28709 AU	
morning rise	33 Mar 26 j 04:26	25°♓58'37		
direct	33 Apr 11 j 19:09	20°♓38'03		
greatest brilliancy	33 Apr 23 j 22:27	23°♓15'49	-4.5m	
desc. node	33 Apr 28 j 06:40	25°♓16'57		
	33 May 06 j 02:41	0°♈		
morning max el	33 May 30 j 15:46	20°♈31'43	45°45'34	
	33 Jun 09 j 06:46	0°♉		
	33 Jul 07 j 08:09	0°♊		
	33 Aug 02 j 12:47	0°♋		
asc. node	33 Aug 19 j 09:55	20°♋01'12		
	33 Aug 27 j 16:45	0°♌		
	33 Sep 21 j 04:41	0°♍		
	33 Oct 15 j 06:51	0°♎		
	33 Nov 08 j 04:11	0°♏		
morning set	33 Nov 26 j 23:28	23°♏40'08		
	33 Dec 02 j 00:11	0°♐		
desc. node	33 Dec 08 j 23:34	8°♐46'33		
	33 Dec 25 j 20:49	0°♑		
superior conj	34 Jan 07 j 23:12	16°♑26'02	-1°-3'-17	
minimum elong	34 Jan 07 j 11:24	15°♑49'05	1°02'54	
max. Earth dist.	34 Jan 11 j 15:30	21°♑02'42	1.71485 AU	
	34 Jan 18 j 19:11	0°♒		
	34 Feb 11 j 20:17	0°♓		
evening rise	34 Feb 17 j 14:17	7°♓08'46		
	34 Mar 08 j 01:20	0°♈		
asc. node	34 Apr 01 j 02:45	29°♈33'07		
	34 Apr 01 j 11:33	0°♉		
	34 Apr 26 j 04:12	0°♊		
	34 May 21 j 05:00	0°♋		
	34 Jun 15 j 17:39	0°♌		
	34 Jul 12 j 02:36	0°♍		
desc. node	34 Jul 21 j 16:14	10°♍29'52		
	34 Aug 09 j 07:15	0°♎		
evening max el	34 Aug 14 j 19:14	5°♎25'53	46°25'27	
	34 Sep 13 j 18:24	0°♏		
greatest brilliancy	34 Sep 22 j 21:17	4°♏28'45	-4.6m	
retrograde	34 Oct 03 j 11:33	6°♏31'56		
evening set	34 Oct 18 j 20:54	1°♏55'48		
	34 Oct 22 j 04:51	30°℞♎		
inferior conj	34 Oct 24 j 01:07	28°♎53'06	-4°-37'-13	
minimum elong	34 Oct 24 j 10:27	28°♎38'57	4°34'39	
min. Earth dist.	34 Oct 24 j 13:25	28°♎34'27	0.26591 AU	
morning rise	34 Oct 29 j 23:43	25°♎25'26		
asc. node	34 Nov 11 j 19:11	21°♎16'56		
direct	34 Nov 13 j 13:41	21°♎13'04		
greatest brilliancy	34 Nov 26 j 08:18	24°♎16'45	-4.7m	
	34 Dec 06 j 06:17	0°♏		
morning max el	35 Jan 03 j 06:14	24°♏38'31	46°52'47	
	35 Jan 08 j 11:09	0°♐		
	35 Feb 04 j 18:42	0°♑		
	35 Mar 02 j 16:14	0°♒		
desc. node	35 Mar 03 j 09:14	0°♒49'56		
	35 Mar 28 j 00:18	0°♓		
	35 Apr 22 j 01:43	0°♈		
	35 May 16 j 22:43	0°♉		
	35 Jun 10 j 15:31	0°♊		
asc. node	35 Jun 24 j 12:08	16°♊56'22		
morning set	35 Jul 03 j 17:14	28°♊14'44		
	35 Jul 05 j 03:29	0°♋		
	35 Jul 29 j 10:27	0°♌		
max. Earth dist.	35 Aug 05 j 06:35	8°♌29'12	1.72558 AU	
superior conj	35 Aug 09 j 04:36	13°♌21'20	1°21'07	
minimum elong	35 Aug 08 j 23:41	13°♌06'01	1°21'03	
	35 Aug 22 j 13:21	0°♍		
evening rise	35 Sep 15 j 13:57	0°♎00'09		
	35 Sep 15 j 13:54	0°♎		
	35 Oct 09 j 13:51	0°♏		
desc. node	35 Oct 14 j 02:02	5°♏37'58		
	35 Nov 02 j 14:27	0°♐		
	35 Nov 26 j 16:56	0°♑		
	35 Dec 20 j 23:36	0°♒		
	36 Jan 14 j 15:14	0°♓		
asc. node	36 Feb 04 j 04:52	24°♓23'00		
	36 Feb 09 j 01:09	0°♈		
	36 Mar 07 j 01:36	0°♉		
evening max el	36 Mar 20 j 21:30	14°♉03'30	45°36'05	

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

	36 Apr 07 j 20:42	0°♊		
greatest brilliancy	36 Apr 24 j 02:23	10°♊28'17	-4.5m	
retrograde	36 May 08 j 14:01	14°♊07'34		
evening set	36 May 23 j 14:57	9°♊47'02		
desc. node	36 May 25 j 18:28	8°♊33'51		
inferior conj	36 May 30 j 01:33	5°♊55'35	-1°00'-10	
minimum elong	36 May 29 j 23:20	5°♊59'02	0°59'32	
min. Earth dist.	36 May 30 j 05:11	5°♊49'53	0.28976 AU	
morning rise	36 Jun 05 j 07:37	2°♊09'49		
	36 Jun 09 j 17:16	30°℞♉		
direct	36 Jun 20 j 18:38	27°♉37'11		
	36 Jul 02 j 08:33	0°♊		
greatest brilliancy	36 Jul 04 j 16:09	0°♊58'48	-4.5m	
morning max el	36 Aug 08 j 20:02	27°♊48'22	46°00'54	
	36 Aug 11 j 02:00	0°♋		
	36 Sep 08 j 08:11	0°♌		
asc. node	36 Sep 15 j 21:43	8°♌35'27		
	36 Oct 04 j 04:36	0°♍		
	36 Oct 28 j 22:59	0°♎		
	36 Nov 22 j 05:02	0°♏		
	36 Dec 16 j 06:17	0°♐		
desc. node	37 Jan 05 j 11:26	25°♐14'58		
	37 Jan 09 j 06:46	0°♑		
	37 Feb 02 j 08:18	0°♒		
morning set	37 Feb 12 j 01:35	12°♒05'35		
	37 Feb 26 j 11:43	0°♓		
	37 Mar 22 j 17:29	0°♈		
superior conj	37 Mar 23 j 02:10	0°♈26'50	-1°-12'-27	
minimum elong	37 Mar 23 j 11:04	0°♈54'18	1°12'14	
max. Earth dist.	37 Mar 25 j 23:27	4°♈00'37	1.73030 AU	
	37 Apr 16 j 01:47	0°♉		
asc. node	37 Apr 28 j 14:31	15°♉23'22		
evening rise	37 Apr 29 j 16:25	16°♉42'48		
	37 May 10 j 12:30	0°♊		
	37 Jun 04 j 01:23	0°♋		
	37 Jun 28 j 16:47	0°♌		
	37 Jul 23 j 12:07	0°♍		
	37 Aug 17 j 14:07	0°♎		
desc. node	37 Aug 18 j 04:12	0°♎41'44		
	37 Sep 12 j 03:32	0°♏		
	37 Oct 08 j 15:39	0°♐		
evening max el	37 Oct 26 j 21:09	19°♐19'29	47°23'12	
	37 Nov 06 j 20:06	0°♑		
greatest brilliancy	37 Dec 04 j 06:45	20°♑03'32	-4.7m	
asc. node	37 Dec 09 j 07:05	21°♑54'43		
retrograde	37 Dec 16 j 19:55	23°♑01'37		
evening set	38 Jan 01 j 09:09	18°♑12'38		
min. Earth dist.	38 Jan 05 j 14:14	15°♑40'32	0.27016 AU	
inferior conj	38 Jan 06 j 13:51	15°♑03'45	6°27'04	
minimum elong	38 Jan 06 j 03:46	15°♑19'29	6°24'54	
morning rise	38 Jan 10 j 22:50	12°♑24'10		
direct	38 Jan 27 j 00:58	7°♑19'09		
greatest brilliancy	38 Feb 06 j 16:09	9°♑25'00	-4.6m	
	38 Mar 08 j 10:40	0°♒		
morning max el	38 Mar 17 j 12:17	8°♒31'47	46°15'14	
desc. node	38 Mar 30 j 20:58	22°♒03'30		
	38 Apr 07 j 08:56	0°♓		
	38 May 04 j 10:31	0°♈		
	38 May 30 j 10:10	0°♉		
	38 Jun 24 j 18:56	0°♊		
	38 Jul 19 j 16:12	0°♋		
asc. node	38 Jul 22 j 00:05	2°♋50'03		
	38 Aug 13 j 03:37	0°♌		
	38 Sep 06 j 07:13	0°♍		
morning set	38 Sep 11 j 01:14	5°♍56'15		
	38 Sep 30 j 05:48	0°♎		

max. Earth dist.	38 Oct 18 j 20:35	23°♎24'44	1.71162 AU	
superior conj	38 Oct 19 j 21:13	24°♎42'14	0°48'31	
minimum elong	38 Oct 20 j 07:27	25°♎14'27	0°48'06	
	38 Oct 24 j 02:12	0°♏		
desc. node	38 Nov 10 j 13:49	22°♏00'06		
	38 Nov 16 j 22:25	0°♐		
evening rise	38 Nov 30 j 07:39	16°♐49'23		
	38 Dec 10 j 19:38	0°♑		
	39 Jan 03 j 19:00	0°♒		
	39 Jan 27 j 22:25	0°♓		
	39 Feb 21 j 08:58	0°♈		
asc. node	39 Mar 03 j 16:50	12°♈31'09		
	39 Mar 18 j 06:55	0°♉		
	39 Apr 12 j 22:48	0°♊		
	39 May 09 j 22:36	0°♋		
evening max el	39 May 31 j 12:03	21°♋56'41	45°22'27	
	39 Jun 09 j 06:28	0°♌		
desc. node	39 Jun 23 j 06:30	11°♌10'56		
greatest brilliancy	39 Jul 07 j 00:57	18°♌57'38	-4.5m	
retrograde	39 Jul 19 j 03:57	21°♌33'23		
evening set	39 Aug 05 j 14:11	15°♌53'38		
inferior conj	39 Aug 09 j 09:40	13°♌35'34	-8°-22'-39	
minimum elong	39 Aug 09 j 03:56	13°♌44'22	8°22'10	
min. Earth dist.	39 Aug 09 j 20:21	13°♌19'09	0.28341 AU	
morning rise	39 Aug 12 j 17:29	11°♌34'06		
direct	39 Aug 30 j 18:18	5°♌27'22		
greatest brilliancy	39 Sep 14 j 06:47	9°♌12'35	-4.6m	
	39 Oct 11 j 22:51	0°♍		
asc. node	39 Oct 14 j 09:27	2°♍19'41		
morning max el	39 Oct 20 j 04:07	8°♍02'24	46°42'33	
	39 Nov 09 j 15:29	0°♎		
	39 Dec 05 j 12:35	0°♏		
	39 Dec 30 j 10:51	0°♐		
	40 Jan 24 j 00:42	0°♑		
desc. node	40 Feb 02 j 23:22	12°♑11'22		
	40 Feb 17 j 11:50	0°♒		
	40 Mar 12 j 22:31	0°♓		
	40 Apr 06 j 09:36	0°♈		
morning set	40 Apr 24 j 02:21	21°♈41'29		
	40 Apr 30 j 21:01	0°♉		
	40 May 25 j 08:04	0°♊		
asc. node	40 May 26 j 02:24	0°♊56'18		
max. Earth dist.	40 May 29 j 04:53	4°♊44'57	1.73644 AU	
superior conj	40 May 30 j 14:51	6°♊29'17	0°10'42	
minimum elong	40 May 30 j 12:42	6°♊22'40	0°10'36	
behind sun begin	40 May 29 j 19:55	5°♊31'07		
behind sun end	40 May 31 j 05:29	7°♊14'13		
	40 Jun 18 j 17:49	0°♋		
evening rise	40 Jul 05 j 09:06	20°♋29'55		
	40 Jul 13 j 01:59	0°♌		
	40 Aug 06 j 09:17	0°♍		
	40 Aug 30 j 17:07	0°♎		
desc. node	40 Sep 14 j 16:08	18°♎24'05		
	40 Sep 24 j 02:57	0°♏		
	40 Oct 18 j 16:27	0°♐		
	40 Nov 12 j 13:04	0°♑		
	40 Dec 08 j 02:08	0°♒		
	41 Jan 04 j 10:55	0°♓		
asc. node	41 Jan 05 j 19:07	1°♓22'21		
evening max el	41 Jan 06 j 10:53	2°♓02'25	46°50'06	
	41 Feb 09 j 04:55	0°♈		
greatest brilliancy	41 Feb 11 j 12:02	1°♈11'20	-4.6m	
retrograde	41 Feb 25 j 22:22	4°♈57'51		
	41 Mar 13 j 17:47	30°℞♓		
evening set	41 Mar 15 j 07:30	29°♓04'10		

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

inferior conj	41 Mar 19 j 04:09	26°♓39'30	7°33'17
minimum elong	41 Mar 19 j 12:12	26°♓26'44	7°32'10
min. Earth dist.	41 Mar 19 j 01:00	26°♓44'29	0.28676 AU
morning rise	41 Mar 23 j 17:12	23°♓50'59	
direct	41 Apr 09 j 11:11	18°♓26'15	
greatest brilliancy	41 Apr 21 j 11:01	21°♓01'13	-4.5m
desc. node	41 Apr 27 j 08:36	23°♓51'44	
	41 May 06 j 20:47	0°♈	
morning max el	41 May 28 j 08:12	18°♈23'08	45°45'43
	41 Jun 09 j 01:46	0°♉	
	41 Jul 06 j 22:44	0°♊	
	41 Aug 02 j 01:36	0°♋	
asc. node	41 Aug 18 j 11:56	19°♋30'40	
	41 Aug 27 j 04:42	0°♌	
	41 Sep 20 j 16:13	0°♍	
	41 Oct 14 j 18:09	0°♎	
	41 Nov 07 j 15:22	0°♏	
morning set	41 Nov 24 j 09:34	21°♏05'52	
	41 Dec 01 j 11:18	0°♐	
desc. node	41 Dec 08 j 01:39	8°♐18'08	
	41 Dec 25 j 07:54	0°♑	
superior conj	42 Jan 05 j 09:00	13°♑51'37	-1°00'-33
minimum elong	42 Jan 04 j 21:09	13°♑14'27	1°00'09
max. Earth dist.	42 Jan 09 j 02:32	18°♑32'14	1.71441 AU
	42 Jan 18 j 06:14	0°♒	
	42 Feb 11 j 07:19	0°♓	
evening rise	42 Feb 15 j 02:38	4°♓43'50	
	42 Mar 07 j 12:23	0°♈	
asc. node	42 Mar 31 j 04:43	29°♈05'01	
	42 Mar 31 j 22:44	0°♉	
	42 Apr 25 j 15:42	0°♊	
	42 May 20 j 17:11	0°♋	
	42 Jun 15 j 07:05	0°♌	
	42 Jul 11 j 18:32	0°♍	
desc. node	42 Jul 20 j 18:19	9°♍48'45	
	42 Aug 09 j 05:27	0°♎	
evening max el	42 Aug 12 j 08:39	3°♎04'07	46°22'32
	42 Sep 15 j 17:33	0°♏	
greatest brilliancy	42 Sep 20 j 10:43	2°♏02'34	-4.6m
retrograde	42 Sep 30 j 23:01	4°♏03'34	
	42 Oct 15 j 09:16	30°℞♎	
evening set	42 Oct 16 j 12:01	29°♎23'44	
inferior conj	42 Oct 21 j 13:16	26°♎24'53	-4°-57'-43
minimum elong	42 Oct 21 j 23:02	26°♎10'03	4°55'06
min. Earth dist.	42 Oct 22 j 02:45	26°♎04'24	0.26632 AU
morning rise	42 Oct 27 j 09:43	22°♎59'41	
asc. node	42 Nov 10 j 21:13	18°♎44'23	
direct	42 Nov 11 j 02:18	18°♎44'19	
greatest brilliancy	42 Nov 23 j 22:26	21°♎49'05	-4.7m
	42 Dec 07 j 05:52	0°♏	
morning max el	42 Dec 31 j 18:33	22°♏09'24	46°53'23
	43 Jan 08 j 08:04	0°♐	
	43 Feb 04 j 10:35	0°♑	
desc. node	43 Mar 02 j 11:12	0°♒15'25	
	43 Mar 02 j 05:58	0°♒	
	43 Mar 27 j 12:52	0°♓	
	43 Apr 21 j 13:32	0°♈	
	43 May 16 j 10:03	0°♉	
	43 Jun 10 j 02:32	0°♊	
asc. node	43 Jun 23 j 14:20	16°♊29'35	
morning set	43 Jul 01 j 11:20	26°♊09'27	
	43 Jul 04 j 14:22	0°♋	
	43 Jul 28 j 21:20	0°♌	
max. Earth dist.	43 Aug 02 j 22:46	6°♌16'37	1.72618 AU
superior conj	43 Aug 06 j 21:59	11°♌12'17	1°20'09
minimum elong	43 Aug 06 j 16:29	10°♌55'13	1°20'03
	43 Aug 22 j 00:21	0°♍	
evening rise	43 Sep 13 j 04:08	27°♍39'37	
	43 Sep 15 j 01:04	0°♎	
	43 Oct 09 j 01:13	0°♏	
desc. node	43 Oct 13 j 04:02	5°♏08'32	
	43 Nov 02 j 02:03	0°♐	
	43 Nov 26 j 04:50	0°♑	
	43 Dec 20 j 11:55	0°♒	
	44 Jan 14 j 04:18	0°♓	
asc. node	44 Feb 03 j 06:52	23°♓47'43	
	44 Feb 08 j 15:41	0°♈	
	44 Mar 06 j 19:54	0°♉	
evening max el	44 Mar 18 j 12:08	11°♉48'38	45°37'54
	44 Apr 08 j 08:44	0°♊	
greatest brilliancy	44 Apr 21 j 18:10	8°♊18'43	-4.5m
retrograde	44 May 06 j 06:10	11°♊59'23	
evening set	44 May 21 j 07:51	7°♊37'59	
desc. node	44 May 24 j 20:38	5°♊35'01	
inferior conj	44 May 27 j 18:07	3°♊47'08	0°-40'-36
minimum elong	44 May 27 j 16:38	3°♊49'28	0°40'11
min. Earth dist.	44 May 27 j 22:16	3°♊40'37	0.28979 AU
morning rise	44 Jun 03 j 01:12	29°♉59'40	
	44 Jun 03 j 00:58	30°℞♉	
direct	44 Jun 18 j 10:31	25°♉28'31	
greatest brilliancy	44 Jul 02 j 08:00	28°♉49'18	-4.5m
	44 Jul 04 j 18:29	0°♊	
morning max el	44 Aug 06 j 10:48	25°♊34'10	45°59'43
	44 Aug 10 j 23:03	0°♋	
	44 Sep 07 j 23:39	0°♌	
asc. node	44 Sep 14 j 23:46	7°♌59'03	
	44 Oct 03 j 18:05	0°♍	
	44 Oct 28 j 11:34	0°♎	
	44 Nov 21 j 17:06	0°♏	
	44 Dec 15 j 18:02	0°♐	
desc. node	45 Jan 04 j 13:36	24°♐45'36	
	45 Jan 08 j 18:17	0°♑	
	45 Feb 01 j 19:37	0°♒	
morning set	45 Feb 09 j 13:32	9°♒38'34	
	45 Feb 25 j 22:52	0°♓	
superior conj	45 Mar 20 j 17:30	28°♓11'55	-1°-14'-12
minimum elong	45 Mar 21 j 02:05	28°♓38'24	1°14'01
	45 Mar 22 j 04:30	0°♈	
max. Earth dist.	45 Mar 23 j 16:10	1°♈50'04	1.72981 AU
	45 Apr 15 j 12:48	0°♉	
evening rise	45 Apr 27 j 09:58	14°♉35'32	
asc. node	45 Apr 27 j 16:37	14°♉55'58	
greatest brilliancy	45 Apr 29 j 01:18	16°♉36'13	-3.9m
	45 May 09 j 23:35	0°♊	
	45 Jun 03 j 12:41	0°♋	
	45 Jun 28 j 04:27	0°♌	
	45 Jul 23 j 00:24	0°♍	
desc. node	45 Aug 17 j 06:12	0°♎08'14	
	45 Aug 17 j 03:25	0°♎	
	45 Sep 11 j 18:34	0°♏	
	45 Oct 08 j 10:13	0°♐	
evening max el	45 Oct 24 j 10:16	16°♐52'11	47°22'27
	45 Nov 07 j 01:58	0°♑	
greatest brilliancy	45 Dec 01 j 21:50	17°♑37'10	-4.7m
asc. node	45 Dec 08 j 09:17	19°♑50'46	
retrograde	45 Dec 14 j 09:21	20°♑33'53	
evening set	45 Dec 29 j 19:06	15°♑49'47	
min. Earth dist.	46 Jan 03 j 03:48	13°♑13'03	0.26955 AU
inferior conj	46 Jan 04 j 02:59	12°♑37'04	6°11'02
minimum elong	46 Jan 03 j 16:51	12°♑52'48	6°08'46
morning rise	46 Jan 08 j 15:03	9°♑53'27	

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

direct	46 Jan 24 j 13:07	4°♑53'09	
greatest brilliancy	46 Feb 04 j 06:17	7°♑01'04	-4.6m
	46 Mar 08 j 14:11	0°♒	
morning max el	46 Mar 15 j 01:58	6°♒10'46	46°16'53
desc. node	46 Mar 29 j 23:01	21°♒18'53	
	46 Apr 07 j 02:25	0°♓	
	46 May 04 j 00:47	0°♈	
	46 May 29 j 22:56	0°♉	
	46 Jun 24 j 06:52	0°♊	
	46 Jul 19 j 03:41	0°♋	
asc. node	46 Jul 21 j 02:05	2°♋21'18	
	46 Aug 12 j 14:50	0°♌	
	46 Sep 05 j 18:19	0°♍	
morning set	46 Sep 08 j 16:23	3°♍38'49	
	46 Sep 29 j 16:55	0°♎	
max. Earth dist.	46 Oct 16 j 08:03	20°♎54'34	1.71193 AU
superior conj	46 Oct 17 j 09:08	22°♎13'29	0°51'35
minimum elong	46 Oct 17 j 19:36	22°♎46'27	0°51'10
	46 Oct 23 j 13:24	0°♏	
desc. node	46 Nov 09 j 15:59	21°♏31'26	
	46 Nov 16 j 09:43	0°♐	
evening rise	46 Nov 27 j 17:28	14°♐13'51	
	46 Dec 10 j 07:02	0°♑	
	47 Jan 03 j 06:30	0°♒	
	47 Jan 27 j 10:05	0°♓	
	47 Feb 20 j 20:58	0°♈	
asc. node	47 Mar 02 j 18:49	12°♈00'20	
	47 Mar 17 j 19:35	0°♉	
	47 Apr 12 j 12:51	0°♊	
	47 May 09 j 15:52	0°♋	
evening max el	47 May 29 j 03:54	19°♋45'13	45°21'39
	47 Jun 09 j 11:07	0°♌	
desc. node	47 Jun 22 j 08:37	9°♌57'40	
greatest brilliancy	47 Jul 04 j 12:13	16°♌39'44	-4.5m
retrograde	47 Jul 16 j 18:59	19°♌18'40	
evening set	47 Aug 03 j 01:45	13°♌43'12	
inferior conj	47 Aug 07 j 00:33	11°♌20'04	-8°-15'-49
minimum elong	47 Aug 06 j 18:10	11°♌29'51	8°15'14
min. Earth dist.	47 Aug 07 j 10:06	11°♌05'23	0.28383 AU
morning rise	47 Aug 10 j 10:24	9°♌15'33	
direct	47 Aug 28 j 10:20	3°♌11'23	
greatest brilliancy	47 Sep 11 j 22:09	6°♌56'16	-4.6m
	47 Oct 12 j 00:13	0°♍	
asc. node	47 Oct 13 j 11:31	1°♍25'37	
morning max el	47 Oct 17 j 19:32	5°♍44'00	46°41'18
	47 Nov 09 j 08:31	0°♎	
	47 Dec 05 j 02:59	0°♏	
	47 Dec 29 j 23:59	0°♐	
	48 Jan 23 j 13:06	0°♑	
desc. node	48 Feb 02 j 01:20	11°♑40'02	
	48 Feb 16 j 23:43	0°♒	
	48 Mar 12 j 10:01	0°♓	
	48 Apr 05 j 20:48	0°♈	
morning set	48 Apr 21 j 19:49	19°♈34'01	
	48 Apr 30 j 08:01	0°♉	
	48 May 24 j 18:58	0°♊	
asc. node	48 May 25 j 04:32	0°♊29'23	
max. Earth dist.	48 May 27 j 04:28	2°♊56'31	1.73651 AU
superior conj	48 May 28 j 09:11	4°♊24'41	0°07'35
minimum elong	48 May 28 j 07:39	4°♊19'57	0°07'31
behind sun begin	48 May 27 j 11:46	3°♊18'54	
behind sun end	48 May 29 j 03:32	5°♊21'01	
	48 Jun 18 j 04:44	0°♋	
evening rise	48 Jul 03 j 04:01	18°♋26'22	
	48 Jul 12 j 13:03	0°♌	
	48 Aug 05 j 20:36	0°♍	
	48 Aug 30 j 04:48	0°♎	
desc. node	48 Sep 13 j 18:11	17°♎53'42	
	48 Sep 23 j 15:07	0°♏	
	48 Oct 18 j 05:16	0°♐	
	48 Nov 12 j 02:56	0°♑	
	48 Dec 07 j 18:04	0°♒	
evening max el	49 Jan 04 j 02:57	29°♒46'12	46°52'24
	49 Jan 04 j 08:24	0°♓	
asc. node	49 Jan 04 j 21:04	0°♓32'02	
greatest brilliancy	49 Feb 09 j 06:14	28°♓59'51	-4.6m
	49 Feb 11 j 10:59	0°♈	
retrograde	49 Feb 23 j 14:54	2°♈43'57	
	49 Mar 07 j 04:04	30°℞♓	
evening set	49 Mar 13 j 01:58	26°♓46'57	
inferior conj	49 Mar 16 j 20:06	24°♓25'49	7°42'47
minimum elong	49 Mar 17 j 03:44	24°♓13'43	7°41'49
min. Earth dist.	49 Mar 16 j 15:48	24°♓32'39	0.28641 AU
morning rise	49 Mar 21 j 05:50	21°♓42'09	
direct	49 Apr 07 j 03:10	16°♓13'30	
greatest brilliancy	49 Apr 18 j 23:12	18°♓45'04	-4.5m
desc. node	49 Apr 26 j 10:46	22°♓28'37	
	49 May 07 j 10:43	0°♈	
morning max el	49 May 25 j 23:49	16°♈11'49	45°45'58
	49 Jun 08 j 20:30	0°♉	
	49 Jul 06 j 13:18	0°♊	
	49 Aug 01 j 14:27	0°♋	
asc. node	49 Aug 17 j 13:55	18°♋59'52	
	49 Aug 26 j 16:42	0°♌	
	49 Sep 20 j 03:48	0°♍	
	49 Oct 14 j 05:32	0°♎	
	49 Nov 07 j 02:38	0°♏	
morning set	49 Nov 21 j 20:09	18°♏32'52	
	49 Nov 30 j 22:29	0°♐	
desc. node	49 Dec 07 j 03:47	7°♐49'44	
	49 Dec 24 j 19:00	0°♑	
superior conj	50 Jan 02 j 19:11	11°♑18'15	0°-57'-42
minimum elong	50 Jan 02 j 07:23	10°♑41'15	0°57'17
max. Earth dist.	50 Jan 06 j 13:25	16°♑01'08	1.71396 AU
	50 Jan 17 j 17:18	0°♒	
	50 Feb 10 j 18:23	0°♓	
evening rise	50 Feb 12 j 15:04	2°♓18'57	
	50 Mar 06 j 23:30	0°♈	
asc. node	50 Mar 30 j 06:50	28°♈37'03	
	50 Mar 31 j 10:00	0°♉	
	50 Apr 25 j 03:20	0°♊	
	50 May 20 j 05:31	0°♋	
	50 Jun 14 j 20:42	0°♌	
	50 Jul 11 j 10:44	0°♍	
desc. node	50 Jul 19 j 20:19	9°♍06'56	
	50 Aug 09 j 04:29	0°♎	
evening max el	50 Aug 09 j 21:08	0°♎40'24	46°19'41
greatest brilliancy	50 Sep 18 j 00:40	29°♎37'31	-4.6m
	50 Sep 19 j 02:33	0°♏	
retrograde	50 Sep 28 j 10:21	1°♏36'09	
	50 Oct 07 j 09:36	30°℞♎	
evening set	50 Oct 14 j 03:21	26°♎52'10	
inferior conj	50 Oct 19 j 01:37	23°♎57'31	-5°-17'-23
minimum elong	50 Oct 19 j 11:43	23°♎42'09	5°14'46
min. Earth dist.	50 Oct 19 j 16:33	23°♎34'48	0.26678 AU
morning rise	50 Oct 24 j 19:40	20°♎35'05	
direct	50 Nov 08 j 14:38	16°♎16'01	
asc. node	50 Nov 09 j 23:25	16°♎18'16	
greatest brilliancy	50 Nov 21 j 13:43	19°♎23'15	-4.7m
	50 Dec 07 j 23:15	0°♏	
morning max el	50 Dec 29 j 06:50	19°♏40'17	46°54'08

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

	51 Jan 08 j 04:13	0°♐	
	51 Feb 04 j 02:05	0°♑	
desc. node	51 Mar 01 j 13:18	29°♑41'51	
	51 Mar 01 j 19:27	0°♒	
	51 Mar 27 j 01:13	0°♓	
	51 Apr 21 j 01:12	0°♈	
	51 May 15 j 21:16	0°♉	
	51 Jun 09 j 13:28	0°♊	
asc. node	51 Jun 22 j 16:19	16°♊02'26	
morning set	51 Jun 29 j 05:25	24°♊04'21	
	51 Jul 04 j 01:09	0°♋	
	51 Jul 28 j 08:07	0°♌	
max. Earth dist.	51 Jul 31 j 16:53	4°♌10'28	1.72674 AU
superior conj	51 Aug 04 j 15:25	9°♌03'53	1°19'02
minimum elong	51 Aug 04 j 09:24	8°♌45'13	1°18'57
	51 Aug 21 j 11:12	0°♍	
evening rise	51 Sep 10 j 18:38	25°♍20'45	
	51 Sep 14 j 12:04	0°♎	
	51 Oct 08 j 12:25	0°♏	
desc. node	51 Oct 12 j 06:11	4°♏40'07	
	51 Nov 01 j 13:32	0°♐	
	51 Nov 25 j 16:38	0°♑	
	51 Dec 20 j 00:09	0°♒	
	52 Jan 13 j 17:14	0°♓	
asc. node	52 Feb 02 j 08:56	23°♓13'02	
	52 Feb 08 j 06:08	0°♈	
	52 Mar 06 j 14:21	0°♉	
evening max el	52 Mar 16 j 02:37	9°♉34'17	45°39'50
	52 Apr 09 j 00:24	0°♊	
greatest brilliancy	52 Apr 19 j 08:46	6°♊08'30	-4.5m
retrograde	52 May 03 j 22:43	9°♊52'11	
evening set	52 May 19 j 00:57	5°♊29'27	
desc. node	52 May 23 j 22:43	2°♊35'46	
inferior conj	52 May 25 j 10:45	1°♊39'28	0°-21'-4
minimum elong	52 May 25 j 09:58	1°♊40'41	0°20'52
min. Earth dist.	52 May 25 j 15:18	1°♊32'20	0.28987 AU
	52 May 28 j 02:38	30°R♉	
morning rise	52 May 31 j 18:45	27°♉50'42	
direct	52 Jun 16 j 02:28	23°♉20'28	
greatest brilliancy	52 Jun 30 j 00:47	26°♉41'43	-4.5m
	52 Jul 06 j 07:02	0°♊	
morning max el	52 Aug 04 j 02:40	23°♊23'22	45°58'37
	52 Aug 10 j 19:11	0°♋	
	52 Sep 07 j 14:41	0°♌	
asc. node	52 Sep 14 j 01:55	7°♌23'52	
	52 Oct 03 j 07:13	0°♍	
	52 Oct 27 j 23:48	0°♎	
	52 Nov 21 j 04:51	0°♏	
	52 Dec 15 j 05:30	0°♐	
desc. node	53 Jan 03 j 15:30	24°♐16'16	
	53 Jan 08 j 05:32	0°♑	
	53 Feb 01 j 06:40	0°♒	
morning set	53 Feb 07 j 01:20	7°♒11'44	
	53 Feb 25 j 09:44	0°♓	
superior conj	53 Mar 18 j 08:50	25°♓57'51	-1°-15'-51
minimum elong	53 Mar 18 j 17:03	26°♓23'14	1°15'41
max. Earth dist.	53 Mar 21 j 08:08	29°♓38'05	1.72930 AU
	53 Mar 21 j 15:14	0°♈	
	53 Apr 14 j 23:29	0°♉	
evening rise	53 Apr 25 j 03:38	12°♉29'39	
asc. node	53 Apr 26 j 18:47	14°♉29'45	
	53 May 09 j 10:22	0°♊	
	53 Jun 02 j 23:41	0°♋	
	53 Jun 27 j 15:51	0°♌	
	53 Jul 22 j 12:27	0°♍	
desc. node	53 Aug 16 j 08:15	29°♍35'35	
	53 Aug 16 j 16:31	0°♎	
	53 Sep 11 j 09:28	0°♏	
	53 Oct 08 j 04:52	0°♐	
evening max el	53 Oct 22 j 00:14	14°♐28'21	47°21'45
	53 Nov 07 j 09:31	0°♑	
greatest brilliancy	53 Nov 29 j 12:10	15°♑11'03	-4.7m
asc. node	53 Dec 07 j 11:15	17°♑42'42	
retrograde	53 Dec 11 j 23:16	18°♑07'15	
evening set	53 Dec 27 j 05:13	13°♑27'38	
min. Earth dist.	53 Dec 31 j 17:06	10°♑46'46	0.26899 AU
inferior conj	54 Jan 01 j 16:05	10°♑11'12	5°54'17
minimum elong	54 Jan 01 j 05:59	10°♑26'50	5°51'54
morning rise	54 Jan 06 j 07:15	7°♑23'40	
direct	54 Jan 22 j 01:49	2°♑28'01	
greatest brilliancy	54 Feb 01 j 19:44	4°♑37'13	-4.6m
	54 Mar 08 j 15:47	0°♒	
morning max el	54 Mar 12 j 16:39	3°♒53'07	46°18'31
desc. node	54 Mar 29 j 01:06	20°♒35'55	
	54 Apr 06 j 19:10	0°♓	
	54 May 03 j 14:33	0°♈	
	54 May 29 j 11:15	0°♉	
	54 Jun 23 j 18:24	0°♊	
	54 Jul 18 j 14:47	0°♋	
asc. node	54 Jul 20 j 04:07	1°♋53'42	
	54 Aug 12 j 01:43	0°♌	
	54 Sep 05 j 05:08	0°♍	
morning set	54 Sep 06 j 07:34	1°♍22'30	
	54 Sep 29 j 03:45	0°♎	
max. Earth dist.	54 Oct 13 j 17:44	18°♎19'49	1.71221 AU
superior conj	54 Oct 14 j 21:05	19°♎45'53	0°54'32
minimum elong	54 Oct 15 j 07:43	20°♎19'18	0°54'07
	54 Oct 23 j 00:18	0°♏	
desc. node	54 Nov 08 j 18:03	21°♏03'33	
	54 Nov 15 j 20:42	0°♐	
evening rise	54 Nov 25 j 03:08	11°♐38'58	
	54 Dec 09 j 18:05	0°♑	
	55 Jan 02 j 17:40	0°♒	
	55 Jan 26 j 21:28	0°♓	
	55 Feb 20 j 08:43	0°♈	
asc. node	55 Mar 01 j 20:59	11°♈30'52	
	55 Mar 17 j 08:01	0°♉	
	55 Apr 12 j 02:41	0°♊	
	55 May 09 j 09:04	0°♋	
evening max el	55 May 26 j 20:00	17°♋35'33	45°20'54
	55 Jun 09 j 17:12	0°♌	
desc. node	55 Jun 21 j 10:33	8°♌43'07	
greatest brilliancy	55 Jul 02 j 00:25	14°♌24'23	-4.5m
retrograde	55 Jul 14 j 09:44	17°♌05'19	
evening set	55 Jul 31 j 13:20	11°♌34'34	
inferior conj	55 Aug 04 j 15:31	9°♌06'07	-8°-8'-18
minimum elong	55 Aug 04 j 08:32	9°♌16'53	8°07'35
min. Earth dist.	55 Aug 05 j 00:06	8°♌52'53	0.28425 AU
morning rise	55 Aug 08 j 03:33	6°♌58'08	
direct	55 Aug 26 j 02:21	0°♌57'01	
greatest brilliancy	55 Sep 09 j 12:34	4°♌39'55	-4.6m
	55 Oct 12 j 00:03	0°♍	
asc. node	55 Oct 12 j 13:39	0°♍33'31	
morning max el	55 Oct 15 j 10:25	3°♍25'08	46°39'53
	55 Nov 09 j 00:59	0°♎	
	55 Dec 04 j 16:58	0°♏	
	55 Dec 29 j 12:45	0°♐	
	56 Jan 23 j 01:06	0°♑	
desc. node	56 Feb 01 j 03:28	11°♑10'19	
	56 Feb 16 j 11:13	0°♒	
	56 Mar 11 j 21:10	0°♓	

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

	56 Apr 05 j 07:42	0°♈	
morning set	56 Apr 19 j 13:13	17°♈27'16	
	56 Apr 29 j 18:44	0°♉	
asc. node	56 May 24 j 06:33	0°♊03'00	
	56 May 24 j 05:35	0°♊	
max. Earth dist.	56 May 25 j 02:53	1°♊05'23	1.73651 AU
superior conj	56 May 26 j 03:37	2°♊21'19	0°04'29
minimum elong	56 May 26 j 02:42	2°♊18'30	0°04'26
behind sun begin	56 May 25 j 05:04	1°♊12'04	
behind sun end	56 May 27 j 00:20	3°♊24'56	
	56 Jun 17 j 15:21	0°♋	
evening rise	56 Jun 30 j 23:06	16°♋24'18	
	56 Jul 11 j 23:47	0°♌	
	56 Aug 05 j 07:37	0°♍	
	56 Aug 29 j 16:12	0°♎	
desc. node	56 Sep 12 j 20:21	17°♎24'31	
	56 Sep 23 j 03:03	0°♏	
	56 Oct 17 j 17:55	0°♐	
	56 Nov 11 j 16:44	0°♑	
	56 Dec 07 j 10:04	0°♒	
evening max el	57 Jan 01 j 18:16	27°♒28'24	46°54'44
asc. node	57 Jan 03 j 23:08	29°♒41'39	
	57 Jan 04 j 06:29	0°♓	
greatest brilliancy	57 Feb 07 j 00:45	26°♓49'02	-4.6m
	57 Feb 16 j 05:04	0°♈	
retrograde	57 Feb 21 j 06:52	0°♈30'12	
	57 Feb 26 j 05:38	30°℞♓	
evening set	57 Mar 10 j 20:13	24°♓30'10	
inferior conj	57 Mar 14 j 11:57	22°♓12'26	7°51'41
minimum elong	57 Mar 14 j 19:06	22°♓01'06	7°50'52
min. Earth dist.	57 Mar 14 j 06:45	22°♓20'43	0.28603 AU
morning rise	57 Mar 18 j 18:17	19°♓33'33	
direct	57 Apr 04 j 18:34	14°♓01'01	
greatest brilliancy	57 Apr 16 j 11:35	16°♓29'22	-4.5m
desc. node	57 Apr 25 j 12:52	21°♓08'24	
	57 May 07 j 20:51	0°♈	
morning max el	57 May 23 j 14:39	13°♈59'01	45°46'20
	57 Jun 08 j 14:31	0°♉	
	57 Jul 06 j 03:27	0°♊	
	57 Aug 01 j 02:58	0°♋	
asc. node	57 Aug 16 j 16:07	18°♋30'31	
	57 Aug 26 j 04:25	0°♌	
	57 Sep 19 j 15:07	0°♍	
	57 Oct 13 j 16:40	0°♎	
	57 Nov 06 j 13:42	0°♏	
morning set	57 Nov 19 j 06:32	15°♏59'40	
	57 Nov 30 j 09:30	0°♐	
desc. node	57 Dec 06 j 05:46	7°♐21'17	
	57 Dec 24 j 06:00	0°♑	
superior conj	57 Dec 31 j 04:50	8°♑43'35	0°-54'-42
minimum elong	57 Dec 30 j 17:12	8°♑07'04	0°54'16
max. Earth dist.	58 Jan 03 j 19:59	13°♑16'52	1.71353 AU
	58 Jan 17 j 04:15	0°♒	
evening rise	58 Feb 10 j 02:50	29°♒52'17	
	58 Feb 10 j 05:19	0°♓	
	58 Mar 06 j 10:28	0°♈	
asc. node	58 Mar 29 j 08:57	28°♈09'31	
	58 Mar 30 j 21:09	0°♉	
	58 Apr 24 j 14:52	0°♊	
	58 May 19 j 17:47	0°♋	
	58 Jun 14 j 10:19	0°♌	
	58 Jul 11 j 03:03	0°♍	
desc. node	58 Jul 18 j 22:27	8°♍25'27	
evening max el	58 Aug 07 j 09:10	28°♍16'22	46°17'01
	58 Aug 09 j 04:18	0°♎	
greatest brilliancy	58 Sep 15 j 13:59	27°♎12'50	-4.6m
retrograde	58 Sep 25 j 21:51	29°♎10'12	
evening set	58 Oct 11 j 18:49	24°♎21'31	
inferior conj	58 Oct 16 j 14:06	21°♎31'21	-5°-36'-11
minimum elong	58 Oct 17 j 00:28	21°♎15'34	5°33'37
min. Earth dist.	58 Oct 17 j 06:24	21°♎06'34	0.26729 AU
morning rise	58 Oct 22 j 05:36	18°♎12'09	
direct	58 Nov 06 j 03:07	13°♎48'38	
asc. node	58 Nov 09 j 01:23	13°♎58'53	
greatest brilliancy	58 Nov 19 j 05:49	16°♎59'24	-4.7m
	58 Dec 08 j 12:00	0°♏	
morning max el	58 Dec 26 j 19:51	17°♏13'12	46°54'39
	59 Jan 07 j 23:42	0°♐	
	59 Feb 03 j 17:23	0°♑	
desc. node	59 Feb 28 j 15:26	29°♑08'28	
	59 Mar 01 j 08:51	0°♒	
	59 Mar 26 j 13:33	0°♓	
	59 Apr 20 j 12:49	0°♈	
	59 May 15 j 08:25	0°♉	
	59 Jun 09 j 00:22	0°♊	
asc. node	59 Jun 21 j 18:22	15°♊35'30	
morning set	59 Jun 26 j 23:22	21°♊58'54	
	59 Jul 03 j 11:56	0°♋	
	59 Jul 27 j 18:54	0°♌	
max. Earth dist.	59 Jul 29 j 12:01	2°♌07'30	1.72726 AU
superior conj	59 Aug 02 j 08:54	6°♌55'39	1°17'50
minimum elong	59 Aug 02 j 02:25	6°♌35'31	1°17'43
	59 Aug 20 j 22:03	0°♍	
evening rise	59 Sep 08 j 09:28	23°♍03'04	
	59 Sep 13 j 23:03	0°♎	
	59 Oct 07 j 23:36	0°♏	
desc. node	59 Oct 11 j 08:13	4°♏11'32	
	59 Nov 01 j 00:58	0°♐	
	59 Nov 25 j 04:24	0°♑	
	59 Dec 19 j 12:23	0°♒	
	60 Jan 13 j 06:17	0°♓	
asc. node	60 Feb 01 j 11:05	22°♓38'01	
	60 Feb 07 j 20:53	0°♈	
	60 Mar 06 j 09:30	0°♉	
evening max el	60 Mar 13 j 17:47	7°♉20'59	45°41'54
	60 Apr 09 j 22:04	0°♊	
greatest brilliancy	60 Apr 16 j 23:01	3°♊57'10	-4.5m
retrograde	60 May 01 j 15:32	7°♊44'06	
evening set	60 May 16 j 18:04	3°♊19'48	
	60 May 22 j 08:32	30°℞♉	
inferior conj	60 May 23 j 03:12	29°♉30'49	0°-1'-28
minimum elong	60 May 23 j 03:09	29°♉30'54	0°01'27
transit middle	60 May 23 j 03:09	29°♉30'54	0°01'27
transit begin	60 May 22 j 23:06	29°♉37'13	
transit end	60 May 23 j 07:12	29°♉24'34	
desc. node	60 May 23 j 00:40	29°♉34'47	
min. Earth dist.	60 May 23 j 07:53	29°♉23'30	0.28993 AU
morning rise	60 May 29 j 12:02	25°♉41'07	
direct	60 Jun 13 j 18:43	21°♉11'30	
greatest brilliancy	60 Jun 27 j 17:16	24°♉33'16	-4.5m
	60 Jul 07 j 09:05	0°♊	
morning max el	60 Aug 01 j 19:16	21°♊14'04	45°57'31
	60 Aug 10 j 14:53	0°♋	
	60 Sep 07 j 05:39	0°♌	
asc. node	60 Sep 13 j 03:57	6°♌48'13	
	60 Oct 02 j 20:22	0°♍	
	60 Oct 27 j 12:04	0°♎	
	60 Nov 20 j 16:38	0°♏	
	60 Dec 14 j 16:59	0°♐	
desc. node	61 Jan 02 j 17:40	23°♐47'40	
	61 Jan 07 j 16:49	0°♑	

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

	61 Jan 31 j 17:47	0°♒	
morning set	61 Feb 04 j 13:06	4°♒44'24	
	61 Feb 24 j 20:42	0°♓	
superior conj	61 Mar 15 j 23:52	23°♓42'12	-1°-17'-23
minimum elong	61 Mar 16 j 07:38	24°♓06'14	1°17'14
max. Earth dist.	61 Mar 18 j 23:54	27°♓24'49	1.72884 AU
	61 Mar 21 j 02:08	0°♈	
	61 Apr 14 j 10:22	0°♉	
evening rise	61 Apr 22 j 20:54	10°♉21'58	
asc. node	61 Apr 25 j 20:44	14°♉02'18	
	61 May 08 j 21:21	0°♊	
	61 Jun 02 j 10:53	0°♋	
	61 Jun 27 j 03:28	0°♌	
	61 Jul 22 j 00:47	0°♍	
desc. node	61 Aug 15 j 10:23	29°♍02'17	
	61 Aug 16 j 05:58	0°♎	
	61 Sep 11 j 00:50	0°♏	
	61 Oct 08 j 00:15	0°♐	
evening max el	61 Oct 19 j 15:22	12°♐07'01	47°21'03
	61 Nov 07 j 19:58	0°♑	
greatest brilliancy	61 Nov 27 j 02:38	12°♑44'59	-4.7m
asc. node	61 Dec 06 j 13:19	15°♑29'15	
retrograde	61 Dec 09 j 13:33	15°♑40'20	
evening set	61 Dec 24 j 15:40	11°♑05'12	
min. Earth dist.	61 Dec 29 j 06:22	8°♑20'29	0.26839 AU
inferior conj	61 Dec 30 j 05:13	7°♑45'10	5°36'52
minimum elong	61 Dec 29 j 19:16	8°♑00'34	5°34'25
morning rise	62 Jan 03 j 23:27	4°♑53'47	
direct	62 Jan 19 j 15:01	0°♑03'00	
greatest brilliancy	62 Jan 30 j 08:17	2°♑12'16	-4.6m
	62 Mar 08 j 16:13	0°♒	
morning max el	62 Mar 10 j 07:25	1°♒35'20	46°19'55
desc. node	62 Mar 28 j 03:12	19°♒53'05	
	62 Apr 06 j 11:46	0°♓	
	62 May 03 j 04:26	0°♈	
	62 May 28 j 23:48	0°♉	
	62 Jun 23 j 06:12	0°♊	
	62 Jul 18 j 02:08	0°♋	
asc. node	62 Jul 19 j 06:19	1°♋25'52	
	62 Aug 11 j 12:50	0°♌	
morning set	62 Sep 03 j 22:40	29°♌05'18	
	62 Sep 04 j 16:11	0°♍	
	62 Sep 28 j 14:51	0°♎	
max. Earth dist.	62 Oct 11 j 00:34	15°♎35'22	1.71252 AU
superior conj	62 Oct 12 j 09:11	17°♎17'56	0°57'21
minimum elong	62 Oct 12 j 19:53	17°♎51'33	0°56'59
	62 Oct 22 j 11:29	0°♏	
desc. node	62 Nov 07 j 20:02	20°♏34'30	
	62 Nov 15 j 07:57	0°♐	
evening rise	62 Nov 22 j 12:51	9°♐03'16	
	62 Dec 09 j 05:25	0°♑	
	63 Jan 02 j 05:04	0°♒	
	63 Jan 26 j 09:02	0°♓	
	63 Feb 19 j 20:40	0°♈	
asc. node	63 Feb 28 j 23:03	11°♈00'29	
	63 Mar 16 j 20:42	0°♉	
	63 Apr 11 j 16:55	0°♊	
	63 May 09 j 03:00	0°♋	
evening max el	63 May 24 j 11:46	15°♋24'06	45°20'06
	63 Jun 10 j 02:14	0°♌	
desc. node	63 Jun 20 j 12:44	7°♌25'41	
greatest brilliancy	63 Jun 29 j 13:37	12°♌09'16	-4.5m
retrograde	63 Jul 12 j 00:02	14°♌51'18	
evening set	63 Jul 29 j 00:59	9°♌25'29	
inferior conj	63 Aug 02 j 06:38	6°♌51'42	-8°00'-6
minimum elong	63 Aug 01 j 23:05	7°♌03'22	7°59'13
min. Earth dist.	63 Aug 02 j 14:38	6°♌39'21	0.28465 AU
morning rise	63 Aug 05 j 20:59	4°♌39'57	
	63 Aug 15 j 16:12	30°℞♋	
direct	63 Aug 23 j 18:03	28°♋42'09	
	63 Sep 01 j 01:59	0°♌	
greatest brilliancy	63 Sep 07 j 02:54	2°♌22'45	-4.6m
asc. node	63 Oct 11 j 15:42	29°♌41'16	
	63 Oct 11 j 23:12	0°♍	
morning max el	63 Oct 13 j 00:15	1°♍02'54	46°38'23
	63 Nov 08 j 17:29	0°♎	
	63 Dec 04 j 07:08	0°♏	
	63 Dec 29 j 01:45	0°♐	
	64 Jan 22 j 13:22	0°♑	
desc. node	64 Jan 31 j 05:34	10°♑39'40	
	64 Feb 15 j 22:58	0°♒	
	64 Mar 11 j 08:32	0°♓	
	64 Apr 04 j 18:48	0°♈	
morning set	64 Apr 17 j 06:51	15°♈20'29	
	64 Apr 29 j 05:40	0°♉	
max. Earth dist.	64 May 23 j 00:09	29°♉10'00	1.73655 AU
asc. node	64 May 23 j 08:38	29°♉36'00	
superior conj	64 May 23 j 22:10	0°♊17'33	0°01'21
minimum elong	64 May 23 j 21:54	0°♊16'44	0°01'20
behind sun begin	64 May 22 j 23:37	29°♉08'19	
behind sun end	64 May 24 j 20:11	1°♊25'10	
	64 May 23 j 16:27	0°♊	
	64 Jun 17 j 02:16	0°♋	
evening rise	64 Jun 28 j 18:11	14°♋21'24	
	64 Jul 11 j 10:52	0°♌	
	64 Aug 04 j 18:58	0°♍	
	64 Aug 29 j 03:57	0°♎	
desc. node	64 Sep 11 j 22:19	16°♎53'44	
	64 Sep 22 j 15:20	0°♏	
	64 Oct 17 j 06:59	0°♐	
	64 Nov 11 j 07:01	0°♑	
	64 Dec 07 j 02:44	0°♒	
evening max el	64 Dec 30 j 08:50	25°♒07'26	46°57'01
asc. node	65 Jan 03 j 01:21	28°♒49'36	
	65 Jan 04 j 05:56	0°♓	
greatest brilliancy	65 Feb 04 j 19:11	24°♓36'57	-4.6m
retrograde	65 Feb 18 j 22:38	28°♓15'40	
evening set	65 Mar 08 j 14:23	22°♓12'50	
inferior conj	65 Mar 12 j 03:53	19°♓58'28	7°59'55
minimum elong	65 Mar 12 j 10:29	19°♓47'57	7°59'12
min. Earth dist.	65 Mar 11 j 22:05	20°♓07'42	0.28560 AU
morning rise	65 Mar 16 j 06:52	17°♓24'18	
direct	65 Apr 02 j 09:25	11°♓47'50	
greatest brilliancy	65 Apr 14 j 00:42	14°♓13'55	-4.5m
desc. node	65 Apr 24 j 14:49	19°♓49'53	
	65 May 08 j 04:28	0°♈	
morning max el	65 May 21 j 05:09	11°♈44'48	45°46'49
	65 Jun 08 j 08:20	0°♉	
	65 Jul 05 j 17:43	0°♊	
	65 Jul 31 j 15:42	0°♋	
asc. node	65 Aug 15 j 18:08	17°♋59'45	
	65 Aug 25 j 16:25	0°♌	
	65 Sep 19 j 02:45	0°♍	
	65 Oct 13 j 04:06	0°♎	
	65 Nov 06 j 01:02	0°♏	
morning set	65 Nov 16 j 16:55	13°♏25'35	
	65 Nov 29 j 20:47	0°♐	
desc. node	65 Dec 05 j 07:53	6°♐52'28	
	65 Dec 23 j 17:15	0°♑	
superior conj	65 Dec 28 j 14:24	6°♑07'43	0°-51'-33

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

minimum elong	65 Dec 28 j 03:00	5°♑31'55	0°51'07
max. Earth dist.	65 Dec 31 j 23:59	10°♑23'39	1.71315 AU
	66 Jan 16 j 15:31	0°♒	
evening rise	66 Feb 07 j 14:34	27°♒24'29	
	66 Feb 09 j 16:34	0°♓	
	66 Mar 05 j 21:45	0°♈	
asc. node	66 Mar 28 j 10:57	27°♈40'50	
	66 Mar 30 j 08:34	0°♉	
	66 Apr 24 j 02:39	0°♊	
	66 May 19 j 06:18	0°♋	
	66 Jun 14 j 00:14	0°♌	
	66 Jul 10 j 19:56	0°♍	
desc. node	66 Jul 18 j 00:32	7°♍42'34	
evening max el	66 Aug 04 j 21:24	25°♍52'13	46°14'16
	66 Aug 09 j 05:39	0°♎	
greatest brilliancy	66 Sep 13 j 02:15	24°♎46'14	-4.6m
retrograde	66 Sep 23 j 09:46	26°♎43'34	
evening set	66 Oct 09 j 10:19	21°♎49'46	
inferior conj	66 Oct 14 j 02:33	19°♎04'10	-5°-54'-19
minimum elong	66 Oct 14 j 13:07	18°♎48'09	5°51'48
min. Earth dist.	66 Oct 14 j 19:56	18°♎37'48	0.26785 AU
morning rise	66 Oct 19 j 15:21	15°♎48'49	
direct	66 Nov 03 j 16:00	11°♎20'14	
asc. node	66 Nov 08 j 03:28	11°♎44'05	
greatest brilliancy	66 Nov 16 j 22:02	14°♎34'59	-4.7m
	66 Dec 08 j 21:53	0°♏	
morning max el	66 Dec 24 j 09:44	14°♏47'35	46°55'08
	67 Jan 07 j 18:56	0°♐	
	67 Feb 03 j 08:43	0°♑	
desc. node	67 Feb 27 j 17:24	28°♑34'07	
	67 Feb 28 j 22:23	0°♒	
	67 Mar 26 j 02:01	0°♓	
	67 Apr 20 j 00:36	0°♈	
	67 May 14 j 19:45	0°♉	
	67 Jun 08 j 11:24	0°♊	
asc. node	67 Jun 20 j 20:34	15°♊08'42	
morning set	67 Jun 24 j 17:44	19°♊54'23	
	67 Jul 02 j 22:51	0°♋	
	67 Jul 27 j 05:48	0°♌	
max. Earth dist.	67 Jul 27 j 08:45	0°♌09'08	1.72780 AU
superior conj	67 Jul 31 j 02:40	4°♌48'00	1°16'32
minimum elong	67 Jul 30 j 19:45	4°♌26'32	1°16'23
	67 Aug 20 j 09:03	0°♍	
evening rise	67 Sep 06 j 00:33	20°♍45'40	
	67 Sep 13 j 10:13	0°♎	
	67 Oct 07 j 11:00	0°♏	
desc. node	67 Oct 10 j 10:14	3°♏42'09	
	67 Oct 31 j 12:39	0°♐	
	67 Nov 24 j 16:26	0°♑	
	67 Dec 19 j 00:53	0°♒	
	68 Jan 12 j 19:38	0°♓	
asc. node	68 Jan 31 j 13:05	22°♓01'48	
	68 Feb 07 j 12:00	0°♈	
	68 Mar 06 j 05:25	0°♉	
evening max el	68 Mar 11 j 09:51	5°♉09'26	45°44'02
	68 Apr 11 j 04:25	0°♊	
greatest brilliancy	68 Apr 14 j 14:24	1°♊47'03	-4.5m
retrograde	68 Apr 29 j 08:43	5°♊35'46	
evening set	68 May 14 j 11:27	1°♊10'01	
	68 May 16 j 12:38	30°℞♉	
inferior conj	68 May 20 j 19:42	27°♉21'59	0°18'12
minimum elong	68 May 20 j 20:23	27°♉20'57	0°18'00
min. Earth dist.	68 May 21 j 00:13	27°♉14'56	0.28994 AU
desc. node	68 May 22 j 02:50	26°♉33'22	
morning rise	68 May 27 j 05:13	23°♉31'39	
direct	68 Jun 11 j 11:27	19°♉02'41	
greatest brilliancy	68 Jun 25 j 08:49	22°♉23'49	-4.5m
	68 Jul 08 j 04:08	0°♊	
morning max el	68 Jul 30 j 12:14	19°♊05'58	45°56'27
	68 Aug 10 j 09:57	0°♋	
	68 Sep 06 j 20:23	0°♌	
asc. node	68 Sep 12 j 05:59	6°♌12'54	
	68 Oct 02 j 09:26	0°♍	
	68 Oct 27 j 00:20	0°♎	
	68 Nov 20 j 04:30	0°♏	
	68 Dec 14 j 04:36	0°♐	
desc. node	69 Jan 01 j 19:48	23°♐18'35	
	69 Jan 07 j 04:13	0°♑	
	69 Jan 31 j 04:59	0°♒	
morning set	69 Feb 02 j 00:23	2°♒15'13	
	69 Feb 24 j 07:45	0°♓	
superior conj	69 Mar 13 j 14:29	21°♓25'00	-1°-18'-48
minimum elong	69 Mar 13 j 21:44	21°♓47'27	1°18'41
max. Earth dist.	69 Mar 16 j 17:13	25°♓16'06	1.72835 AU
	69 Mar 20 j 13:05	0°♈	
	69 Apr 13 j 21:19	0°♉	
evening rise	69 Apr 20 j 14:00	8°♉13'32	
asc. node	69 Apr 24 j 22:52	13°♉35'15	
	69 May 08 j 08:22	0°♊	
	69 Jun 01 j 22:07	0°♋	
	69 Jun 26 j 15:06	0°♌	
	69 Jul 21 j 13:04	0°♍	
desc. node	69 Aug 14 j 12:23	28°♍28'45	
	69 Aug 15 j 19:23	0°♎	
	69 Sep 10 j 16:17	0°♏	
	69 Oct 07 j 20:08	0°♐	
evening max el	69 Oct 17 j 06:44	9°♐46'21	47°19'52
	69 Nov 08 j 10:05	0°♑	
greatest brilliancy	69 Nov 24 j 17:21	10°♑18'23	-4.7m
asc. node	69 Dec 05 j 15:29	13°♑08'58	
retrograde	69 Dec 07 j 03:13	13°♑11'41	
evening set	69 Dec 22 j 01:54	8°♑41'12	
min. Earth dist.	69 Dec 26 j 19:31	5°♑52'18	0.26783 AU
inferior conj	69 Dec 27 j 17:59	5°♑17'37	5°18'22
minimum elong	69 Dec 27 j 08:15	5°♑32'38	5°15'53
morning rise	70 Jan 01 j 15:15	2°♑22'10	
	70 Jan 06 j 08:29	30°℞♐	
direct	70 Jan 17 j 03:59	27°♐36'34	
greatest brilliancy	70 Jan 27 j 20:37	29°♐45'38	-4.6m
	70 Jan 28 j 11:17	0°♑	
morning max el	70 Mar 07 j 21:11	29°♑14'27	46°21'23
	70 Mar 08 j 15:44	0°♒	
desc. node	70 Mar 27 j 05:13	19°♒10'21	
	70 Apr 06 j 04:08	0°♓	
	70 May 02 j 18:09	0°♈	
	70 May 28 j 12:12	0°♉	
	70 Jun 22 j 17:51	0°♊	
	70 Jul 17 j 13:21	0°♋	
asc. node	70 Jul 18 j 08:18	0°♋57'46	
	70 Aug 10 j 23:49	0°♌	
morning set	70 Sep 01 j 14:12	26°♌50'03	
	70 Sep 04 j 03:04	0°♍	
	70 Sep 28 j 01:45	0°♎	
max. Earth dist.	70 Oct 08 j 06:42	12°♎49'30	1.71286 AU
superior conj	70 Oct 09 j 21:54	14°♎52'44	1°00'02
minimum elong	70 Oct 10 j 08:34	15°♎26'14	0°59'40
	70 Oct 21 j 22:27	0°♏	
desc. node	70 Nov 06 j 22:12	20°♏06'40	
	70 Nov 14 j 19:01	0°♐	
evening rise	70 Nov 19 j 22:48	6°♐28'51	
	70 Dec 08 j 16:35	0°♑	

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

	71 Jan 01 j 16:23	0°♒		
	71 Jan 25 j 20:35	0°♓		
	71 Feb 19 j 08:35	0°♈		
asc. node	71 Feb 28 j 01:02	10°♈29'58		
	71 Mar 16 j 09:23	0°♉		
	71 Apr 11 j 07:11	0°♊		
	71 May 08 j 21:14	0°♋		
evening max el	71 May 22 j 02:34	13°♋10'40	45°19'27	
	71 Jun 10 j 14:12	0°♌		
desc. node	71 Jun 19 j 14:48	6°♌05'59		
greatest brilliancy	71 Jun 27 j 02:53	9°♌54'37	-4.5m	
retrograde	71 Jul 09 j 14:05	12°♌38'02		
evening set	71 Jul 26 j 12:33	7°♌17'02		
inferior conj	71 Jul 30 j 21:45	4°♌38'03	-7°-51'-9	
minimum elong	71 Jul 30 j 13:41	4°♌50'31	7°50'08	
min. Earth dist.	71 Jul 31 j 05:29	4°♌26'05	0.28500 AU	
morning rise	71 Aug 03 j 14:34	2°♌22'24		
	71 Aug 07 j 21:37	30°℞♋		
direct	71 Aug 21 j 09:16	26°♋27'56		
	71 Sep 04 j 11:48	0°♌		
greatest brilliancy	71 Sep 04 j 18:06	0°♌07'29	-4.6m	
morning max el	71 Oct 10 j 13:30	28°♌40'13	46°37'10	
asc. node	71 Oct 10 j 17:45	28°♌50'55		
	71 Oct 11 j 21:04	0°♍		
	71 Nov 08 j 09:20	0°♎		
	71 Dec 03 j 20:49	0°♏		
	71 Dec 28 j 14:20	0°♐		
	72 Jan 22 j 01:19	0°♑		
desc. node	72 Jan 30 j 07:32	10°♑09'25		
	72 Feb 15 j 10:28	0°♒		
	72 Mar 10 j 19:43	0°♓		
	72 Apr 04 j 05:44	0°♈		
morning set	72 Apr 14 j 23:52	13°♈12'14		
	72 Apr 28 j 16:25	0°♉		
max. Earth dist.	72 May 20 j 20:05	27°♉11'08	1.73655 AU	
superior conj	72 May 21 j 16:19	28°♉13'13	0°-1'-50	
minimum elong	72 May 21 j 16:40	28°♉14'18	0°01'49	
behind sun begin	72 May 20 j 18:23	27°♉05'55		
behind sun end	72 May 22 j 14:56	29°♉22'41		
asc. node	72 May 22 j 10:46	29°♉09'53		
	72 May 23 j 03:06	0°♊		
	72 Jun 16 j 12:57	0°♋		
evening rise	72 Jun 26 j 13:03	12°♋18'35		
	72 Jul 10 j 21:43	0°♌		
	72 Aug 04 j 06:06	0°♍		
	72 Aug 28 j 15:29	0°♎		
desc. node	72 Sep 11 j 00:23	16°♎23'57		
	72 Sep 22 j 03:22	0°♏		
	72 Oct 16 j 19:45	0°♐		
	72 Nov 10 j 21:00	0°♑		
	72 Dec 06 j 19:13	0°♒		
evening max el	72 Dec 27 j 22:37	22°♒45'35	46°59'08	
asc. node	73 Jan 02 j 03:16	27°♒57'06		
	73 Jan 04 j 05:56	0°♓		
greatest brilliancy	73 Feb 02 j 12:16	22°♓23'41	-4.6m	
retrograde	73 Feb 16 j 14:10	26°♓01'38		
evening set	73 Mar 06 j 08:11	19°♓55'55		
inferior conj	73 Mar 09 j 19:41	17°♓44'47	8°07'18	
minimum elong	73 Mar 10 j 01:42	17°♓35'12	8°06'43	
min. Earth dist.	73 Mar 09 j 13:22	17°♓54'49	0.28524 AU	
morning rise	73 Mar 13 j 19:27	15°♓15'21		
direct	73 Mar 31 j 00:00	9°♓34'39		
greatest brilliancy	73 Apr 11 j 15:01	12°♓00'05	-4.5m	
desc. node	73 Apr 23 j 16:59	18°♓34'28		
	73 May 08 j 09:38	0°♈		
morning max el	73 May 18 j 19:55	9°♈31'37	45°47'22	
	73 Jun 08 j 01:31	0°♉		
	73 Jul 05 j 07:33	0°♊		
	73 Jul 31 j 04:05	0°♋		
asc. node	73 Aug 14 j 20:09	17°♋29'59		
	73 Aug 25 j 04:04	0°♌		
	73 Sep 18 j 14:02	0°♍		
	73 Oct 12 j 15:12	0°♎		
	73 Nov 05 j 12:01	0°♏		
morning set	73 Nov 14 j 03:41	10°♏53'50		
	73 Nov 29 j 07:42	0°♐		
desc. node	73 Dec 04 j 09:59	6°♐24'48		
	73 Dec 23 j 04:07	0°♑		
superior conj	73 Dec 26 j 00:18	3°♑34'05	0°-48'-19	
minimum elong	73 Dec 25 j 13:14	2°♑59'20	0°47'54	
max. Earth dist.	73 Dec 29 j 04:40	7°♑33'46	1.71276 AU	
	74 Jan 16 j 02:20	0°♒		
evening rise	74 Feb 05 j 02:34	24°♒58'48		
	74 Feb 09 j 03:23	0°♓		
	74 Mar 05 j 08:37	0°♈		
asc. node	74 Mar 27 j 13:03	27°♈13'29		
	74 Mar 29 j 19:39	0°♉		
	74 Apr 23 j 14:10	0°♊		
	74 May 18 j 18:37	0°♋		
	74 Jun 13 j 14:02	0°♌		
	74 Jul 10 j 12:51	0°♍		
desc. node	74 Jul 17 j 02:31	6°♍59'38		
evening max el	74 Aug 02 j 10:10	23°♍30'30	46°11'39	
	74 Aug 09 j 08:01	0°♎		
greatest brilliancy	74 Sep 10 j 13:21	22°♎19'30	-4.6m	
retrograde	74 Sep 20 j 22:06	24°♎17'49		
evening set	74 Oct 07 j 01:49	19°♎18'43		
inferior conj	74 Oct 11 j 14:53	16°♎37'40	-6°-11'-46	
minimum elong	74 Oct 12 j 01:34	16°♎21'28	6°09'19	
min. Earth dist.	74 Oct 12 j 08:56	16°♎10'19	0.26841 AU	
morning rise	74 Oct 17 j 00:47	13°♎26'35		
direct	74 Nov 01 j 05:20	8°♎52'40		
asc. node	74 Nov 07 j 05:38	9°♎35'25		
greatest brilliancy	74 Nov 14 j 13:38	12°♎10'43	-4.7m	
	74 Dec 09 j 04:44	0°♏		
morning max el	74 Dec 22 j 00:19	12°♏24'48	46°55'44	
	75 Jan 07 j 13:16	0°♐		
	75 Feb 02 j 23:25	0°♑		
desc. node	75 Feb 26 j 19:30	28°♑01'39		
	75 Feb 28 j 11:22	0°♒		
	75 Mar 25 j 14:00	0°♓		
	75 Apr 19 j 11:57	0°♈		
	75 May 14 j 06:43	0°♉		
	75 Jun 07 j 22:09	0°♊		
asc. node	75 Jun 19 j 22:31	14°♊42'00		
morning set	75 Jun 22 j 11:53	17°♊50'05		
	75 Jul 02 j 09:29	0°♋		
max. Earth dist.	75 Jul 25 j 04:19	28°♋08'06	1.72830 AU	
	75 Jul 26 j 16:26	0°♌		
superior conj	75 Jul 28 j 20:10	2°♌40'22	1°15'05	
minimum elong	75 Jul 28 j 12:51	2°♌17'41	1°14'56	
	75 Aug 19 j 19:46	0°♍		
evening rise	75 Sep 03 j 15:29	18°♍28'40		
	75 Sep 12 j 21:07	0°♎		
	75 Oct 06 j 22:09	0°♏		
desc. node	75 Oct 09 j 12:22	3°♏13'58		
	75 Oct 31 j 00:06	0°♐		
	75 Nov 24 j 04:12	0°♑		
	75 Dec 18 j 13:08	0°♒		
	76 Jan 12 j 08:42	0°♓		
asc. node	76 Jan 30 j 15:09	21°♓26'39		

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

	76 Feb 07 j 02:53	0°♈	
	76 Mar 06 j 01:27	0°♉	
evening max el	76 Mar 09 j 02:21	3°♉00'10	45°46'12
greatest brilliancy	76 Apr 12 j 06:45	29°♉39'29	-4.5m
	76 Apr 13 j 00:08	0°♊	
retrograde	76 Apr 27 j 01:47	3°♊28'31	
	76 May 10 j 08:34	30°R♉	
evening set	76 May 12 j 05:05	29°♉01'22	
inferior conj	76 May 18 j 12:17	25°♉14'18	0°37'46
minimum elong	76 May 18 j 13:40	25°♉12'08	0°37'22
min. Earth dist.	76 May 18 j 16:32	25°♉07'38	0.28998 AU
desc. node	76 May 21 j 04:53	23°♉33'54	
morning rise	76 May 24 j 22:17	21°♉23'20	
direct	76 Jun 09 j 04:33	16°♉55'02	
greatest brilliancy	76 Jun 22 j 23:37	20°♉14'14	-4.5m
	76 Jul 08 j 17:59	0°♊	
morning max el	76 Jul 28 j 04:48	16°♊57'34	45°55'15
	76 Aug 10 j 04:20	0°♋	
	76 Sep 06 j 10:47	0°♌	
asc. node	76 Sep 11 j 08:08	5°♌38'34	
	76 Oct 01 j 22:15	0°♍	
	76 Oct 26 j 12:22	0°♎	
	76 Nov 19 j 16:07	0°♏	
	76 Dec 13 j 15:58	0°♐	
desc. node	76 Dec 31 j 21:42	22°♐49'31	
	77 Jan 06 j 15:23	0°♑	
morning set	77 Jan 30 j 11:42	29°♑46'42	
	77 Jan 30 j 15:58	0°♒	
	77 Feb 23 j 18:34	0°♓	
superior conj	77 Mar 11 j 05:12	19°♓08'46	-1°-20'-4
minimum elong	77 Mar 11 j 11:55	19°♓29'32	1°19'59
max. Earth dist.	77 Mar 14 j 12:32	23°♓14'14	1.72782 AU
	77 Mar 19 j 23:47	0°♈	
	77 Apr 13 j 08:00	0°♉	
evening rise	77 Apr 18 j 07:15	6°♉06'21	
asc. node	77 Apr 24 j 00:59	13°♉08'57	
	77 May 07 j 19:09	0°♊	
	77 Jun 01 j 09:09	0°♋	
	77 Jun 26 j 02:35	0°♌	
	77 Jul 21 j 01:20	0°♍	
desc. node	77 Aug 13 j 14:26	27°♍55'24	
	77 Aug 15 j 08:52	0°♎	
	77 Sep 10 j 07:55	0°♏	
	77 Oct 07 j 16:35	0°♐	
evening max el	77 Oct 14 j 21:31	7°♐24'22	47°18'39
	77 Nov 09 j 04:46	0°♑	
greatest brilliancy	77 Nov 22 j 08:57	7°♑53'05	-4.7m
retrograde	77 Dec 04 j 16:22	10°♑43'05	
asc. node	77 Dec 04 j 17:26	10°♑43'04	
evening set	77 Dec 19 j 12:20	6°♑17'11	
min. Earth dist.	77 Dec 24 j 09:02	3°♑23'52	0.26727 AU
inferior conj	77 Dec 25 j 06:43	2°♑50'20	4°59'15
minimum elong	77 Dec 24 j 21:17	3°♑04'55	4°56'46
morning rise	77 Dec 30 j 06:54	29°♐50'46	
	77 Dec 30 j 00:21	30°R♐	
direct	78 Jan 14 j 16:36	25°♐10'22	
greatest brilliancy	78 Jan 25 j 09:34	27°♐19'40	-4.6m
	78 Jan 31 j 03:38	0°♑	
morning max el	78 Mar 05 j 10:03	26°♑51'30	46°22'57
	78 Mar 08 j 14:08	0°♒	
desc. node	78 Mar 26 j 07:20	18°♒28'45	
	78 Apr 05 j 20:05	0°♓	
	78 May 02 j 07:37	0°♈	
	78 May 28 j 00:24	0°♉	
	78 Jun 22 j 05:20	0°♊	
asc. node	78 Jul 17 j 10:20	0°♋30'12	
	78 Jul 17 j 00:26	0°♋	
	78 Aug 10 j 10:44	0°♌	
morning set	78 Aug 30 j 05:39	24°♌34'32	
	78 Sep 03 j 13:58	0°♍	
	78 Sep 27 j 12:42	0°♎	
max. Earth dist.	78 Oct 05 j 11:53	10°♎00'27	1.71325 AU
superior conj	78 Oct 07 j 10:33	12°♎27'05	1°02'36
minimum elong	78 Oct 07 j 21:06	13°♎00'14	1°02'15
	78 Oct 21 j 09:30	0°♏	
desc. node	78 Nov 06 j 00:14	19°♏38'13	
	78 Nov 14 j 06:09	0°♐	
evening rise	78 Nov 17 j 08:28	3°♐53'27	
	78 Dec 08 j 03:48	0°♑	
	79 Jan 01 j 03:45	0°♒	
	79 Jan 25 j 08:10	0°♓	
	79 Feb 18 j 20:34	0°♈	
asc. node	79 Feb 27 j 03:11	9°♈59'45	
	79 Mar 15 j 22:09	0°♉	
	79 Apr 10 j 21:36	0°♊	
	79 May 08 j 15:51	0°♋	
evening max el	79 May 19 j 16:49	10°♋56'17	45°19'00
	79 Jun 11 j 05:56	0°♌	
desc. node	79 Jun 18 j 16:45	4°♌44'12	
greatest brilliancy	79 Jun 24 j 15:25	7°♌39'54	-4.5m
retrograde	79 Jul 07 j 04:39	10°♌26'06	
evening set	79 Jul 24 j 00:22	5°♌09'29	
inferior conj	79 Jul 28 j 13:10	2°♌25'25	-7°-41'-27
minimum elong	79 Jul 28 j 04:38	2°♌38'37	7°40'18
min. Earth dist.	79 Jul 28 j 20:37	2°♌13'53	0.28540 AU
morning rise	79 Aug 01 j 08:36	0°♌05'47	
	79 Aug 01 j 12:30	30°R♋	
direct	79 Aug 19 j 00:34	24°♋14'31	
greatest brilliancy	79 Sep 02 j 10:46	27°♋54'39	-4.6m
	79 Sep 06 j 09:45	0°♌	
morning max el	79 Oct 08 j 03:17	26°♌18'36	46°35'42
asc. node	79 Oct 09 j 19:53	28°♌01'11	
	79 Oct 11 j 18:19	0°♍	
	79 Nov 08 j 01:11	0°♎	
	79 Dec 03 j 10:38	0°♏	
	79 Dec 28 j 03:06	0°♐	
	80 Jan 21 j 13:25	0°♑	
desc. node	80 Jan 29 j 09:41	9°♑39'18	
	80 Feb 14 j 22:07	0°♒	
	80 Mar 10 j 07:02	0°♓	
	80 Apr 03 j 16:48	0°♈	
morning set	80 Apr 12 j 16:52	11°♈03'26	
	80 Apr 28 j 03:18	0°♉	
max. Earth dist.	80 May 18 j 16:02	25°♉11'56	1.73652 AU
superior conj	80 May 19 j 10:41	26°♉09'10	0°-4'-57
minimum elong	80 May 19 j 11:42	26°♉12'17	0°04'56
behind sun begin	80 May 18 j 14:11	25°♉06'16	
behind sun end	80 May 20 j 09:12	27°♉18'17	
asc. node	80 May 21 j 12:45	28°♉42'49	
	80 May 22 j 13:54	0°♊	
	80 Jun 15 j 23:46	0°♋	
evening rise	80 Jun 24 j 08:21	10°♋16'52	
	80 Jul 10 j 08:42	0°♌	
	80 Aug 03 j 17:22	0°♍	
	80 Aug 28 j 03:10	0°♎	
desc. node	80 Sep 10 j 02:32	15°♎53'50	
	80 Sep 21 j 15:40	0°♏	
	80 Oct 16 j 08:54	0°♐	
	80 Nov 10 j 11:31	0°♑	
	80 Dec 06 j 12:28	0°♒	
evening max el	80 Dec 25 j 12:36	20°♒22'59	47°01'24

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

asc. node	81 Jan 01 j 05:22	27°♒02'43	
	81 Jan 04 j 07:43	0°♓	
greatest brilliancy	81 Jan 31 j 04:35	20°♓08'03	-4.6m
retrograde	81 Feb 14 j 06:01	23°♓46'23	
evening set	81 Mar 04 j 01:41	17°♓37'48	
inferior conj	81 Mar 07 j 11:22	15°♓29'41	8°14'00
minimum elong	81 Mar 07 j 16:46	15°♓21'07	8°13'33
min. Earth dist.	81 Mar 07 j 04:13	15°♓41'02	0.28482 AU
morning rise	81 Mar 11 j 08:03	13°♓05'07	
direct	81 Mar 28 j 14:36	7°♓20'04	
greatest brilliancy	81 Apr 09 j 05:23	9°♓45'22	-4.5m
desc. node	81 Apr 22 j 19:04	17°♓20'15	
	81 May 08 j 13:20	0°♈	
morning max el	81 May 16 j 11:29	7°♈19'33	45°48'03
	81 Jun 07 j 18:36	0°♉	
	81 Jul 04 j 21:30	0°♊	
	81 Jul 30 j 16:36	0°♋	
asc. node	81 Aug 13 j 22:19	17°♋00'12	
	81 Aug 24 j 15:53	0°♌	
	81 Sep 18 j 01:30	0°♍	
	81 Oct 12 j 02:30	0°♎	
	81 Nov 04 j 23:17	0°♏	
morning set	81 Nov 11 j 14:35	8°♏21'30	
	81 Nov 28 j 18:58	0°♐	
desc. node	81 Dec 03 j 11:57	5°♐55'34	
	81 Dec 22 j 15:23	0°♑	
superior conj	81 Dec 23 j 09:37	0°♑57'17	0°-44'-57
minimum elong	81 Dec 22 j 23:01	0°♑23'58	0°44'31
max. Earth dist.	81 Dec 26 j 09:31	4°♑43'00	1.71246 AU
	82 Jan 15 j 13:35	0°♒	
evening rise	82 Feb 02 j 13:55	22°♒29'44	
	82 Feb 08 j 14:37	0°♓	
	82 Mar 04 j 19:54	0°♈	
asc. node	82 Mar 26 j 15:09	26°♈44'54	
	82 Mar 29 j 07:08	0°♉	
	82 Apr 23 j 02:06	0°♊	
	82 May 18 j 07:22	0°♋	
	82 Jun 13 j 04:18	0°♌	
	82 Jul 10 j 06:25	0°♍	
desc. node	82 Jul 16 j 04:40	6°♍15'55	
evening max el	82 Jul 31 j 00:10	21°♍11'24	46°09'11
	82 Aug 09 j 12:12	0°♎	
greatest brilliancy	82 Sep 08 j 00:13	19°♎53'00	-4.6m
retrograde	82 Sep 18 j 10:59	21°♎52'33	
evening set	82 Oct 04 j 17:40	16°♎48'26	
inferior conj	82 Oct 09 j 03:33	14°♎11'41	-6°-28'-6
minimum elong	82 Oct 09 j 14:16	13°♎55'27	6°25'47
min. Earth dist.	82 Oct 09 j 21:45	13°♎44'06	0.26900 AU
morning rise	82 Oct 14 j 10:25	11°♎04'58	
direct	82 Oct 29 j 19:21	6°♎25'54	
asc. node	82 Nov 06 j 07:34	7°♎32'01	
greatest brilliancy	82 Nov 12 j 04:26	9°♎45'30	-4.7m
	82 Dec 09 j 09:45	0°♏	
morning max el	82 Dec 19 j 15:06	10°♏01'42	46°55'50
	83 Jan 07 j 07:34	0°♐	
	83 Feb 02 j 14:26	0°♑	
desc. node	83 Feb 25 j 21:36	27°♑27'52	
	83 Feb 28 j 00:45	0°♒	
	83 Mar 25 j 02:25	0°♓	
	83 Apr 18 j 23:43	0°♈	
	83 May 13 j 18:04	0°♉	
	83 Jun 07 j 09:15	0°♊	
asc. node	83 Jun 19 j 00:35	14°♊14'33	
morning set	83 Jun 20 j 06:08	15°♊45'08	
	83 Jul 01 j 20:29	0°♋	
max. Earth dist.	83 Jul 22 j 22:39	26°♋02'15	1.72876 AU
	83 Jul 26 j 03:25	0°♌	
superior conj	83 Jul 26 j 14:01	0°♌32'52	1°13'34
minimum elong	83 Jul 26 j 06:23	0°♌09'11	1°13'23
	83 Aug 19 j 06:50	0°♍	
evening rise	83 Sep 01 j 06:59	16°♍12'33	
	83 Sep 12 j 08:20	0°♎	
	83 Oct 06 j 09:35	0°♏	
desc. node	83 Oct 08 j 14:24	2°♏44'37	
	83 Oct 30 j 11:49	0°♐	
	83 Nov 23 j 16:17	0°♑	
	83 Dec 18 j 01:45	0°♒	
	84 Jan 11 j 22:17	0°♓	
asc. node	84 Jan 29 j 17:17	20°♓50'00	
	84 Feb 06 j 18:31	0°♈	
	84 Mar 05 j 22:51	0°♉	
evening max el	84 Mar 06 j 18:46	0°♉48'53	45°48'19
greatest brilliancy	84 Apr 10 j 00:19	27°♉31'38	-4.5m
	84 Apr 16 j 06:55	0°♊	
retrograde	84 Apr 24 j 18:25	1°♊19'21	
	84 May 02 j 21:45	30°℞♉	
evening set	84 May 09 j 22:48	26°♉50'55	
inferior conj	84 May 16 j 04:47	23°♉04'59	0°57'15
minimum elong	84 May 16 j 06:52	23°♉01'43	0°56'39
min. Earth dist.	84 May 16 j 08:57	22°♉58'27	0.28995 AU
desc. node	84 May 20 j 06:50	20°♉33'53	
morning rise	84 May 22 j 15:03	19°♉13'26	
direct	84 Jun 06 j 21:26	14°♉45'59	
greatest brilliancy	84 Jun 20 j 13:30	18°♉02'07	-4.5m
	84 Jul 09 j 04:51	0°♊	
morning max el	84 Jul 25 j 20:25	14°♊45'49	45°54'10
	84 Aug 09 j 22:39	0°♋	
	84 Sep 06 j 01:19	0°♌	
asc. node	84 Sep 10 j 10:09	5°♌03'12	
	84 Oct 01 j 11:15	0°♍	
	84 Oct 26 j 00:37	0°♎	
	84 Nov 19 j 03:58	0°♏	
	84 Dec 13 j 03:33	0°♐	
desc. node	84 Dec 30 j 23:53	22°♐20'38	
	85 Jan 06 j 02:45	0°♑	
morning set	85 Jan 27 j 22:59	27°♑17'14	
	85 Jan 30 j 03:11	0°♒	
	85 Feb 23 j 05:41	0°♓	
superior conj	85 Mar 08 j 19:36	16°♓50'25	-1°-21'-14
minimum elong	85 Mar 09 j 01:41	17°♓09'15	1°21'10
max. Earth dist.	85 Mar 12 j 07:29	21°♓10'05	1.72732 AU
	85 Mar 19 j 10:51	0°♈	
	85 Apr 12 j 19:04	0°♉	
evening rise	85 Apr 15 j 23:56	3°♉56'12	
asc. node	85 Apr 23 j 02:56	12°♉41'01	
	85 May 07 j 06:18	0°♊	
	85 May 31 j 20:32	0°♋	
	85 Jun 25 j 14:26	0°♌	
	85 Jul 20 j 13:57	0°♍	
desc. node	85 Aug 12 j 16:34	27°♍21'17	
	85 Aug 14 j 22:45	0°♎	
	85 Sep 10 j 00:03	0°♏	
	85 Oct 07 j 13:55	0°♐	
evening max el	85 Oct 12 j 11:29	4°♐59'50	47°17'24
	85 Nov 10 j 06:07	0°♑	
greatest brilliancy	85 Nov 20 j 01:18	5°♑28'31	-4.7m
retrograde	85 Dec 02 j 05:11	8°♑14'40	
asc. node	85 Dec 03 j 19:31	8°♑11'32	
evening set	85 Dec 16 j 23:10	3°♑52'57	
min. Earth dist.	85 Dec 21 j 23:05	0°♑55'13	0.26673 AU
inferior conj	85 Dec 22 j 19:40	0°♑23'23	4°39'39

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

minimum elong	85 Dec 22 j 10:36	0°♉37'24	4°37'10
	85 Dec 23 j 10:48	30°℞♐	
morning rise	85 Dec 27 j 22:39	27°♐19'47	
direct	86 Jan 12 j 04:56	22°♐44'20	
greatest brilliancy	86 Jan 22 j 23:31	24°♐54'50	-4.6m
	86 Feb 01 j 19:41	0°♉	
morning max el	86 Mar 02 j 22:11	24°♉26'14	46°24'22
	86 Mar 08 j 11:48	0°♒	
desc. node	86 Mar 25 j 09:24	17°♒47'06	
	86 Apr 05 j 11:58	0°♓	
	86 May 01 j 21:13	0°♈	
	86 May 27 j 12:48	0°♉	
	86 Jun 21 j 17:03	0°♊	
	86 Jul 16 j 11:44	0°♋	
asc. node	86 Jul 16 j 12:32	0°♋02'24	
	86 Aug 09 j 21:50	0°♌	
morning set	86 Aug 27 j 21:05	22°♌18'35	
	86 Sep 03 j 01:01	0°♍	
	86 Sep 26 j 23:47	0°♎	
max. Earth dist.	86 Oct 02 j 20:23	7°♎21'32	1.71367 AU
superior conj	86 Oct 04 j 23:23	10°♎01'43	1°05'02
minimum elong	86 Oct 05 j 09:46	10°♎34'21	1°04'42
	86 Oct 20 j 20:40	0°♏	
desc. node	86 Nov 05 j 02:14	19°♏09'17	
	86 Nov 13 j 17:23	0°♐	
evening rise	86 Nov 14 j 18:26	1°♐18'39	
	86 Dec 07 j 15:08	0°♑	
	86 Dec 31 j 15:11	0°♒	
	87 Jan 24 j 19:49	0°♓	
	87 Feb 18 j 08:38	0°♈	
asc. node	87 Feb 26 j 05:14	9°♈28'58	
	87 Mar 15 j 11:03	0°♉	
	87 Apr 10 j 12:19	0°♊	
	87 May 08 j 11:13	0°♋	
evening max el	87 May 17 j 07:01	8°♋41'14	45°18'33
	87 Jun 12 j 03:41	0°♌	
desc. node	87 Jun 17 j 18:56	3°♌19'13	
greatest brilliancy	87 Jun 22 j 03:01	5°♌23'17	-4.5m
retrograde	87 Jul 04 j 19:37	8°♌13'22	
evening set	87 Jul 21 j 12:01	3°♌00'58	
inferior conj	87 Jul 26 j 04:25	0°♌11'57	-7°-31'-5
minimum elong	87 Jul 25 j 19:28	0°♌25'46	7°29'46
min. Earth dist.	87 Jul 26 j 11:28	0°♌01'02	0.28578 AU
	87 Jul 26 j 12:09	30°℞♋	
morning rise	87 Jul 30 j 02:35	27°♋48'22	
direct	87 Aug 16 j 15:46	22°♋00'16	
greatest brilliancy	87 Aug 31 j 03:57	25°♋42'13	-4.6m
	87 Sep 07 j 17:06	0°♌	
morning max el	87 Oct 05 j 17:44	23°♌58'44	46°34'21
asc. node	87 Oct 08 j 21:55	27°♌11'54	
	87 Oct 11 j 14:54	0°♍	
	87 Nov 07 j 16:47	0°♎	
	87 Dec 03 j 00:19	0°♏	
	87 Dec 27 j 15:46	0°♐	
	88 Jan 21 j 01:26	0°♑	
desc. node	88 Jan 28 j 11:46	9°♑09'11	
	88 Feb 14 j 09:41	0°♒	
	88 Mar 09 j 18:15	0°♓	
	88 Apr 03 j 03:45	0°♈	
morning set	88 Apr 10 j 09:55	8°♈54'56	
	88 Apr 27 j 14:06	0°♉	
max. Earth dist.	88 May 16 j 13:08	23°♉16'22	1.73655 AU
superior conj	88 May 17 j 05:02	24°♉05'10	0°-8'-4
minimum elong	88 May 17 j 06:41	24°♉10'14	0°08'01
behind sun begin	88 May 16 j 11:04	23°♉10'03	
behind sun end	88 May 18 j 02:17	25°♉10'25	
asc. node	88 May 20 j 14:52	28°♉16'20	
	88 May 22 j 00:39	0°♊	
	88 Jun 15 j 10:36	0°♋	
evening rise	88 Jun 22 j 03:34	8°♋14'56	
	88 Jul 09 j 19:42	0°♌	
	88 Aug 03 j 04:40	0°♍	
	88 Aug 27 j 14:52	0°♎	
desc. node	88 Sep 09 j 04:30	15°♎23'12	
	88 Sep 21 j 03:56	0°♏	
	88 Oct 15 j 22:01	0°♐	
	88 Nov 10 j 02:04	0°♑	
	88 Dec 06 j 05:55	0°♒	
evening max el	88 Dec 23 j 03:25	18°♒02'53	47°03'38
asc. node	88 Dec 31 j 07:33	26°♒07'54	
	89 Jan 04 j 10:46	0°♓	
greatest brilliancy	89 Jan 28 j 20:39	17°♓52'25	-4.6m
retrograde	89 Feb 11 j 22:27	21°♓31'26	
evening set	89 Mar 01 j 18:57	15°♓20'14	
inferior conj	89 Mar 05 j 03:01	13°♓14'48	8°19'59
minimum elong	89 Mar 05 j 07:46	13°♓07'17	8°19'39
min. Earth dist.	89 Mar 04 j 18:40	13°♓28'02	0.28438 AU
morning rise	89 Mar 08 j 20:47	10°♓54'57	
direct	89 Mar 26 j 05:31	5°♓05'52	
greatest brilliancy	89 Apr 06 j 18:59	7°♓30'23	-4.5m
desc. node	89 Apr 21 j 21:01	16°♓08'37	
	89 May 08 j 15:11	0°♈	
morning max el	89 May 14 j 03:38	5°♈09'34	45°48'43
	89 Jun 07 j 11:07	0°♉	
	89 Jul 04 j 11:07	0°♊	
	89 Jul 30 j 04:57	0°♋	
asc. node	89 Aug 13 j 00:20	16°♋30'24	
	89 Aug 24 j 03:35	0°♌	
	89 Sep 17 j 12:51	0°♍	
	89 Oct 11 j 13:41	0°♎	
	89 Nov 04 j 10:21	0°♏	
morning set	89 Nov 09 j 01:34	5°♏50'04	
	89 Nov 28 j 06:00	0°♐	
desc. node	89 Dec 02 j 14:07	5°♐27'38	
superior conj	89 Dec 20 j 18:53	28°♐20'56	0°-41'-28
minimum elong	89 Dec 20 j 08:49	27°♐49'19	0°41'02
	89 Dec 22 j 02:25	0°♑	
max. Earth dist.	89 Dec 23 j 17:41	2°♑03'21	1.71217 AU
	90 Jan 15 j 00:36	0°♒	
evening rise	90 Jan 31 j 01:18	20°♒01'26	
	90 Feb 08 j 01:38	0°♓	
	90 Mar 04 j 06:59	0°♈	
asc. node	90 Mar 25 j 17:09	26°♈16'43	
	90 Mar 28 j 18:24	0°♉	
	90 Apr 22 j 13:47	0°♊	
	90 May 17 j 19:53	0°♋	
	90 Jun 12 j 18:26	0°♌	
	90 Jul 10 j 00:07	0°♍	
desc. node	90 Jul 15 j 06:44	5°♍31'55	
evening max el	90 Jul 28 j 14:25	18°♍53'27	46°06'26
	90 Aug 09 j 18:07	0°♎	
greatest brilliancy	90 Sep 05 j 11:47	17°♎27'32	-4.6m
retrograde	90 Sep 15 j 23:27	19°♎27'05	
evening set	90 Oct 02 j 09:25	14°♎18'19	
inferior conj	90 Oct 06 j 16:03	11°♎45'48	-6°-43'-51
minimum elong	90 Oct 07 j 02:41	11°♎29'39	6°41'39
min. Earth dist.	90 Oct 07 j 10:27	11°♎17'52	0.26958 AU
morning rise	90 Oct 11 j 19:36	8°♎43'32	
direct	90 Oct 27 j 09:10	3°♎59'23	
asc. node	90 Nov 05 j 09:42	5°♎33'41	
greatest brilliancy	90 Nov 09 j 18:17	7°♎19'14	-4.7m

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

	90 Dec 09 j 12:50	0°♏	
morning max el	90 Dec 17 j 05:02	7°♏37'02	46°56'02
	91 Jan 07 j 01:10	0°♐	
	91 Feb 02 j 04:55	0°♑	
desc. node	91 Feb 24 j 23:37	26°♑55'01	
	91 Feb 27 j 13:42	0°♒	
	91 Mar 24 j 14:26	0°♓	
	91 Apr 18 j 11:08	0°♈	
	91 May 13 j 05:04	0°♉	
	91 Jun 06 j 20:01	0°♊	
morning set	91 Jun 18 j 00:38	13°♊42'00	
asc. node	91 Jun 18 j 02:47	13°♊48'35	
	91 Jul 01 j 07:07	0°♋	
max. Earth dist.	91 Jul 20 j 16:24	23°♋55'46	1.72925 AU
superior conj	91 Jul 24 j 08:05	28°♋27'08	1°11'57
minimum elong	91 Jul 24 j 00:09	28°♋02'35	1°11'45
	91 Jul 25 j 14:04	0°♌	
	91 Aug 18 j 17:35	0°♍	
evening rise	91 Aug 29 j 22:34	13°♍57'38	
	91 Sep 11 j 19:17	0°♎	
	91 Oct 05 j 20:48	0°♏	
desc. node	91 Oct 07 j 16:26	2°♏15'56	
	91 Oct 29 j 23:20	0°♐	
	91 Nov 23 j 04:09	0°♑	
	91 Dec 17 j 14:08	0°♒	
	92 Jan 11 j 11:39	0°♓	
asc. node	92 Jan 28 j 19:17	20°♓13'46	
	92 Feb 06 j 10:00	0°♈	
evening max el	92 Mar 04 j 10:26	28°♈36'40	45°50'29
	92 Mar 05 j 20:37	0°♉	
greatest brilliancy	92 Apr 07 j 18:07	25°♉25'09	-4.5m
retrograde	92 Apr 22 j 10:42	29°♉11'29	
evening set	92 May 07 j 16:42	24°♉41'31	
inferior conj	92 May 13 j 21:22	20°♉57'04	1°16'44
minimum elong	92 May 14 j 00:09	20°♉52'42	1°15'56
min. Earth dist.	92 May 14 j 01:45	20°♉50'10	0.28992 AU
desc. node	92 May 19 j 09:03	17°♉36'38	
morning rise	92 May 20 j 07:42	17°♉04'59	
direct	92 Jun 04 j 13:54	12°♉38'15	
greatest brilliancy	92 Jun 18 j 03:31	15°♉51'19	-4.5m
	92 Jul 09 j 12:17	0°♊	
morning max el	92 Jul 23 j 11:21	12°♊33'40	45°53'13
	92 Aug 09 j 16:03	0°♋	
	92 Sep 05 j 15:18	0°♌	
asc. node	92 Sep 09 j 12:13	4°♌29'23	
	92 Sep 30 j 23:50	0°♍	
	92 Oct 25 j 12:33	0°♎	
	92 Nov 18 j 15:32	0°♏	
	92 Dec 12 j 14:53	0°♐	
desc. node	92 Dec 30 j 01:59	21°♐52'16	
	93 Jan 05 j 13:53	0°♑	
morning set	93 Jan 25 j 09:46	24°♑46'57	
	93 Jan 29 j 14:08	0°♒	
	93 Feb 22 j 16:29	0°♓	
superior conj	93 Mar 06 j 09:46	14°♓32'21	-1°-22'-16
minimum elong	93 Mar 06 j 15:09	14°♓49'02	1°22'13
max. Earth dist.	93 Mar 10 j 01:40	19°♓04'31	1.72675 AU
	93 Mar 18 j 21:35	0°♈	
	93 Apr 12 j 05:47	0°♉	
evening rise	93 Apr 13 j 16:32	1°♉46'46	
asc. node	93 Apr 22 j 05:05	12°♉14'38	
	93 May 06 j 17:08	0°♊	
	93 May 31 j 07:37	0°♋	
	93 Jun 25 j 01:58	0°♌	
	93 Jul 20 j 02:15	0°♍	
desc. node	93 Aug 11 j 18:35	26°♍47'48	
	93 Aug 14 j 12:21	0°♎	
	93 Sep 09 j 16:03	0°♏	
	93 Oct 07 j 11:40	0°♐	
evening max el	93 Oct 10 j 00:17	2°♐33'22	47°15'50
	93 Nov 11 j 17:22	0°♑	
greatest brilliancy	93 Nov 17 j 17:11	3°♑03'22	-4.7m
retrograde	93 Nov 29 j 17:31	5°♑46'06	
asc. node	93 Dec 02 j 21:42	5°♑33'38	
evening set	93 Dec 14 j 09:51	1°♑27'53	
	93 Dec 16 j 23:11	30°℞♐	
min. Earth dist.	93 Dec 19 j 13:08	28°♐25'44	0.26626 AU
inferior conj	93 Dec 20 j 08:20	27°♐56'05	4°19'05
minimum elong	93 Dec 19 j 23:43	28°♐09'24	4°16'40
morning rise	93 Dec 25 j 14:06	24°♐48'37	
direct	94 Jan 09 j 16:38	20°♐17'34	
greatest brilliancy	94 Jan 20 j 14:15	22°♐30'35	-4.6m
	94 Feb 02 j 23:39	0°♑	
morning max el	94 Feb 28 j 10:27	22°♑01'27	46°26'00
	94 Mar 08 j 08:33	0°♒	
desc. node	94 Mar 24 j 11:27	17°♒06'32	
	94 Apr 05 j 03:21	0°♓	
	94 May 01 j 10:24	0°♈	
	94 May 27 j 00:51	0°♉	
	94 Jun 21 j 04:25	0°♊	
asc. node	94 Jul 15 j 14:30	29°♊34'53	
	94 Jul 15 j 22:44	0°♋	
	94 Aug 09 j 08:38	0°♌	
morning set	94 Aug 25 j 13:00	20°♌05'06	
	94 Sep 02 j 11:46	0°♍	
	94 Sep 26 j 10:35	0°♎	
max. Earth dist.	94 Sep 30 j 08:25	4°♎54'38	1.71409 AU
superior conj	94 Oct 02 j 12:43	7°♎38'56	1°07'18
minimum elong	94 Oct 02 j 22:52	8°♎10'48	1°07'00
	94 Oct 20 j 07:31	0°♏	
desc. node	94 Nov 04 j 04:26	18°♏41'47	
evening rise	94 Nov 12 j 04:46	28°♏45'53	
	94 Nov 13 j 04:22	0°♐	
	94 Dec 07 j 02:15	0°♑	
	94 Dec 31 j 02:29	0°♒	
	95 Jan 24 j 07:21	0°♓	
	95 Feb 17 j 20:36	0°♈	
asc. node	95 Feb 25 j 07:15	8°♈58'29	
	95 Mar 14 j 23:53	0°♉	
	95 Apr 10 j 03:01	0°♊	
	95 May 08 j 06:54	0°♋	
evening max el	95 May 14 j 22:01	6°♋28'58	45°18'22
	95 Jun 13 j 09:04	0°♌	
desc. node	95 Jun 16 j 21:00	1°♌52'12	
greatest brilliancy	95 Jun 19 j 14:07	3°♌07'10	-4.5m
retrograde	95 Jul 02 j 11:09	6°♌01'52	
evening set	95 Jul 18 j 23:54	0°♌53'29	
	95 Jul 20 j 12:41	30°℞♋	
inferior conj	95 Jul 23 j 19:48	27°♋59'35	-7°-20'-6
minimum elong	95 Jul 23 j 10:31	28°♋13'54	7°18'39
min. Earth dist.	95 Jul 24 j 02:11	27°♋49'43	0.28612 AU
morning rise	95 Jul 27 j 20:49	25°♋31'59	
direct	95 Aug 14 j 07:33	19°♋47'12	
greatest brilliancy	95 Aug 28 j 21:03	23°♋30'50	-4.6m
	95 Sep 08 j 15:13	0°♌	
morning max el	95 Oct 03 j 09:23	21°♌42'55	46°33'05
asc. node	95 Oct 08 j 00:00	26°♌24'25	
	95 Oct 11 j 10:33	0°♍	
	95 Nov 07 j 07:53	0°♎	
	95 Dec 02 j 13:37	0°♏	
	95 Dec 27 j 04:08	0°♐	

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

	96 Jan 20 j 13:15	0°♉	
desc. node	96 Jan 27 j 13:44	8°♉39'13	
	96 Feb 13 j 21:07	0°♒	
	96 Mar 09 j 05:24	0°♓	
	96 Apr 02 j 14:39	0°♈	
morning set	96 Apr 08 j 02:37	6°♈45'27	
	96 Apr 27 j 00:49	0°♉	
superior conj	96 May 14 j 23:05	22°♉00'29	0°-11'-13
minimum elong	96 May 15 j 01:22	22°♉07'32	0°11'06
behind sun begin	96 May 14 j 09:08	21°♉17'40	
behind sun end	96 May 15 j 17:37	22°♉57'23	
max. Earth dist.	96 May 14 j 11:34	21°♉25'08	1.73650 AU
asc. node	96 May 19 j 16:59	27°♉50'08	
	96 May 21 j 11:18	0°♊	
	96 Jun 14 j 21:18	0°♋	
evening rise	96 Jun 19 j 22:43	6°♋13'13	
	96 Jul 09 j 06:36	0°♌	
	96 Aug 02 j 15:52	0°♍	
	96 Aug 27 j 02:30	0°♎	
desc. node	96 Sep 08 j 06:35	14°♎53'07	
	96 Sep 20 j 16:09	0°♏	
	96 Oct 15 j 11:07	0°♐	
	96 Nov 09 j 16:37	0°♑	
	96 Dec 05 j 23:35	0°♒	
evening max el	96 Dec 20 j 19:08	15°♒45'28	47°05'40
asc. node	96 Dec 30 j 09:30	25°♒11'47	
	97 Jan 04 j 15:23	0°♓	
greatest brilliancy	97 Jan 26 j 12:50	15°♓37'02	-4.6m
retrograde	97 Feb 09 j 14:59	19°♓16'06	
evening set	97 Feb 27 j 11:53	13°♓02'46	
inferior conj	97 Mar 02 j 18:33	10°♓59'32	8°25'11
minimum elong	97 Mar 02 j 22:38	10°♓53'04	8°24'56
min. Earth dist.	97 Mar 02 j 08:46	11°♓15'00	0.28395 AU
morning rise	97 Mar 06 j 09:36	8°♓44'02	
direct	97 Mar 23 j 20:50	2°♓51'23	
greatest brilliancy	97 Apr 04 j 07:43	5°♓14'04	-4.5m
desc. node	97 Apr 20 j 23:13	14°♓59'11	
	97 May 08 j 15:49	0°♈	
morning max el	97 May 11 j 19:58	2°♈59'49	45°49'22
	97 Jun 07 j 03:25	0°♉	
	97 Jul 04 j 00:40	0°♊	
	97 Jul 29 j 17:14	0°♋	
asc. node	97 Aug 12 j 02:22	16°♋00'46	
	97 Aug 23 j 15:13	0°♌	
	97 Sep 17 j 00:10	0°♍	
	97 Oct 11 j 00:51	0°♎	
	97 Nov 03 j 21:27	0°♏	
morning set	97 Nov 06 j 12:52	3°♏19'35	
	97 Nov 27 j 17:05	0°♐	
desc. node	97 Dec 01 j 16:11	4°♐59'23	
superior conj	97 Dec 18 j 04:26	25°♐45'25	0°-37'-54
minimum elong	97 Dec 17 j 19:00	25°♐15'48	0°37'31
max. Earth dist.	97 Dec 21 j 03:20	29°♐28'11	1.71184 AU
	97 Dec 21 j 13:27	0°♑	
	98 Jan 14 j 11:36	0°♒	
evening rise	98 Jan 28 j 12:53	17°♒33'37	
	98 Feb 07 j 12:38	0°♓	
	98 Mar 03 j 18:05	0°♈	
asc. node	98 Mar 24 j 19:18	25°♈48'45	
	98 Mar 28 j 05:45	0°♉	
	98 Apr 22 j 01:37	0°♊	
	98 May 17 j 08:35	0°♋	
	98 Jun 12 j 08:50	0°♌	
	98 Jul 09 j 18:21	0°♍	
desc. node	98 Jul 14 j 08:44	4°♍46'56	
evening max el	98 Jul 26 j 04:25	16°♍34'49	46°03'48
	98 Aug 10 j 02:26	0°♎	
greatest brilliancy	98 Sep 03 j 00:19	15°♎03'26	-4.6m
retrograde	98 Sep 13 j 11:30	17°♎02'04	
evening set	98 Sep 30 j 01:22	11°♎48'45	
inferior conj	98 Oct 04 j 04:47	9°♎20'28	-6°-58'-41
minimum elong	98 Oct 04 j 15:16	9°♎04'31	6°56'38
min. Earth dist.	98 Oct 04 j 23:36	8°♎51'50	0.27017 AU
morning rise	98 Oct 09 j 04:49	6°♎22'40	
direct	98 Oct 24 j 22:47	1°♎33'16	
asc. node	98 Nov 04 j 11:51	3°♎40'04	
greatest brilliancy	98 Nov 07 j 08:25	4°♎53'17	-4.7m
	98 Dec 09 j 14:35	0°♏	
morning max el	98 Dec 14 j 18:17	5°♏10'07	46°56'11
	99 Jan 06 j 18:32	0°♐	
	99 Feb 01 j 19:23	0°♑	
desc. node	99 Feb 24 j 01:42	26°♑22'15	
	99 Feb 27 j 02:40	0°♒	
	99 Mar 24 j 02:30	0°♓	
	99 Apr 17 j 22:39	0°♈	
	99 May 12 j 16:15	0°♉	
	99 Jun 06 j 06:58	0°♊	
morning set	99 Jun 15 j 19:02	11°♊37'56	
asc. node	99 Jun 17 j 04:45	13°♊21'14	
	99 Jun 30 j 17:59	0°♋	
max. Earth dist.	99 Jul 18 j 09:22	21°♋46'16	1.72973 AU
superior conj	99 Jul 22 j 02:05	26°♋20'42	1°10'14
minimum elong	99 Jul 21 j 17:54	25°♋55'23	1°10'00
	99 Jul 25 j 00:55	0°♌	
	99 Aug 18 j 04:32	0°♍	
evening rise	99 Aug 27 j 14:13	11°♍42'29	
	99 Sep 11 j 06:27	0°♎	
	99 Oct 05 j 08:14	0°♏	
desc. node	99 Oct 06 j 18:35	1°♏46'56	
	99 Oct 29 j 11:05	0°♐	
	99 Nov 22 j 16:17	0°♑	
	99 Dec 17 j 02:51	0°♒	
	100 Jan 11 j 01:23	0°♓	
asc. node	100 Jan 27 j 21:23	19°♓36'50	
	100 Feb 06 j 01:58	0°♈	
evening max el	100 Mar 02 j 01:14	26°♈21'39	45°52'44
	100 Mar 05 j 19:30	0°♉	
greatest brilliancy	100 Apr 05 j 10:57	23°♉16'52	-4.5m
retrograde	100 Apr 20 j 02:55	27°♉03'22	
evening set	100 May 05 j 10:47	22°♉31'25	
inferior conj	100 May 11 j 14:05	18°♉48'50	1°36'00
minimum elong	100 May 11 j 17:32	18°♉43'24	1°35'00
min. Earth dist.	100 May 11 j 18:55	18°♉41'12	0.28990 AU
morning rise	100 May 18 j 00:17	14°♉56'25	
desc. node	100 May 18 j 11:03	14°♉41'48	
direct	100 Jun 02 j 05:58	10°♉29'58	
greatest brilliancy	100 Jun 15 j 18:30	13°♉41'03	-4.5m
	100 Jul 09 j 17:51	0°♊	
morning max el	100 Jul 21 j 02:18	10°♊20'39	45°52'17
	100 Aug 09 j 09:27	0°♋	
	100 Sep 05 j 05:28	0°♌	
asc. node	100 Sep 08 j 14:22	3°♌55'05	
	100 Sep 30 j 12:38	0°♍	
	100 Oct 25 j 00:41	0°♎	
	100 Nov 18 j 03:19	0°♏	
	100 Dec 12 j 02:26	0°♐	
desc. node	100 Dec 29 j 03:54	21°♐22'30	